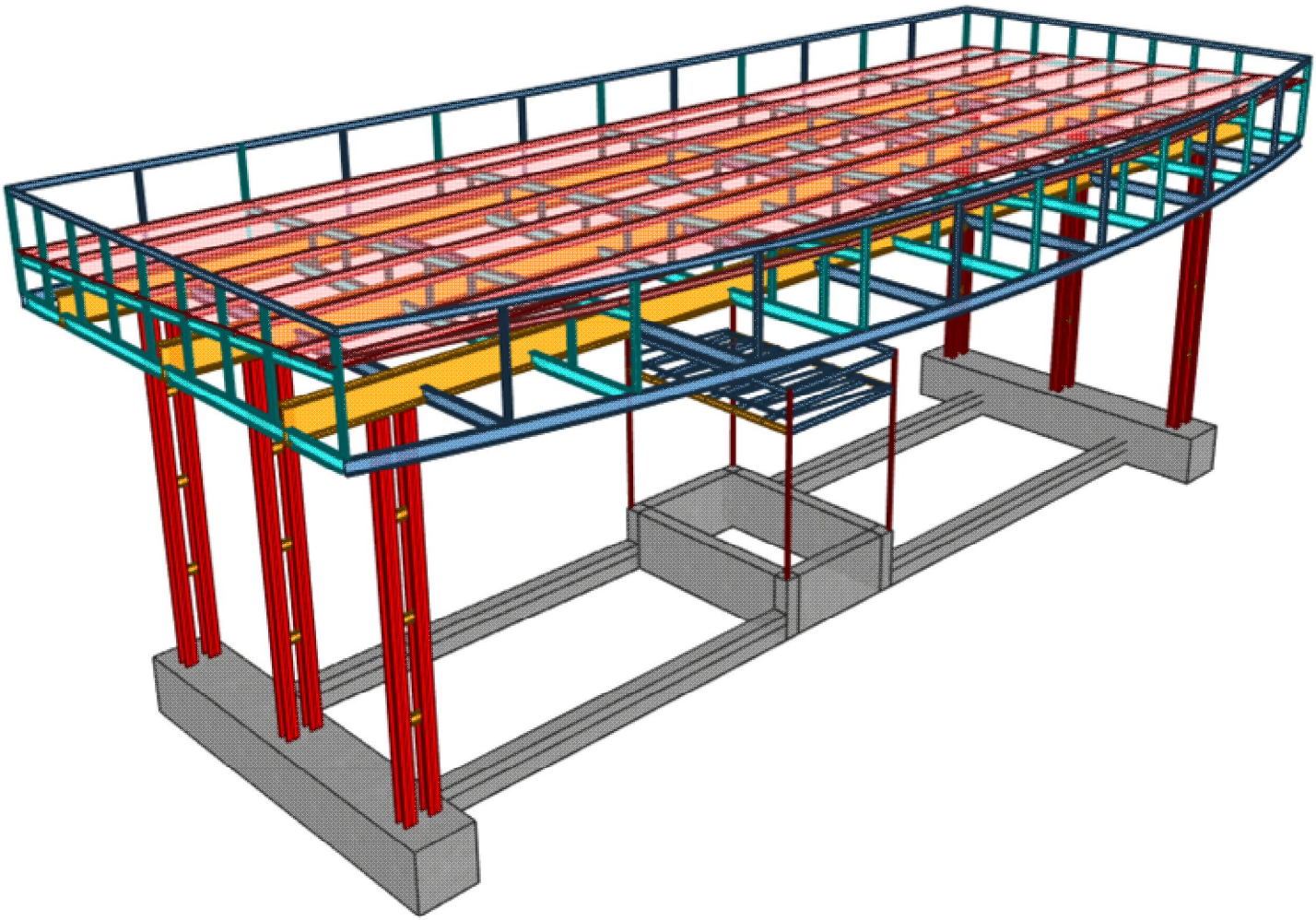
OSB GİRİŞ TAGI



İşveren	XXX
Müellif	XXX

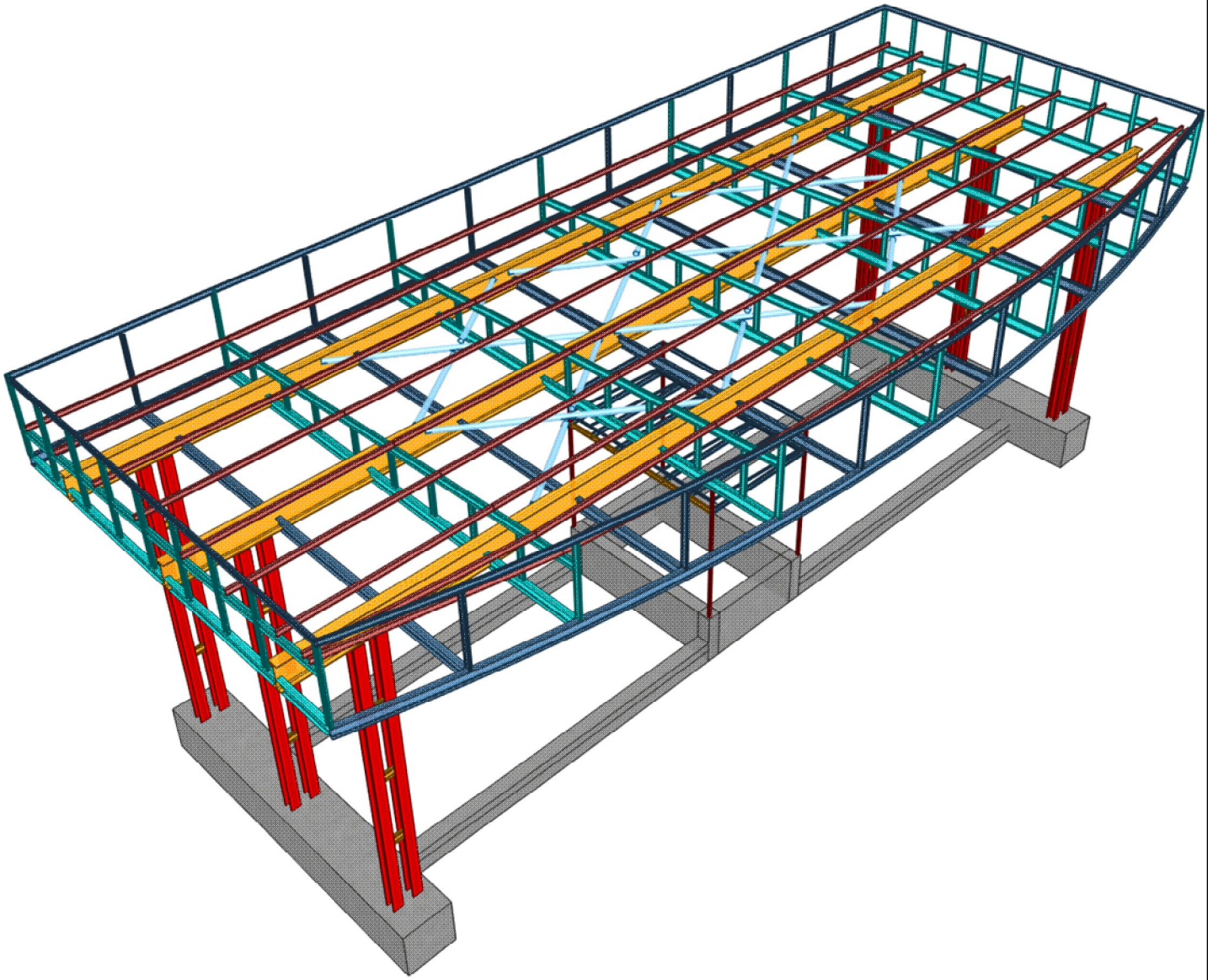
STA steel

İçindekiler

STA steel

1. Genel Bilgiler

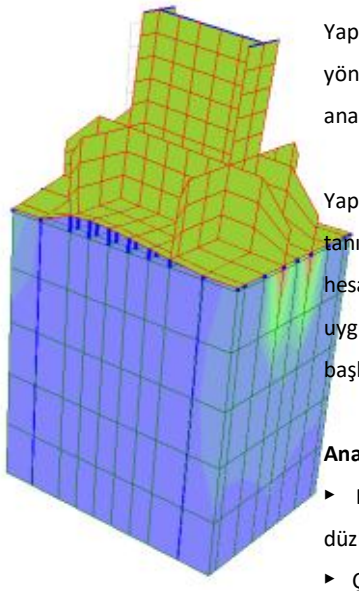
1.1. Sistem Genel Görünümü



Şekil 1: Yapı üç boyutlu görünümü: 0,58 / 0,58 / -0,58.

1.2. StaSteel 2.9.122 programı bilgileri:

StaSteel programı; çok katlı çelik karkas binalar, hol tipi endistriyel vinçli yapıların analiz ve tasarımını yapan entegre paket programdır. StaSteel, çelik yapılara özgün davranışları dikkate almaktadır. Çelik yapıların narinliklerinin yüksek olması ve elemanlardaki uc detayların yapı davranışını etkilemesi, çelik yapılar için hassas hesaplar gerektirir. Bu gibi önemli noktalar StaSteel'in çözümleri sırasında göze alınmaktadır. Bilgisayarların kapasite ve hızlarının artması, uc detayların yer yer gerçekten uzak birçok varsayıma dayanan analojik yöntemler yerine çok daha gerçekçi sonlu eleman modelleri kullanılar hesap yapılmasına olanak sağlamaktadır



Yapısal analizde plaklardan oluşan diyafram ve gerekli serbestlikler dikkate alınarak, yönetmeliklerin öngördüğü şekilde deprem ve rüzgar yükleri bulunmaktadır. Statik ve dinamik analizler diyaframlı, diyaframsız veya kısmi diyaframlı sistemlerde yapılabilmektedir.

Yapı tasarımında, taşıyıcı elemanların yanı sıra, taşıyıcı olmayan konstriktif elemanların da tanımlaması programda yapılmaktadır. İlgili standartlara göre eleman kesit analizleri ve uç detay hesapları program tarafından yapılmaktadır. Yapılan analizlerin ayrıntılı hesap çıktıları ve uygulama resimleri otomatik olarak üretilmektedir. StaSteel programı 2007 yılında geliştirilmeye başlanmış olup 7 yıllık bir süreçte ilk versiyonu hazırlanmıştır.

Analizlerde dikkate alınan konular:

- Plak veya döşeme sistemi olan kısımlarda esnek veya rijit diyaframla, elemanların yatay düzlemde birbirine bağlanması.
- Çelik yapıların moment aktaran uç detayları sonlu elemanlarla modellenerek elde edilen yay katsayıları global sisteme dahil edilmektedir.
- Basınç elemanı olarak kullanılan kontak linkleri iteratif çözüm ile dengeye kavuşarak çekme altında çalışması engellenmektedir.
- Kesit tahkikleri, çubuk boyunca birçok dilim üzerinden kontrol edilmektedir
- Burkulma analizleri, geçerli Türk yönetmeliklerine uygun olarak yapılabilmekte, ayrıca Eurocode 3 yönetmeliğine göre eşdeğer yanal yük analizi (Equivalent horizontal force) ile daha gerçekçi olarak yapılabilmektedir.
- Moment aktaran kolon pabuçlarının sonlu eleman detay modelinde beton, çelik plak/profil, ankraj ve arada kalan sadece basınca çalışan kontak elemanları iteratif olarak çözülmekte, çelik ve beton elemanlar üstünde oluşan gerilmeler sonlu eleman metotları ile bulunmaktadır.
- Çekme elemanları sadece çekme durumunda aktif hale gelmektedir, basınç durumunda yük aktarmamaktadır. Aynı durum basınç elemanları için de söz konusudur.
- Veri giriş esnasında, birleşimler ile ilgili olarak bazı kontroller hemen yapılmakta ve gerekli konstriktif uyarılar verilmektedir.

1.2.1. Dikkat edilecek konular

StaSteel programı, yazılım teknolojisi bakımından ileri problemler olan sonlu elemanlar, denklem takımı çözümleri, üç boyutlu grafikler gibi konularda oldukça gelişmiş durumdadır ve bu problemleri net şekilde çözmektedir. Programı kullanan mühendise birçok çözüm alternatifi sunmaktadır. Bu alternatifler kullanılırken mühendisin dikkat etmesi gereken konular vardır. Bazı tasarım konuları sadece matematiksel hesaptan ibaret değildir.

Kesit tasarımında kullanılan yönetmelikler, bazı kontrolleri ampirik olarak yapmaktadır. Ampirik yaklaşımlar ise her zaman matematik modele oturtulamaz. Örneğin bir kolonun burkulma boyu, onun tutulu olduğu şartlara bağlıdır. Bina tipi yapılar için burkulma boyunu veren tablolar olsa da bina tipi olmayan yapıların burkulma boyunu bilmek, mühendisçe bir gözlem ile olur. Program hesapların devam edebilmesi için burkulma boyunu otomatik olarak seçmektedir. Bununla birlikte burkulma boyları mühendis tarafından mutlaka kontrol edilmeli ve gerekirse düzeltilmelidir. Stasteel programında yapı geometrisi istenildiği gibi tanımlanabildiği için bu katsayılar sadece bilgisayar seçimine bırakılmamalıdır. Buna benzer başka katsayılar da bulunmaktadır:

Burkulma katsayısı	k
Elemana özel süneklilik katsayısı	R_{ELM}
Uç açıklık momentleri ve yanal desteklenme etkisi kastayısı	C_b, C_m
Yanal hareket karşı tutulmuş kiriş uzunluğu, yanal burkulma tahkikleri için	L_b

	TBDY2018/EN1998 vb.
	EN1993 Annex A-B
	DIN 4114/TBDY2018/EN1993

1.3. Yönetmelikler

Tasarım aşağıda verilen yönetmeliklere göre yapmıştır. Hesap ile ilgili birçok ayrıntı yapılmakla birlikte eleman boyutları veya birleşim seçimi gibi mühendislik görüşü gerektiren konular, proje müellifi tarafından kontrol edilmeli ve doğru olarak uygulanmalıdır.

Kesit tasarım yönetmeliği	**Çelik Yapıların Tasarım, Hesap Ve Yapım Esaslarına Dair Yönetmelik 2018:YDKT**
Deprem yönetmeliği	**TBDY2018**

1.4. Yüklemeler ve Kombinasyonlar

Tasarım yüklemeleri:

Tablo: Tabloda kullanılan kısaltmalar:

G1:	Ölü Yük
G2:	Ölü Yük'
Q1:	Hareketli Yük
Q2:	Hareketli Yük'
Ex1:	Deprem X
Ex2:	Deprem X+%5
Ex3:	Deprem X-%5
Ey1:	Deprem Y
Ey2:	Deprem Y+%5
Ey3:	Deprem Y-%5
Ez1:	Deprem Z static
Ez2:	Deprem Z
S1:	Kar Yükü
S2:	Kar Yükü'
Wx1:	Rüzgar Yükü X
Wx2:	Rüzgar Yükü -X
Wy1:	Rüzgar Yükü Y
Wy2:	Rüzgar Yükü -Y
T1:	Isı Yükü+
T2:	Isı Yükü-
Imp1:	Δ1
Imp2:	Δ2
Imp3:	Δ3
Imp4:	Δ4
Imp5:	Δ1
Imp6:	Δ2
Imp7:	Δ3
Imp8:	Δ4
Imp9:	Δ1
Imp10:	Δ2
Imp11:	Δ3
Imp12:	Δ4
Imp13:	Δ1

Imp14: Δ2
Imp15: Δ3
Imp16: Δ4
Imp17: Δ1
Imp18: Δ1
Imp19: Δ1
Imp20: Δ1
Imp21: Δ1
Imp22: Δ1
Imp23: Δ1
Imp24: Δ1
Imp25: Δ1
Imp26: Δ1
Imp27: Δ1
Imp28: Δ1
Imp29: Δ1
Imp30: Δ1
Imp31: Δ1
Imp32: Δ1
Imp33: Δ1
Imp34: Δ1
Imp35: Δ1
Imp36: Δ1
Imp37: Δ1
Imp38: Δ1
Imp39: Δ1
Imp40: Δ1
Imp41: Δ1
Imp42: Δ1
Imp43: Δ1
Imp44: Δ1
Imp45: Δ1
Imp46: Δ1
Imp47: Δ1
Imp48: Δ1
Imp49: Δ1
Imp50: Δ1
Imp51: Δ1
Imp52: Δ1
Imp53: Δ1
Imp54: Δ1
Imp55: Δ1
Imp56: Δ1
Imp57: Δ1
Imp58: Δ1
Imp59: Δ1
Imp60: Δ1

Aşağıda tanımlanan kombinasyonlar, yapı geneli içindir. Çeşitli katsayılar ile elemanlarda değişiklik gösterebilirler

Tablo: YDKT Gerilme Kombinasyonları:

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
1	G + Q	YDKT	1		1																	
2	G + 0.5SN	YDKT	1												0,5							
3	G + 0.5Q	YDKT	1		0,5																	
4	G + 0.5Q + Wx	YDKT	1		0,5												1					
5	G + 0.5Q + Wx	YDKT	1		0,5													1				
6	G + 0.5Q + Wy	YDKT	1		0,5														1			
7	G + 0.5Q + Wy	YDKT	1		0,5															1		
8	1.4G + 1.6Q	YDKT	1,4		1,6																	
9	G + 1.2Q + 1.2T+	YDKT	1		1,2																1,2	
10	G + 1.2Q + 1.2T-	YDKT	1		1,2																	1,2
11	G + 1.3Q + 1.3Wx	YDKT	1		1,3												1,3					
12	G + 1.3Q + 1.3Wx	YDKT	1		1,3													1,3				
13	G + 1.3Q + 1.3Wy	YDKT	1		1,3														1,3			
14	G + 1.3Q + 1.3Wy	YDKT	1		1,3															1,3		
15	0.9G + 1.3Wx	YDKT	0,9														1,3					
16	0.9G + 1.3Wx	YDKT	0,9															1,3				
17	0.9G + 1.3Wy	YDKT	0,9																1,3			
18	0.9G + 1.3Wy	YDKT	0,9																	1,3		
19	G + Q	YDKT	1		1																	
20	0.9G	YDKT	0,9																			
21	1.4G	YDKT	1,4																			
22	1.2G + 1.6SN	YDKT	1,2												1,6							
23	1.2G + 1.6Q + 0.5SN	YDKT	1,2		1,6										0,5							
24	1.2G + 1.6SN + Q	YDKT	1,2		1										1,6							
25	1.2G + 1.6SN + 0.8Wx	YDKT	1,2												1,6		0,8					
26	1.2G + 1.6SN + 0.8Wx	YDKT	1,2												1,6			0,8				
27	1.2G + 1.6SN + 0.8Wy	YDKT	1,2												1,6				0,8			
28	1.2G + 1.6SN + 0.8Wy	YDKT	1,2												1,6					0,8		
29	1.2G + Q + 0.5SN + 1.6Wx	YDKT	1,2		1										0,5		1,6					
30	1.2G + Q + 0.5SN + 1.6Wx	YDKT	1,2		1										0,5			1,6				
31	1.2G + Q + 0.5SN + 1.6Wy	YDKT	1,2		1										0,5				1,6			
32	1.2G + Q + 0.5SN + 1.6Wy	YDKT	1,2		1										0,5					1,6		
33	0.9G + 1.6Wx	YDKT	0,9														1,6					
34	0.9G + 1.6Wx	YDKT	0,9															1,6				
35	0.9G + 1.6Wy	YDKT	0,9																1,6			
36	0.9G + 1.6Wy	YDKT	0,9																	1,6		
37	1.4G + T+	YDKT	1,4																		1	
38	1.2G + 1.6SN + T+	YDKT	1,2												1,6						1	
39	1.2G + 1.6Q + 0.5SN + T+	YDKT	1,2		1,6										0,5						1	
40	1.2G + 1.6SN + Q + T+	YDKT	1,2		1										1,6						1	
41	1.2G + 1.6SN + 0.8Wx + T+	YDKT	1,2												1,6		0,8				1	
42	1.2G + 1.6SN + 0.8Wx + T+	YDKT	1,2												1,6			0,8			1	
43	1.2G + 1.6SN + 0.8Wy + T+	YDKT	1,2												1,6				0,8		1	
44	1.2G + 1.6SN + 0.8Wy + T+	YDKT	1,2												1,6					0,8	1	
45	1.2G + Q + 0.5SN + 1.6Wx + T+	YDKT	1,2		1										0,5		1,6				1	
46	1.2G + Q + 0.5SN + 1.6Wx + T+	YDKT	1,2		1										0,5			1,6			1	

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
47	1.2G + Q + 0.5SN + 1.6Wy + T+	YDKT	1,2		1										0,5				1,6		1	
48	1.2G + Q + 0.5SN + 1.6Wy + T+	YDKT	1,2		1										0,5					1,6	1	
49	0.9G + 1.6Wx + T+	YDKT	0,9														1,6				1	
50	0.9G + 1.6Wx + T+	YDKT	0,9															1,6			1	
51	0.9G + 1.6Wy + T+	YDKT	0,9																1,6		1	
52	0.9G + 1.6Wy + T+	YDKT	0,9																	1,6	1	
53	1.4G + T-	YDKT	1,4																			1
54	1.2G + 1.6SN + T-	YDKT	1,2												1,6							1
55	1.2G + 1.6Q + 0.5SN + T-	YDKT	1,2		1,6										0,5							1
56	1.2G + 1.6SN + Q + T-	YDKT	1,2		1										1,6							1
57	1.2G + 1.6SN + 0.8Wx + T-	YDKT	1,2												1,6		0,8					1
58	1.2G + 1.6SN + 0.8Wx + T-	YDKT	1,2												1,6			0,8				1
59	1.2G + 1.6SN + 0.8Wy + T-	YDKT	1,2												1,6				0,8			1
60	1.2G + 1.6SN + 0.8Wy + T-	YDKT	1,2												1,6					0,8		1
61	1.2G + Q + 0.5SN + 1.6Wx + T-	YDKT	1,2		1										0,5		1,6					1
62	1.2G + Q + 0.5SN + 1.6Wx + T-	YDKT	1,2		1										0,5			1,6				1
63	1.2G + Q + 0.5SN + 1.6Wy + T-	YDKT	1,2		1										0,5				1,6			1
64	1.2G + Q + 0.5SN + 1.6Wy + T-	YDKT	1,2		1										0,5					1,6		1
65	0.9G + 1.6Wx + T-	YDKT	0,9														1,6					1
66	0.9G + 1.6Wx + T-	YDKT	0,9															1,6				1
67	0.9G + 1.6Wy + T-	YDKT	0,9																1,6			1
68	0.9G + 1.6Wy + T-	YDKT	0,9																	1,6		1
69	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1			0,3			0,3			0,2						
70	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1			0,3				0,3		0,2						
71	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1			0,3			-0,3			0,2						
72	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1			0,3				-0,3		0,2						
73	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1				0,3		0,3			0,2						
74	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1				0,3			0,3		0,2						
75	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1				0,3		-0,3			0,2						
76	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1				0,3			-0,3		0,2						
77	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1					0,3	0,3			0,2						
78	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	1					0,3		0,3		0,2						
79	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1					0,3	-0,3			0,2						
80	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	1					0,3		-0,3		0,2						
81	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1			-0,3			0,3			0,2						
82	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1			-0,3				0,3		0,2						
83	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1			-0,3			-0,3			0,2						
84	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1			-0,3				-0,3		0,2						
85	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1				-0,3		0,3			0,2						
86	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1				-0,3			0,3		0,2						
87	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1				-0,3		-0,3			0,2						
88	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1				-0,3			-0,3		0,2						
89	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1					-0,3	0,3			0,2						
90	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	1					-0,3		0,3		0,2						
91	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1					-0,3	-0,3			0,2						
92	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	1					-0,3		-0,3		0,2						
93	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1		0,3			0,3			0,2						
94	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1		0,3				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
95	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1		0,3			-0,3			0,2						
96	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1		0,3				-0,3		0,2						
97	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1			0,3		0,3			0,2						
98	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1			0,3			0,3		0,2						
99	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1			0,3		-0,3			0,2						
100	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1			0,3			-0,3		0,2						
101	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1				0,3	0,3			0,2						
102	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		1				0,3		0,3		0,2						
103	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1				0,3	-0,3			0,2						
104	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		1				0,3		-0,3		0,2						
105	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1		-0,3			0,3			0,2						
106	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1		-0,3				0,3		0,2						
107	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1		-0,3			-0,3			0,2						
108	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1		-0,3				-0,3		0,2						
109	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1			-0,3		0,3			0,2						
110	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1			-0,3			0,3		0,2						
111	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1			-0,3		-0,3			0,2						
112	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1			-0,3			-0,3		0,2						
113	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1				-0,3	0,3			0,2						
114	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		1				-0,3		0,3		0,2						
115	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1				-0,3	-0,3			0,2						
116	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		1				-0,3		-0,3		0,2						
117	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1	0,3			0,3			0,2						
118	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1	0,3				0,3		0,2						
119	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1	0,3			-0,3			0,2						
120	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1	0,3				-0,3		0,2						
121	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1		0,3		0,3			0,2						
122	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1		0,3			0,3		0,2						
123	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1		0,3		-0,3			0,2						
124	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1		0,3			-0,3		0,2						
125	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1			0,3	0,3			0,2						
126	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			1			0,3		0,3		0,2						
127	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1			0,3	-0,3			0,2						
128	1.2G + Q + 0.2SN + Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			1			0,3		-0,3		0,2						
129	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1	-0,3			0,3			0,2						
130	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1	-0,3				0,3		0,2						
131	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1	-0,3			-0,3			0,2						
132	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1	-0,3				-0,3		0,2						
133	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1		-0,3		0,3			0,2						
134	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1		-0,3			0,3		0,2						
135	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1		-0,3		-0,3			0,2						
136	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1		-0,3			-0,3		0,2						
137	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1			-0,3	0,3			0,2						
138	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			1			-0,3		0,3		0,2						
139	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1			-0,3	-0,3			0,2						
140	1.2G + Q + 0.2SN + Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			1			-0,3		-0,3		0,2						
141	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1			0,3			0,3			0,2						
142	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1			0,3				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
143	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1			0,3			-0,3			0,2						
144	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1			0,3				-0,3		0,2						
145	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1				0,3		0,3			0,2						
146	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1				0,3			0,3		0,2						
147	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1				0,3		-0,3			0,2						
148	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1				0,3			-0,3		0,2						
149	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1					0,3	0,3			0,2						
150	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1	-1					0,3		0,3		0,2						
151	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1					0,3	-0,3			0,2						
152	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1	-1					0,3		-0,3		0,2						
153	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1			-0,3			0,3			0,2						
154	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1			-0,3				0,3		0,2						
155	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1			-0,3			-0,3			0,2						
156	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1			-0,3				-0,3		0,2						
157	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1				-0,3		0,3			0,2						
158	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1				-0,3			0,3		0,2						
159	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1				-0,3		-0,3			0,2						
160	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1				-0,3			-0,3		0,2						
161	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1					-0,3	0,3			0,2						
162	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1	-1					-0,3		0,3		0,2						
163	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1					-0,3	-0,3			0,2						
164	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1	-1					-0,3		-0,3		0,2						
165	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1		0,3			0,3			0,2						
166	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1		0,3				0,3		0,2						
167	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1		0,3			-0,3			0,2						
168	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1		0,3				-0,3		0,2						
169	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1			0,3		0,3			0,2						
170	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1			0,3			0,3		0,2						
171	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1			0,3		-0,3			0,2						
172	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1			0,3			-0,3		0,2						
173	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1				0,3	0,3			0,2						
174	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1		-1				0,3		0,3		0,2						
175	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1				0,3	-0,3			0,2						
176	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1		-1				0,3		-0,3		0,2						
177	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1		-0,3			0,3			0,2						
178	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1		-0,3				0,3		0,2						
179	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1		-0,3			-0,3			0,2						
180	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1		-0,3				-0,3		0,2						
181	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1			-0,3		0,3			0,2						
182	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1			-0,3			0,3		0,2						
183	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1			-0,3		-0,3			0,2						
184	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1			-0,3			-0,3		0,2						
185	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1				-0,3	0,3			0,2						
186	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1		-1				-0,3		0,3		0,2						
187	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1				-0,3	-0,3			0,2						
188	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1		-1				-0,3		-0,3		0,2						
189	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1	0,3			0,3			0,2						
190	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1	0,3				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
191	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1	0,3			-0,3			0,2						
192	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1	0,3				-0,3		0,2						
193	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1		0,3		0,3			0,2						
194	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1		0,3			0,3		0,2						
195	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1		0,3		-0,3			0,2						
196	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1		0,3			-0,3		0,2						
197	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1			0,3	0,3			0,2						
198	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	YDKT		1,2		1			-1			0,3		0,3		0,2						
199	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1			0,3	-0,3			0,2						
200	1.2G + Q + 0.2SN - Ex + 0.3Ey - 0.3Ez	YDKT		1,2		1			-1			0,3		-0,3		0,2						
201	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1	-0,3			0,3			0,2						
202	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1	-0,3				0,3		0,2						
203	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1	-0,3			-0,3			0,2						
204	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1	-0,3				-0,3		0,2						
205	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1		-0,3		0,3			0,2						
206	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1		-0,3			0,3		0,2						
207	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1		-0,3		-0,3			0,2						
208	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1		-0,3			-0,3		0,2						
209	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1			-0,3	0,3			0,2						
210	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	YDKT		1,2		1			-1			-0,3		0,3		0,2						
211	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1			-0,3	-0,3			0,2						
212	1.2G + Q + 0.2SN - Ex - 0.3Ey - 0.3Ez	YDKT		1,2		1			-1			-0,3		-0,3		0,2						
213	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3			1			0,3			0,2						
214	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3			1				0,3		0,2						
215	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3			1			-0,3			0,2						
216	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3			1				-0,3		0,2						
217	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3				1		0,3			0,2						
218	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3				1			0,3		0,2						
219	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3				1		-0,3			0,2						
220	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3				1			-0,3		0,2						
221	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3					1	0,3			0,2						
222	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	0,3					1		0,3		0,2						
223	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3					1	-0,3			0,2						
224	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	0,3					1		-0,3		0,2						
225	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3			-1			0,3			0,2						
226	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3			-1				0,3		0,2						
227	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3			-1			-0,3			0,2						
228	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3			-1				-0,3		0,2						
229	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3				-1		0,3			0,2						
230	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3				-1			0,3		0,2						
231	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3				-1		-0,3			0,2						
232	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3				-1			-0,3		0,2						
233	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3					-1	0,3			0,2						
234	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	0,3					-1		0,3		0,2						
235	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3					-1	-0,3			0,2						
236	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	0,3					-1		-0,3		0,2						
237	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3		1			0,3			0,2						
238	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3		1				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
239	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3		1			-0,3			0,2						
240	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3		1				-0,3		0,2						
241	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3			1		0,3			0,2						
242	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3			1			0,3		0,2						
243	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3			1		-0,3			0,2						
244	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3			1			-0,3		0,2						
245	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3				1	0,3			0,2						
246	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		0,3				1		0,3		0,2						
247	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3				1	-0,3			0,2						
248	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		0,3				1		-0,3		0,2						
249	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3		-1			0,3			0,2						
250	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3		-1				0,3		0,2						
251	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3		-1			-0,3			0,2						
252	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3		-1				-0,3		0,2						
253	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3			-1		0,3			0,2						
254	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3			-1			0,3		0,2						
255	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3			-1		-0,3			0,2						
256	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3			-1			-0,3		0,2						
257	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3				-1	0,3			0,2						
258	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		0,3				-1		0,3		0,2						
259	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3				-1	-0,3			0,2						
260	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		0,3				-1		-0,3		0,2						
261	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3	1			0,3			0,2						
262	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3	1				0,3		0,2						
263	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3	1			-0,3			0,2						
264	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3	1				-0,3		0,2						
265	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3		1		0,3			0,2						
266	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3		1			0,3		0,2						
267	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3		1		-0,3			0,2						
268	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3		1			-0,3		0,2						
269	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3			1	0,3			0,2						
270	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			0,3			1		0,3		0,2						
271	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3			1	-0,3			0,2						
272	1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			0,3			1		-0,3		0,2						
273	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3	-1			0,3			0,2						
274	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3	-1				0,3		0,2						
275	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3	-1			-0,3			0,2						
276	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3	-1				-0,3		0,2						
277	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3		-1		0,3			0,2						
278	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3		-1			0,3		0,2						
279	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3		-1		-0,3			0,2						
280	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3		-1			-0,3		0,2						
281	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3			-1	0,3			0,2						
282	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			0,3			-1		0,3		0,2						
283	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3			-1	-0,3			0,2						
284	1.2G + Q + 0.2SN + 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			0,3			-1		-0,3		0,2						
285	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3			1			0,3			0,2						
286	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3			1				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
287	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3			1			-0,3			0,2						
288	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3			1				-0,3		0,2						
289	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3				1		0,3			0,2						
290	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3				1			0,3		0,2						
291	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3				1		-0,3			0,2						
292	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3				1			-0,3		0,2						
293	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3					1	0,3			0,2						
294	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1	-0,3					1		0,3		0,2						
295	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3					1	-0,3			0,2						
296	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1	-0,3					1		-0,3		0,2						
297	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3			-1			0,3			0,2						
298	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3			-1				0,3		0,2						
299	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3			-1			-0,3			0,2						
300	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3			-1				-0,3		0,2						
301	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3				-1		0,3			0,2						
302	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3				-1			0,3		0,2						
303	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3				-1		-0,3			0,2						
304	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3				-1			-0,3		0,2						
305	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3					-1	0,3			0,2						
306	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1	-0,3					-1		0,3		0,2						
307	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3					-1	-0,3			0,2						
308	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1	-0,3					-1		-0,3		0,2						
309	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3		1			0,3			0,2						
310	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3		1				0,3		0,2						
311	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3		1			-0,3			0,2						
312	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3		1				-0,3		0,2						
313	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3			1		0,3			0,2						
314	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3			1			0,3		0,2						
315	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3			1		-0,3			0,2						
316	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3			1			-0,3		0,2						
317	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3				1	0,3			0,2						
318	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1		-0,3				1		0,3		0,2						
319	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3				1	-0,3			0,2						
320	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1		-0,3				1		-0,3		0,2						
321	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3		-1			0,3			0,2						
322	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3		-1				0,3		0,2						
323	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3		-1			-0,3			0,2						
324	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3		-1				-0,3		0,2						
325	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3			-1		0,3			0,2						
326	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3			-1			0,3		0,2						
327	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3			-1		-0,3			0,2						
328	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3			-1			-0,3		0,2						
329	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3				-1	0,3			0,2						
330	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1		-0,3				-1		0,3		0,2						
331	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3				-1	-0,3			0,2						
332	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1		-0,3				-1		-0,3		0,2						
333	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3	1			0,3			0,2						
334	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3	1				0,3		0,2						

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
335	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3	1			-0,3			0,2						
336	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3	1				-0,3		0,2						
337	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3		1		0,3			0,2						
338	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3		1			0,3		0,2						
339	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3		1		-0,3			0,2						
340	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3		1			-0,3		0,2						
341	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3			1	0,3			0,2						
342	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	YDKT		1,2		1			-0,3			1		0,3		0,2						
343	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3			1	-0,3			0,2						
344	1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	YDKT		1,2		1			-0,3			1		-0,3		0,2						
345	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3	-1			0,3			0,2						
346	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3	-1				0,3		0,2						
347	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3	-1			-0,3			0,2						
348	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3	-1				-0,3		0,2						
349	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3		-1		0,3			0,2						
350	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3		-1			0,3		0,2						
351	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3		-1		-0,3			0,2						
352	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3		-1			-0,3		0,2						
353	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3			-1	0,3			0,2						
354	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	YDKT		1,2		1			-0,3			-1		0,3		0,2						
355	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3			-1	-0,3			0,2						
356	1.2G + Q + 0.2SN - 0.3Ex - Ey - 0.3Ez	YDKT		1,2		1			-0,3			-1		-0,3		0,2						
357	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1			0,3			0,3									
358	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1			0,3				0,3								
359	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1			0,3			-0,3									
360	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1			0,3				-0,3								
361	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1				0,3		0,3									
362	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1				0,3			0,3								
363	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1				0,3		-0,3									
364	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1				0,3			-0,3								
365	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1					0,3	0,3									
366	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9			1					0,3		0,3								
367	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1					0,3	-0,3									
368	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9			1					0,3		-0,3								
369	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1			-0,3			0,3									
370	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1			-0,3				0,3								
371	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1			-0,3			-0,3									
372	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1			-0,3				-0,3								
373	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1				-0,3		0,3									
374	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1				-0,3			0,3								
375	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1				-0,3		-0,3									
376	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1				-0,3			-0,3								
377	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1					-0,3	0,3									
378	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9			1					-0,3		0,3								
379	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1					-0,3	-0,3									
380	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9			1					-0,3		-0,3								
381	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1		0,3			0,3									
382	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1		0,3				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
383	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1		0,3			-0,3									
384	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1		0,3				-0,3								
385	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1			0,3		0,3									
386	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1			0,3			0,3								
387	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1			0,3		-0,3									
388	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1			0,3			-0,3								
389	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1				0,3	0,3									
390	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9				1				0,3		0,3								
391	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1				0,3	-0,3									
392	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9				1				0,3		-0,3								
393	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1		-0,3			0,3									
394	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1		-0,3				0,3								
395	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1		-0,3			-0,3									
396	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1		-0,3				-0,3								
397	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1			-0,3		0,3									
398	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1			-0,3			0,3								
399	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1			-0,3		-0,3									
400	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1			-0,3			-0,3								
401	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1				-0,3	0,3									
402	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9				1				-0,3		0,3								
403	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1				-0,3	-0,3									
404	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9				1				-0,3		-0,3								
405	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1	0,3			0,3									
406	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1	0,3				0,3								
407	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1	0,3			-0,3									
408	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1	0,3				-0,3								
409	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1		0,3		0,3									
410	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1		0,3			0,3								
411	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1		0,3		-0,3									
412	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1		0,3			-0,3								
413	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1			0,3	0,3									
414	0.9G + Ex + 0.3Ey + 0.3Ez	YDKT		0,9					1			0,3		0,3								
415	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1			0,3	-0,3									
416	0.9G + Ex + 0.3Ey - 0.3Ez	YDKT		0,9					1			0,3		-0,3								
417	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1	-0,3			0,3									
418	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1	-0,3				0,3								
419	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1	-0,3			-0,3									
420	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1	-0,3				-0,3								
421	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1		-0,3		0,3									
422	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1		-0,3			0,3								
423	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1		-0,3		-0,3									
424	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1		-0,3			-0,3								
425	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1			-0,3	0,3									
426	0.9G + Ex - 0.3Ey + 0.3Ez	YDKT		0,9					1			-0,3		0,3								
427	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1			-0,3	-0,3									
428	0.9G + Ex - 0.3Ey - 0.3Ez	YDKT		0,9					1			-0,3		-0,3								
429	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1			0,3			0,3									
430	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1			0,3				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
431	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1			0,3			-0,3									
432	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1			0,3				-0,3								
433	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1				0,3		0,3									
434	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1				0,3			0,3								
435	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1				0,3		-0,3									
436	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1				0,3			-0,3								
437	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1					0,3	0,3									
438	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9			-1					0,3		0,3								
439	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1					0,3	-0,3									
440	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9			-1					0,3		-0,3								
441	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1			-0,3			0,3									
442	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1			-0,3				0,3								
443	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1			-0,3			-0,3									
444	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1			-0,3				-0,3								
445	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1				-0,3		0,3									
446	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1				-0,3			0,3								
447	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1				-0,3		-0,3									
448	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1				-0,3			-0,3								
449	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1					-0,3	0,3									
450	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9			-1					-0,3		0,3								
451	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1					-0,3	-0,3									
452	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9			-1					-0,3		-0,3								
453	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1		0,3			0,3									
454	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1		0,3				0,3								
455	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1		0,3			-0,3									
456	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1		0,3				-0,3								
457	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1			0,3		0,3									
458	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1			0,3			0,3								
459	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1			0,3		-0,3									
460	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1			0,3			-0,3								
461	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1				0,3	0,3									
462	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9				-1				0,3		0,3								
463	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1				0,3	-0,3									
464	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9				-1				0,3		-0,3								
465	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1		-0,3			0,3									
466	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1		-0,3				0,3								
467	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1		-0,3			-0,3									
468	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1		-0,3				-0,3								
469	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1			-0,3		0,3									
470	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1			-0,3			0,3								
471	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1			-0,3		-0,3									
472	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1			-0,3			-0,3								
473	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1				-0,3	0,3									
474	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9				-1				-0,3		0,3								
475	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1				-0,3	-0,3									
476	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9				-1				-0,3		-0,3								
477	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1	0,3			0,3									
478	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1	0,3				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
479	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1	0,3			-0,3									
480	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1	0,3				-0,3								
481	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1		0,3		0,3									
482	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1		0,3			0,3								
483	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1		0,3		-0,3									
484	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1		0,3			-0,3								
485	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1			0,3	0,3									
486	0.9G - Ex + 0.3Ey + 0.3Ez	YDKT		0,9					-1			0,3		0,3								
487	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1			0,3	-0,3									
488	0.9G - Ex + 0.3Ey - 0.3Ez	YDKT		0,9					-1			0,3		-0,3								
489	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1	-0,3			0,3									
490	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1	-0,3				0,3								
491	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1	-0,3			-0,3									
492	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1	-0,3				-0,3								
493	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1		-0,3		0,3									
494	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1		-0,3			0,3								
495	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1		-0,3		-0,3									
496	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1		-0,3			-0,3								
497	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1			-0,3	0,3									
498	0.9G - Ex - 0.3Ey + 0.3Ez	YDKT		0,9					-1			-0,3		0,3								
499	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1			-0,3	-0,3									
500	0.9G - Ex - 0.3Ey - 0.3Ez	YDKT		0,9					-1			-0,3		-0,3								
501	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3			1			0,3									
502	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3			1				0,3								
503	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3			1			-0,3									
504	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3			1				-0,3								
505	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3				1		0,3									
506	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3				1			0,3								
507	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3				1		-0,3									
508	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3				1			-0,3								
509	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3					1	0,3									
510	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9			0,3					1		0,3								
511	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3					1	-0,3									
512	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9			0,3					1		-0,3								
513	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3			-1			0,3									
514	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3			-1				0,3								
515	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3			-1			-0,3									
516	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3			-1				-0,3								
517	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3				-1		0,3									
518	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3				-1			0,3								
519	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3				-1		-0,3									
520	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3				-1			-0,3								
521	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3					-1	0,3									
522	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9			0,3					-1		0,3								
523	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3					-1	-0,3									
524	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9			0,3					-1		-0,3								
525	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3		1			0,3									
526	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3		1				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
527	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3		1			-0,3									
528	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3		1				-0,3								
529	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3			1		0,3									
530	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3			1			0,3								
531	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3			1		-0,3									
532	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3			1			-0,3								
533	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3				1	0,3									
534	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9				0,3				1		0,3								
535	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3				1	-0,3									
536	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9				0,3				1		-0,3								
537	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3		-1			0,3									
538	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3		-1				0,3								
539	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3		-1			-0,3									
540	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3		-1				-0,3								
541	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3			-1		0,3									
542	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3			-1			0,3								
543	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3			-1		-0,3									
544	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3			-1			-0,3								
545	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3				-1	0,3									
546	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9				0,3				-1		0,3								
547	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3				-1	-0,3									
548	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9				0,3				-1		-0,3								
549	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3	1			0,3									
550	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3	1				0,3								
551	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3	1			-0,3									
552	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3	1				-0,3								
553	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3		1		0,3									
554	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3		1			0,3								
555	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3		1		-0,3									
556	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3		1			-0,3								
557	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3			1	0,3									
558	0.9G + 0.3Ex + Ey + 0.3Ez	YDKT		0,9					0,3			1		0,3								
559	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3			1	-0,3									
560	0.9G + 0.3Ex + Ey - 0.3Ez	YDKT		0,9					0,3			1		-0,3								
561	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3	-1			0,3									
562	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3	-1				0,3								
563	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3	-1			-0,3									
564	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3	-1				-0,3								
565	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3		-1		0,3									
566	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3		-1			0,3								
567	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3		-1		-0,3									
568	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3		-1			-0,3								
569	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3			-1	0,3									
570	0.9G + 0.3Ex - Ey + 0.3Ez	YDKT		0,9					0,3			-1		0,3								
571	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3			-1	-0,3									
572	0.9G + 0.3Ex - Ey - 0.3Ez	YDKT		0,9					0,3			-1		-0,3								
573	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3			1			0,3									
574	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3			1				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
575	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3			1			-0,3									
576	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3			1				-0,3								
577	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3				1		0,3									
578	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3				1			0,3								
579	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3				1		-0,3									
580	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3				1			-0,3								
581	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3					1	0,3									
582	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9			-0,3					1		0,3								
583	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3					1	-0,3									
584	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9			-0,3					1		-0,3								
585	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3			-1			0,3									
586	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3			-1				0,3								
587	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3			-1			-0,3									
588	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3			-1				-0,3								
589	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3				-1		0,3									
590	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3				-1			0,3								
591	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3				-1		-0,3									
592	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3				-1			-0,3								
593	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3					-1	0,3									
594	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9			-0,3					-1		0,3								
595	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3					-1	-0,3									
596	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9			-0,3					-1		-0,3								
597	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3		1			0,3									
598	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3		1				0,3								
599	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3		1			-0,3									
600	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3		1				-0,3								
601	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3			1		0,3									
602	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3			1			0,3								
603	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3			1		-0,3									
604	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3			1			-0,3								
605	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3				1	0,3									
606	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9				-0,3				1		0,3								
607	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3				1	-0,3									
608	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9				-0,3				1		-0,3								
609	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3		-1			0,3									
610	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3		-1				0,3								
611	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3		-1			-0,3									
612	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3		-1				-0,3								
613	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3			-1		0,3									
614	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3			-1			0,3								
615	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3			-1		-0,3									
616	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3			-1			-0,3								
617	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3				-1	0,3									
618	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9				-0,3				-1		0,3								
619	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3				-1	-0,3									
620	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9				-0,3				-1		-0,3								
621	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3	1			0,3									
622	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3	1				0,3								

No	İsim	Tip	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
623	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3	1			-0,3									
624	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3	1				-0,3								
625	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3		1		0,3									
626	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3		1			0,3								
627	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3		1		-0,3									
628	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3		1			-0,3								
629	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3			1	0,3									
630	0.9G - 0.3Ex + Ey + 0.3Ez	YDKT		0,9					-0,3			1		0,3								
631	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3			1	-0,3									
632	0.9G - 0.3Ex + Ey - 0.3Ez	YDKT		0,9					-0,3			1		-0,3								
633	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3	-1			0,3									
634	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3	-1				0,3								
635	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3	-1			-0,3									
636	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3	-1				-0,3								
637	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3		-1		0,3									
638	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3		-1			0,3								
639	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3		-1		-0,3									
640	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3		-1			-0,3								
641	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3			-1	0,3									
642	0.9G - 0.3Ex - Ey + 0.3Ez	YDKT		0,9					-0,3			-1		0,3								
643	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3			-1	-0,3									
644	0.9G - 0.3Ex - Ey - 0.3Ez	YDKT		0,9					-0,3			-1		-0,3								

Tablo: Sehim Kombinasyonları:

No	İsim	G	Q	S
1	G + Q	1	1	
2	Q		1	
3	G + 0.5SN	1		0,5
4	SN			1

Tablo: Zemin Kombinasyonları:

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
1	1.4G + 1.6Q	1,4		1,6															
2	1.4G + Q + 1.6SN	1,4		1										1,6					
3	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			0,3			0,3			0,2				
4	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		0,3			0,3			0,2				
5	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	0,3			0,3			0,2				
6	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				0,3		0,3			0,2				
7	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			0,3		0,3			0,2				
8	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		0,3		0,3			0,2				
9	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					0,3	0,3			0,2				
10	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				0,3	0,3			0,2				
11	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			0,3	0,3			0,2				
12	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			0,3				0,3		0,2				
13	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		0,3				0,3		0,2				
14	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	0,3				0,3		0,2				
15	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				0,3			0,3		0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
16	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			0,3			0,3		0,2				
17	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		0,3			0,3		0,2				
18	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					0,3		0,3		0,2				
19	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				0,3		0,3		0,2				
20	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			0,3		0,3		0,2				
21	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			0,3			0,3			0,2				
22	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		0,3			0,3			0,2				
23	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	0,3			0,3			0,2				
24	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				0,3		0,3			0,2				
25	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			0,3		0,3			0,2				
26	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		0,3		0,3			0,2				
27	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					0,3	0,3			0,2				
28	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				0,3	0,3			0,2				
29	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			0,3	0,3			0,2				
30	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			0,3				0,3		0,2				
31	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		0,3				0,3		0,2				
32	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	0,3				0,3		0,2				
33	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				0,3			0,3		0,2				
34	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			0,3			0,3		0,2				
35	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		0,3			0,3		0,2				
36	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					0,3		0,3		0,2				
37	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				0,3		0,3		0,2				
38	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			0,3		0,3		0,2				
39	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			-0,3			0,3			0,2				
40	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		-0,3			0,3			0,2				
41	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	-0,3			0,3			0,2				
42	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				-0,3		0,3			0,2				
43	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			-0,3		0,3			0,2				
44	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		-0,3		0,3			0,2				
45	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					-0,3	0,3			0,2				
46	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				-0,3	0,3			0,2				
47	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			-0,3	0,3			0,2				
48	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			-0,3				0,3		0,2				
49	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		-0,3				0,3		0,2				
50	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	-0,3				0,3		0,2				
51	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				-0,3			0,3		0,2				
52	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			-0,3			0,3		0,2				
53	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		-0,3			0,3		0,2				
54	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					-0,3		0,3		0,2				
55	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				-0,3		0,3		0,2				
56	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			-0,3		0,3		0,2				
57	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			-0,3			0,3			0,2				
58	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		-0,3			0,3			0,2				
59	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	-0,3			0,3			0,2				
60	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				-0,3		0,3			0,2				
61	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			-0,3		0,3			0,2				
62	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		-0,3		0,3			0,2				
63	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					-0,3	0,3			0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
64	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				-0,3	0,3			0,2				
65	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			-0,3	0,3			0,2				
66	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			-0,3				0,3		0,2				
67	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		-0,3				0,3		0,2				
68	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	-0,3				0,3		0,2				
69	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				-0,3			0,3		0,2				
70	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			-0,3			0,3		0,2				
71	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		-0,3			0,3		0,2				
72	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					-0,3		0,3		0,2				
73	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				-0,3		0,3		0,2				
74	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			-0,3		0,3		0,2				
75	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3			1			0,3			0,2				
76	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3		1			0,3			0,2				
77	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3	1			0,3			0,2				
78	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3				1		0,3			0,2				
79	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3			1		0,3			0,2				
80	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3		1		0,3			0,2				
81	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3					1	0,3			0,2				
82	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3				1	0,3			0,2				
83	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3			1	0,3			0,2				
84	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3			1				0,3		0,2				
85	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3		1				0,3		0,2				
86	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3	1				0,3		0,2				
87	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3				1			0,3		0,2				
88	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3			1			0,3		0,2				
89	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3		1			0,3		0,2				
90	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3					1		0,3		0,2				
91	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3				1		0,3		0,2				
92	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3			1		0,3		0,2				
93	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			1			0,3			0,2				
94	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		1			0,3			0,2				
95	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	1			0,3			0,2				
96	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				1		0,3			0,2				
97	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			1		0,3			0,2				
98	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		1		0,3			0,2				
99	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					1	0,3			0,2				
100	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				1	0,3			0,2				
101	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			1	0,3			0,2				
102	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			1				0,3		0,2				
103	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		1				0,3		0,2				
104	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	1				0,3		0,2				
105	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				1			0,3		0,2				
106	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			1			0,3		0,2				
107	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		1			0,3		0,2				
108	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					1		0,3		0,2				
109	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				1		0,3		0,2				
110	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			1		0,3		0,2				
111	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3			-1			0,3			0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
112	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3		-1			0,3			0,2				
113	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3	-1			0,3			0,2				
114	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3				-1		0,3			0,2				
115	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3			-1		0,3			0,2				
116	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3		-1		0,3			0,2				
117	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3					-1	0,3			0,2				
118	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3				-1	0,3			0,2				
119	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3			-1	0,3			0,2				
120	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3			-1				0,3		0,2				
121	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3		-1				0,3		0,2				
122	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3	-1				0,3		0,2				
123	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3				-1			0,3		0,2				
124	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3			-1			0,3		0,2				
125	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3		-1			0,3		0,2				
126	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3					-1		0,3		0,2				
127	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3				-1		0,3		0,2				
128	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3			-1		0,3		0,2				
129	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			-1			0,3			0,2				
130	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		-1			0,3			0,2				
131	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	-1			0,3			0,2				
132	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				-1		0,3			0,2				
133	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			-1		0,3			0,2				
134	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		-1		0,3			0,2				
135	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					-1	0,3			0,2				
136	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				-1	0,3			0,2				
137	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			-1	0,3			0,2				
138	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			-1				0,3		0,2				
139	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		-1				0,3		0,2				
140	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	-1				0,3		0,2				
141	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				-1			0,3		0,2				
142	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			-1			0,3		0,2				
143	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		-1			0,3		0,2				
144	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					-1		0,3		0,2				
145	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				-1		0,3		0,2				
146	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			-1		0,3		0,2				
147	0.9G + Ex + 0.3Ez		0,9			1						0,3							
148	0.9G + Ex + 0.3Ez		0,9				1					0,3							
149	0.9G + Ex + 0.3Ez		0,9					1				0,3							
150	0.9G + Ex + 0.3Ez		0,9			1							0,3						
151	0.9G + Ex + 0.3Ez		0,9				1						0,3						
152	0.9G + Ex + 0.3Ez		0,9					1					0,3						
153	0.9G - Ex + 0.3Ez		0,9			-1						0,3							
154	0.9G - Ex + 0.3Ez		0,9				-1					0,3							
155	0.9G - Ex + 0.3Ez		0,9					-1				0,3							
156	0.9G - Ex + 0.3Ez		0,9			-1							0,3						
157	0.9G - Ex + 0.3Ez		0,9				-1						0,3						
158	0.9G - Ex + 0.3Ez		0,9					-1					0,3						
159	0.9G + Ey + 0.3Ez		0,9						1			0,3							

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
160	0.9G + Ey + 0.3Ez		0,9							1		0,3							
161	0.9G + Ey + 0.3Ez		0,9								1	0,3							
162	0.9G + Ey + 0.3Ez		0,9						1				0,3						
163	0.9G + Ey + 0.3Ez		0,9							1			0,3						
164	0.9G + Ey + 0.3Ez		0,9								1		0,3						
165	0.9G - Ey + 0.3Ez		0,9						-1			0,3							
166	0.9G - Ey + 0.3Ez		0,9							-1		0,3							
167	0.9G - Ey + 0.3Ez		0,9								-1	0,3							
168	0.9G - Ey + 0.3Ez		0,9						-1				0,3						
169	0.9G - Ey + 0.3Ez		0,9							-1			0,3						
170	0.9G - Ey + 0.3Ez		0,9								-1		0,3						
171	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			0,3			-0,3			0,2				
172	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		0,3			-0,3			0,2				
173	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	0,3			-0,3			0,2				
174	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				0,3		-0,3			0,2				
175	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			0,3		-0,3			0,2				
176	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		0,3		-0,3			0,2				
177	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					0,3	-0,3			0,2				
178	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				0,3	-0,3			0,2				
179	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			0,3	-0,3			0,2				
180	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			0,3				-0,3		0,2				
181	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		0,3				-0,3		0,2				
182	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	0,3				-0,3		0,2				
183	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				0,3			-0,3		0,2				
184	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			0,3			-0,3		0,2				
185	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		0,3			-0,3		0,2				
186	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					0,3		-0,3		0,2				
187	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				0,3		-0,3		0,2				
188	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			0,3		-0,3		0,2				
189	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			0,3			-0,3			0,2				
190	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		0,3			-0,3			0,2				
191	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	0,3			-0,3			0,2				
192	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				0,3		-0,3			0,2				
193	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			0,3		-0,3			0,2				
194	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		0,3		-0,3			0,2				
195	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					0,3	-0,3			0,2				
196	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				0,3	-0,3			0,2				
197	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			0,3	-0,3			0,2				
198	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			0,3				-0,3		0,2				
199	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		0,3				-0,3		0,2				
200	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	0,3				-0,3		0,2				
201	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				0,3			-0,3		0,2				
202	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			0,3			-0,3		0,2				
203	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		0,3			-0,3		0,2				
204	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					0,3		-0,3		0,2				
205	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				0,3		-0,3		0,2				
206	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			0,3		-0,3		0,2				
207	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			-0,3			-0,3			0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
208	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		-0,3			-0,3			0,2				
209	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	-0,3			-0,3			0,2				
210	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				-0,3		-0,3			0,2				
211	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			-0,3		-0,3			0,2				
212	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		-0,3		-0,3			0,2				
213	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					-0,3	-0,3			0,2				
214	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				-0,3	-0,3			0,2				
215	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			-0,3	-0,3			0,2				
216	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			-0,3				-0,3		0,2				
217	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		-0,3				-0,3		0,2				
218	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	-0,3				-0,3		0,2				
219	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				-0,3			-0,3		0,2				
220	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			-0,3			-0,3		0,2				
221	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		-0,3			-0,3		0,2				
222	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					-0,3		-0,3		0,2				
223	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				-0,3		-0,3		0,2				
224	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			-0,3		-0,3		0,2				
225	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			-0,3			-0,3			0,2				
226	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		-0,3			-0,3			0,2				
227	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	-0,3			-0,3			0,2				
228	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				-0,3		-0,3			0,2				
229	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			-0,3		-0,3			0,2				
230	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		-0,3		-0,3			0,2				
231	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					-0,3	-0,3			0,2				
232	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				-0,3	-0,3			0,2				
233	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			-0,3	-0,3			0,2				
234	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			-0,3				-0,3		0,2				
235	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		-0,3				-0,3		0,2				
236	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	-0,3				-0,3		0,2				
237	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				-0,3			-0,3		0,2				
238	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			-0,3			-0,3		0,2				
239	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		-0,3			-0,3		0,2				
240	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					-0,3		-0,3		0,2				
241	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				-0,3		-0,3		0,2				
242	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			-0,3		-0,3		0,2				
243	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3			1			-0,3			0,2				
244	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3		1			-0,3			0,2				
245	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3	1			-0,3			0,2				
246	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3				1		-0,3			0,2				
247	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3			1		-0,3			0,2				
248	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3		1		-0,3			0,2				
249	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3					1	-0,3			0,2				
250	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3				1	-0,3			0,2				
251	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3			1	-0,3			0,2				
252	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3			1				-0,3		0,2				
253	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3		1				-0,3		0,2				
254	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3	1				-0,3		0,2				
255	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3				1			-0,3		0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
256	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3			1			-0,3		0,2				
257	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3		1			-0,3		0,2				
258	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3					1		-0,3		0,2				
259	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3				1		-0,3		0,2				
260	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3			1		-0,3		0,2				
261	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			1			-0,3			0,2				
262	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		1			-0,3			0,2				
263	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	1			-0,3			0,2				
264	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				1		-0,3			0,2				
265	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			1		-0,3			0,2				
266	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		1		-0,3			0,2				
267	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					1	-0,3			0,2				
268	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				1	-0,3			0,2				
269	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			1	-0,3			0,2				
270	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			1				-0,3		0,2				
271	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		1				-0,3		0,2				
272	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	1				-0,3		0,2				
273	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				1			-0,3		0,2				
274	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			1			-0,3		0,2				
275	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		1			-0,3		0,2				
276	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					1		-0,3		0,2				
277	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				1		-0,3		0,2				
278	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			1		-0,3		0,2				
279	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3			-1			-0,3			0,2				
280	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3		-1			-0,3			0,2				
281	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3	-1			-0,3			0,2				
282	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3				-1		-0,3			0,2				
283	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3			-1		-0,3			0,2				
284	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3		-1		-0,3			0,2				
285	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3					-1	-0,3			0,2				
286	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3				-1	-0,3			0,2				
287	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3			-1	-0,3			0,2				
288	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3			-1				-0,3		0,2				
289	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3		-1				-0,3		0,2				
290	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3	-1				-0,3		0,2				
291	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3				-1			-0,3		0,2				
292	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3			-1			-0,3		0,2				
293	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3		-1			-0,3		0,2				
294	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3					-1		-0,3		0,2				
295	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3				-1		-0,3		0,2				
296	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3			-1		-0,3		0,2				
297	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			-1			-0,3			0,2				
298	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		-1			-0,3			0,2				
299	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	-1			-0,3			0,2				
300	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				-1		-0,3			0,2				
301	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			-1		-0,3			0,2				
302	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		-1		-0,3			0,2				
303	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					-1	-0,3			0,2				

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2
304	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				-1	-0,3			0,2				
305	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			-1	-0,3			0,2				
306	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			-1				-0,3		0,2				
307	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		-1				-0,3		0,2				
308	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	-1				-0,3		0,2				
309	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				-1			-0,3		0,2				
310	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			-1			-0,3		0,2				
311	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		-1			-0,3		0,2				
312	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					-1		-0,3		0,2				
313	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				-1		-0,3		0,2				
314	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			-1		-0,3		0,2				
315	0.9G + Ex - 0.3Ez		0,9			1						-0,3							
316	0.9G + Ex - 0.3Ez		0,9				1					-0,3							
317	0.9G + Ex - 0.3Ez		0,9					1				-0,3							
318	0.9G + Ex - 0.3Ez		0,9			1							-0,3						
319	0.9G + Ex - 0.3Ez		0,9				1						-0,3						
320	0.9G + Ex - 0.3Ez		0,9					1					-0,3						
321	0.9G - Ex - 0.3Ez		0,9			-1						-0,3							
322	0.9G - Ex - 0.3Ez		0,9				-1					-0,3							
323	0.9G - Ex - 0.3Ez		0,9					-1				-0,3							
324	0.9G - Ex - 0.3Ez		0,9			-1							-0,3						
325	0.9G - Ex - 0.3Ez		0,9				-1						-0,3						
326	0.9G - Ex - 0.3Ez		0,9					-1					-0,3						
327	0.9G + Ey - 0.3Ez		0,9						1			-0,3							
328	0.9G + Ey - 0.3Ez		0,9							1		-0,3							
329	0.9G + Ey - 0.3Ez		0,9								1	-0,3							
330	0.9G + Ey - 0.3Ez		0,9						1				-0,3						
331	0.9G + Ey - 0.3Ez		0,9							1			-0,3						
332	0.9G + Ey - 0.3Ez		0,9								1		-0,3						
333	0.9G - Ey - 0.3Ez		0,9						-1			-0,3							
334	0.9G - Ey - 0.3Ez		0,9							-1		-0,3							
335	0.9G - Ey - 0.3Ez		0,9								-1	-0,3							
336	0.9G - Ey - 0.3Ez		0,9						-1				-0,3						
337	0.9G - Ey - 0.3Ez		0,9							-1			-0,3						
338	0.9G - Ey - 0.3Ez		0,9								-1		-0,3						
339	G + 1.3Q + 1.3Wx	1		1,3												1,3			
340	G + 1.3Q + 1.3Wx	1		1,3													1,3		
341	G + 1.3Q + 1.3Wy	1		1,3														1,3	
342	G + 1.3Q + 1.3Wy	1		1,3															1,3
343	0.9G + 1.3Wx	0,9														1,3			
344	0.9G + 1.3Wx	0,9															1,3		
345	0.9G + 1.3Wy	0,9																1,3	
346	0.9G + 1.3Wy	0,9																	1,3

Tablo: Betonarme Kombinasyonları:

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
1	0.9G	0,9																			
2	1.4G + 1.6Q	1,4		1,6																	
3	1.4G + 1.6SN	1,4												1,6							
4	G + 1.3Q + 1.3SN	1		1,3										1,3							
5	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			0,3			0,3			0,2						
6	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		0,3			0,3			0,2						
7	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	0,3			0,3			0,2						
8	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				0,3		0,3			0,2						
9	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			0,3		0,3			0,2						
10	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		0,3		0,3			0,2						
11	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					0,3	0,3			0,2						
12	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				0,3	0,3			0,2						
13	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			0,3	0,3			0,2						
14	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			0,3				0,3		0,2						
15	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		0,3				0,3		0,2						
16	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	0,3				0,3		0,2						
17	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				0,3			0,3		0,2						
18	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			0,3			0,3		0,2						
19	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		0,3			0,3		0,2						
20	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					0,3		0,3		0,2						
21	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				0,3		0,3		0,2						
22	1.2G + Q + Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			0,3		0,3		0,2						
23	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			0,3			0,3			0,2						
24	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		0,3			0,3			0,2						
25	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	0,3			0,3			0,2						
26	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				0,3		0,3			0,2						
27	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			0,3		0,3			0,2						
28	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		0,3		0,3			0,2						
29	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					0,3	0,3			0,2						
30	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				0,3	0,3			0,2						
31	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			0,3	0,3			0,2						
32	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			0,3				0,3		0,2						
33	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		0,3				0,3		0,2						
34	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	0,3				0,3		0,2						
35	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				0,3			0,3		0,2						
36	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			0,3			0,3		0,2						
37	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		0,3			0,3		0,2						
38	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					0,3		0,3		0,2						
39	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				0,3		0,3		0,2						
40	1.2G + Q - Ex + 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			0,3		0,3		0,2						
41	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			-0,3			0,3			0,2						
42	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		-0,3			0,3			0,2						
43	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	-0,3			0,3			0,2						
44	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				-0,3		0,3			0,2						
45	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			-0,3		0,3			0,2						
46	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		-0,3		0,3			0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
47	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					-0,3	0,3			0,2						
48	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				-0,3	0,3			0,2						
49	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			-0,3	0,3			0,2						
50	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1			-0,3				0,3		0,2						
51	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1		-0,3				0,3		0,2						
52	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1	-0,3				0,3		0,2						
53	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1				-0,3			0,3		0,2						
54	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1			-0,3			0,3		0,2						
55	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1		-0,3			0,3		0,2						
56	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	1					-0,3		0,3		0,2						
57	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		1				-0,3		0,3		0,2						
58	1.2G + Q + Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			1			-0,3		0,3		0,2						
59	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			-0,3			0,3			0,2						
60	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		-0,3			0,3			0,2						
61	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	-0,3			0,3			0,2						
62	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				-0,3		0,3			0,2						
63	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			-0,3		0,3			0,2						
64	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		-0,3		0,3			0,2						
65	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					-0,3	0,3			0,2						
66	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				-0,3	0,3			0,2						
67	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			-0,3	0,3			0,2						
68	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1			-0,3				0,3		0,2						
69	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1		-0,3				0,3		0,2						
70	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1	-0,3				0,3		0,2						
71	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1				-0,3			0,3		0,2						
72	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1			-0,3			0,3		0,2						
73	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1		-0,3			0,3		0,2						
74	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1	-1					-0,3		0,3		0,2						
75	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1		-1				-0,3		0,3		0,2						
76	1.2G + Q - Ex - 0.3Ey + 0.3Ez + 0.2SN		1,2		1			-1			-0,3		0,3		0,2						
77	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3			1			0,3			0,2						
78	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3		1			0,3			0,2						
79	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3	1			0,3			0,2						
80	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3				1		0,3			0,2						
81	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3			1		0,3			0,2						
82	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3		1		0,3			0,2						
83	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3					1	0,3			0,2						
84	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3				1	0,3			0,2						
85	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3			1	0,3			0,2						
86	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3			1				0,3		0,2						
87	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3		1				0,3		0,2						
88	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3	1				0,3		0,2						
89	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3				1			0,3		0,2						
90	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3			1			0,3		0,2						
91	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3		1			0,3		0,2						
92	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	0,3					1		0,3		0,2						
93	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		0,3				1		0,3		0,2						
94	1.2G + Q + 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			0,3			1		0,3		0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
95	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			1			0,3			0,2						
96	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		1			0,3			0,2						
97	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	1			0,3			0,2						
98	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				1		0,3			0,2						
99	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			1		0,3			0,2						
100	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		1		0,3			0,2						
101	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					1	0,3			0,2						
102	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				1	0,3			0,2						
103	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			1	0,3			0,2						
104	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			1				0,3		0,2						
105	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		1				0,3		0,2						
106	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	1				0,3		0,2						
107	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				1			0,3		0,2						
108	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			1			0,3		0,2						
109	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		1			0,3		0,2						
110	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					1		0,3		0,2						
111	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				1		0,3		0,2						
112	1.2G + Q - 0.3Ex + Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			1		0,3		0,2						
113	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3			-1			0,3			0,2						
114	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3		-1			0,3			0,2						
115	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3	-1			0,3			0,2						
116	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3				-1		0,3			0,2						
117	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3			-1		0,3			0,2						
118	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3		-1		0,3			0,2						
119	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3					-1	0,3			0,2						
120	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3				-1	0,3			0,2						
121	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3			-1	0,3			0,2						
122	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3			-1				0,3		0,2						
123	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3		-1				0,3		0,2						
124	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3	-1				0,3		0,2						
125	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3				-1			0,3		0,2						
126	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3			-1			0,3		0,2						
127	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3		-1			0,3		0,2						
128	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	0,3					-1		0,3		0,2						
129	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		0,3				-1		0,3		0,2						
130	1.2G + Q + 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			0,3			-1		0,3		0,2						
131	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			-1			0,3			0,2						
132	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		-1			0,3			0,2						
133	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	-1			0,3			0,2						
134	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				-1		0,3			0,2						
135	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			-1		0,3			0,2						
136	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		-1		0,3			0,2						
137	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					-1	0,3			0,2						
138	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				-1	0,3			0,2						
139	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			-1	0,3			0,2						
140	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3			-1				0,3		0,2						
141	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3		-1				0,3		0,2						
142	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3	-1				0,3		0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
143	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3				-1			0,3		0,2						
144	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3			-1			0,3		0,2						
145	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3		-1			0,3		0,2						
146	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1	-0,3					-1		0,3		0,2						
147	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1		-0,3				-1		0,3		0,2						
148	1.2G + Q - 0.3Ex - Ey + 0.3Ez + 0.2SN		1,2		1			-0,3			-1		0,3		0,2						
149	0.9G + Ex + 0.3Ez		0,9			1						0,3									
150	0.9G + Ex + 0.3Ez		0,9				1					0,3									
151	0.9G + Ex + 0.3Ez		0,9					1				0,3									
152	0.9G + Ex + 0.3Ez		0,9			1							0,3								
153	0.9G + Ex + 0.3Ez		0,9				1						0,3								
154	0.9G + Ex + 0.3Ez		0,9					1					0,3								
155	0.9G - Ex + 0.3Ez		0,9			-1						0,3									
156	0.9G - Ex + 0.3Ez		0,9				-1					0,3									
157	0.9G - Ex + 0.3Ez		0,9					-1				0,3									
158	0.9G - Ex + 0.3Ez		0,9			-1							0,3								
159	0.9G - Ex + 0.3Ez		0,9				-1						0,3								
160	0.9G - Ex + 0.3Ez		0,9					-1					0,3								
161	0.9G + Ey + 0.3Ez		0,9						1			0,3									
162	0.9G + Ey + 0.3Ez		0,9							1		0,3									
163	0.9G + Ey + 0.3Ez		0,9								1	0,3									
164	0.9G + Ey + 0.3Ez		0,9						1				0,3								
165	0.9G + Ey + 0.3Ez		0,9							1			0,3								
166	0.9G + Ey + 0.3Ez		0,9								1		0,3								
167	0.9G - Ey + 0.3Ez		0,9						-1			0,3									
168	0.9G - Ey + 0.3Ez		0,9							-1		0,3									
169	0.9G - Ey + 0.3Ez		0,9								-1	0,3									
170	0.9G - Ey + 0.3Ez		0,9						-1				0,3								
171	0.9G - Ey + 0.3Ez		0,9							-1			0,3								
172	0.9G - Ey + 0.3Ez		0,9								-1		0,3								
173	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			0,3			-0,3			0,2						
174	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		0,3			-0,3			0,2						
175	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	0,3			-0,3			0,2						
176	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				0,3		-0,3			0,2						
177	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			0,3		-0,3			0,2						
178	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		0,3		-0,3			0,2						
179	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					0,3	-0,3			0,2						
180	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				0,3	-0,3			0,2						
181	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			0,3	-0,3			0,2						
182	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			0,3				-0,3		0,2						
183	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		0,3				-0,3		0,2						
184	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	0,3				-0,3		0,2						
185	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				0,3			-0,3		0,2						
186	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			0,3			-0,3		0,2						
187	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		0,3			-0,3		0,2						
188	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					0,3		-0,3		0,2						
189	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				0,3		-0,3		0,2						
190	1.2G + Q + Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			0,3		-0,3		0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
191	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			0,3			-0,3			0,2						
192	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		0,3			-0,3			0,2						
193	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	0,3			-0,3			0,2						
194	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				0,3		-0,3			0,2						
195	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			0,3		-0,3			0,2						
196	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		0,3		-0,3			0,2						
197	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					0,3	-0,3			0,2						
198	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				0,3	-0,3			0,2						
199	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			0,3	-0,3			0,2						
200	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			0,3				-0,3		0,2						
201	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		0,3				-0,3		0,2						
202	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	0,3				-0,3		0,2						
203	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				0,3			-0,3		0,2						
204	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			0,3			-0,3		0,2						
205	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		0,3			-0,3		0,2						
206	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					0,3		-0,3		0,2						
207	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				0,3		-0,3		0,2						
208	1.2G + Q - Ex + 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			0,3		-0,3		0,2						
209	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			-0,3			-0,3			0,2						
210	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		-0,3			-0,3			0,2						
211	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	-0,3			-0,3			0,2						
212	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				-0,3		-0,3			0,2						
213	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			-0,3		-0,3			0,2						
214	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		-0,3		-0,3			0,2						
215	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					-0,3	-0,3			0,2						
216	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				-0,3	-0,3			0,2						
217	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			-0,3	-0,3			0,2						
218	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1			-0,3				-0,3		0,2						
219	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1		-0,3				-0,3		0,2						
220	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1	-0,3				-0,3		0,2						
221	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1				-0,3			-0,3		0,2						
222	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1			-0,3			-0,3		0,2						
223	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1		-0,3			-0,3		0,2						
224	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	1					-0,3		-0,3		0,2						
225	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		1				-0,3		-0,3		0,2						
226	1.2G + Q + Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			1			-0,3		-0,3		0,2						
227	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			-0,3			-0,3			0,2						
228	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		-0,3			-0,3			0,2						
229	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	-0,3			-0,3			0,2						
230	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				-0,3		-0,3			0,2						
231	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			-0,3		-0,3			0,2						
232	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		-0,3		-0,3			0,2						
233	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					-0,3	-0,3			0,2						
234	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				-0,3	-0,3			0,2						
235	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			-0,3	-0,3			0,2						
236	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1			-0,3				-0,3		0,2						
237	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1		-0,3				-0,3		0,2						
238	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1	-0,3				-0,3		0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
239	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1				-0,3			-0,3		0,2						
240	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1			-0,3			-0,3		0,2						
241	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1		-0,3			-0,3		0,2						
242	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1	-1					-0,3		-0,3		0,2						
243	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1		-1				-0,3		-0,3		0,2						
244	1.2G + Q - Ex - 0.3Ey - 0.3Ez + 0.2SN		1,2		1			-1			-0,3		-0,3		0,2						
245	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3			1			-0,3			0,2						
246	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3		1			-0,3			0,2						
247	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3	1			-0,3			0,2						
248	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3				1		-0,3			0,2						
249	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3			1		-0,3			0,2						
250	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3		1		-0,3			0,2						
251	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3					1	-0,3			0,2						
252	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3				1	-0,3			0,2						
253	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3			1	-0,3			0,2						
254	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3			1				-0,3		0,2						
255	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3		1				-0,3		0,2						
256	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3	1				-0,3		0,2						
257	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3				1			-0,3		0,2						
258	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3			1			-0,3		0,2						
259	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3		1			-0,3		0,2						
260	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	0,3					1		-0,3		0,2						
261	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		0,3				1		-0,3		0,2						
262	1.2G + Q + 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			0,3			1		-0,3		0,2						
263	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			1			-0,3			0,2						
264	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		1			-0,3			0,2						
265	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	1			-0,3			0,2						
266	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				1		-0,3			0,2						
267	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			1		-0,3			0,2						
268	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		1		-0,3			0,2						
269	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					1	-0,3			0,2						
270	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				1	-0,3			0,2						
271	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			1	-0,3			0,2						
272	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			1				-0,3		0,2						
273	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		1				-0,3		0,2						
274	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	1				-0,3		0,2						
275	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				1			-0,3		0,2						
276	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			1			-0,3		0,2						
277	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		1			-0,3		0,2						
278	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					1		-0,3		0,2						
279	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				1		-0,3		0,2						
280	1.2G + Q - 0.3Ex + Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			1		-0,3		0,2						
281	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3			-1			-0,3			0,2						
282	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3		-1			-0,3			0,2						
283	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3	-1			-0,3			0,2						
284	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3				-1		-0,3			0,2						
285	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3			-1		-0,3			0,2						
286	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3		-1		-0,3			0,2						

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
287	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3					-1	-0,3			0,2						
288	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3				-1	-0,3			0,2						
289	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3			-1	-0,3			0,2						
290	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3			-1				-0,3		0,2						
291	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3		-1				-0,3		0,2						
292	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3	-1				-0,3		0,2						
293	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3				-1			-0,3		0,2						
294	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3			-1			-0,3		0,2						
295	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3		-1			-0,3		0,2						
296	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	0,3					-1		-0,3		0,2						
297	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		0,3				-1		-0,3		0,2						
298	1.2G + Q + 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			0,3			-1		-0,3		0,2						
299	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			-1			-0,3			0,2						
300	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		-1			-0,3			0,2						
301	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	-1			-0,3			0,2						
302	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				-1		-0,3			0,2						
303	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			-1		-0,3			0,2						
304	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		-1		-0,3			0,2						
305	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					-1	-0,3			0,2						
306	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				-1	-0,3			0,2						
307	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			-1	-0,3			0,2						
308	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3			-1				-0,3		0,2						
309	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3		-1				-0,3		0,2						
310	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3	-1				-0,3		0,2						
311	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3				-1			-0,3		0,2						
312	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3			-1			-0,3		0,2						
313	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3		-1			-0,3		0,2						
314	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1	-0,3					-1		-0,3		0,2						
315	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1		-0,3				-1		-0,3		0,2						
316	1.2G + Q - 0.3Ex - Ey - 0.3Ez + 0.2SN		1,2		1			-0,3			-1		-0,3		0,2						
317	0.9G + Ex - 0.3Ez		0,9			1						-0,3									
318	0.9G + Ex - 0.3Ez		0,9				1					-0,3									
319	0.9G + Ex - 0.3Ez		0,9					1				-0,3									
320	0.9G + Ex - 0.3Ez		0,9			1							-0,3								
321	0.9G + Ex - 0.3Ez		0,9				1						-0,3								
322	0.9G + Ex - 0.3Ez		0,9					1					-0,3								
323	0.9G - Ex - 0.3Ez		0,9			-1						-0,3									
324	0.9G - Ex - 0.3Ez		0,9				-1					-0,3									
325	0.9G - Ex - 0.3Ez		0,9					-1				-0,3									
326	0.9G - Ex - 0.3Ez		0,9			-1							-0,3								
327	0.9G - Ex - 0.3Ez		0,9				-1						-0,3								
328	0.9G - Ex - 0.3Ez		0,9					-1					-0,3								
329	0.9G + Ey - 0.3Ez		0,9						1			-0,3									
330	0.9G + Ey - 0.3Ez		0,9							1		-0,3									
331	0.9G + Ey - 0.3Ez		0,9								1	-0,3									
332	0.9G + Ey - 0.3Ez		0,9						1				-0,3								
333	0.9G + Ey - 0.3Ez		0,9							1			-0,3								
334	0.9G + Ey - 0.3Ez		0,9								1		-0,3								

No	İsim	G1	G2	Q1	Q2	Ex1	Ex2	Ex3	Ey1	Ey2	Ey3	Ez1	Ez2	S1	S2	Wx1	Wx2	Wy1	Wy2	T1	T2
335	0.9G - Ey - 0.3Ez		0,9						-1			-0,3									
336	0.9G - Ey - 0.3Ez		0,9							-1		-0,3									
337	0.9G - Ey - 0.3Ez		0,9								-1	-0,3									
338	0.9G - Ey - 0.3Ez		0,9						-1				-0,3								
339	0.9G - Ey - 0.3Ez		0,9							-1			-0,3								
340	0.9G - Ey - 0.3Ez		0,9								-1		-0,3								
341	G + 1.3Q + 1.3SN + 1.3Wx	1		1,3										1,3		1,3					
342	G + 1.3Q + 1.3SN + 1.3Wx	1		1,3										1,3			1,3				
343	G + 1.3Q + 1.3SN + 1.3Wy	1		1,3										1,3				1,3			
344	G + 1.3Q + 1.3SN + 1.3Wy	1		1,3										1,3					1,3		
345	G + 1.2Q + 1.2T+	1		1,2																1,2	
346	G + 1.2Q + 1.2T-	1		1,2																	1,2
347	G + 1.2Q - 1.2T+	1		1,2																-1,2	
348	G + 1.2Q - 1.2T-	1		1,2																	-1,2

1.5. Genel Katsayılar

Bu bölümde, proje hazırlanırken kullanılan katsayılar verilecektir. Aynı katsayılara ileriki bölmlerde gerekli durumlarda tekrar yer verilebilir.

Yer Hareketi Duzeyi	DD2
Deprem Tasarım Sınıfı	DTS1
Bina Kullanım Sınıfı	BKS3
Bina Yükseklik Sınıfı	BYS7
Yerel Zemin Sınıfı	ZD
Yapı Tipi X	C11
Yapı Tipi Y	C11
Süneklilik katsayısı Rx	8
Süneklilik katsayısı Ry	8
Dayanım fazlalığı katsayısı Dx	3
Dayanım fazlalığı katsayısı Dy	3
Yapı önem katsayısı I	1
Eşdeğer deprem yükü karşılaştırma katsayısı β	0.9
Hareketli yük katılım katsayısı n	0.3
Deprem alt kotu yüksekliği	0m
Ek dışmerkezlik e	0.05
Dolgu duvar bağlantı tipi	Tam bağlı
Boylam	26.407
Enlem	40.883
Spektrum parametresi Ss	0.695
Spektrum parametresi S1	0.212
Spektrum parametresi Sds	0.865
Spektrum parametresi Sd1	0.461
Spektrum parametresi Ta	0.10659
Spektrum parametresi Tb	0.53295
Spektrum parametresi TL	6
Zemin taşıma gücü	28TonF/m²
Zemin yatak katsayısı	2000TonF/m³
Kar Yükü	0.076479TonF/m²

Rüzgar Yükü 1	0.10197TonF/m²
Rüzgar Yüksekliği 1	8m
Rüzgar Yükü 2	0.16315TonF/m²
Rüzgar Yüksekliği 2	20m
Rüzgar Yükü 3	0.22434TonF/m²
Rüzgar Yüksekliği 3	100m
Rüzgar Yükü 4	0.26513TonF/m²
X Aksı sayısı	6
Y Aksı sayısı	5

Tablo: Yapıda tanımlı X ve Y aksları

X no	İsim	Yer-m		Y no	İsim	Yer
1	1	1.2		1	A	2.7
2	2	1.8		2	B	3.7
3	3	9.8		3	C	5.75
4	4	12.6		4	D	7.8
5	5	20.6		5	E	8.8
6	6	21.2				

1.6. Yönetmelik seçenekleri

Yapı tasarımında kullanılan seçenekler ve (varsa) yönetmelik talepleri bu bölümde belirtilmiştir

TS500/TS-EN1993 seçenekleri

Madde	Açıklama	İstenilen	Kullanılan	Birim	Uygun
	F_{yk}	-	4282	kgF/cm²	
	$F_{yk-DÖŞEME}$	-	4282	kgF/cm²	
	ε_{cu}	-	0.003	-	
	ε_{y}	-	0.0021	-	
	Demir uzun	-	12	m	-
	Yuvarlak demir birim ağırlığı	-	7.849	TonF	
	Donatı çeliği güvenlik faktörü	1.15	1.15		√
	Beton güvenlik faktörü	1.5	1.5		√
	$\mu_{bet-çel}$	-	0.45	-	
YDKT-ϕ gene	Dayanım katsayısı, (Bölüm 5'ten Bölüm 16'ya kadar)	-	0.75	-	
YDKT-ϕb eğilme	Eğilme dayanımı katsayısı, (Bölüm 11)	-	0.9	-	
YDKT-ϕc basınç	Basınç dayanımı katsayısı, (Bölüm 11)	-	0.9	-	
YDKT-ϕv kesme	Kesme dayanımı katsayısı, (Bölüm 11)	-	0.9	-	
Mu	Sürtünme katsayısı tablo 13.11	-	0.4	-	
Hf	Yüksek dayanımlı bulon	-	1	-	
YDKT-ϕ bulon	Bulon durum dayanım katsayısı	-	1	-	
YDKT-ϕ bulon	Bulon durum dayanım katsayısı	-	0.85	-	
YDKT-ϕ bulon	Bulon durum dayanım katsayısı	-	0.7	-	
	Kaynak/bulon konstriktif kurallar	Evet	Evet	-	√
	3mm kaynakta 0.7t kontrol etme	-	Evet	-	-
	Minimum kaynak kalınlığı kontrolü $a^{0.5}$ -0.5	-	Hayır	-	-
TS3357 m4.1	Birleştirilen borulardan küçüğünün çapı büyüğünün çapının 1/4 ünden küçük olmamalıdır	0.25	0.25		√
TS3357 m4.1	Birleştirilen borularda kaynak emniyet gerilmesi 0.65 ile çarpılır	0.65	0.65		√
TS3357 m4.1	Birleştirilen boruların arası açı en az 30° olmalıdır	30	30		√
	Makas kapasite yüklemesi	0.5	0.5		√

Madde	Açıklama	İstenilen	Birim	Uygun
	Kaynak σ ihmal için σ/τ oranı	0.2		-
	Kaynak kayma alanı diğer yön min.	0.05		-
	Yanal mes. için bağlanan prf. alanının ana prf. başlık alanına orn.	2	cm	-
	Eğilme durumu bir yüzeyde min. donatı pursantajı	0.001		-
TS500 7.6.2.1	Karşılaştırma sayısı	0.05		-
	Basit Kiriş Sehim	360		-
	Aşık/kuşak Sehim	240		-
	Konsol Kiriş Sehim	150		-
	Kren Kiriş Sehim	600		-
	Sehim hesabı 5m'den kısa kirişlerde 5m'ye göre yapılır	Hayır		-
	Bulonlar arası minimum uzaklık	3		-
	Bulon-levha kenar uzaklığı(kuvvet yönüne paralel)	2		-
	Bulon-levha kenar uzaklığı(kuvvet yönüne dik)	1.5		-
	Basınç birleşimlerinde birleşim vasıtası N çarpanı	0.55		√
	Profillerin birbirine oturduğu ikincil birleşimlerde(Aşık) kuv.çrp.	0.55		√
	Kaynak/bulon hesapları için minimum eksantrisite	2.5	cm	-
	serbest boya bağlı minimum eksantrisite, L/?	500		-
	Burulma burkulması kolon tarafından tutulur	0.5		-
	Kolonlar, "x" kat atalete sahipse yan elemanları tutar	10		-
	Çok parçalı basınç çub. tasarımı K burk.kats.	1		-
	Sonlu eleman birleşim hesaplarında gerilme ortalama uzaklığı	5	cm	-
	Eleman maksimum yerdeğiştirme sınırı	0.25	m	-
	Kolon Paspayı	4	cm	√
	Döşeme Paspayı	2	cm	√
	Temel Paspayı	5	cm	√
	Kolon Min. Donatı oranı	0.01		√
	Kolon Max. Donatı oranı	0.04		√
	Maximum Boyuna Demir Aralığı	25	cm	√
	Minimum Boyuna Demir Aralığı	3	cm	√
	Grobeton Kalınlığı	5	cm	-
	Temel Pilye Açısı	60		-
	Yüzey elemanı bulunan kirişlerde M2-M3 etkileşimi	Evet		-
	EN 1994-1-1: 2004 kompozit döşeme kirişi hesabı	Evet		-
	Döşeme, kiriş için yanal mesnetlenme sağlar	Evet		-
	Döşeme, ara kirişin diyafram içi momentini taşır	Evet		-
	Rijit uç bölgede(End zone) tasarım atla	Evet		-
	Kaplama, t et kalınlığından ince kirişlerin zayıf yön momentini taşır	3.1	mm	-
	Aşık-kuşak burulma burkulma boyu hesabında diğer yön tutulu	Evet		-
	Petek kiriş elastik tasarım	Hayır		-
	Basit burkulmayı da kontrol et(ωN/A+M/W)	Evet		-
	Bulon yük dağılımı için EN1993-Component metod	Evet		-
	Birleşim rijitlikleri için EN1993-Component metod	Evet		-
	Makas/çapraz/iskele elemanlarında sadece uç ve orta nokta kontrol	Evet		-
	L_b 1:Temiz açıklık oranı	0.25		-
TS500 f7.3	Kiriş çekme donatısı minimum oranı ρ[0.8fctd/fyd]	0.8		√
TS500 m7.3	Boyuna donatı arası minimum mesafe 1	2	cm	√
TS500 m7.3	Boyuna donatı arası minimum mesafe 2[1ø]	1		√
TS500 f7.4	Çekme-basınç donatı oranı farkı max [0.85ρb]	0.85		√

Madde	Açıklama	İstenilen	Bulunan	Uygun
TS500 f7.5	Çekme donatısı maksimum oranı	0.022	0.022	V
TS500 f7.6	Gövde donatısı atılması zorunlu olan yükseklik	60	60	cm V
TS500 f7.6	Gövde donatısı aralığı	30	30	cm V
TS500 f7.6	Gövde donatısı oranı	0.001	0.001	V

Ek seçenekler

Bütün tasarım seçenekleri standartlara uygun.....V

1.7. Çelik Yönetmeliği

Türkiye Çelik Yönetmeliği YDKT

ϕ Eğilme	0,9
ϕ Kesme	0,9
ϕ Basınç	0,9
ϕ Çekme Kırılma	0,75
ϕ Çekme Akma	0,9
ϕ Burulma	0,9
Analiz Metodu	İkinci mertebe analiz
Geometrik Ön Kusur	1/500
İkinci mertebe çözümde rijitlik azaltma değeri	0.8

1.8. Çubuk Bilgisi

i,j: Başlangıç ve bitiş düğüm noktaları

U1,U2,U3: Öteleme serbestliği mafsalı veya yay katsayısı-TonF/m

R1,R2,R3: Dönme serbestliği mafsalı veya yay katsayısı-TonF.m

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
A1[329]	Aşık	UPN 100	S235	678	696	3.74	-	-	-	-	Maf	Maf
A1[330]	Aşık	UPN 100	S235	681	700	3.74	-	-	-	-	Maf	Maf
A1[331]	Aşık	UPN 100	S235	679	702	3.74	-	-	-	-	Maf	Maf
A1[332]	Aşık	UPN 100	S235	682	701	3.74	-	-	-	-	Maf	Maf
A1[333]	Aşık	UPN 100	S235	677	695	3.74	-	-	-	-	Maf	Maf
A1[334]	Aşık	UPN 100	S235	680	698	3.74	-	-	-	-	Maf	Maf
A1[335]	Aşık	UPN 100	S235	683	697	3.74	-	-	-	-	Maf	Maf
A1[337]	Aşık	UPN 100	S235	696	714	3.74	-	-	-	-	Maf	Maf
A1[338]	Aşık	UPN 100	S235	700	716	3.74	-	-	-	-	Maf	Maf
A1[339]	Aşık	UPN 100	S235	702	721	3.74	-	-	-	-	Maf	Maf
A1[340]	Aşık	UPN 100	S235	701	717	3.74	-	-	-	-	Maf	Maf
A1[341]	Aşık	UPN 100	S235	695	713	3.74	-	-	-	-	Maf	Maf
A1[342]	Aşık	UPN 100	S235	698	719	3.74	-	-	-	-	Maf	Maf
A1[343]	Aşık	UPN 100	S235	697	718	3.74	-	-	-	-	Maf	Maf
A1[344]	Aşık	UPN 100	S235	699	720	3.74	-	-	-	-	Maf	Maf
A1[345]	Aşık	UPN 100	S235	714	732	3.74	-	-	-	-	Maf	Maf
A1[346]	Aşık	UPN 100	S235	716	735	3.74	-	-	-	-	Maf	Maf
A1[347]	Aşık	UPN 100	S235	721	738	3.74	-	-	-	-	Maf	Maf
A1[348]	Aşık	UPN 100	S235	717	733	3.74	-	-	-	-	Maf	Maf
A1[349]	Aşık	UPN 100	S235	713	731	3.74	-	-	-	-	Maf	Maf
A1[350]	Aşık	UPN 100	S235	719	734	3.74	-	-	-	-	Maf	Maf
A1[351]	Aşık	UPN 100	S235	718	737	3.74	-	-	-	-	Maf	Maf

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
A1[352]	Aşık	UPN 100	S235	720	736	3.74	-	-	-	-	Maf	Maf
A1[353]	Aşık	UPN 100	S235	732	750	3.74	-	-	-	-	Maf	Maf
A1[354]	Aşık	UPN 100	S235	735	755	3.74	-	-	-	-	Maf	Maf
A1[355]	Aşık	UPN 100	S235	738	752	3.74	-	-	-	-	Maf	Maf
A1[356]	Aşık	UPN 100	S235	733	754	3.74	-	-	-	-	Maf	Maf
A1[357]	Aşık	UPN 100	S235	731	749	3.74	-	-	-	-	Maf	Maf
A1[358]	Aşık	UPN 100	S235	734	753	3.74	-	-	-	-	Maf	Maf
A1[359]	Aşık	UPN 100	S235	737	751	3.74	-	-	-	-	Maf	Maf
A10[810]	Aşık	UPN 100	S235	1138	1133	3.7265	-	-	-	-	-	-
BR1[385]	Çapraz	P114,3x5,0	S235	144	1420	2.1767	-	-	-	-	Maf	Maf
BR1[393]	Çapraz	P114,3x5,0	S235	1440	122	2.1767	-	-	-	-	-	Maf
BR1[394]	Çapraz	P114,3x5,0	S235	121	1450	2.1767	-	-	-	-	Maf	Maf
BR1[402]	Çapraz	P114,3x5,0	S235	1470	98	2.1767	-	-	-	-	-	Maf
BR2[391]	Çapraz	P114,3x5,0	S235	147	1440	2.1765	-	-	-	-	Maf	Maf
BR2[396]	Çapraz	P114,3x5,0	S235	1450	101	2.1765	-	-	-	-	-	Maf
BR2[400]	Çapraz	P114,3x5,0	S235	123	1470	2.1765	-	-	-	-	Maf	Maf
BR2[387]	Çapraz	P114,3x5,0	S235	1420	124	2.1765	-	-	-	-	-	Maf
BR3[397]	Çapraz	P114,3x5,0	S235	124	1460	2.2312	-	-	-	-	Maf	Maf
BR3[399]	Çapraz	P114,3x5,0	S235	1460	100	2.2312	-	-	-	-	-	Maf
BR3[388]	Çapraz	P114,3x5,0	S235	146	1430	2.2312	-	-	-	-	Maf	Maf
BR3[390]	Çapraz	P114,3x5,0	S235	1430	123	2.2312	-	-	-	-	-	Maf
BR4[395]	Çapraz	P114,3x5,0	S235	99	124	4.7804	-	-	-	-	Maf	Maf
BR4[386]	Çapraz	P114,3x5,0	S235	121	146	4.7804	-	-	-	-	Maf	Maf
BR4[401]	Çapraz	P114,3x5,0	S235	100	122	4.7804	-	-	-	-	Maf	Maf
BR4[392]	Çapraz	P114,3x5,0	S235	123	145	4.7804	-	-	-	-	Maf	Maf
BR5[389]	Çapraz	P114,3x5,0	S235	124	147	4.8966	-	-	-	-	Maf	Maf
BR5[398]	Çapraz	P114,3x5,0	S235	101	123	4.8966	-	-	-	-	Maf	Maf
T1[1400]	FoundationContinuous	300x500	C30	-	-	8	-	-	-	-	-	-
B20[1375]	Çelik Kiriş	IPE 100	S235	77	71	2.62	-	-	-	-	-	-
B21[1386]	Çelik Kiriş	RH60x40x5	S235	1323	1329	4	-	-	-	-	-	-
B23[1384]	Çelik Kiriş	RH60x40x5	S235	73	63	4.06	-	-	-	-	-	-
B24[1388]	Çelik Kiriş	R40x3	S235	1329	74	2.5787	-	-	-	-	-	-
B24[1399]	Çelik Kiriş	R40x3	S235	64	1323	2.5787	-	-	-	-	-	-
B25[1391]	Çelik Kiriş	R40x3	S235	1331	1324	2.5812	-	-	-	-	-	-
B25[1393]	Çelik Kiriş	R40x3	S235	1332	1325	2.5812	-	-	-	-	-	-
B25[1395]	Çelik Kiriş	R40x3	S235	1333	1326	2.5812	-	-	-	-	-	-
B25[1397]	Çelik Kiriş	R40x3	S235	1334	1327	2.5812	-	-	-	-	-	-
B25[1389]	Çelik Kiriş	R40x3	S235	1330	1328	2.5812	-	-	-	-	-	-
B26[1374]	Çelik Kiriş	IPE 100	S235	61	67	2.66	-	-	-	-	-	-
B27[1376]	Çelik Kiriş	IPE 100	S235	71	61	3.92	-	-	-	-	-	-
B19[1373]	Çelik Kiriş	IPE 100	S235	67	77	3.96	-	-	-	-	-	-
B22[944]	Çelik Kiriş	IPE 100	S235	1313	1315	2.7009	-	-	-	-	-	-
B22[945]	Çelik Kiriş	IPE 100	S235	1316	1318	2.7009	-	-	-	-	-	-
B22[946]	Çelik Kiriş	IPE 100	S235	1319	1321	2.7009	-	-	-	-	-	-
B22[942]	Çelik Kiriş	IPE 100	S235	1307	1309	2.7009	-	-	-	-	-	-
B22[943]	Çelik Kiriş	IPE 100	S235	1310	1312	2.7009	-	-	-	-	-	-
B28[1364]	Çelik Kiriş	IPE 100	S235	78	72	2.7	-	-	-	-	-	-
B28[1372]	Çelik Kiriş	IPE 100	S235	62	68	2.7	-	-	-	-	-	-

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
B29[1371]	Çelik Kiriş	IPE 100	S235	68	78	4	-	-	-	-	-	-
B29[1369]	Çelik Kiriş	IPE 100	S235	72	62	4	-	-	-	-	-	-
T10[905]	FoundationContinuous	1000x1000	C30	-	-	7.1	-	-	-	-	-	-
T2[1402]	FoundationContinuous	300x500	C30	-	-	8	-	-	-	-	-	-
T3[1401]	FoundationContinuous	300x500	C30	-	-	8	-	-	-	-	-	-
A4[807]	Aşık	UPN 100	S235	1142	715	3.745	-	-	-	-	-	-
T4[1403]	FoundationContinuous	300x500	C30	-	-	8	-	-	-	-	-	-
A5[806]	Aşık	UPN 100	S235	715	1137	3.745	-	-	-	-	Maf	Maf
T5[904]	FoundationContinuous	1000x1000	C30	-	-	7.1	-	-	-	-	-	-
T6[906]	FoundationContinuous	300x1150	C30	-	-	4.1	-	-	-	-	-	-
T7[909]	FoundationContinuous	300x1150	C30	-	-	2.8	-	-	-	-	-	-
A8[809]	Aşık	UPN 100	S235	1134	1146	3.8245	-	-	-	-	Maf	Maf
T8[912]	FoundationContinuous	300x1150	C30	-	-	2.8	-	-	-	-	-	-
A9[808]	Aşık	UPN 100	S235	1146	1142	3.7748	-	-	-	-	-	-
A9[805]	Aşık	UPN 100	S235	1137	1138	3.7748	-	-	-	-	-	-
B17[647]	Çelik Kiriş	IPE 100	S235	392	399	1.49	-	-	-	-	-	-
B18[637]	Çelik Kiriş	IPE 100	S235	155	422	1.48	-	-	-	-	-	-
B18[638]	Çelik Kiriş	IPE 100	S235	152	418	1.48	-	-	-	-	-	-
B18[639]	Çelik Kiriş	IPE 100	S235	151	417	1.48	-	-	-	-	-	-
B18[640]	Çelik Kiriş	IPE 100	S235	156	421	1.48	-	-	-	-	-	-
B18[641]	Çelik Kiriş	IPE 100	S235	160	426	1.48	-	-	-	-	-	-
B18[642]	Çelik Kiriş	IPE 100	S235	389	395	1.48	-	-	-	-	-	-
B18[643]	Çelik Kiriş	IPE 100	S235	385	400	1.48	-	-	-	-	-	-
B18[644]	Çelik Kiriş	IPE 100	S235	387	397	1.48	-	-	-	-	-	-
B18[645]	Çelik Kiriş	IPE 100	S235	381	396	1.48	-	-	-	-	-	-
B18[646]	Çelik Kiriş	IPE 100	S235	386	398	1.48	-	-	-	-	-	-
B18[636]	Çelik Kiriş	IPE 100	S235	159	425	1.48	-	-	-	-	-	-
A2[365]	Aşık	UPN 100	S235	749	1120	3.645	-	-	-	-	Maf	Maf
A2[366]	Aşık	UPN 100	S235	753	1124	3.645	-	-	-	-	Maf	Maf
A2[367]	Aşık	UPN 100	S235	751	1128	3.645	-	-	-	-	Maf	Maf
A2[361]	Aşık	UPN 100	S235	750	1104	3.645	-	-	-	-	Maf	Maf
A2[362]	Aşık	UPN 100	S235	755	1108	3.645	-	-	-	-	Maf	Maf
A2[363]	Aşık	UPN 100	S235	752	1112	3.645	-	-	-	-	Maf	Maf
A2[364]	Aşık	UPN 100	S235	754	1116	3.645	-	-	-	-	Maf	Maf
A3[327]	Aşık	UPN 100	S235	995	683	3.745	-	-	-	-	Maf	Maf
A3[321]	Aşık	UPN 100	S235	971	678	3.745	-	-	-	-	Maf	Maf
A3[322]	Aşık	UPN 100	S235	975	681	3.745	-	-	-	-	Maf	Maf
A3[323]	Aşık	UPN 100	S235	979	679	3.745	-	-	-	-	Maf	Maf
A3[324]	Aşık	UPN 100	S235	983	682	3.745	-	-	-	-	Maf	Maf
A3[325]	Aşık	UPN 100	S235	987	677	3.745	-	-	-	-	Maf	Maf
A3[326]	Aşık	UPN 100	S235	991	680	3.745	-	-	-	-	Maf	Maf
A4[336]	Aşık	UPN 100	S235	1003	699	3.745	-	-	-	-	-	-
B4[661]	Çelik Makas	IPE 100	S235	383	1136	1.59	-	-	-	-	-	-
A5[360]	Aşık	UPN 100	S235	736	1100	3.745	-	-	-	-	Maf	Maf
A6[368]	Aşık	UPN 100	S235	1100	1132	3.665	-	-	-	-	-	-
A7[328]	Aşık	UPN 100	S235	999	1003	3.7646	-	-	-	-	Maf	Maf
B10[445]	Çelik Kiriş	IPE 200	S235	381	133	1.1699	-	-	-	-	1144.6	271.2
B10[453]	Çelik Kiriş	IPE 200	S235	387	135	1.1699	-	-	-	-	1144.6	271.2

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
B10[461]	Çelik Kiriş	IPE 200	S235	385	137	1.1699	-	-	-	-	1144.6	271.2
B10[469]	Çelik Kiriş	IPE 200	S235	389	139	1.1699	-	-	-	-	1144.6	271.2
B10[433]	Çelik Kiriş	IPE 200	S235	392	128	1.1699	-	-	-	-	1144.6	271.2
B10[441]	Çelik Kiriş	IPE 200	S235	386	132	1.1699	-	-	-	-	1144.6	271.2
B11[472]	Çelik Kiriş	IPE 200	S235	93	159	1.6608	-	-	-	-	Maf	Maf
T9[907]	FoundationContinuous	300x1150	C30	-	-	4.1	-	-	-	-	-	-
MK16[546]	Çelik Makas	IPE 140	S235	771	775	0.88128	-	-	-	-	-	-
MK16[547]	Çelik Makas	IPE 140	S235	775	779	0.88128	-	-	-	-	-	-
MK16[548]	Çelik Makas	IPE 140	S235	779	783	0.88128	-	-	-	-	-	-
MK16[551]	Çelik Makas	IPE 140	S235	761	765	0.88128	-	-	-	-	-	-
MK16[552]	Çelik Makas	IPE 140	S235	765	769	0.88128	-	-	-	-	-	-
MK16[553]	Çelik Makas	IPE 140	S235	769	773	0.88128	-	-	-	-	-	-
MK16[554]	Çelik Makas	IPE 140	S235	773	777	0.88128	-	-	-	-	-	-
MK16[555]	Çelik Makas	IPE 140	S235	777	781	0.88128	-	-	-	-	-	-
MK16[556]	Çelik Makas	IPE 140	S235	781	785	0.88128	-	-	-	-	-	-
MK1[476]	Çelik Makas	IPE 200	S235	86	149	1.1791	-	-	-	-	Maf	Maf
MK16[543]	Çelik Makas	IPE 140	S235	759	763	0.88128	-	-	-	-	-	-
MK16[544]	Çelik Makas	IPE 140	S235	763	767	0.88128	-	-	-	-	-	-
MK16[545]	Çelik Makas	IPE 140	S235	767	771	0.88128	-	-	-	-	-	-
B12[464]	Çelik Kiriş	IPE 200	S235	91	155	2.3021	-	-	-	-	Maf	Maf
B9[471]	Çelik Kiriş	IPE 200	S235	114	93	2.9298	-	-	-	-	Maf	Maf
B9[462]	Çelik Kiriş	IPE 200	S235	137	116	2.9298	-	-	-	-	Maf	Maf
B9[463]	Çelik Kiriş	IPE 200	S235	116	91	2.9298	-	-	-	-	Maf	Maf
B9[470]	Çelik Kiriş	IPE 200	S235	139	114	2.9298	-	-	-	-	Maf	Maf
MK24[457]	Çelik Makas	IPE 200	S235	384	136	1.1699	-	-	-	-	1144.6	271.2
MK24[465]	Çelik Makas	IPE 200	S235	383	138	1.1699	-	-	-	-	1144.6	271.2
MK2[467]	Çelik Makas	IPE 200	S235	115	92	2.9298	-	-	-	-	Maf	Maf
MK2[458]	Çelik Makas	IPE 200	S235	136	113	2.9298	-	-	-	-	Maf	Maf
MK2[459]	Çelik Makas	IPE 200	S235	113	89	2.9298	-	-	-	-	Maf	Maf
MK24[473]	Çelik Makas	IPE 200	S235	391	131	1.1699	-	-	-	-	1144.6	271.2
MK26[550]	Çelik Makas	IPE 140	S235	662	761	0.78114	-	-	-	-	-	-
MK26[542]	Çelik Makas	IPE 140	S235	665	759	0.78114	-	-	-	-	-	-
MK27[549]	Çelik Makas	IPE 140	S235	783	667	1.382	-	-	-	-	-	-
MK27[557]	Çelik Makas	IPE 140	S235	785	664	1.382	-	-	-	-	-	-
MK2[474]	Çelik Makas	IPE 200	S235	131	108	2.9298	-	-	-	-	Maf	Maf
MK2[475]	Çelik Makas	IPE 200	S235	108	86	2.9298	-	-	-	-	Maf	Maf
MK2[466]	Çelik Makas	IPE 200	S235	138	115	2.9298	-	-	-	-	Maf	Maf
MK4[468]	Çelik Makas	IPE 200	S235	92	157	2.0109	-	-	-	-	Maf	Maf
B15[456]	Çelik Kiriş	IPE 200	S235	88	152	2.6306	-	-	-	-	Maf	Maf
B9[455]	Çelik Kiriş	IPE 200	S235	112	88	2.9298	-	-	-	-	Maf	Maf
B9[454]	Çelik Kiriş	IPE 200	S235	135	112	2.9298	-	-	-	-	Maf	Maf
MK24[449]	Çelik Makas	IPE 200	S235	382	134	1.1699	-	-	-	-	1144.6	271.2
MK2[450]	Çelik Makas	IPE 200	S235	134	111	2.9298	-	-	-	-	Maf	Maf
MK2[451]	Çelik Makas	IPE 200	S235	111	87	2.9298	-	-	-	-	Maf	Maf
MK25[452]	Çelik Makas	IPE 200	S235	87	150	2.6698	-	-	-	-	Maf	Maf
B13[448]	Çelik Kiriş	IPE 200	S235	85	151	2.6262	-	-	-	-	Maf	Maf
B14[444]	Çelik Kiriş	IPE 200	S235	90	156	2.2888	-	-	-	-	Maf	Maf
B4[68]	Çelik Makas	IPE 100	S235	391	663	1.59	-	-	-	-	-	-

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
B8[436]	Çelik Kiriş	IPE 200	S235	84	160	1.6608	-	-	-	-	Maf	Maf
B9[447]	Çelik Kiriş	IPE 200	S235	110	85	2.9298	-	-	-	-	Maf	Maf
B9[442]	Çelik Kiriş	IPE 200	S235	132	107	2.9298	-	-	-	-	Maf	Maf
B9[443]	Çelik Kiriş	IPE 200	S235	107	90	2.9298	-	-	-	-	Maf	Maf
B9[434]	Çelik Kiriş	IPE 200	S235	128	105	2.9298	-	-	-	-	Maf	Maf
B9[435]	Çelik Kiriş	IPE 200	S235	105	84	2.9298	-	-	-	-	Maf	Maf
B9[446]	Çelik Kiriş	IPE 200	S235	133	110	2.9298	-	-	-	-	Maf	Maf
MK10[180]	Çelik Makas	IPE 100	S235	808	710	0.75161	-	-	-	-	-	-
MK10[197]	Çelik Makas	IPE 100	S235	817	688	0.75161	-	-	-	-	-	-
MK10[212]	Çelik Makas	IPE 100	S235	825	669	0.75161	-	-	-	-	-	-
MK10[148]	Çelik Makas	IPE 100	S235	791	744	0.75161	-	-	-	-	-	-
MK10[163]	Çelik Makas	IPE 100	S235	799	726	0.75161	-	-	-	-	-	-
MK11[146]	Çelik Makas	IPE 100	S235	790	743	0.69755	-	-	-	-	-	-
MK11[210]	Çelik Makas	IPE 100	S235	824	676	0.69755	-	-	-	-	-	-
MK11[178]	Çelik Makas	IPE 100	S235	807	707	0.69755	-	-	-	-	-	-
MK11[161]	Çelik Makas	IPE 100	S235	798	724	0.69755	-	-	-	-	-	-
MK11[195]	Çelik Makas	IPE 100	S235	816	694	0.69755	-	-	-	-	-	-
MK12[208]	Çelik Makas	IPE 100	S235	823	674	0.6435	-	-	-	-	-	-
MK12[159]	Çelik Makas	IPE 100	S235	797	729	0.6435	-	-	-	-	-	-
MK12[193]	Çelik Makas	IPE 100	S235	815	692	0.6435	-	-	-	-	-	-
MK12[176]	Çelik Makas	IPE 100	S235	806	706	0.6435	-	-	-	-	-	-
MK12[144]	Çelik Makas	IPE 100	S235	789	747	0.6435	-	-	-	-	-	-
MK22[206]	Çelik Makas	IPE 100	S235	822	673	0.58404	-	-	-	-	-	-
MK23[432]	Çelik Makas	IPE 200	S235	83	158	1.993	-	-	-	-	Maf	Maf
MK14[204]	Çelik Makas	IPE 100	S235	821	672	0.53539	-	-	-	-	-	-
MK24[429]	Çelik Makas	IPE 200	S235	388	127	1.1699	-	-	-	-	1144.6	271.2
MK24[425]	Çelik Makas	IPE 200	S235	390	129	1.1699	-	-	-	-	1144.6	271.2
MK24[437]	Çelik Makas	IPE 200	S235	380	130	1.1699	-	-	-	-	1144.6	271.2
MK15[203]	Çelik Makas	IPE 100	S235	820	690	0.91917	-	-	-	-	-	-
MK22[191]	Çelik Makas	IPE 100	S235	814	687	0.58404	-	-	-	-	-	-
MK13[174]	Çelik Makas	IPE 100	S235	805	704	0.60026	-	-	-	-	-	-
MK14[172]	Çelik Makas	IPE 100	S235	804	705	0.53539	-	-	-	-	-	-
MK14[189]	Çelik Makas	IPE 100	S235	813	686	0.53539	-	-	-	-	-	-
MK15[186]	Çelik Makas	IPE 100	S235	811	712	0.91917	-	-	-	-	-	-
MK15[169]	Çelik Makas	IPE 100	S235	802	728	0.91917	-	-	-	-	-	-
MK22[157]	Çelik Makas	IPE 100	S235	796	723	0.58404	-	-	-	-	-	-
MK14[155]	Çelik Makas	IPE 100	S235	795	722	0.53539	-	-	-	-	-	-
MK22[142]	Çelik Makas	IPE 100	S235	788	742	0.58404	-	-	-	-	-	-
MK14[140]	Çelik Makas	IPE 100	S235	787	741	0.53539	-	-	-	-	-	-
MK2[427]	Çelik Makas	IPE 200	S235	104	81	2.9298	-	-	-	-	Maf	Maf
MK28[87]	Çelik Makas	IPE 100	S235	760	411	1.5	-	-	-	-	-	-
MK2[430]	Çelik Makas	IPE 200	S235	127	106	2.9298	-	-	-	-	Maf	Maf
MK2[431]	Çelik Makas	IPE 200	S235	106	83	2.9298	-	-	-	-	Maf	Maf
MK28[88]	Çelik Makas	IPE 100	S235	762	652	1.5	-	-	-	-	-	-
MK28[94]	Çelik Makas	IPE 100	S235	764	412	1.5	-	-	-	-	-	-
MK28[95]	Çelik Makas	IPE 100	S235	766	648	1.5	-	-	-	-	-	-
MK28[101]	Çelik Makas	IPE 100	S235	768	407	1.5	-	-	-	-	-	-
MK28[102]	Çelik Makas	IPE 100	S235	770	647	1.5	-	-	-	-	-	-

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
MK28[108]	Çelik Makas	IPE 100	S235	772	408	1.5	-	-	-	-	-	-
MK2[438]	Çelik Makas	IPE 200	S235	130	109	2.9298	-	-	-	-	Maf	Maf
MK2[439]	Çelik Makas	IPE 200	S235	109	82	2.9298	-	-	-	-	Maf	Maf
MK28[109]	Çelik Makas	IPE 100	S235	774	649	1.5	-	-	-	-	-	-
MK28[115]	Çelik Makas	IPE 100	S235	776	410	1.5	-	-	-	-	-	-
MK28[116]	Çelik Makas	IPE 100	S235	778	646	1.5	-	-	-	-	-	-
MK28[122]	Çelik Makas	IPE 100	S235	780	409	1.5	-	-	-	-	-	-
MK28[123]	Çelik Makas	IPE 100	S235	782	650	1.5	-	-	-	-	-	-
MK28[129]	Çelik Makas	IPE 100	S235	784	413	1.5	-	-	-	-	-	-
MK28[81]	Çelik Makas	IPE 100	S235	758	651	1.5	-	-	-	-	-	-
MK2[426]	Çelik Makas	IPE 200	S235	129	104	2.9298	-	-	-	-	Maf	Maf
MK30[79]	Çelik Makas	IPE 140	S235	654	740	9.1135	-	-	-	-	-	-
MK17[54]	Çelik Makas	IPE 100	S235	158	423	1.48	-	-	-	-	-	-
MK20[77]	Çelik Makas	IPE 140	S235	657	658	9.7941	-	-	-	-	-	-
MK21[78]	Çelik Makas	IPE 140	S235	655	656	9.621	-	-	-	-	-	-
MK17[71]	Çelik Makas	IPE 100	S235	390	406	1.48	-	-	-	-	-	-
MK17[73]	Çelik Makas	IPE 100	S235	666	644	1.48	-	-	-	-	-	-
MK17[56]	Çelik Makas	IPE 100	S235	380	402	1.48	-	-	-	-	-	-
MK17[58]	Çelik Makas	IPE 100	S235	154	420	1.48	-	-	-	-	-	-
MK17[59]	Çelik Makas	IPE 100	S235	382	403	1.48	-	-	-	-	-	-
MK17[61]	Çelik Makas	IPE 100	S235	150	416	1.48	-	-	-	-	-	-
MK17[62]	Çelik Makas	IPE 100	S235	384	404	1.48	-	-	-	-	-	-
MK17[64]	Çelik Makas	IPE 100	S235	153	419	1.48	-	-	-	-	-	-
MK17[67]	Çelik Makas	IPE 100	S235	157	424	1.48	-	-	-	-	-	-
MK17[53]	Çelik Makas	IPE 100	S235	388	401	1.48	-	-	-	-	-	-
MK18[70]	Çelik Makas	IPE 100	S235	149	415	1.49	-	-	-	-	-	-
MK19[76]	Çelik Makas	IPE 140	S235	659	660	9.6301	-	-	-	-	-	-
MK29[75]	Çelik Makas	IPE 140	S235	668	661	9.1314	-	-	-	-	-	-
MK3[428]	Çelik Makas	IPE 200	S235	81	378	1.1791	-	-	-	-	Maf	Maf
MK5[460]	Çelik Makas	IPE 200	S235	89	153	2.5083	-	-	-	-	Maf	Maf
B16[47]	Çelik Kiriş	IPE 100	S235	394	406	22.4	-	-	-	-	-	-
B2[33]	Çelik Kiriş	IPE 500	S235	126	148	22.4	-	-	-	-	-	-
B2[31]	Çelik Kiriş	IPE 500	S235	80	102	22.4	-	-	-	-	-	-
B2[32]	Çelik Kiriş	IPE 500	S235	103	125	22.4	-	-	-	-	-	-
B3[37]	Çelik Kiriş	IPE 200	S235	379	393	22.4	-	-	-	-	-	-
B5[48]	Çelik Kiriş	IPE 100	S235	394	415	8.5	-	-	-	-	-	-
B5[50]	Çelik Kiriş	IPE 100	S235	645	653	8.5	-	-	-	-	-	-
B6[49]	Çelik Kiriş	IPE 100	S235	415	644	22.652	-	-	-	-	-	-
B7[36]	Çelik Kiriş	IPE 200	S235	149	378	22.64	-	-	-	-	-	-
MK6[440]	Çelik Makas	IPE 200	S235	82	154	2.4994	-	-	-	-	Maf	Maf
MK8[184]	Çelik Makas	IPE 100	S235	810	711	0.86512	-	-	-	-	-	-
MK8[201]	Çelik Makas	IPE 100	S235	819	691	0.86512	-	-	-	-	-	-
MK8[152]	Çelik Makas	IPE 100	S235	793	748	0.86512	-	-	-	-	-	-
MK8[167]	Çelik Makas	IPE 100	S235	801	730	0.86512	-	-	-	-	-	-
MK8[216]	Çelik Makas	IPE 100	S235	827	671	0.86512	-	-	-	-	-	-
MK9[150]	Çelik Makas	IPE 100	S235	792	745	0.80566	-	-	-	-	-	-
MK9[182]	Çelik Makas	IPE 100	S235	809	708	0.80566	-	-	-	-	-	-
MK9[165]	Çelik Makas	IPE 100	S235	800	727	0.80566	-	-	-	-	-	-

İsim	Tip	Kesit	Malz	i	j	L-m	U1	U2	U3	R1	R2	R3
MK9[214]	Çelik Makas	IPE 100	S235	826	675	0.80566	-	-	-	-	-	-
MK9[199]	Çelik Makas	IPE 100	S235	818	689	0.80566	-	-	-	-	-	-
S1[1]	Çelik Kolon	HE 200 B	S235	0	4	5.96	-	-	-	-	-	-
S1[2]	Çelik Kolon	HE 200 B	S235	5	9	5.96	-	-	-	-	-	-
S1[3]	Çelik Kolon	HE 200 B	S235	10	14	5.96	-	-	-	-	-	-
S1[4]	Çelik Kolon	HE 200 B	S235	15	19	5.96	-	-	-	-	-	-
S1[5]	Çelik Kolon	HE 200 B	S235	20	24	5.96	-	-	-	-	-	-
S1[6]	Çelik Kolon	HE 200 B	S235	25	29	5.96	-	-	-	-	-	-
S1[16]	Çelik Kolon	HE 200 B	S235	30	34	5.96	-	-	-	-	-	-
S1[17]	Çelik Kolon	HE 200 B	S235	35	39	5.96	-	-	-	-	-	-
S1[27]	Çelik Kolon	HE 200 B	S235	40	44	5.96	-	-	-	-	-	-
S1[28]	Çelik Kolon	HE 200 B	S235	45	49	5.96	-	-	-	-	-	-
S1[29]	Çelik Kolon	HE 200 B	S235	50	54	5.96	-	-	-	-	-	-
S1[30]	Çelik Kolon	HE 200 B	S235	55	59	5.96	-	-	-	-	-	-
S2[914]	Çelik Kolon	R60x5	S235	60	65	3.48	-	-	-	-	27.443	95.369
S2[915]	Çelik Kolon	R60x5	S235	66	69	3.48	-	-	-	-	27.443	95.369
S2[916]	Çelik Kolon	R60x5	S235	70	75	3.48	-	-	-	-	27.443	95.369
S2[917]	Çelik Kolon	R60x5	S235	76	79	3.48	-	-	-	-	27.443	95.369

1.9. Temel Bilgisi

1.9.1. Sürekli Temel

İsim	L-m	B	h(Döşeme)	h(Döşeme+Soket)
T5	7.1	1000	1000	1000
T10	7.1	1000	1000	1000
T6	4.1	300	1150	1150
T9	4.1	300	1150	1150
T7	2.8	300	1150	1150
T8	2.8	300	1150	1150
T1	8	300	300	500
T3	8	300	300	500
T2	8	300	300	500
T4	8	300	300	500

1.10. Yük Bilgisi Yapı

1.10.1. Yük parametreleri

Rüzgar yükseklik 1	**8m**
Rüzgar basınç 1	**0.10197TonF/m²**
Rüzgar yükseklik 2	**20m**
Rüzgar basınç 2	**0.16315TonF/m²**
Rüzgar yükseklik 3	**100m**
Rüzgar basınç 3	**0.22434TonF/m²**
Kar yükü	**0.076479TonF/m²**

1.10.2. Yükleme Durumları

Tablo: Yapıya uygulanan yükleme bilgileri

Yükleme	Tip	Ağırlık Ç.	Çekme İtr.	Sonradan tanımlı	Diğer
Ölü Yük	LoadCaseStatic	1	E	H	
Hareketli Yük	LoadCaseStatic	0	E	H	
Isı Yükü+	LoadCaseStatic	0	E	H	
Isı Yükü-	LoadCaseStatic	0	E	H	
Rüzgar Yükü X	LoadCaseStatic	0	E	H	
Rüzgar Yükü -X	LoadCaseStatic	0	E	H	
Rüzgar Yükü Y	LoadCaseStatic	0	E	H	
Rüzgar Yükü -Y	LoadCaseStatic	0	E	H	
Kar Yükü	LoadCaseStatic	0	E	H	
Modal Tüm Yapı	LoadCaseModal	-	-	E	K.K. talep: 0.9
Modal Düşey	LoadCaseModal	-	-	E	K.K. talep: 0.9
Ölü Yük'	LoadCaseStatic	1	E	E	
Hareketli Yük'	LoadCaseStatic	0	E	E	
Kar Yükü'	LoadCaseStatic	0	E	E	
Eşdeğer deprem X	LoadCaseStatic	0	E	E	
Eşdeğer deprem Y	LoadCaseStatic	0	E	E	
Deprem X	LoadCaseResponseSpectrum	-	-	E	
Deprem Y	LoadCaseResponseSpectrum	-	-	E	
Deprem X+%5	LoadCaseResponseSpectrum	-	-	E	
Deprem X-%5	LoadCaseResponseSpectrum	-	-	E	
Deprem Y+%5	LoadCaseResponseSpectrum	-	-	E	
Deprem Y-%5	LoadCaseResponseSpectrum	-	-	E	
Deprem Z static	LoadCaseStatic	1	E	E	
Deprem Z	LoadCaseResponseSpectrum	-	-	E	
İmperfection mode 0 1,4G	LoadCaseStatic	0	E	E	
İmperfection mode 1 1,4G	LoadCaseStatic	0	E	E	
İmperfection mode 2 1,4G	LoadCaseStatic	0	E	E	
İmperfection mode 3 1,4G	LoadCaseStatic	0	E	E	
İmperfection mode 0 1,2G+1,6S	LoadCaseStatic	0	E	E	
İmperfection mode 1 1,2G+1,6S	LoadCaseStatic	0	E	E	
İmperfection mode 2 1,2G+1,6S	LoadCaseStatic	0	E	E	
İmperfection mode 3 1,2G+1,6S	LoadCaseStatic	0	E	E	
İmperfection mode 0 1,2G+1,6Q+0,5S	LoadCaseStatic	0	E	E	
İmperfection mode 1 1,2G+1,6Q+0,5S	LoadCaseStatic	0	E	E	
İmperfection mode 2 1,2G+1,6Q+0,5S	LoadCaseStatic	0	E	E	
İmperfection mode 3 1,2G+1,6Q+0,5S	LoadCaseStatic	0	E	E	
İmperfection mode 0 1,2G+1,6S+Q	LoadCaseStatic	0	E	E	
İmperfection mode 1 1,2G+1,6S+Q	LoadCaseStatic	0	E	E	
İmperfection mode 2 1,2G+1,6S+Q	LoadCaseStatic	0	E	E	
İmperfection mode 3 1,2G+1,6S+Q	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ2	LoadCaseStatic	0	E	E	
Δ3	LoadCaseStatic	0	E	E	
Δ4	LoadCaseStatic	0	E	E	

Yükleme	Tip	Ağırlık Ç.	Çekme İtr.	Sonradan tanımlı	Diğer
Δ1	LoadCaseStatic	0	E	E	
Δ2	LoadCaseStatic	0	E	E	
Δ3	LoadCaseStatic	0	E	E	
Δ4	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ2	LoadCaseStatic	0	E	E	
Δ3	LoadCaseStatic	0	E	E	
Δ4	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ2	LoadCaseStatic	0	E	E	
Δ3	LoadCaseStatic	0	E	E	
Δ4	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	

Yükleme	Tip	Ağırlık Ç.	Çekme İtr.	Sonradan tanımlı	Diğer
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	
Δ1	LoadCaseStatic	0	E	E	

1.10.3. Kaplama Yükleri-Çatı

Yüzey	G-TonF/m²	Q		Yüzey	G	Q		Yüzey	G	Q
E1	0.020394	0								

1.11. Çubuk statik sonuçları

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
A1	Ölü Yük	-0.030958	0.0022376	-0.041378	3.4262E-05	0.00024285	4.0738E-05
329		-0.030953	-0.0022114	0.041032	3.4262E-05	-0.00010519	7.9508E-06
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 9.759	Rüzgar Yükü X	0.011452	2.4921E-07	0.04333	-7.8158E-06	-0.00015037	-1.0395E-06
Yj: 9.759		0.011452	2.4921E-07	-0.042917	-7.8158E-06	1.8478E-05	-1.9716E-06
Zi: 6.703	Rüzgar Yükü Y	0.011452	2.4921E-07	0.04333	-7.8158E-06	-0.00015037	-1.0395E-06
Zj: 6.703		0.011452	2.4921E-07	-0.042917	-7.8158E-06	1.8478E-05	-1.9716E-06
	Kar Yükü	-0.02236	0.0043548	-0.080675	1.2684E-05	0.00028364	6.2124E-05
		-0.022345	-0.004304	0.079902	1.2684E-05	-3.6089E-05	2.7995E-05
	Deprem X	0.0082209	-0.00020949	5.4608E-05	1.6989E-06	-9.9319E-05	-0.00039156
		0.0082209	-0.00020949	5.4608E-05	1.6989E-06	0.00010503	0.00039195
	Deprem Y	-0.0020507	3.9398E-05	2.4647E-06	-4.8517E-06	-2.6418E-06	7.2044E-05
		-0.0020507	3.9398E-05	2.4647E-06	-4.8517E-06	7.2485E-06	-7.5307E-05
A1	Ölü Yük	0.0026418	0.003423	-0.06331	2.5864E-05	0.00019758	4.3031E-05
330		0.0026453	-0.003396	0.062867	2.5864E-05	-2.1961E-05	2.5477E-05
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0067026	2.4893E-06	0.086959	-5.0526E-06	-0.00017034	4.2989E-06
Yj: 8.7705		-0.0067026	2.4893E-06	-0.086256	-5.0526E-06	-7.033E-05	-5.0111E-06
Zi: 6.7567	Rüzgar Yükü Y	-0.0067026	2.4893E-06	0.086959	-5.0526E-06	-0.00017034	4.2989E-06
Zj: 6.7567		-0.0067026	2.4893E-06	-0.086256	-5.0526E-06	-7.033E-05	-5.0111E-06
	Kar Yükü	0.010976	0.0088048	-0.16289	8.2267E-06	0.00032347	9.6526E-05
		0.010989	-0.0087288	0.16157	8.2267E-06	0.00013146	7.7356E-05
	Deprem X	0.026547	-0.00021754	0.00027799	6.6521E-07	-0.00051967	-0.00040671
		0.026547	-0.00021754	0.00027799	6.6521E-07	0.00052003	0.0004069
	Deprem Y	-0.0085165	4.0558E-05	-2.2674E-06	1.0484E-06	1.2725E-05	7.5999E-05
		-0.0085165	4.0558E-05	-2.2674E-06	1.0484E-06	4.4361E-06	-7.569E-05
A1	Ölü Yük	0.0059214	0.0036575	-0.067643	2.1045E-05	0.00018635	3.8534E-05
331		0.0059183	-0.0036352	0.067185	2.1045E-05	-2.9081E-06	3.2938E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0083415	4.1278E-06	0.096151	-4.2786E-06	-0.00017483	7.8345E-06
Yj: 7.5223		-0.0083415	4.1278E-06	-0.095388	-4.2786E-06	-9.1245E-05	-7.6035E-06
Zi: 6.8242	Rüzgar Yükü Y	-0.0083415	4.1278E-06	0.096151	-4.2786E-06	-0.00017483	7.8345E-06
Zj: 6.8242		-0.0083415	4.1278E-06	-0.095388	-4.2786E-06	-9.1245E-05	-7.6035E-06
	Kar Yükü	0.014675	0.0096918	-0.17914	5.6583E-06	0.00032715	9.8701E-05
		0.014663	-0.0096153	0.17772	5.6583E-06	0.00016986	9.0983E-05
	Deprem X	0.019575	-0.00019497	0.00052842	2.9492E-07	-0.00098876	-0.00036458
		0.019575	-0.00019497	0.00052842	2.9492E-07	0.00098752	0.0003646
	Deprem Y	-0.0046346	4.0849E-05	8.8055E-07	-3.4003E-06	8.2926E-07	7.6917E-05
		-0.0046346	4.0849E-05	8.8055E-07	-3.4003E-06	3.9175E-06	-7.586E-05
A1	Ölü Yük	0.0020227	0.0037432	-0.069241	2.135E-05	0.00020722	3.796E-05
332		0.0020177	-0.0037216	0.068753	2.135E-05	-1.5647E-05	3.4974E-05
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.0046319	4.3974E-06	0.099353	-3.3556E-06	-0.00018693	8.3185E-06
Yj: 6.2741		-0.0046319	4.3974E-06	-0.098559	-3.3556E-06	-9.0457E-05	-8.1276E-06
Zi: 6.8916	Rüzgar Yükü Y	-0.0046319	4.3974E-06	0.099353	-3.3556E-06	-0.00018693	8.3185E-06
Zj: 6.8916		-0.0046319	4.3974E-06	-0.098559	-3.3556E-06	-9.0457E-05	-8.1276E-06
	Kar Yükü	0.0084058	0.010015	-0.1851	4.4211E-06	0.0003482	0.0001006
		0.0083869	-0.0099371	0.18362	4.4211E-06	0.00016883	9.5239E-05
	Deprem X	0.013237	-0.00013363	0.00073276	1.3205E-07	-0.0013709	-0.00024992
		0.013237	-0.00013363	0.00073276	1.3205E-07	0.0013696	0.00024985
	Deprem Y	-0.0020736	4.0455E-05	2.9758E-06	-1.8045E-06	-6.1616E-06	7.5641E-05
		-0.0020736	4.0455E-05	2.9758E-06	-1.8045E-06	4.9684E-06	-7.5661E-05
A1	Ölü Yük	-0.0049726	0.0036513	-0.067569	2.3373E-05	0.00021139	3.9025E-05
333		-0.0049707	-0.0036285	0.067086	2.3373E-05	-2.3665E-05	3.2443E-05
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0030907	3.8719E-06	0.09668	-1.6186E-06	-0.0001833	7.224E-06
Yj: 4.946		0.0030907	3.8719E-06	-0.095906	-1.6186E-06	-8.6637E-05	-7.257E-06
Zi: 6.9631	Rüzgar Yükü Y	0.0030907	3.8719E-06	0.09668	-1.6186E-06	-0.0001833	7.224E-06
Zj: 6.9631		0.0030907	3.8719E-06	-0.095906	-1.6186E-06	-8.6637E-05	-7.257E-06
	Kar Yükü	-0.0076706	0.0096678	-0.17882	1.3868E-06	0.00033923	9.9173E-05
		-0.0076632	-0.0095909	0.17739	1.3868E-06	0.00016067	9.0269E-05
	Deprem X	0.02379	5.5429E-05	0.00074869	8.093E-08	-0.001399	0.0001035
		0.02379	5.5429E-05	0.00074869	8.093E-08	0.0014011	-0.0001038
	Deprem Y	-0.0077879	4.0348E-05	2.5576E-06	-1.3752E-06	-5.0747E-06	7.5352E-05
		-0.0077879	4.0348E-05	2.5576E-06	-1.3752E-06	4.4912E-06	-7.5551E-05
A1	Ölü Yük	-0.0022459	0.0035802	-0.066214	2.4481E-05	0.00021866	3.7707E-05
334		-0.0022453	-0.0035592	0.065731	2.4481E-05	-3.6717E-05	3.3511E-05
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0032431	4.0906E-06	0.09295	-1.7206E-06	-0.00017861	7.368E-06
Yj: 3.7778		-0.0032431	4.0906E-06	-0.092203	-1.7206E-06	-7.9635E-05	-7.9309E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 7.0266	Rüzgar Yükü Y	-0.0032431	4.0906E-06	0.09295	-1.7206E-06	-0.00017861	7.368E-06
Zj: 7.0266		-0.0032431	4.0906E-06	-0.092203	-1.7206E-06	-7.9635E-05	-7.9309E-06
	Kar Yükü	0.0069648	0.0094037	-0.17373	1.1557E-06	0.00033391	9.6104E-05
		0.006967	-0.0093296	0.17233	1.1557E-06	0.00015063	8.8798E-05
	Deprem X	0.01063	0.00017731	0.00055308	1.8188E-07	-0.0010323	0.00033269
		0.01063	0.00017731	0.00055308	1.8188E-07	0.0010363	-0.00033044
	Deprem Y	0.0042362	4.0298E-05	1.0945E-06	-2.728E-06	9.4293E-07	7.4548E-05
		0.0042362	4.0298E-05	1.0945E-06	-2.728E-06	4.5927E-06	-7.6168E-05
A1	Ölü Yük	0.0075879	0.0033674	-0.062222	3.4282E-06	0.00017984	4.6333E-05
335		0.0075866	-0.0033397	0.061783	3.4282E-06	-4.8511E-05	2.6649E-05
Xi: 3.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.0077025	2.8106E-06	0.084966	6.8625E-06	-0.00015264	3.9238E-06
Yj: 2.5296		-0.0077025	2.8106E-06	-0.084286	6.8625E-06	-6.7129E-05	-6.5878E-06
Zi: 7.0941	Rüzgar Yükü Y	-0.0077025	2.8106E-06	0.084966	6.8625E-06	-0.00015264	3.9238E-06
Zj: 7.0941		-0.0077025	2.8106E-06	-0.084286	6.8625E-06	-6.7129E-05	-6.5878E-06
	Kar Yükü	0.019424	0.0085937	-0.1588	-1.3706E-05	0.00028948	9.4714E-05
		0.019419	-0.0085205	0.15753	-1.3706E-05	0.00013076	7.774E-05
	Deprem X	0.02757	0.00021082	0.00026207	1.4565E-06	-0.0005177	0.00040129
		0.02757	0.00021082	0.00026207	1.4565E-06	0.00046578	-0.00038717
	Deprem Y	0.023523	4.1158E-05	-7.4879E-07	1.3038E-06	1.6776E-05	7.5428E-05
		0.023523	4.1158E-05	-7.4879E-07	1.3038E-06	1.7249E-05	-7.8503E-05
A1	Ölü Yük	-0.038686	0.0021883	-0.04053	8.0326E-06	0.00016209	3.4891E-05
337		-0.038686	-0.0021543	0.039962	8.0326E-06	2.2458E-05	2.0955E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 9.759	Rüzgar Yükü X	0.015312	-2.622E-06	0.041532	-6.1761E-07	-0.0001094	-8.0744E-06
Yj: 9.759		0.015312	-2.622E-06	-0.040509	-6.1761E-07	-4.1963E-05	1.7319E-06
Zi: 6.703	Rüzgar Yükü Y	0.015312	-2.622E-06	0.041532	-6.1761E-07	-0.0001094	-8.0744E-06
Zj: 6.703		0.015312	-2.622E-06	-0.040509	-6.1761E-07	-4.1963E-05	1.7319E-06
	Kar Yükü	-0.02953	0.0041838	-0.077654	9.5725E-08	0.00020558	5.4441E-05
		-0.02953	-0.0040763	0.07574	9.5725E-08	7.763E-05	3.9347E-05
	Deprem X	0.0040573	-0.00020932	5.9505E-05	-1.2843E-06	-0.00011021	-0.00039088
		0.0040573	-0.00020932	5.9505E-05	-1.2843E-06	0.00011235	0.00039198
	Deprem Y	-0.0013803	-4.6917E-06	7.2107E-07	-1.9962E-06	-3.5508E-06	-9.2094E-06
		-0.0013803	-4.6917E-06	7.2107E-07	-1.9962E-06	-9.194E-07	8.3395E-06
A1	Ölü Yük	-0.00024492	0.0034236	-0.063153	8.0339E-06	0.00013546	4.088E-05
338		-0.00024682	-0.0034009	0.062778	8.0339E-06	4.0167E-05	3.1454E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0053353	-1.9665E-06	0.086857	-6.0859E-07	-0.00014372	-4.9586E-06
Yj: 8.7705		-0.0053353	-1.9665E-06	-0.086184	-6.0859E-07	-9.9577E-05	2.396E-06
Zi: 6.7567	Rüzgar Yükü Y	-0.0053353	-1.9665E-06	0.086857	-6.0859E-07	-0.00014372	-4.9586E-06
Zj: 6.7567		-0.0053353	-1.9665E-06	-0.086184	-6.0859E-07	-9.9577E-05	2.396E-06
	Kar Yükü	0.0083925	0.0088127	-0.1624	7.3125E-07	0.00026934	9.3953E-05
		0.0083854	-0.0087413	0.16114	7.3125E-07	0.00018549	8.3493E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.0092244	-0.00021728	0.00027626	-1.175E-06	-0.00052366	-0.00040466
		0.0092244	-0.00021728	0.00027626	-1.175E-06	0.00050958	0.00040796
	Deprem Y	-0.0085399	-4.6265E-06	2.9519E-07	6.2546E-07	-6.549E-07	-8.7814E-06
		-0.0085399	-4.6265E-06	2.9519E-07	6.2546E-07	-5.4417E-07	8.5218E-06
A1	Ölü Yük	0.0053861	0.0036591	-0.067695	8.1533E-06	0.00012405	3.7832E-05
339		0.005386	-0.0036375	0.067295	8.1533E-06	4.3989E-05	3.3707E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0081308	-1.2307E-06	0.096124	-2.0044E-06	-0.00014763	-2.2599E-06
Yj: 7.5223		-0.0081308	-1.2307E-06	-0.095387	-2.0044E-06	-0.00011202	2.3429E-06
Zi: 6.8242	Rüzgar Yükü Y	-0.0081308	-1.2307E-06	0.096124	-2.0044E-06	-0.00014763	-2.2599E-06
Zj: 6.8242		-0.0081308	-1.2307E-06	-0.095387	-2.0044E-06	-0.00011202	2.3429E-06
	Kar Yükü	0.014252	0.0096986	-0.17942	2.9977E-06	0.00027598	9.752E-05
		0.014252	-0.0096233	0.17804	2.9977E-06	0.00020865	9.2346E-05
	Deprem X	0.0053077	-0.00019274	0.00051837	-1.0028E-06	-0.00099086	-0.00036067
		0.0053077	-0.00019274	0.00051837	-1.0028E-06	0.00094807	0.00036019
	Deprem Y	-0.0046807	-4.6234E-06	-2.8023E-07	-1.0331E-06	5.9286E-07	-8.651E-06
		-0.0046807	-4.6234E-06	-2.8023E-07	-1.0331E-06	-5.0105E-07	8.6406E-06
A1	Ölü Yük	0.00060777	0.00374	-0.069122	9.0774E-06	0.00013738	3.7343E-05
340		0.00060975	-0.0037187	0.068704	9.0774E-06	4.4384E-05	3.4873E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.004033	-1.0307E-06	0.099133	-1.3085E-06	-0.00015635	-1.6638E-06
Yj: 6.2741		-0.004033	-1.0307E-06	-0.09837	-1.3085E-06	-0.00011633	2.1909E-06
Zi: 6.8916	Rüzgar Yükü Y	-0.004033	-1.0307E-06	0.099133	-1.3085E-06	-0.00015635	-1.6638E-06
Zj: 6.8916		-0.004033	-1.0307E-06	-0.09837	-1.3085E-06	-0.00011633	2.1909E-06
	Kar Yükü	0.0072641	0.010003	-0.18475	1.463E-06	0.0002918	9.9314E-05
		0.0072715	-0.0099261	0.18333	1.463E-06	0.00021643	9.5719E-05
	Deprem X	0.0049969	-0.00013118	0.00073433	-1.0808E-06	-0.001373	-0.00024547
		0.0049969	-0.00013118	0.00073433	-1.0808E-06	0.0013734	0.00024516
	Deprem Y	-0.0020624	-4.6749E-06	2.708E-07	-1.2283E-06	-4.2301E-07	-8.7653E-06
		-0.0020624	-4.6749E-06	2.708E-07	-1.2283E-06	6.205E-07	8.7188E-06
A1	Ölü Yük	-0.0064671	0.0036606	-0.067999	9.2692E-06	0.00013682	3.8147E-05
341		-0.0064728	-0.003639	0.067587	9.2692E-06	4.0102E-05	3.4093E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0036834	-1.2405E-06	0.096144	-6.1453E-07	-0.00015182	-2.4216E-06
Yj: 4.946		0.0036834	-1.2405E-06	-0.095404	-6.1453E-07	-0.00011227	2.2178E-06
Zi: 6.9631	Rüzgar Yükü Y	0.0036834	-1.2405E-06	0.096144	-6.1453E-07	-0.00015182	-2.4216E-06
Zj: 6.9631		0.0036834	-1.2405E-06	-0.095404	-6.1453E-07	-0.00011227	2.2178E-06
	Kar Yükü	-0.0088334	0.009704	-0.18054	4.4606E-07	0.00028475	9.7739E-05
		-0.0088549	-0.0096289	0.17915	4.4606E-07	0.00021086	9.28E-05
	Deprem X	0.0075324	5.5362E-05	0.00075151	-1.2793E-06	-0.0014045	0.00010382
		0.0075324	5.5362E-05	0.00075151	-1.2793E-06	0.0014062	-0.00010324
	Deprem Y	-0.0078988	-4.6994E-06	-1.3943E-07	-4.6447E-07	3.8185E-07	-8.8634E-06
		-0.0078988	-4.6994E-06	-1.3943E-07	-4.6447E-07	3.8859E-07	8.7124E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
A1	Ölü Yük	-0.0042747	0.0035756	-0.065962	9.5088E-06	0.0001406	3.5529E-05
342		-0.0042654	-0.0035556	0.06556	9.5088E-06	3.4544E-05	3.3151E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0025164	-1.0427E-06	0.092051	-6.7678E-07	-0.00014756	-1.692E-06
Yj: 3.7778		-0.0025164	-1.0427E-06	-0.091342	-6.7678E-07	-0.00010671	2.2076E-06
Zi: 7.0266	Rüzgar Yükü Y	-0.0025164	-1.0427E-06	0.092051	-6.7678E-07	-0.00014756	-1.692E-06
Zj: 7.0266		-0.0025164	-1.0427E-06	-0.091342	-6.7678E-07	-0.00010671	2.2076E-06
	Kar Yükü	0.0055981	0.0093872	-0.1729	2.8635E-07	0.00027671	9.3426E-05
		0.0056331	-0.009315	0.17157	2.8635E-07	0.00020037	8.9655E-05
	Deprem X	0.0034907	0.00017858	0.00055458	-1.3298E-06	-0.0010399	0.00033414
		0.0034907	0.00017858	0.00055458	-1.3298E-06	0.0010343	-0.00033376
	Deprem Y	0.0041415	-4.5028E-06	-1.2196E-07	-1.3852E-06	6.3895E-07	-8.2665E-06
		0.0041415	-4.5028E-06	-1.2196E-07	-1.3852E-06	5.4065E-07	8.574E-06
A1	Ölü Yük	0.0059857	0.0033626	-0.062172	6.2587E-06	0.00013924	3.7489E-05
343		0.0059794	-0.003342	0.061795	6.2587E-06	2.6551E-05	3.0898E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.006957	-1.3024E-06	0.084566	2.761E-07	-0.00013915	-2.7232E-06
Yj: 2.5296		-0.006957	-1.3024E-06	-0.083911	2.761E-07	-9.6169E-05	2.1479E-06
Zi: 7.0941	Rüzgar Yükü Y	-0.006957	-1.3024E-06	0.084566	2.761E-07	-0.00013915	-2.7232E-06
Zj: 7.0941		-0.006957	-1.3024E-06	-0.083911	2.761E-07	-9.6169E-05	2.1479E-06
	Kar Yükü	0.018409	0.0085863	-0.15871	-8.3283E-07	0.00025746	8.811E-05
		0.018385	-0.0085187	0.15748	-8.3283E-07	0.00018066	8.1752E-05
	Deprem X	0.0091059	0.00021018	0.00025175	-1.3239E-06	-0.00046989	0.00039103
		0.0091059	0.00021018	0.00025175	-1.3239E-06	0.00047173	-0.00039502
	Deprem Y	0.025002	-3.8711E-06	3.3095E-06	8.8646E-07	-1.1847E-05	-6.0608E-06
		0.025002	-3.8711E-06	3.3095E-06	8.8646E-07	6.1732E-07	8.438E-06
A1	Ölü Yük	0.0085999	0.0020787	-0.038396	5.5601E-06	6.8506E-05	2.9835E-05
344		0.0085945	-0.0020486	0.037913	5.5601E-06	-8.0577E-06	1.8365E-05
Xi: 7.505m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 1.581	Rüzgar Yükü X	0.021217	-1.6689E-06	0.037287	4.3648E-07	-6.1003E-05	-4.2064E-06
Yj: 1.581		0.021217	-1.6689E-06	-0.036384	4.3648E-07	-3.0035E-05	2.0352E-06
Zi: 7.1453	Rüzgar Yükü Y	0.021217	-1.6689E-06	0.037287	4.3648E-07	-6.1003E-05	-4.2064E-06
Zj: 7.1453		0.021217	-1.6689E-06	-0.036384	4.3648E-07	-3.0035E-05	2.0352E-06
	Kar Yükü	0.017846	0.0037742	-0.069707	-1.651E-06	0.00010837	4.3564E-05
		0.017826	-0.0036797	0.068022	-1.651E-06	5.6976E-05	3.4628E-05
	Deprem X	0.026973	0.00012928	-8.337E-05	-1.3479E-06	0.00018554	0.00023613
		0.026973	0.00012928	-8.337E-05	-1.3479E-06	-0.00012849	-0.00024737
	Deprem Y	0.24826	-3.9271E-06	6.3731E-06	-1.4058E-06	-2.1509E-05	-6.6896E-06
		0.24826	-3.9271E-06	6.3731E-06	-1.4058E-06	2.6968E-06	8.0066E-06
A1	Ölü Yük	-0.035838	0.002271	-0.042313	-8.7332E-06	5.6701E-06	1.9158E-05
345		-0.035838	-0.0022814	0.042409	-8.7332E-06	0.00018377	3.8624E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 9.759	Rüzgar Yükü X	0.014145	3.2092E-06	0.045238	9.2254E-07	-3.8481E-05	2.7835E-06
Yj: 9.759		0.014145	3.2092E-06	-0.045283	9.2254E-07	-0.0001234	-9.2188E-06
Zi: 6.703	Rüzgar Yükü Y	0.014145	3.2092E-06	0.045238	9.2254E-07	-3.8481E-05	2.7835E-06
Zj: 6.703		0.014145	3.2092E-06	-0.045283	9.2254E-07	-0.0001234	-9.2188E-06
	Kar Yükü	-0.027311	0.0045182	-0.084574	-6.4373E-07	7.0862E-05	4.1378E-05
		-0.027309	-0.0045281	0.08466	-6.4373E-07	0.00023205	5.997E-05
	Deprem X	0.0012252	-0.00020936	5.9288E-05	-1.2341E-06	-0.00011226	-0.00039205
		0.0012252	-0.00020936	5.9288E-05	-1.2341E-06	0.00010949	0.00039094
	Deprem Y	-0.0014043	5.0243E-06	-6.9572E-07	2.2037E-06	-1.0476E-06	8.9344E-06
		-0.0014043	5.0243E-06	-6.9572E-07	2.2037E-06	-3.4137E-06	-9.8577E-06
A1	Ölü Yük	-0.00051848	0.0034259	-0.063232	-8.5106E-06	4.4748E-05	3.2073E-05
346		-0.0005164	-0.0034126	0.062954	-8.5106E-06	0.00013098	4.0298E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0052041	1.7678E-06	0.087097	8.1096E-07	-0.00010232	2.0737E-06
Yj: 8.7705		-0.0052041	1.7678E-06	-0.086466	8.1096E-07	-0.00014102	-4.5378E-06
Zi: 6.7567	Rüzgar Yükü Y	-0.0052041	1.7678E-06	0.087097	8.1096E-07	-0.00010232	2.0737E-06
Zj: 6.7567		-0.0052041	1.7678E-06	-0.086466	8.1096E-07	-0.00014102	-4.5378E-06
	Kar Yükü	0.0081376	0.0088339	-0.16284	-1.0638E-06	0.00019051	8.4667E-05
		0.0081454	-0.0087724	0.16166	-1.0638E-06	0.00026435	9.3145E-05
	Deprem X	-0.010356	-0.00021731	0.00027621	-1.1482E-06	-0.00050951	-0.00040802
		-0.010356	-0.00021731	0.00027621	-1.1482E-06	0.00052357	0.00040471
	Deprem Y	-0.0085337	4.8104E-06	6.2832E-07	-6.8512E-07	-1.2811E-06	8.866E-06
		-0.0085337	4.8104E-06	6.2832E-07	-6.8512E-07	1.077E-06	-9.125E-06
A1	Ölü Yük	0.0052137	0.0036589	-0.067773	-8.5973E-06	4.8275E-05	3.4485E-05
347		0.005222	-0.003641	0.067452	-8.5973E-06	0.00012051	3.7072E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0080381	1.048E-06	0.096018	2.141E-06	-0.00011455	2.0199E-06
Yj: 7.5223		-0.0080381	1.048E-06	-0.095316	2.141E-06	-0.00014495	-1.8996E-06
Zi: 6.8242	Rüzgar Yükü Y	-0.0080381	1.048E-06	0.096018	2.141E-06	-0.00011455	2.0199E-06
Zj: 6.8242		-0.0080381	1.048E-06	-0.095316	2.141E-06	-0.00014495	-1.8996E-06
	Kar Yükü	0.014068	0.0097024	-0.17983	-3.1722E-06	0.00021385	9.318E-05
		0.014099	-0.0096318	0.17852	-3.1722E-06	0.00027177	9.6757E-05
	Deprem X	-0.0065531	-0.00019277	0.00051839	-9.6994E-07	-0.00094801	-0.00036024
		-0.0065531	-0.00019277	0.00051839	-9.6994E-07	0.00099098	0.0003607
	Deprem Y	-0.0046759	4.6091E-06	8.2027E-07	1.2121E-06	-1.3404E-06	8.6207E-06
		-0.0046759	4.6091E-06	8.2027E-07	1.2121E-06	1.7277E-06	-8.6172E-06
A1	Ölü Yük	0.00059921	0.0037409	-0.069121	-9.5027E-06	4.5441E-05	3.496E-05
348		0.00059209	-0.0037222	0.068801	-9.5027E-06	0.00013661	3.7335E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.0040271	1.0604E-06	0.098892	1.373E-06	-0.00011723	2.2286E-06
Yj: 6.2741		-0.0040271	1.0604E-06	-0.098173	1.373E-06	-0.0001549	-1.7372E-06
Zi: 6.8916	Rüzgar Yükü Y	-0.0040271	1.0604E-06	0.098892	1.373E-06	-0.00011723	2.2286E-06
Zj: 6.8916		-0.0040271	1.0604E-06	-0.098173	1.373E-06	-0.0001549	-1.7372E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	0.0072407	0.010009	-0.18489	-1.5693E-06	0.000219	9.5679E-05
		0.007214	-0.0099362	0.18355	-1.5693E-06	0.00028955	9.9536E-05
	Deprem X	-0.006125	-0.00013118	0.00073436	-1.0514E-06	-0.0013734	-0.00024517
		-0.006125	-0.00013118	0.00073436	-1.0514E-06	0.0013731	0.00024547
	Deprem Y	-0.002052	4.5773E-06	5.101E-07	1.3259E-06	-8.1258E-07	8.5356E-06
		-0.002052	4.5773E-06	5.101E-07	1.3259E-06	1.0985E-06	-8.5834E-06
A1	Ölü Yük	-0.0064435	0.0036638	-0.068139	-9.7491E-06	4.0236E-05	3.418E-05
349		-0.0064402	-0.0036465	0.067829	-9.7491E-06	0.00013725	3.8157E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0036814	1.2865E-06	0.096722	6.2778E-07	-0.00011358	2.2757E-06
Yj: 4.946		0.0036814	1.2865E-06	-0.096019	6.2778E-07	-0.00015171	-2.5357E-06
Zi: 6.9631	Rüzgar Yükü Y	0.0036814	1.2865E-06	0.096722	6.2778E-07	-0.00011358	2.2757E-06
Zj: 6.9631		0.0036814	1.2865E-06	-0.096019	6.2778E-07	-0.00015171	-2.5357E-06
	Kar Yükü	-0.008848	0.0097215	-0.18122	-4.6546E-07	0.00021292	9.2731E-05
		-0.0088355	-0.0096518	0.1799	-4.6546E-07	0.00028438	9.8185E-05
	Deprem X	-0.0091638	5.5337E-05	0.00075151	-1.2523E-06	-0.0014061	0.0001032
		-0.0091638	5.5337E-05	0.00075151	-1.2523E-06	0.0014045	-0.00010376
	Deprem Y	-0.0078767	4.6246E-06	7.5253E-07	5.8896E-07	-1.1158E-06	8.5679E-06
		-0.0078767	4.6246E-06	7.5253E-07	5.8896E-07	1.7041E-06	-8.728E-06
A1	Ölü Yük	-0.0042444	0.0035711	-0.065906	-1.0014E-05	3.3882E-05	3.3388E-05
350		-0.0042494	-0.0035534	0.065618	-1.0014E-05	0.0001414	3.5222E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0025098	1.0932E-06	0.092879	6.7184E-07	-0.0001076	2.292E-06
Yj: 3.7778		-0.0025098	1.0932E-06	-0.092207	6.7184E-07	-0.00014815	-1.7963E-06
Zi: 7.0266	Rüzgar Yükü Y	-0.0025098	1.0932E-06	0.092879	6.7184E-07	-0.0001076	2.292E-06
Zj: 7.0266		-0.0025098	1.0932E-06	-0.092207	6.7184E-07	-0.00014815	-1.7963E-06
	Kar Yükü	0.0056258	0.0093726	-0.17287	-2.7329E-07	0.00020083	8.9316E-05
		0.0056073	-0.0093047	0.17162	-2.7329E-07	0.00027641	9.3467E-05
	Deprem X	-0.0042478	0.00017856	0.00055457	-1.2952E-06	-0.0010342	0.00033373
		-0.0042478	0.00017856	0.00055457	-1.2952E-06	0.0010399	-0.00033409
	Deprem Y	0.0041264	4.5257E-06	5.0358E-07	1.561E-06	-4.8259E-07	8.6286E-06
		0.0041264	4.5257E-06	5.0358E-07	1.561E-06	1.4647E-06	-8.2976E-06
A1	Ölü Yük	0.0059892	0.0033587	-0.061935	-6.6069E-06	2.5626E-05	3.1166E-05
351		0.0059944	-0.0033448	0.06168	-6.6069E-06	0.00013979	3.7221E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.0069357	1.4567E-06	0.085218	-3.3019E-07	-9.6765E-05	2.4467E-06
Yj: 2.5296		-0.0069357	1.4567E-06	-0.084604	-3.3019E-07	-0.00013962	-3.0014E-06
Zi: 7.0941	Rüzgar Yükü Y	-0.0069357	1.4567E-06	0.085218	-3.3019E-07	-9.6765E-05	2.4467E-06
Zj: 7.0941		-0.0069357	1.4567E-06	-0.084604	-3.3019E-07	-0.00013962	-3.0014E-06
	Kar Yükü	0.018388	0.0085808	-0.158	9.2188E-07	0.00017996	8.1464E-05
		0.018407	-0.0085204	0.15687	9.2188E-07	0.0002565	8.8456E-05
	Deprem X	-0.0094769	0.00021014	0.00025152	-1.3187E-06	-0.00047166	0.000395
		-0.0094769	0.00021014	0.00025152	-1.3187E-06	0.00046907	-0.00039092

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.024973	4.0894E-06	-3.2025E-06	-8.5193E-07	5.3096E-07	8.92E-06
		0.024973	4.0894E-06	-3.2025E-06	-8.5193E-07	-1.2042E-05	-6.3924E-06
A1	Ölü Yük	0.0085751	0.0020833	-0.03863	-5.875E-06	-8.6025E-06	1.8475E-05
352		0.0085811	-0.0020819	0.038531	-5.875E-06	6.9931E-05	2.9908E-05
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 14.995		0	0	0	0	0	0
Yi: 1.581	Rüzgar Yükü X	0.02125	1.9631E-06	0.037821	-4.7524E-07	-3.0424E-05	2.6026E-06
Yj: 1.581		0.02125	1.9631E-06	-0.037555	-4.7524E-07	-6.1553E-05	-4.7395E-06
Zi: 7.1453	Rüzgar Yükü Y	0.02125	1.9631E-06	0.037821	-4.7524E-07	-3.0424E-05	2.6026E-06
Zj: 7.1453		0.02125	1.9631E-06	-0.037555	-4.7524E-07	-6.1553E-05	-4.7395E-06
	Kar Yükü	0.017776	0.0038097	-0.07071	1.7406E-06	5.7222E-05	3.456E-05
		0.017799	-0.0037865	0.07021	1.7406E-06	0.00011021	4.4512E-05
	Deprem X	-0.026136	0.00012925	-8.3695E-05	-1.3289E-06	0.00012852	0.00024733
		-0.026136	0.00012925	-8.3695E-05	-1.3289E-06	-0.00018667	-0.00023607
	Deprem Y	0.24843	4.5969E-06	-4.8661E-06	1.5935E-06	-2.641E-06	9.3074E-06
		0.24843	4.5969E-06	-4.8661E-06	1.5935E-06	-1.9549E-05	-7.8905E-06
A1	Ölü Yük	-0.022213	0.0022151	-0.04126	-3.3431E-05	-0.00012265	5.0006E-06
353		-0.022215	-0.0022257	0.041298	-3.3431E-05	0.00025004	4.0927E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 9.759	Rüzgar Yükü X	0.0074867	-2.7321E-07	0.043207	7.3203E-06	2.6317E-05	-1.3751E-06
Yj: 9.759		0.0074867	-2.7321E-07	-0.04298	7.3203E-06	-0.00015303	-3.5331E-07
Zi: 6.703	Rüzgar Yükü Y	0.0074867	-2.7321E-07	0.043207	7.3203E-06	2.6317E-05	-1.3751E-06
Zj: 6.703		0.0074867	-2.7321E-07	-0.04298	7.3203E-06	-0.00015303	-3.5331E-07
	Kar Yükü	-0.01482	0.0043208	-0.080776	-1.1699E-05	-5.0539E-05	2.5879E-05
		-0.014827	-0.0043075	0.080354	-1.1699E-05	0.00028922	6.1491E-05
	Deprem X	-0.0046552	-0.00020927	5.3904E-05	1.7999E-06	-0.0001042	-0.00039195
		-0.0046552	-0.00020927	5.3904E-05	1.7999E-06	9.7481E-05	0.00039071
	Deprem Y	-0.0021502	-4.1463E-05	-2.4647E-06	4.7186E-06	7.4485E-06	-7.9183E-05
		-0.0021502	-4.1463E-05	-2.4647E-06	4.7186E-06	-2.1366E-06	7.5889E-05
A1	Ölü Yük	0.001792	0.0034135	-0.062964	-2.5563E-05	-1.6044E-05	2.5972E-05
354		0.001792	-0.0034045	0.062752	-2.5563E-05	0.00019185	4.2042E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0062469	-3.0663E-06	0.086615	4.8584E-06	-7.3624E-05	-5.9903E-06
Yj: 8.7705		-0.0062469	-3.0663E-06	-0.086017	4.8584E-06	-0.00016629	5.4777E-06
Zi: 6.7567	Rüzgar Yükü Y	-0.0062469	-3.0663E-06	0.086615	4.8584E-06	-7.3624E-05	-5.9903E-06
Zj: 6.7567		-0.0062469	-3.0663E-06	-0.086017	4.8584E-06	-0.00016629	5.4777E-06
	Kar Yükü	0.010135	0.0087933	-0.16193	-7.8658E-06	0.00013717	7.8285E-05
		0.010135	-0.0087366	0.16081	-7.8658E-06	0.00031559	9.5183E-05
	Deprem X	-0.027718	-0.00021749	0.00027853	7.2717E-07	-0.00051983	-0.00040695
		-0.027718	-0.00021749	0.00027853	7.2717E-07	0.00052189	0.00040648
	Deprem Y	-0.0084956	-4.2808E-05	2.8582E-06	-9.9042E-07	3.3087E-06	-7.9891E-05
		-0.0084956	-4.2808E-05	2.8582E-06	-9.9042E-07	1.3993E-05	8.021E-05
A1	Ölü Yük	0.0053852	0.0036505	-0.06737	-2.1093E-05	2.3097E-06	3.3541E-05
355		0.0053763	-0.0036336	0.06711	-2.1093E-05	0.00018162	3.8023E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0080544	-4.607E-06	0.095427	4.2684E-06	-9.358E-05	-8.5357E-06
Yj: 7.5223		-0.0080544	-4.607E-06	-0.094755	4.2684E-06	-0.00017067	8.6944E-06
Zi: 6.8242	Rüzgar Yükü Y	-0.0080544	-4.607E-06	0.095427	4.2684E-06	-9.358E-05	-8.5357E-06
Zj: 6.8242		-0.0080544	-4.607E-06	-0.094755	4.2684E-06	-0.00017067	8.6944E-06
	Kar Yükü	0.014144	0.0096719	-0.17841	-5.643E-06	0.00017517	9.1557E-05
		0.014111	-0.0096031	0.17715	-5.643E-06	0.00031999	9.7979E-05
	Deprem X	-0.020821	-0.00019502	0.00052929	3.4161E-07	-0.00098753	-0.00036477
		-0.020821	-0.00019502	0.00052929	3.4161E-07	0.00099201	0.00036459
	Deprem Y	-0.0046151	-4.3316E-05	-3.3677E-07	3.3461E-06	2.9522E-06	-8.0464E-05
		-0.0046151	-4.3316E-05	-3.3677E-07	3.3461E-06	1.7216E-06	8.1536E-05
A1	Ölü Yük	0.0019832	0.0037393	-0.068949	-2.1392E-05	-1.3157E-05	3.486E-05
356		0.001991	-0.0037211	0.068697	-2.1392E-05	0.00020404	3.8073E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.0046067	-4.6691E-06	0.09862	3.313E-06	-9.1421E-05	-8.6338E-06
Yj: 6.2741		-0.0046067	-4.6691E-06	-0.097932	3.313E-06	-0.00018379	8.8287E-06
Zi: 6.8916	Rüzgar Yükü Y	-0.0046067	-4.6691E-06	0.09862	3.313E-06	-9.1421E-05	-8.6338E-06
Zj: 6.8916		-0.0046067	-4.6691E-06	-0.097932	3.313E-06	-0.00018379	8.8287E-06
	Kar Yükü	0.0082653	0.010003	-0.18435	-4.2784E-06	0.0001719	9.4931E-05
		0.0082942	-0.0099317	0.18306	-4.2784E-06	0.00034236	0.00010075
	Deprem X	-0.014307	-0.00013369	0.00073358	1.8247E-07	-0.0013697	-0.00025008
		-0.014307	-0.00013369	0.00073358	1.8247E-07	0.0013739	0.00024992
	Deprem Y	-0.0020436	-4.3007E-05	-2.5093E-06	1.7974E-06	4.0849E-06	-8.0432E-05
		-0.0020436	-4.3007E-05	-2.5093E-06	1.7974E-06	-5.3001E-06	8.0415E-05
A1	Ölü Yük	-0.0048889	0.0036457	-0.067222	-2.3597E-05	-2.2153E-05	3.2359E-05
357		-0.0048891	-0.00363	0.066991	-2.3597E-05	0.00020917	3.9058E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0030741	-4.1318E-06	0.095468	1.695E-06	-8.6727E-05	-7.7336E-06
Yj: 4.946		0.0030741	-4.1318E-06	-0.094805	1.695E-06	-0.00018	7.7195E-06
Zi: 6.9631	Rüzgar Yükü Y	0.0030741	-4.1318E-06	0.095468	1.695E-06	-8.6727E-05	-7.7336E-06
Zj: 6.9631		0.0030741	-4.1318E-06	-0.094805	1.695E-06	-0.00018	7.7195E-06
	Kar Yükü	-0.0076166	0.0096554	-0.1779	-1.466E-06	0.00016235	8.9886E-05
		-0.0076176	-0.0095883	0.17666	-1.466E-06	0.00033458	9.9422E-05
	Deprem X	-0.025428	5.5414E-05	0.00074941	1.2905E-07	-0.0014011	0.00010384
		-0.025428	5.5414E-05	0.00074941	1.2905E-07	0.0014017	-0.00010341
	Deprem Y	-0.0077162	-4.2868E-05	-1.9932E-06	1.3586E-06	3.4373E-06	-8.0266E-05
		-0.0077162	-4.2868E-05	-1.9932E-06	1.3586E-06	-4.0177E-06	8.0061E-05
A1	Ölü Yük	-0.0021908	0.0035728	-0.066014	-2.466E-05	-3.553E-05	3.3632E-05
358		-0.0021972	-0.0035562	0.065803	-2.466E-05	0.00021682	3.7557E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0032546	-4.3329E-06	0.092081	1.6786E-06	-7.9841E-05	-8.4171E-06
Yj: 3.7778		-0.0032546	-4.3329E-06	-0.091445	1.6786E-06	-0.00017593	7.7881E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 7.0266	Rüzgar Yükü Y	-0.0032546	-4.3329E-06	0.092081	1.6786E-06	-7.9841E-05	-8.4171E-06
Zj: 7.0266		-0.0032546	-4.3329E-06	-0.091445	1.6786E-06	-0.00017593	7.7881E-06
	Kar Yükü	0.0069719	0.0093801	-0.17339	-1.0616E-06	0.00015206	8.8382E-05
		0.0069479	-0.0093142	0.17219	-1.0616E-06	0.0003301	9.6311E-05
	Deprem X	-0.01136	0.00017717	0.00055385	2.5038E-07	-0.0010362	0.00033023
		-0.01136	0.00017717	0.00055385	2.5038E-07	0.0010353	-0.00033239
	Deprem Y	0.004191	-4.2715E-05	-7.6249E-07	2.6474E-06	4.0246E-06	-8.0689E-05
		0.004191	-4.2715E-05	-7.6249E-07	2.6474E-06	1.3625E-06	7.9065E-05
A1	Ölü Yük	0.0075609	0.0033618	-0.062357	-4.2097E-06	-4.6879E-05	2.6886E-05
359		0.0075569	-0.0033549	0.062159	-4.2097E-06	0.00017822	4.6111E-05
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.745		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.0076295	-2.9828E-06	0.085122	-6.6668E-06	-6.861E-05	-6.9123E-06
Yj: 2.5296		-0.0076295	-2.9828E-06	-0.08453	-6.6668E-06	-0.00015092	4.2432E-06
Zi: 7.0941	Rüzgar Yükü Y	-0.0076295	-2.9828E-06	0.085122	-6.6668E-06	-6.861E-05	-6.9123E-06
Zj: 7.0941		-0.0076295	-2.9828E-06	-0.08453	-6.6668E-06	-0.00015092	4.2432E-06
	Kar Yükü	0.01927	0.0086025	-0.15968	1.3389E-05	0.00013356	7.7512E-05
		0.019256	-0.0085477	0.15857	1.3389E-05	0.00028629	9.5275E-05
	Deprem X	-0.028026	0.00021064	0.00026235	1.3874E-06	-0.00046484	0.00038688
		-0.028026	0.00021064	0.00026235	1.3874E-06	0.00051977	-0.00040091
	Deprem Y	0.023364	-4.3412E-05	-7.5965E-07	-1.3336E-06	1.7681E-05	-8.2667E-05
		0.023364	-4.3412E-05	-7.5965E-07	-1.3336E-06	1.6022E-05	7.9692E-05
A10	Ölü Yük	-0.0043407	0.0015005	-0.026553	-1.3819E-05	0.023371	0.0015027
810		-0.0048426	-0.00088698	0.017553	-1.3819E-05	0.00024246	1.1267E-05
Xi: 18.748m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.398		0	0	0	0	0	0
Yi: 1.012	Rüzgar Yükü X	-0.010612	-0.00068982	0.002393	-9.9817E-06	-0.0041305	-0.002528
Yj: 1.762		-0.010611	-0.00067935	-0.0070685	-9.9817E-06	-0.00010378	3.7156E-05
Zi: 7.1759	Rüzgar Yükü Y	-0.010612	-0.00068982	0.002393	-9.9817E-06	-0.0041305	-0.002528
Zj: 7.1349		-0.010611	-0.00067935	-0.0070685	-9.9817E-06	-0.00010378	3.7156E-05
	Kar Yükü	-0.010891	0.00017331	-0.0042163	2.4121E-05	0.0067788	0.00018419
		-0.011145	-0.00079555	0.013471	2.4121E-05	0.00020992	3.9191E-05
	Deprem X	0.13455	0.0051076	-0.0012188	-5.8366E-05	0.0044455	0.018477
		0.13455	0.0051076	-0.0012188	-5.8366E-05	-0.00027358	-0.00057271
	Deprem Y	-0.13206	-0.0057135	0.00089892	1.48E-05	-0.0032837	-0.020826
		-0.13206	-0.0057135	0.00089892	1.48E-05	6.6531E-05	0.00046559
BR1	Ölü Yük	-0.092184	-8.0593E-06	0.031165	-0.015596	-6.8563E-05	-7.1856E-06
385		-0.092184	-8.0593E-06	0.0037994	-0.015596	0.037985	1.0357E-05
Xi: 17.565m	Hareketli Yük	0	0	0	0	0	0
Xj: 15.768		0	0	0	0	0	0
Yi: 8.5737	Rüzgar Yükü X	-0.04166	-4.5865E-06	-0.001068	0.001522	-4.1555E-06	-1.3603E-05
Yj: 7.3455		-0.04166	-4.5865E-06	-0.001068	0.001522	-0.0023289	-3.6192E-06
Zi: 6.2828	Rüzgar Yükü Y	-0.04166	-4.5865E-06	-0.001068	0.001522	-4.1555E-06	-1.3603E-05
Zj: 6.2828		-0.04166	-4.5865E-06	-0.001068	0.001522	-0.0023289	-3.6192E-06
	Kar Yükü	-0.065043	-5.9627E-06	0.0031721	-0.013628	-1.6079E-05	-4.6932E-06
		-0.065043	-5.9627E-06	0.0031721	-0.013628	0.0068886	8.2856E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.056217	4.6215E-06	0.0017158	0.0063365	-1.4903E-05	8.9657E-06
		0.056217	4.6215E-06	0.0017158	0.0063365	0.00372	-1.5393E-06
	Deprem Y	-0.59717	-6.2005E-05	0.0074579	-0.053269	-0.00012774	-0.00012881
		-0.59717	-6.2005E-05	0.0074579	-0.053269	0.016106	6.1575E-06
BR1	Ölü Yük	0.42194	-7.6886E-06	-0.0037057	-0.0044774	0.037826	-1.1015E-05
393		0.42194	-7.6886E-06	-0.031072	-0.0044774	-2.4028E-05	5.7212E-06
Xi: 6.632m	Hareketli Yük	0	0	0	0	0	0
Xj: 4.8348		0	0	0	0	0	0
Yi: 7.1045	Rüzgar Yükü X	-0.11039	1.1487E-05	-0.00044417	0.0068842	0.00096453	5.7014E-06
Yj: 5.8763		-0.11039	1.1487E-05	-0.00044417	0.0068842	-2.3046E-06	-1.9301E-05
Zi: 6.2828	Rüzgar Yükü Y	-0.11039	1.1487E-05	-0.00044417	0.0068842	0.00096453	5.7014E-06
Zj: 6.2828		-0.11039	1.1487E-05	-0.00044417	0.0068842	-2.3046E-06	-1.9301E-05
	Kar Yükü	0.30506	-6.4282E-06	0.0022235	-0.0030779	-0.0048139	-8.5835E-06
		0.30506	-6.4282E-06	0.0022235	-0.0030779	2.601E-05	5.4085E-06
	Deprem X	0.070562	-4.1231E-06	-0.0016211	-0.0055561	0.003512	-1.2383E-06
		0.070562	-4.1231E-06	-0.0016211	-0.0055561	1.6946E-05	-8.6291E-06
	Deprem Y	0.41709	6.4587E-05	0.008585	0.048171	-0.018572	8.9061E-06
		0.41709	6.4587E-05	0.008585	0.048171	0.00011539	-0.00013168
BR1	Ölü Yük	0.41511	-8.1323E-06	0.02607	-0.0091	-3.8617E-05	-6.5521E-06
394		0.41511	-8.1323E-06	-0.0012958	-0.0091	0.026924	1.1149E-05
Xi: 17.565m	Hareketli Yük	0	0	0	0	0	0
Xj: 15.768		0	0	0	0	0	0
Yi: 5.6237	Rüzgar Yükü X	-0.21119	-4.8795E-06	0.0014091	-0.0018749	-1.9269E-05	-1.4032E-05
Yj: 4.3955		-0.21119	-4.8795E-06	0.0014091	-0.0018749	0.003048	-3.4111E-06
Zi: 6.2828	Rüzgar Yükü Y	-0.21119	-4.8795E-06	0.0014091	-0.0018749	-1.9269E-05	-1.4032E-05
Zj: 6.2828		-0.21119	-4.8795E-06	0.0014091	-0.0018749	0.003048	-3.4111E-06
	Kar Yükü	0.30127	-5.84E-06	-0.0011938	-0.0064446	1.3843E-05	-4.2655E-06
		0.30127	-5.84E-06	-0.0011938	-0.0064446	-0.0025847	8.4463E-06
	Deprem X	-0.054063	5.0566E-06	0.001659	-0.0057345	-1.5899E-05	9.2048E-06
		-0.054063	5.0566E-06	0.001659	-0.0057345	0.003596	-2.0338E-06
	Deprem Y	-0.40828	-6.3972E-05	0.0087386	-0.048489	-0.00011681	-0.00013056
		-0.40828	-6.3972E-05	0.0087386	-0.048489	0.018904	8.6911E-06
BR1	Ölü Yük	-0.11028	-9.0855E-06	-0.0089938	-0.012325	0.049312	-1.2016E-05
402		-0.11028	-9.0855E-06	-0.03636	-0.012325	-4.8203E-05	7.7604E-06
Xi: 6.632m	Hareketli Yük	0	0	0	0	0	0
Xj: 4.8348		0	0	0	0	0	0
Yi: 4.1545	Rüzgar Yükü X	0.11949	1.1377E-05	0.0017008	0.011022	-0.0036886	5.3409E-06
Yj: 2.9263		0.11949	1.1377E-05	0.0017008	0.011022	1.3583E-05	-1.9423E-05
Zi: 6.2828	Rüzgar Yükü Y	0.11949	1.1377E-05	0.0017008	0.011022	-0.0036886	5.3409E-06
Zj: 6.2828		0.11949	1.1377E-05	0.0017008	0.011022	1.3583E-05	-1.9423E-05
	Kar Yükü	-0.080598	-6.7674E-06	-0.0020707	-0.010111	0.0045051	-8.58E-06
		-0.080598	-6.7674E-06	-0.0020707	-0.010111	-2.083E-06	6.1506E-06
	Deprem X	-0.05023	-3.1909E-06	-0.0016496	-0.0060689	0.0035759	-1.3806E-06
		-0.05023	-3.1909E-06	-0.0016496	-0.0060689	-1.4837E-05	7.3893E-06
	Deprem Y	0.59593	6.2179E-05	0.0072726	0.052434	-0.015705	5.9531E-06
		0.59593	6.2179E-05	0.0072726	0.052434	0.00012565	-0.00012939

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
BR2	Ölü Yük	0.42306	-8.8195E-06	0.036607	-0.019982	-5.2013E-05	-7.3698E-06
391		0.42306	-8.8195E-06	0.0092437	-0.019982	0.049843	1.1825E-05
Xi: 8.7816m	Hareketli Yük	0	0	0	0	0	0
Xj: 6.9847		0	0	0	0	0	0
Yi: 8.5735	Rüzgar Yükü X	-0.11173	1.8946E-06	-0.0028872	0.016304	1.7597E-05	-1.537E-07
Yj: 7.3455		-0.11173	1.8946E-06	-0.0028872	0.016304	-0.0062662	-4.2772E-06
Zi: 6.2828	Rüzgar Yükü Y	-0.11173	1.8946E-06	-0.0028872	0.016304	1.7597E-05	-1.537E-07
Zj: 6.2828		-0.11173	1.8946E-06	-0.0028872	0.016304	-0.0062662	-4.2772E-06
	Kar Yükü	0.30609	-7.4576E-06	0.0039395	-0.019192	-6.1691E-06	-6.2655E-06
		0.30609	-7.4576E-06	0.0039395	-0.019192	0.008568	9.9655E-06
	Deprem X	0.070396	-1.7996E-06	-0.0010616	-0.0016381	4.8195E-06	-2.3347E-06
		0.070396	-1.7996E-06	-0.0010616	-0.0016381	-0.0023089	1.6551E-06
	Deprem Y	0.41076	-1.5997E-05	-0.0021091	0.043739	9.3735E-05	-2.6923E-05
		0.41076	-1.5997E-05	-0.0021091	0.043739	-0.0045022	7.8979E-06
BR2	Ölü Yük	0.41609	-1.116E-05	-0.0010975	-0.022072	0.032126	-1.4522E-05
396		0.41609	-1.116E-05	-0.02846	-0.022072	-3.9376E-05	9.7671E-06
Xi: 15.415m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.618		0	0	0	0	0	0
Yi: 4.1545	Rüzgar Yükü X	-0.21089	6.2789E-06	-0.0001042	0.0031038	0.00021011	6.5342E-06
Yj: 2.9265		-0.21089	6.2789E-06	-0.0001042	0.0031038	-1.6669E-05	-7.1315E-06
Zi: 6.2828	Rüzgar Yükü Y	-0.21089	6.2789E-06	-0.0001042	0.0031038	0.00021011	6.5342E-06
Zj: 6.2828		-0.21089	6.2789E-06	-0.0001042	0.0031038	-1.6669E-05	-7.1315E-06
	Kar Yükü	0.30222	-7.9714E-06	-0.00118	-0.017023	0.0025731	-1.0374E-05
		0.30222	-7.9714E-06	-0.00118	-0.017023	4.9664E-06	6.975E-06
	Deprem X	-0.05407	1.3517E-06	0.0012053	0.0020956	-0.0026208	1.082E-06
		-0.05407	1.3517E-06	0.0012053	0.0020956	-4.0461E-06	-2.1135E-06
	Deprem Y	-0.40186	1.56E-05	-0.0017438	-0.043196	0.0037047	7.6115E-06
		-0.40186	1.56E-05	-0.0017438	-0.043196	-9.2004E-05	-2.6344E-05
BR2	Ölü Yük	-0.10861	-9.6495E-06	0.031803	-0.012871	-1.6842E-05	-7.0151E-06
400		-0.10861	-9.6495E-06	0.0044403	-0.012871	0.039424	1.3986E-05
Xi: 8.7816m	Hareketli Yük	0	0	0	0	0	0
Xj: 6.9847		0	0	0	0	0	0
Yi: 5.6235	Rüzgar Yükü X	0.11791	1.962E-06	0.0002171	0.010335	-3.8482E-06	-5.0568E-07
Yj: 4.3955		0.11791	1.962E-06	0.0002171	0.010335	0.00046866	-4.7759E-06
Zi: 6.2828	Rüzgar Yükü Y	0.11791	1.962E-06	0.0002171	0.010335	-3.8482E-06	-5.0568E-07
Zj: 6.2828		0.11791	1.962E-06	0.0002171	0.010335	0.00046866	-4.7759E-06
	Kar Yükü	-0.079647	-7.2381E-06	-0.0020903	-0.0092995	3.0299E-05	-5.2617E-06
		-0.079647	-7.2381E-06	-0.0020903	-0.0092995	-0.0045192	1.0492E-05
	Deprem X	-0.049573	-1.0654E-06	-0.0011432	-0.0023278	6.6103E-06	-1.6095E-06
		-0.049573	-1.0654E-06	-0.0011432	-0.0023278	-0.0024868	8.6269E-07
	Deprem Y	0.58762	-1.5097E-05	-0.0032245	0.039122	8.2177E-05	-2.608E-05
		0.58762	-1.5097E-05	-0.0032245	0.039122	-0.0069372	6.785E-06
BR2	Ölü Yük	-0.091785	-8.9418E-06	0.003618	-0.010209	0.021894	-1.2635E-05
387		-0.091785	-8.9418E-06	-0.023745	-0.010209	-8.8758E-06	6.8265E-06
Xi: 15.415m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.618		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 7.1045	Rüzgar Yükü X	-0.040993	5.816E-06	-0.0035819	-0.0020364	0.0077613	6.3798E-06
Yj: 5.8765		-0.040993	5.816E-06	-0.0035819	-0.0020364	-3.4546E-05	-6.2785E-06
Zi: 6.2828	Rüzgar Yükü Y	-0.040993	5.816E-06	-0.0035819	-0.0020364	0.0077613	6.3798E-06
Zj: 6.2828		-0.040993	5.816E-06	-0.0035819	-0.0020364	-3.4546E-05	-6.2785E-06
	Kar Yükü	-0.064356	-7.3322E-06	0.0049942	-0.0064465	-0.010828	-1.0367E-05
		-0.064356	-7.3322E-06	0.0049942	-0.0064465	4.1213E-05	5.5907E-06
	Deprem X	0.055419	6.3526E-07	0.0011385	0.0028914	-0.0024771	8.2341E-07
		0.055419	6.3526E-07	0.0011385	0.0028914	-4.6701E-06	-1.0561E-06
	Deprem Y	-0.58913	1.5121E-05	-0.0031452	-0.039553	0.0067628	6.9543E-06
		-0.58913	1.5121E-05	-0.0031452	-0.039553	-8.2902E-05	-2.5959E-05
BR3	Ölü Yük	-0.68152	-1.1674E-05	0.029694	-0.017382	-1.1026E-05	-9.7122E-06
397		-0.68152	-1.1674E-05	0.0016425	-0.017382	0.034948	1.6335E-05
Xi: 13.243m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.381		0	0	0	0	0	0
Yi: 5.6243	Rüzgar Yükü X	0.24429	6.2999E-06	-0.0012884	0.0098714	-7.8586E-06	7.0401E-06
Yj: 4.3946		0.24429	6.2999E-06	-0.0012884	0.0098714	-0.0028825	-7.0162E-06
Zi: 6.2828	Rüzgar Yükü Y	0.24429	6.2999E-06	-0.0012884	0.0098714	-7.8586E-06	7.0401E-06
Zj: 6.2828		0.24429	6.2999E-06	-0.0012884	0.0098714	-0.0028825	-7.0162E-06
	Kar Yükü	-0.49823	-8.7075E-06	-0.002056	-0.011757	4.1325E-05	-7.0659E-06
		-0.49823	-8.7075E-06	-0.002056	-0.011757	-0.0045461	1.2362E-05
	Deprem X	-0.072533	-1.07E-06	0.00030726	-0.0020336	-5.0791E-06	-1.9974E-06
		-0.072533	-1.07E-06	0.00030726	-0.0020336	0.00068072	-5.0864E-07
	Deprem Y	-0.17229	1.2797E-05	-0.016172	0.024202	9.5842E-05	2.5415E-05
		-0.17229	1.2797E-05	-0.016172	0.024202	-0.035987	-3.1379E-06
BR3	Ölü Yük	-0.68187	-1.1379E-05	-0.0050428	-0.022302	0.042525	-1.7247E-05
399		-0.68187	-1.1379E-05	-0.033094	-0.022302	-1.9828E-05	8.1413E-06
Xi: 11.019m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.157		0	0	0	0	0	0
Yi: 4.1554	Rüzgar Yükü X	0.24393	2.9366E-06	-0.0013148	0.0052869	0.0029082	6.3939E-06
Yj: 2.9257		0.24393	2.9366E-06	-0.0013148	0.0052869	-2.5423E-05	-1.5818E-07
Zi: 6.2828	Rüzgar Yükü Y	0.24393	2.9366E-06	-0.0013148	0.0052869	0.0029082	6.3939E-06
Zj: 6.2828		0.24393	2.9366E-06	-0.0013148	0.0052869	-2.5423E-05	-1.5818E-07
	Kar Yükü	-0.49809	-8.1951E-06	-0.0020039	-0.018002	0.0044887	-1.2197E-05
		-0.49809	-8.1951E-06	-0.0020039	-0.018002	1.7594E-05	6.0878E-06
	Deprem X	-0.07253	-5.494E-07	0.00045975	-0.00188	-0.0010238	-5.0923E-07
		-0.07253	-5.494E-07	0.00045975	-0.00188	-3.7565E-06	1.3069E-06
	Deprem Y	-0.17464	-1.1433E-05	-0.016221	-0.029654	0.036085	-1.3724E-06
		-0.17464	-1.1433E-05	-0.016221	-0.029654	-0.00010729	2.415E-05
BR3	Ölü Yük	-0.67043	-9.5523E-06	0.035026	-0.024267	-5.0269E-05	-7.7014E-06
388		-0.67043	-9.5523E-06	0.0069748	-0.024267	0.046806	1.3612E-05
Xi: 13.243m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.381		0	0	0	0	0	0
Yi: 8.5743	Rüzgar Yükü X	0.28766	5.786E-06	-0.0044759	0.015946	1.5254E-05	6.4995E-06
Yj: 7.3446		0.28766	5.786E-06	-0.0044759	0.015946	-0.0099713	-6.4103E-06
Zi: 6.2828	Rüzgar Yükü Y	0.28766	5.786E-06	-0.0044759	0.015946	1.5254E-05	6.4995E-06
Zj: 6.2828		0.28766	5.786E-06	-0.0044759	0.015946	-0.0099713	-6.4103E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.49971	-8.1595E-06	0.0038485	-0.021787	1.6305E-06	-6.4497E-06
		-0.49971	-8.1595E-06	0.0038485	-0.021787	0.0085884	1.1756E-05
	Deprem X	0.04969	-4.6368E-07	0.00043858	0.001578	-3.533E-06	-1.2182E-06
		0.04969	-4.6368E-07	0.00043858	0.001578	0.00097694	-6.6991E-07
	Deprem Y	0.16908	1.1416E-05	-0.016359	0.029406	0.00010689	2.3926E-05
		0.16908	1.1416E-05	-0.016359	0.029406	-0.036392	-1.5509E-06
BR3	Ölü Yük	-0.6711	-9.9584E-06	0.00016449	-0.011873	0.030933	-1.4902E-05
390		-0.6711	-9.9584E-06	-0.027887	-0.011873	5.7632E-06	7.3172E-06
Xi: 11.019m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.157		0	0	0	0	0	0
Yi: 7.1054	Rüzgar Yükü X	0.28753	2.7388E-06	-0.0044685	0.0010133	0.0099276	6.039E-06
Yj: 5.8757		0.28753	2.7388E-06	-0.0044685	0.0010133	-4.2591E-05	-7.1839E-08
Zi: 6.2828	Rüzgar Yükü Y	0.28753	2.7388E-06	-0.0044685	0.0010133	0.0099276	6.039E-06
Zj: 6.2828		0.28753	2.7388E-06	-0.0044685	0.0010133	-4.2591E-05	-7.1839E-08
	Kar Yükü	-0.49994	-8.3116E-06	0.0038354	-0.0086408	-0.0085044	-1.215E-05
		-0.49994	-8.3116E-06	0.0038354	-0.0086408	5.3075E-05	6.3947E-06
	Deprem X	0.050253	-1.1175E-06	0.00018124	-0.002054	-0.00040053	-6.4784E-07
		0.050253	-1.1175E-06	0.00018124	-0.002054	4.2413E-06	1.9094E-06
	Deprem Y	0.16694	-1.3086E-05	-0.016359	-0.024184	0.036404	-3.2978E-06
		0.16694	-1.3086E-05	-0.016359	-0.024184	-9.619E-05	2.5901E-05
BR4	Ölü Yük	-0.11004	-0.0004515	0.033119	0.012311	-5.0427E-05	6.1655E-06
395		-0.1104	0.00046926	-0.027179	0.011701	-1.3216E-05	-6.4E-06
Xi: 17.565m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.618		0	0	0	0	0	0
Yi: 2.9263	Rüzgar Yükü X	0.11761	-0.00014222	-0.0019679	-0.010505	1.5558E-05	-1.8938E-05
Yj: 5.6235		0.11749	0.00013044	-0.00045454	-0.00941	-3.87E-06	-9.9784E-07
Zi: 6.2828	Rüzgar Yükü Y	0.11761	-0.00014222	-0.0019679	-0.010505	1.5558E-05	-1.8938E-05
Zj: 6.2828		0.11749	0.00013044	-0.00045454	-0.00941	-3.87E-06	-9.9784E-07
	Kar Yükü	-0.080298	-0.00043703	0.0025065	0.0098054	-4.3531E-06	4.8705E-06
		-0.080642	0.00045025	0.0024927	0.0083707	3.1207E-05	-4.8539E-06
	Deprem X	0.048385	-0.00013453	-0.0016878	-0.005764	1.5168E-05	-7.3641E-06
		0.048401	0.00013484	-0.0011695	-0.0021264	-6.6974E-06	1.4894E-06
	Deprem Y	0.58182	-0.0029962	-0.0075432	-0.049183	0.0001311	-0.00013075
		0.57941	0.0029584	0.0029294	-0.035491	8.4714E-05	-2.8252E-05
BR4	Ölü Yük	0.41801	-0.00017763	0.027561	0.0050983	-2.6437E-05	4.8527E-06
386		0.41787	0.00019366	-0.032358	0.019609	-5.1272E-05	-6.8019E-06
Xi: 17.565m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.618		0	0	0	0	0	0
Yi: 5.8763	Rüzgar Yükü X	-0.11149	-0.0003146	0.00028295	-0.0064696	-1.8706E-07	-1.9063E-05
Yj: 8.5735		-0.11174	0.00030263	0.0027968	-0.015503	1.8885E-05	-6.4611E-07
Zi: 6.2828	Rüzgar Yükü Y	-0.11149	-0.0003146	0.00028295	-0.0064696	-1.8706E-07	-1.9063E-05
Zj: 6.2828		-0.11174	0.00030263	0.0027968	-0.015503	1.8885E-05	-6.4611E-07
	Kar Yükü	0.30255	-0.00031337	-0.0019741	0.0031346	2.3113E-05	4.4956E-06
		0.3023	0.00032674	-0.0037962	0.018658	-7.9161E-06	-5.8844E-06
	Deprem X	-0.069367	-0.00041968	-0.0016332	-0.0052299	-1.7089E-05	8.9726E-06
		-0.06906	0.00041769	-0.0010759	-0.0014528	-4.7139E-06	2.5703E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.39777	-0.0037564	-0.0087539	-0.044291	0.00011902	-0.00013334
		0.39477	0.0037171	0.0018596	-0.039677	9.5874E-05	-2.9267E-05
BR4	Ölü Yük	0.41915	0.00078478	0.02405	0.019553	-3.0084E-05	9.6576E-06
401		0.41976	-0.00076596	-0.022616	0.0092356	-3.7904E-05	-5.1246E-06
Xi: 8.7816m	Hareketli Yük	0	0	0	0	0	0
Xj: 4.8348		0	0	0	0	0	0
Yi: 2.9265	Rüzgar Yükü X	-0.21003	-0.00073369	0.00026099	-0.0025771	-1.85E-05	-7.4981E-06
Yj: 5.6237		-0.21061	0.00073135	-0.0012228	0.0014282	-1.8128E-05	-1.5036E-05
Zi: 6.2828	Rüzgar Yükü Y	-0.21003	-0.00073369	0.00026099	-0.0025771	-1.85E-05	-7.4981E-06
Zj: 6.2828		-0.21061	0.00073135	-0.0012228	0.0014282	-1.8128E-05	-1.5036E-05
	Kar Yükü	0.30365	0.00044993	0.00092227	0.01521	7.2971E-06	6.7654E-06
		0.30399	-0.00043645	0.0009026	0.0062693	1.1331E-05	-3.2748E-06
	Deprem X	0.054216	-0.00054644	0.0012075	0.0019222	4.1025E-06	-2.5047E-06
		0.05422	0.00054974	0.0016507	-0.0053899	1.5976E-05	-9.5979E-06
	Deprem Y	-0.38903	-0.0038415	0.0020174	0.03985	-9.6542E-05	-3.001E-05
		-0.39212	0.003881	-0.0085615	0.044116	-0.00011834	-0.00013454
BR4	Ölü Yük	-0.090631	0.00052921	0.019536	0.0090602	-2.3363E-06	6.4238E-06
392		-0.090226	-0.0005129	-0.027614	0.015726	-6.755E-05	-6.0851E-06
Xi: 8.7816m	Hareketli Yük	0	0	0	0	0	0
Xj: 4.8348		0	0	0	0	0	0
Yi: 5.8765	Rüzgar Yükü X	-0.039725	-0.0006224	0.0036677	0.0019608	-3.5515E-05	-6.4067E-06
Yj: 8.5737		-0.040219	0.00062032	0.0012248	-0.0020168	-3.1666E-06	-1.443E-05
Zi: 6.2828	Rüzgar Yükü Y	-0.039725	-0.0006224	0.0036677	0.0019608	-3.5515E-05	-6.4067E-06
Zj: 6.2828		-0.040219	0.00062032	0.0012248	-0.0020168	-3.1666E-06	-1.443E-05
	Kar Yükü	-0.064049	0.00048398	-0.0051283	0.0055501	4.2446E-05	5.2589E-06
		-0.063678	-0.0004712	-0.0034123	0.01339	-1.8035E-05	-3.6758E-06
	Deprem X	-0.054757	-0.00018923	0.0011494	0.0025395	4.5833E-06	-1.1167E-06
		-0.054794	0.00019201	0.0017226	0.0059551	1.5164E-05	-8.9806E-06
	Deprem Y	-0.57786	-0.0029143	0.0032697	0.03534	-8.5131E-05	-2.8346E-05
		-0.58023	0.0029523	-0.0073527	0.048431	-0.00012886	-0.00013139
BR5	Ölü Yük	-0.66734	0.00031809	0.02364	0.010664	9.2348E-06	6.4585E-06
389		-0.66708	-0.00029953	-0.031111	0.021823	-4.4517E-05	-6.2348E-06
Xi: 13.243m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.157		0	0	0	0	0	0
Yi: 5.8757	Rüzgar Yükü X	0.28687	5.6268E-05	0.0045712	-0.00050372	-4.2629E-05	4.0995E-07
Yj: 8.5743		0.28692	-6.4399E-05	0.0045638	-0.014729	1.4751E-05	6.015E-06
Zi: 6.2828	Rüzgar Yükü Y	0.28687	5.6268E-05	0.0045712	-0.00050372	-4.2629E-05	4.0995E-07
Zj: 6.2828		0.28692	-6.4399E-05	0.0045638	-0.014729	1.4751E-05	6.015E-06
	Kar Yükü	-0.49745	0.00011343	-0.0039901	0.007641	5.2823E-05	5.5011E-06
		-0.49736	-9.7791E-05	-0.003977	0.019735	2.7438E-06	-5.3101E-06
	Deprem X	-0.049428	-0.0002883	0.00018834	-0.0019558	-4.482E-06	-2.1372E-06
		-0.049647	0.00028744	0.00046285	0.0014574	3.7228E-06	1.0804E-06
	Deprem Y	0.17329	0.00098458	0.016504	0.023909	-9.7095E-05	2.6089E-05
		0.17415	-0.0009832	0.016505	-0.028597	0.00010764	2.4864E-05
BR5	Ölü Yük	-0.68389	0.00017152	0.029031	0.021743	-1.8709E-05	6.8795E-06
398		-0.68375	-0.00014958	-0.025845	0.016026	-8.0316E-06	-8.252E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 13.243m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.157		0	0	0	0	0	0
Yi: 2.9257	Rüzgar Yükü X	0.24449	0.00016118	0.0013609	-0.0051905	-2.4229E-05	5.073E-07
Yj: 5.6243		0.24463	-0.00017	0.0013873	-0.0092364	-7.5449E-06	6.6974E-06
Zi: 6.2828	Rüzgar Yükü Y	0.24449	0.00016118	0.0013609	-0.0051905	-2.4229E-05	5.073E-07
Zj: 6.2828		0.24463	-0.00017	0.0013873	-0.0092364	-7.5449E-06	6.6974E-06
	Kar Yükü	-0.49945	-5.7979E-05	0.0019992	0.017427	1.5567E-05	4.9803E-06
		-0.49951	7.4041E-05	0.0019471	0.010759	4.071E-05	-6.1164E-06
	Deprem X	0.071572	-0.00022382	0.00046018	-0.0016912	3.8186E-06	-1.2875E-06
		0.07157	0.0002245	0.0003123	-0.0018209	5.1677E-06	2.1139E-06
	Deprem Y	-0.17483	0.0010771	0.016466	0.028005	-0.00010602	2.4769E-05
		-0.17389	-0.0010787	0.016515	-0.023664	9.6141E-05	2.6708E-05
B20	Ölü Yük	-0.011361	0.00038992	-0.010725	-1.5776E-06	0.0034396	0.00055487
1375		-0.011361	0.00038992	0.010647	-1.5776E-06	0.0033375	-0.00046671
Xi: 12.51m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.89		0	0	0	0	0	0
Yi: 7.7525	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.7525		0	0	0	0	0	0
Zi: 3.45	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 3.45		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.008985	-0.00029325	-0.0025641	5.3817E-07	0.0025375	-0.00035625
		0.008985	-0.00029325	-0.0025641	5.3817E-07	-0.0041803	0.00041206
	Deprem Y	0.00069343	-0.00023295	-0.00014159	-4.2636E-07	0.00012432	-0.00031394
		0.00069343	-0.00023295	-0.00014159	-4.2636E-07	-0.00024891	0.00029849
B21	Ölü Yük	-0.032491	-0.0026035	-0.0093932	-0.00059183	0.0028914	-0.00072154
1386		-0.032604	0.0026121	0.0094347	0.00058946	0.0029003	-0.00072528
Xi: 12.4m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.4		0	0	0	0	0	0
Yi: 3.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.75		0	0	0	0	0	0
Zi: 2.83	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.83		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.017133	-0.0071485	-0.0058961	-0.0009565	0.0014496	-0.0024048
		-0.017033	0.0071436	0.0058737	0.0009546	0.0014414	-0.0024033
	Deprem Y	-0.015639	-0.001251	-0.0079427	0.00017525	0.0010174	-0.0006422
		0.015691	-0.0012504	-0.0079546	0.00017576	-0.0010215	0.00064271
B23	Ölü Yük	-0.087252	-0.0045668	-0.022198	-0.001531	0.015553	-0.0021992
1384		-0.087255	0.0045726	0.022197	0.0015293	0.015553	-0.0022016
Xi: 9.86m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.86		0	0	0	0	0	0
Yi: 7.78	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.72		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 2.98	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.98		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.0032236	0.00059239	0.00036254	0.00044053	-0.0002574	0.00031525
		0.0032209	-0.00058361	-0.000362	-0.00044265	-0.0002544	0.0003103
	Deprem Y	-0.0031479	0.0010314	-0.0016911	-1.4518E-05	0.0033494	0.00033397
		0.0031464	0.0010296	-0.0016911	-1.4708E-05	-0.0033496	-0.0003325
B24	Ölü Yük	-0.010116	0.00034659	-0.0038182	0.00026675	0.0014737	0.00049142
1388		-0.0096514	0.00034659	0.0040894	0.00026675	0.0018235	-0.00040235
Xi: 12.423m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.8488		0	0	0	0	0	0
Yi: 7.76	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.76		0	0	0	0	0	0
Zi: 2.8789	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 3.03		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.038788	-0.00030753	-0.00065811	-2.7788E-06	0.0009137	-0.00037732
		-0.038788	-0.00030753	-0.00065811	-2.7788E-06	-0.00078339	0.00041572
	Deprem Y	-0.0025843	-0.00023265	-5.3389E-05	3.0336E-05	7.6453E-05	-0.00032595
		-0.0025843	-0.00023265	-5.3389E-05	3.0336E-05	-6.1257E-05	0.00027555
B24	Ölü Yük	-0.0098216	-0.00034705	-0.004088	-0.00026641	0.0018212	-0.00040305
1399		-0.010286	-0.00034705	0.0038196	-0.00026641	0.0014752	0.00049192
Xi: 9.8488m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 3.74	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.74		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.039014	0.00030733	0.00066081	2.7479E-06	-0.00078705	0.00041568
		-0.039014	0.00030733	0.00066081	2.7479E-06	0.000917	-0.00037685
	Deprem Y	0.0025879	-0.00023289	-5.3415E-05	3.0404E-05	6.1309E-05	-0.00027602
		0.0025879	-0.00023289	-5.3415E-05	3.0404E-05	-7.6469E-05	0.00032609
B25	Ölü Yük	6.64E-05	-0.00035786	-0.0034174	7.6338E-05	0.00053616	-0.00043875
1391		-0.00039796	-0.00035786	0.0044978	7.6338E-05	0.0019305	0.00048497
Xi: 9.8463m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 5.0667	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 5.0667		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.00017984	0.0002688	4.7993E-05	1.5145E-05	-8.5724E-05	0.00036874
		0.00017984	0.0002688	4.7993E-05	1.5145E-05	3.8156E-05	-0.00032508
	Deprem Y	-0.00073107	0.00022388	-3.372E-05	7.4056E-06	4.2863E-05	0.00028889
		-0.00073107	0.00022388	-3.372E-05	7.4056E-06	-4.4208E-05	-0.00028971
B25	Ölü Yük	-0.0016362	-7.461E-07	-0.0032778	-1.2639E-07	0.00034501	-9.3682E-07
1393		-0.0021005	-7.461E-07	0.0046375	-1.2639E-07	0.0020999	9.8904E-07
Xi: 9.8463m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 5.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 5.75		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.00061481	-6.229E-06	3.8439E-05	1.6291E-07	-6.6732E-05	-8.3798E-06
		-0.00061481	-6.229E-06	3.8439E-05	1.6291E-07	3.2489E-05	7.6987E-06
	Deprem Y	-6.9382E-08	0.0002525	3.2648E-08	1.0401E-05	-6.15E-08	0.00032368
		-6.9382E-08	0.0002525	3.2648E-08	1.0401E-05	2.291E-08	-0.00032846
B25	Ölü Yük	6.077E-05	0.00035664	-0.0034178	-7.6505E-05	0.00053675	0.00043725
1395		-0.00040359	0.00035664	0.0044975	-7.6505E-05	0.0019302	-0.00048332
Xi: 9.8463m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 6.4333	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 6.4333		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.00017926	-0.0002698	4.7877E-05	-1.5095E-05	-8.5537E-05	-0.0003701
		0.00017926	-0.0002698	4.7877E-05	-1.5095E-05	3.8044E-05	0.0003263
	Deprem Y	0.00073186	0.00022378	3.3786E-05	7.3675E-06	-4.2986E-05	0.00028877
		0.00073186	0.00022378	3.3786E-05	7.3675E-06	4.4256E-05	-0.00028958
B25	Ölü Yük	-0.0032971	0.00054826	-0.0038486	-5.9499E-05	0.0011686	0.00070941
1397		-0.0037615	0.00054826	0.0040667	-5.9499E-05	0.0014501	-0.00070577
Xi: 9.8463m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 7.1167	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.1167		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.0024379	-0.00038012	0.00014453	-1.2586E-05	-0.00019926	-0.00051231
		-0.0024379	-0.00038012	0.00014453	-1.2586E-05	0.00017379	0.00046886
	Deprem Y	0.00081251	-0.00022644	-7.3686E-06	-1.5531E-05	-1.8073E-05	-0.00029496
		0.00081251	-0.00022644	-7.3686E-06	-1.5531E-05	-2.9102E-05	0.00028955

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
B25	Ölü Yük	-0.0033042	-0.0005491	-0.0038482	5.9689E-05	0.0011677	-0.00071056
1389		-0.0037685	-0.0005491	0.0040671	5.9689E-05	0.0014502	0.00070679
Xi: 9.8463m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.423		0	0	0	0	0	0
Yi: 4.3833	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 4.3833		0	0	0	0	0	0
Zi: 3.03	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.8789		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.0024502	0.00037917	0.00014516	1.2504E-05	-0.00020011	0.00051099
		-0.0024502	0.00037917	0.00014516	1.2504E-05	0.00017457	-0.00046774
	Deprem Y	-0.00081203	-0.0002265	7.3903E-06	-1.5426E-05	1.8034E-05	-0.00029503
		-0.00081203	-0.0002265	7.3903E-06	-1.5426E-05	2.9078E-05	0.00028963
B26	Ölü Yük	-0.011257	-0.00038532	-0.010671	1.7994E-06	0.0033286	-0.00046714
1374		-0.011257	-0.00038532	0.011026	1.7994E-06	0.0038005	0.0005578
Xi: 9.89m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 3.7475	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.7475		0	0	0	0	0	0
Zi: 3.45	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 3.45		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.0090838	0.00028572	0.0025586	-5.428E-07	-0.0042034	0.00040635
		0.0090838	0.00028572	0.0025586	-5.428E-07	0.0026025	-0.00035367
	Deprem Y	-0.00069589	-0.00022683	-0.00014082	-4.4736E-07	0.00024915	-0.0002943
		-0.00069589	-0.00022683	-0.00014082	-4.4736E-07	-0.00012758	0.00031121
B27	Ölü Yük	-0.041658	3.762E-07	-0.015988	-2.0712E-08	0.0092196	8.3708E-05
1376		-0.041658	3.762E-07	0.015987	-2.0712E-08	0.0092195	8.2233E-05
Xi: 9.8475m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.8475		0	0	0	0	0	0
Yi: 7.71	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.79		0	0	0	0	0	0
Zi: 3.45	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 3.45		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.00071299	3.4181E-06	6.1629E-06	-2.54E-08	3.6261E-05	-0.00010039
		-0.00071299	3.4181E-06	6.1629E-06	-2.54E-08	4.1655E-05	-0.00010444
	Deprem Y	-1.323E-05	-9.5121E-05	-0.0027189	1.6119E-07	0.0053289	-0.0001867
		-1.323E-05	-9.5121E-05	-0.0027189	1.6119E-07	-0.005329	0.00018618
B19	Ölü Yük	-0.051529	5.5728E-07	-0.016282	-3.7368E-08	0.010892	-0.00014064
1373		-0.051529	5.5728E-07	0.016019	-3.7368E-08	0.010372	-0.00014285
Xi: 12.552m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.552		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 3.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.71		0	0	0	0	0	0
Zi: 3.45	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 3.45		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.0037434	2.725E-06	4.4033E-06	-2.877E-08	-0.00034334	6.7577E-05
		0.0037434	2.725E-06	4.4033E-06	-2.877E-08	-0.00034217	6.2822E-05
	Deprem Y	-8.7553E-05	-0.00013032	0.0029051	-2.4156E-08	-0.0057672	-0.00025801
		-8.7553E-05	-0.00013032	0.0029051	-2.4156E-08	0.0057369	0.00025807
B22	Ölü Yük	-0.0020774	-1.4714E-06	-0.011845	0	-2.2068E-05	-1.8239E-06
944		-0.002626	4.2509E-05	0.012168	-2.0113E-08	-2.6649E-05	-2.382E-06
Xi: 9.8495m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 5.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 5.75		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.0010716	-1.0677E-05	5.8743E-05	1.3667E-08	-1.012E-06	-1.3973E-05
		-0.0013241	-0.00024602	-0.0016011	9.0412E-08	3.5954E-06	2.1273E-05
	Deprem Y	2.681E-07	0.00058823	0	-1.2641E-06	0	0.00072691
		2.1738E-07	-0.019113	4.7368E-07	3.7893E-06	0	0.0012321
B22	Ölü Yük	-0.0017408	0.0008044	-0.011818	1.7365E-06	-2.2316E-05	0.00097977
945		-0.0012772	-0.029912	0.0116	6.8888E-06	-2.6315E-05	0.0017865
Xi: 9.8495m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 6.4333	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 6.4333		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.0018606	-0.00045641	1.5637E-05	-1.1259E-06	1.2336E-06	-0.00060343
		-0.0013945	-0.01682	-0.0004691	4.7479E-06	5.01E-06	0.0013902
	Deprem Y	0.00050166	0.00049147	-8.1625E-05	-7.8019E-07	-9.4044E-07	0.00060925
		0.001009	-0.01555	-0.00033869	2.1877E-06	-2.6225E-06	0.00097934
B22	Ölü Yük	4.533E-07	0.0010963	-0.011835	3.1987E-06	-2.4983E-06	0.0013345
946		-0.0021449	-0.043651	0.022889	1.8453E-05	-2.8555E-05	0.0027586
Xi: 9.8495m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 7.1167	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.1167		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.00044485	-0.00077839	0.00056012	-1.0302E-06	-2.5388E-05	-0.001071
		-0.0025089	-0.034307	-0.0036352	-5.4275E-06	3.125E-05	0.0029373
	Deprem Y	0.0018689	-0.00032539	-0.00055505	-3.217E-07	3.2775E-06	-0.00041672
		0.001223	0.0030946	0.011473	1.2496E-05	-1.6314E-05	-0.0002209
B22	Ölü Yük	1.0361E-05	-0.0010972	-0.011837	-3.1871E-06	-2.5209E-06	-0.0013356
942		-0.0021508	0.043645	0.02295	-1.8512E-05	-2.8615E-05	-0.0027588
Xi: 9.8495m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 4.3833	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 4.3833		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.0004398	0.00077679	0.00056238	1.0245E-06	-2.5441E-05	0.0010689
		-0.0025124	0.034304	-0.0036673	5.4982E-06	3.1355E-05	-0.0029362
	Deprem Y	-0.0018671	-0.00032567	0.00055464	-3.1785E-07	-3.2792E-06	-0.00041707
		-0.0012247	0.0030726	-0.011462	1.2494E-05	1.6301E-05	-0.0002201
B22	Ölü Yük	-0.0017393	-0.00080688	-0.011819	-1.7463E-06	-2.2334E-05	-0.00098283
943		-0.0012717	0.029981	0.011597	-6.9091E-06	-2.6308E-05	-0.0017901
Xi: 9.8495m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 5.0667	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 5.0667		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.001863	0.0004546	1.5534E-05	1.1296E-06	1.2473E-06	0.00060104
		-0.0013965	0.016759	-0.00046663	-4.7287E-06	5.0142E-06	-0.0013854
	Deprem Y	-0.00050113	0.00049175	8.161E-05	-7.7785E-07	9.3675E-07	0.00060959
		-0.0010078	-0.015556	0.00033852	2.1934E-06	2.6237E-06	0.0009797
B28	Ölü Yük	0.015746	-0.031407	-0.023833	-8.0313E-05	0.0049614	-0.0023504
1364		0.028233	0.00085064	0.01203	9.3827E-06	0.0051553	-0.00096447
Xi: 12.55m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.85		0	0	0	0	0	0
Yi: 7.7525	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.7525		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.013447	-0.017919	-0.02343	-1.2783E-05	0.018345	-0.0016107
		0.034789	-0.00057937	-0.014626	-2.351E-07	-0.018641	0.00079097

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	-0.0020809	0.012863	0.0074828	-7.6201E-05	-0.0011538	0.00084447
		-0.0025113	-0.00036311	-0.0011048	5.3745E-06	-0.001348	0.00044385
B28	Ölü Yük	0.028297	-0.00085093	-0.012022	-9.3634E-06	0.0051466	-0.00096501
1372		0.01565	0.031293	0.023811	8.0756E-05	0.0049519	-0.0023377
Xi: 9.85m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.55		0	0	0	0	0	0
Yi: 3.7475	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.7475		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.034927	0.00057895	0.014664	2.3095E-07	-0.018689	0.00079088
		-0.013545	0.018019	0.023506	1.2664E-05	0.018382	-0.0016242
	Deprem Y	0.0025102	-0.00036334	-0.0011048	5.3798E-06	0.0013481	-0.00044435
		0.0020852	0.012811	0.0074721	-7.6113E-05	0.0011539	-0.00084042
B29	Ölü Yük	0.079172	-0.0047386	-0.056964	-1.5038E-05	0.031497	-0.0012952
1371		0.079277	0.004732	0.056867	1.4988E-05	0.031384	-0.0012928
Xi: 12.552m	Hareketli Yük	0	0	0	0	0	0
Xj: 12.552		0	0	0	0	0	0
Yi: 3.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 7.75		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.01481	-0.0068244	0.004934	-2.8059E-05	-0.0025304	-0.0022947
		0.014702	0.0068269	-0.0049003	2.8005E-05	-0.0025041	-0.0022971
	Deprem Y	0.024308	-0.00069708	0.019715	4.484E-06	-0.02397	-0.00046629
		-0.024206	-0.00069758	0.019727	4.4955E-06	0.023984	0.00046612
B29	Ölü Yük	0.12849	-0.0027759	-0.045889	-2.4775E-05	0.028693	-0.0011888
1369		0.12848	0.0027708	0.045893	2.4753E-05	0.028697	-0.0011872
Xi: 9.8475m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.8475		0	0	0	0	0	0
Yi: 7.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 3.75		0	0	0	0	0	0
Zi: 2.75	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 2.75		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.0036882	0.0039268	0.00061093	2.5896E-05	-0.00037172	0.0014624
		-0.0036929	-0.0039202	-0.00060208	-2.5949E-05	-0.00035172	0.0014583
	Deprem Y	-0.0062866	0.0014314	-0.011286	-2.7787E-06	0.021761	0.00041423
		0.0062869	0.0014293	-0.011285	-2.7855E-06	-0.021761	-0.00041322
A4	Ölü Yük	-0.042806	0.0014515	-0.016401	6.3661E-06	-0.012717	0.0014312
807		-0.042806	-0.00068791	0.023179	6.3661E-06	-2.6314E-05	1.3014E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.245		0	0	0	0	0	0
Yi: 0.58098	Rüzgar Yükü X	-0.0078365	-0.0001332	-0.0026055	1.002E-06	0.0097721	-0.00049427
Yj: 0.58098		-0.0078365	-0.0001332	-0.0026055	1.002E-06	1.4518E-05	4.578E-06
Zi: 7.1993	Rüzgar Yükü Y	-0.0078365	-0.0001332	-0.0026055	1.002E-06	0.0097721	-0.00049427
Zj: 7.1993		-0.0078365	-0.0001332	-0.0026055	1.002E-06	1.4518E-05	4.578E-06
	Kar Yükü	-0.032688	0.00010664	0.0048386	-2.7918E-06	-0.018147	0.00039505
		-0.032688	0.00010664	0.0048386	-2.7918E-06	-2.6585E-05	-4.3209E-06
	Deprem X	-0.012784	0.0029781	0.0023867	-1.3568E-06	-0.0087886	0.01098
		-0.012784	0.0029781	0.0023867	-1.3568E-06	0.00015366	-0.00017305
	Deprem Y	-0.20104	-0.00061278	0.00017583	-1.7629E-06	-0.00065829	-0.0022753
		-0.20104	-0.00061278	0.00017583	-1.7629E-06	1.2878E-06	1.9603E-05
A5	Ölü Yük	-0.042887	0.0006785	-0.02303	-6.813E-06	-2.6846E-05	6.5742E-07
806		-0.042887	-0.001461	0.01655	-6.813E-06	-0.01216	0.0014658
Xi: 11.255m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 0.58098	Rüzgar Yükü X	-0.0078582	0.00015171	0.0025696	-1.0073E-06	1.5212E-05	5.6574E-06
Yj: 0.58098		-0.0078582	0.00015171	0.0025696	-1.0073E-06	0.0096383	-0.0005625
Zi: 7.1993	Rüzgar Yükü Y	-0.0078582	0.00015171	0.0025696	-1.0073E-06	1.5212E-05	5.6574E-06
Zj: 7.1993		-0.0078582	0.00015171	0.0025696	-1.0073E-06	0.0096383	-0.0005625
	Kar Yükü	-0.032678	-0.00011927	-0.004758	2.8252E-06	-2.76E-05	-5.2362E-06
		-0.032678	-0.00011927	-0.004758	2.8252E-06	-0.017846	0.00044142
	Deprem X	-0.01085	0.0029972	0.0024054	-1.3155E-06	-0.00015365	0.00017336
		-0.01085	0.0029972	0.0024054	-1.3155E-06	0.0088586	-0.011051
	Deprem Y	-0.2011	0.00068733	-0.00010901	1.9446E-06	1.3532E-06	2.3046E-05
		-0.2011	0.00068733	-0.00010901	1.9446E-06	-0.00040717	-0.002551
A8	Ölü Yük	-0.00443	0.00089893	-0.018169	1.5564E-05	0.00024691	1.2076E-05
809		-0.0039269	-0.0015359	0.026879	1.5564E-05	0.023361	0.0015791
Xi: 0.0018702m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.7519		0	0	0	0	0	0
Yi: 1.7621	Rüzgar Yükü X	-0.010583	0.00065872	0.0070218	9.7108E-06	-0.00010709	3.8044E-05
Yj: 1.0121		-0.010584	0.00066845	-0.0022513	9.7108E-06	-0.0039219	-0.0025134
Zi: 7.1349	Rüzgar Yükü Y	-0.010583	0.00065872	0.0070218	9.7108E-06	-0.00010709	3.8044E-05
Zj: 7.1759		-0.010584	0.00066845	-0.0022513	9.7108E-06	-0.0039219	-0.0025134
	Kar Yükü	-0.010655	0.00076109	-0.013371	-2.2843E-05	0.0002131	3.9097E-05
		-0.010396	-0.00017549	0.0039645	-2.2843E-05	0.0064108	0.00022593
	Deprem X	-0.13383	0.0048103	-0.001345	-5.5028E-05	0.00027289	0.00057247
		-0.13383	0.0048103	-0.001345	-5.5028E-05	-0.0050412	-0.017841
	Deprem Y	-0.12927	0.0054861	-0.00087178	-1.1467E-05	5.2541E-05	0.00047291
		-0.12927	0.0054861	-0.00087178	-1.1467E-05	-0.0032819	-0.020509
A9	Ölü Yük	-0.031894	0.0013813	-0.03201	-6.8966E-07	0.028902	0.0010401
808		-0.031646	-0.0007751	0.0078842	-6.8966E-07	-0.016632	-0.00010408
Xi: 3.7511m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5011		0	0	0	0	0	0
Yi: 1.0121	Rüzgar Yükü X	-0.011549	0.00077108	0.0041751	5.6191E-06	-0.0046757	0.0016921
Yj: 0.58093		-0.011549	0.00077108	0.0041751	5.6191E-06	0.011084	-0.0012186

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 7.1759	Rüzgar Yükü Y	-0.011549	0.00077108	0.0041751	5.6191E-06	-0.0046757	0.0016921
Zj: 7.1993		-0.011549	0.00077108	0.0041751	5.6191E-06	0.011084	-0.0012186
	Kar Yükü	-0.02885	0.00050333	-0.008085	-1.2635E-05	0.010223	0.00085784
		-0.02885	0.00050333	-0.008085	-1.2635E-05	-0.020296	-0.0010421
	Deprem X	-0.14144	0.015016	0.0034324	2.6919E-06	-0.005351	0.030827
		-0.14144	0.015016	0.0034324	2.6919E-06	0.008286	-0.025862
	Deprem Y	-0.21472	0.0081291	-0.0016611	-5.6131E-06	0.0070065	0.016764
		-0.21472	0.0081291	-0.0016611	-5.6131E-06	0.00085805	-0.013922
A9	Ölü Yük	-0.032174	0.00073541	-0.007981	-3.8664E-07	-0.016082	-0.00018008
805		-0.032422	-0.001421	0.031913	-3.8664E-07	0.029087	0.0011139
Xi: 14.999m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.749		0	0	0	0	0	0
Yi: 0.58093	Rüzgar Yükü X	-0.011386	-0.00076993	-0.004212	-5.5089E-06	0.010948	-0.0012097
Yj: 1.0121		-0.011386	-0.00076993	-0.004212	-5.5089E-06	-0.0049512	0.0016966
Zi: 7.1993	Rüzgar Yükü Y	-0.011386	-0.00076993	-0.004212	-5.5089E-06	0.010948	-0.0012097
Zj: 7.1759		-0.011386	-0.00076993	-0.004212	-5.5089E-06	-0.0049512	0.0016966
	Kar Yükü	-0.029123	-0.00055923	0.0081205	1.2451E-05	-0.019998	-0.001145
		-0.029123	-0.00055923	0.0081205	1.2451E-05	0.010655	0.00096598
	Deprem X	0.12875	0.015144	0.0038097	2.5855E-06	-0.0087359	0.026066
		0.12875	0.015144	0.0038097	2.5855E-06	0.0062359	-0.031105
	Deprem Y	-0.21463	-0.0083937	0.001537	5.5033E-06	0.00091132	-0.014352
		-0.21463	-0.0083937	0.001537	5.5033E-06	0.0066906	0.017333
B17	Ölü Yük	-0.018284	0.028938	-0.005233	3.9209E-06	0.0079961	0.021739
647		-0.0061303	0.028938	-0.005233	3.9209E-06	0.00019891	-0.021378
X: 20.4m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	-0.0010864	-0.014275	0.0016247	-8.1867E-06	-0.002552	-0.01071
Zj: 7.54		-0.0010864	-0.014275	0.0016247	-8.1867E-06	-0.00013122	0.01056
	Rüzgar Yükü Y	-0.0010864	-0.014275	0.0016247	-8.1867E-06	-0.002552	-0.01071
		-0.0010864	-0.014275	0.0016247	-8.1867E-06	-0.00013122	0.01056
	Kar Yükü	0.0022074	0.027025	-0.0029954	1.0587E-06	0.0047112	0.020275
		0.0022074	0.027025	-0.0029954	1.0587E-06	0.00024795	-0.019992
	Deprem X	-0.0040077	0.010996	-0.031254	-9.7421E-05	0.048271	0.008292
		-0.0040077	0.010996	-0.031254	-9.7421E-05	0.001703	-0.0080922
	Deprem Y	0.00094425	-0.0010986	0.0052623	-5.9976E-05	-0.0081207	-0.00082819
		0.00094425	-0.0010986	0.0052623	-5.9976E-05	-0.00027998	0.00080881
B18	Ölü Yük	-0.01795	-0.053504	0.0094635	-1.3315E-05	-0.0085291	-0.040023
637		-0.0058776	-0.053504	0.0094635	-1.3315E-05	0.0054769	0.039163
X: 5.625m	Hareketli Yük	0	0	0	0	0	0
Y: 0.42013		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.00035997	0.018231	-0.0023036	3.6181E-06	0.0015628	0.013648
Zj: 7.54		-0.00035997	0.018231	-0.0023036	3.6181E-06	-0.0018465	-0.013333
	Rüzgar Yükü Y	-0.00035997	0.018231	-0.0023036	3.6181E-06	0.0015628	0.013648
		-0.00035997	0.018231	-0.0023036	3.6181E-06	-0.0018465	-0.013333
	Kar Yükü	0.00094654	-0.033598	0.0041822	-3.618E-06	-0.0027871	-0.025141
		0.00094654	-0.033598	0.0041822	-3.618E-06	0.0034025	0.024584

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	-0.0045034	0.027114	-0.0032938	-1.2827E-05	0.0025399	0.020462
		-0.0045034	0.027114	-0.0032938	-1.2827E-05	-0.0025716	-0.019668
	Deprem Y	0.0014724	-0.00050067	0.0030911	1.1253E-05	-0.0047884	-0.00039538
		0.0014724	-0.00050067	0.0030911	1.1253E-05	-0.00021888	0.00035767
B18	Ölü Yük	-0.010641	-0.024197	-0.0013895	-5.0489E-06	0.0038449	-0.018107
638		0.0014309	-0.024197	-0.0013895	-5.0489E-06	0.0017885	0.017705
X: 9.375m	Hareketli Yük	0	0	0	0	0	0
Y: 0.09019		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0026745	0.0082907	0.0019198	6.0526E-07	-0.0034647	0.0062096
Zj: 7.54		-0.0026745	0.0082907	0.0019198	6.0526E-07	-0.00062347	-0.0060607
	Rüzgar Yükü Y	-0.0026745	0.0082907	0.0019198	6.0526E-07	-0.0034647	0.0062096
		-0.0026745	0.0082907	0.0019198	6.0526E-07	-0.00062347	-0.0060607
	Kar Yükü	0.0052502	-0.015154	-0.0029029	-1.0913E-06	0.0053932	-0.011344
		0.0052502	-0.015154	-0.0029029	-1.0913E-06	0.0010969	0.011084
	Deprem X	0.011392	0.029139	-0.0029394	-1.0731E-05	0.0034271	0.021883
		0.011392	0.029139	-0.0029394	-1.0731E-05	-0.0010245	-0.021244
	Deprem Y	0.0014847	0.0003442	0.0029969	-1.8363E-06	-0.0046668	0.00028688
		0.0014847	0.0003442	0.0029969	-1.8363E-06	-0.00023176	-0.00022291
B18	Ölü Yük	-0.010716	0.024803	-0.0012981	5.2414E-06	0.0037652	0.018559
639		0.0013565	0.024803	-0.0012981	5.2414E-06	0.001844	-0.018148
X: 13.125m	Hareketli Yük	0	0	0	0	0	0
Y: 0.094605		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0026674	-0.0084826	0.0019169	-5.838E-07	-0.0034804	-0.0063533
Zj: 7.54		-0.0026674	-0.0084826	0.0019169	-5.838E-07	-0.00064339	0.0062009
	Rüzgar Yükü Y	-0.0026674	-0.0084826	0.0019169	-5.838E-07	-0.0034804	-0.0063533
		-0.0026674	-0.0084826	0.0019169	-5.838E-07	-0.00064339	0.0062009
	Kar Yükü	0.0052277	0.015495	-0.0028546	1.1394E-06	0.0053553	0.011599
		0.0052277	0.015495	-0.0028546	1.1394E-06	0.0011305	-0.011334
	Deprem X	-0.01195	0.029108	0.003365	-1.0754E-05	-0.0040359	0.021863
		-0.01195	0.029108	0.003365	-1.0754E-05	0.0010663	-0.021218
	Deprem Y	0.0014896	-0.00043355	0.0031607	2.2817E-06	-0.0049197	-0.00035226
		0.0014896	-0.00043355	0.0031607	2.2817E-06	-0.00024266	0.00029016
B18	Ölü Yük	-0.018503	0.053392	0.0096259	1.3433E-05	-0.0086922	0.039942
640		-0.0064306	0.053392	0.0096259	1.3433E-05	0.0055541	-0.039078
X: 16.875m	Hareketli Yük	0	0	0	0	0	0
Y: 0.43347		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.00016326	-0.018181	-0.0023656	-3.7476E-06	0.0016303	-0.013612
Zj: 7.54		-0.00016326	-0.018181	-0.0023656	-3.7476E-06	-0.0018708	0.013296
	Rüzgar Yükü Y	-0.00016326	-0.018181	-0.0023656	-3.7476E-06	0.0016303	-0.013612
		-0.00016326	-0.018181	-0.0023656	-3.7476E-06	-0.0018708	0.013296
	Kar Yükü	0.0006598	0.033496	0.0042858	3.6221E-06	-0.002898	0.025066
		0.0006598	0.033496	0.0042858	3.6221E-06	0.0034449	-0.024508
	Deprem X	0.0039927	0.027016	0.0033941	-1.3044E-05	-0.0026035	0.020402
		0.0039927	0.027016	0.0033941	-1.3044E-05	0.0026156	-0.019582
	Deprem Y	0.0017686	0.00040865	0.0025464	-1.2268E-05	-0.0039363	0.00031546
		0.0017686	0.00040865	0.0025464	-1.2268E-05	-0.00017484	-0.00030474

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
B18	Ölü Yük	-0.011315	0.049785	0.020046	1.1354E-05	-0.022146	0.036965
641		0.0007569	0.049785	0.020046	1.1354E-05	0.0075225	-0.036717
X: 20.4m	Hareketli Yük	0	0	0	0	0	0
Y: 1.0624		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.003884	-0.017383	-0.0058774	-7.9187E-06	0.0061407	-0.012913
Zj: 7.54		-0.003884	-0.017383	-0.0058774	-7.9187E-06	-0.0025578	0.012814
	Rüzgar Yükü Y	-0.003884	-0.017383	-0.0058774	-7.9187E-06	0.0061407	-0.012913
		-0.003884	-0.017383	-0.0058774	-7.9187E-06	-0.0025578	0.012814
	Kar Yükü	0.0063001	0.032456	0.010177	-1.6919E-06	-0.01021	0.024118
		0.0063001	0.032456	0.010177	-1.6919E-06	0.0048529	-0.023917
	Deprem X	0.017035	0.023674	0.031429	9.202E-05	-0.046262	0.017512
		0.017035	0.023674	0.031429	9.202E-05	0.0032397	-0.017543
	Deprem Y	-0.0034476	0.0016744	-0.0076735	-6.9259E-05	0.012048	0.0013102
		-0.0034476	0.0016744	-0.0076735	-6.9259E-05	0.000754	-0.0011744
B18	Ölü Yük	-0.030477	-0.032574	-0.005393	-2.7966E-06	0.0079179	-0.024485
642		-0.018404	-0.032574	-0.005393	-2.7966E-06	-6.3657E-05	0.023724
X: 2m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.0042176	0.015942	0.0016844	8.0266E-06	-0.00251	0.011965
Zj: 7.54		0.0042176	0.015942	0.0016844	8.0266E-06	-1.7071E-05	-0.011629
	Rüzgar Yükü Y	0.0042176	0.015942	0.0016844	8.0266E-06	-0.00251	0.011965
		0.0042176	0.015942	0.0016844	8.0266E-06	-1.7071E-05	-0.011629
	Kar Yükü	-0.0079197	-0.030191	-0.0031039	-1.221E-07	0.0046233	-0.022659
		-0.0079197	-0.030191	-0.0031039	-1.221E-07	2.9559E-05	0.022023
	Deprem X	0.0064997	0.011126	0.031267	-9.8478E-05	-0.047931	0.0083775
		0.0064997	0.011126	0.031267	-9.8478E-05	-0.0016558	-0.0080895
	Deprem Y	0.00096708	0.0011243	0.0056276	6.2889E-05	-0.0086306	0.0008449
		0.00096708	0.0011243	0.0056276	6.2889E-05	-0.00030194	-0.00081901
B18	Ölü Yük	-0.021828	-0.039151	-0.0030404	-4.3974E-06	0.0044536	-0.029299
643		-0.0097561	-0.039151	-0.0030404	-4.3974E-06	-4.6234E-05	0.028644
X: 5.625m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.00074224	0.018776	0.0012491	1.2717E-06	-0.0019032	0.014049
Zj: 7.54		0.00074224	0.018776	0.0012491	1.2717E-06	-5.4551E-05	-0.01374
	Rüzgar Yükü Y	0.00074224	0.018776	0.0012491	1.2717E-06	-0.0019032	0.014049
		0.00074224	0.018776	0.0012491	1.2717E-06	-5.4551E-05	-0.01374
	Kar Yükü	-0.0013709	-0.035714	-0.0021426	2.1616E-06	0.0032629	-0.026721
		-0.0013709	-0.035714	-0.0021426	2.1616E-06	9.1916E-05	0.026136
	Deprem X	0.00136	0.015738	-0.00015059	1.0947E-05	0.00025394	0.011818
		0.00136	0.015738	-0.00015059	1.0947E-05	3.875E-05	-0.011475
	Deprem Y	0.00055666	0.00048447	0.0038448	1.7251E-05	-0.0059	0.00036275
		0.00055666	0.00048447	0.0038448	1.7251E-05	-0.00020973	-0.00035427
B18	Ölü Yük	-0.015961	-0.017727	-0.0023714	-4.2053E-07	0.0035598	-0.013252
644		-0.0038884	-0.017727	-0.0023714	-4.2053E-07	5.017E-05	0.012984
X: 9.375m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.06	Rüzgar Yükü X	-0.0018162	0.0084594	0.001414	-1.3423E-06	-0.0022158	0.0063231
Zj: 7.54		-0.0018162	0.0084594	0.001414	-1.3423E-06	-0.00012315	-0.0061968
	Rüzgar Yükü Y	-0.0018162	0.0084594	0.001414	-1.3423E-06	-0.0022158	0.0063231
		-0.0018162	0.0084594	0.001414	-1.3423E-06	-0.00012315	-0.0061968
	Kar Yükü	0.0037233	-0.016163	-0.0016116	2.1916E-06	0.0025643	-0.012081
		0.0037233	-0.016163	-0.0016116	2.1916E-06	0.00017914	0.01184
	Deprem X	0.00021548	0.017882	-0.00013316	9.2196E-06	0.00020331	0.013412
		0.00021548	0.017882	-0.00013316	9.2196E-06	7.6641E-06	-0.013053
	Deprem Y	0.0010372	-0.00010353	0.0050997	-3.1873E-06	-0.0078193	-7.7275E-05
		0.0010372	-0.00010353	0.0050997	-3.1873E-06	-0.0002717	7.596E-05
B18	Ölü Yük	-0.015902	0.014997	-0.0023975	6.4543E-07	0.0036013	0.011219
645		-0.0038297	0.014997	-0.0023975	6.4543E-07	5.3021E-05	-0.010976
X: 13.125m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0018303	-0.0071831	0.0014637	1.3668E-06	-0.0022927	-0.0053728
Zj: 7.54		-0.0018303	-0.0071831	0.0014637	1.3668E-06	-0.00012642	0.0052582
	Rüzgar Yükü Y	-0.0018303	-0.0071831	0.0014637	1.3668E-06	-0.0022927	-0.0053728
		-0.0018303	-0.0071831	0.0014637	1.3668E-06	-0.00012642	0.0052582
	Kar Yükü	0.0037594	0.013728	-0.0016608	-2.0707E-06	0.002641	0.010268
		0.0037594	0.013728	-0.0016608	-2.0707E-06	0.00018299	-0.010049
	Deprem X	-0.000226	0.017841	0.00013641	9.2206E-06	-0.00020782	0.013381
		-0.000226	0.017841	0.00013641	9.2206E-06	-7.4862E-06	-0.013023
	Deprem Y	0.0010515	0.00022272	0.0052422	3.823E-06	-0.0080378	0.00016605
		0.0010515	0.00022272	0.0052422	3.823E-06	-0.00027939	-0.00016357
B18	Ölü Yük	-0.01968	0.036036	-0.0029772	4.5954E-06	0.0044052	0.026955
646		-0.007608	0.036036	-0.0029772	4.5954E-06	-1.0656E-06	-0.026378
X: 16.875m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.00029101	-0.017376	0.001234	-1.4592E-06	-0.0019034	-0.012994
Zj: 7.54		-0.00029101	-0.017376	0.001234	-1.4592E-06	-7.7089E-05	0.012722
	Rüzgar Yükü Y	-0.00029101	-0.017376	0.001234	-1.4592E-06	-0.0019034	-0.012994
		-0.00029101	-0.017376	0.001234	-1.4592E-06	-7.7089E-05	0.012722
	Kar Yükü	0.00059114	0.033044	-0.0021174	-2.1252E-06	0.0032687	0.02471
		0.00059114	0.033044	-0.0021174	-2.1252E-06	0.00013493	-0.024195
	Deprem X	-0.0008224	0.015654	0.00034439	1.1225E-05	-0.00054647	0.011749
		-0.0008224	0.015654	0.00034439	1.1225E-05	-3.8425E-05	-0.011418
	Deprem Y	0.0004612	-0.00040548	0.0032951	-1.8582E-05	-0.0050575	-0.00030351
		0.0004612	-0.00040548	0.0032951	-1.8582E-05	-0.0001808	0.00029661
B18	Ölü Yük	-0.010165	-0.050585	0.019697	-1.3849E-05	-0.021491	-0.037574
636		0.0019075	-0.050585	0.019697	-1.3849E-05	0.0076608	0.037291
X: 2m	Hareketli Yük	0	0	0	0	0	0
Y: 1.0624		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0042362	0.017638	-0.0057982	9.0817E-06	0.0059847	0.013108
Zj: 7.54		-0.0042362	0.017638	-0.0057982	9.0817E-06	-0.0025966	-0.012996
	Rüzgar Yükü Y	-0.0042362	0.017638	-0.0057982	9.0817E-06	0.0059847	0.013108
		-0.0042362	0.017638	-0.0057982	9.0817E-06	-0.0025966	-0.012996

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	0.0072417	-0.03294	0.0099628	1.7752E-07	-0.0098227	-0.024489
		0.0072417	-0.03294	0.0099628	1.7752E-07	0.0049222	0.024262
	Deprem X	-0.015465	0.023663	-0.031475	9.2128E-05	0.046283	0.017503
		-0.015465	0.023663	-0.031475	9.2128E-05	-0.0032347	-0.017538
	Deprem Y	-0.00223	-0.0017254	-0.0081002	7.225E-05	0.01268	-0.0013483
		-0.00223	-0.0017254	-0.0081002	7.225E-05	0.00074822	0.0012125
A2	Ölü Yük	-0.0024918	0.0035974	-0.066459	-2.2094E-05	1.3637E-06	3.1734E-05
365		-0.0024665	-0.0035782	0.066228	-2.2094E-05	0.00022363	3.1482E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0021093	-1.2814E-05	0.094619	3.9306E-06	-8.9706E-05	-2.1736E-05
Yj: 4.946		0.0021093	-1.2814E-05	-0.093987	3.9306E-06	-0.00022563	2.4973E-05
Zi: 6.9631	Rüzgar Yükü Y	0.0021093	-1.2814E-05	0.094619	3.9306E-06	-8.9706E-05	-2.1736E-05
Zj: 6.9631		0.0021093	-1.2814E-05	-0.093987	3.9306E-06	-0.00022563	2.4973E-05
	Kar Yükü	-0.0059198	0.0095718	-0.17689	-5.8402E-06	0.00017016	8.6208E-05
		-0.0058253	-0.0095	0.17571	-5.8402E-06	0.00042339	8.5687E-05
	Deprem X	-0.041669	5.8704E-05	0.00079599	2.6028E-06	-0.0013746	0.00011057
		-0.041669	5.8704E-05	0.00079599	2.6028E-06	0.0015284	-0.00010417
	Deprem Y	-0.0080624	-0.0001046	-1.0604E-06	1.2877E-06	1.0286E-05	-0.00019144
		-0.0080624	-0.0001046	-1.0604E-06	1.2877E-06	6.6894E-06	0.00018983
A2	Ölü Yük	0.00025891	0.003498	-0.064722	-1.785E-05	-8.5175E-06	3.1809E-05
366		0.00024294	-0.0034778	0.064542	-1.785E-05	0.00028427	2.8446E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0040459	-1.4015E-05	0.091157	-1.8783E-06	-8.513E-05	-2.1724E-05
Yj: 3.7778		-0.0040459	-1.4015E-05	-0.090588	-1.8783E-06	-0.0002903	2.936E-05
Zi: 7.0266	Rüzgar Yükü Y	-0.0040459	-1.4015E-05	0.091157	-1.8783E-06	-8.513E-05	-2.1724E-05
Zj: 7.0266		-0.0040459	-1.4015E-05	-0.090588	-1.8783E-06	-0.0002903	2.936E-05
	Kar Yükü	0.0086454	0.0091979	-0.17042	4.6617E-06	0.00016062	8.3001E-05
		0.0085856	-0.0091262	0.16936	4.6617E-06	0.00053731	7.769E-05
	Deprem X	-0.01754	0.00017605	0.00060101	-3.4863E-06	-0.0010126	0.00032648
		-0.01754	0.00017605	0.00060101	-3.4863E-06	0.00118	-0.0003159
	Deprem Y	0.0050222	-0.00010886	-7.8909E-06	-8.2096E-07	3.8728E-06	-0.00019031
		0.0050222	-0.00010886	-7.8909E-06	-8.2096E-07	-2.4964E-05	0.00020648
A2	Ölü Yük	0.0049152	0.0031035	-0.057264	-5.584E-05	9.1511E-06	1.9912E-05
367		0.0049306	-0.0031086	0.057432	-5.584E-05	0.00031595	2.9294E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.0063956	-1.2754E-05	0.076212	9.6616E-06	-7.9643E-05	-1.896E-05
Yj: 2.5296		-0.0063956	-1.2754E-05	-0.076356	9.6616E-06	-0.00034238	2.7527E-05
Zi: 7.0941	Rüzgar Yükü Y	-0.0063956	-1.2754E-05	0.076212	9.6616E-06	-7.9643E-05	-1.896E-05
Zj: 7.0941		-0.0063956	-1.2754E-05	-0.076356	9.6616E-06	-0.00034238	2.7527E-05
	Kar Yükü	0.018286	0.0077264	-0.14251	-1.5508E-05	0.00014549	6.4263E-05
		0.018344	-0.0077377	0.14272	-1.5508E-05	0.00052766	8.4795E-05
	Deprem X	-0.039129	0.00023358	0.00039951	-4.729E-06	-0.00050061	0.00039343
		-0.039129	0.00023358	0.00039951	-4.729E-06	0.00096955	-0.0004584

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.028611	-0.00012966	-0.0001321	4.2585E-06	-1.5441E-05	-0.00019082
		0.028611	-0.00012966	-0.0001321	4.2585E-06	-0.00049644	0.00028178
A2	Ölü Yük	-0.0067178	0.0021602	-0.040382	-3.0476E-06	-0.00012267	4.5699E-07
361		-0.0067325	-0.0021783	0.040582	-3.0476E-06	0.0002412	3.3402E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 9.759	Rüzgar Yükü X	1.2955E-06	-9.791E-06	0.042451	-4.2824E-06	2.8825E-05	-1.2796E-05
Yj: 9.759		1.2955E-06	-9.791E-06	-0.042555	-4.2824E-06	-0.00016109	2.2892E-05
Zi: 6.703	Rüzgar Yükü Y	1.2955E-06	-9.791E-06	0.042451	-4.2824E-06	2.8825E-05	-1.2796E-05
Zj: 6.703		1.2955E-06	-9.791E-06	-0.042555	-4.2824E-06	-0.00016109	2.2892E-05
	Kar Yükü	-0.00048965	0.0042191	-0.079363	1.021E-05	-5.5701E-05	2.0498E-05
		-0.00054485	-0.004229	0.07956	1.021E-05	0.00030299	3.8483E-05
	Deprem X	-0.0098903	-0.00019708	6.1594E-05	2.9553E-06	-8.4809E-05	-0.0003779
		-0.0098903	-0.00019708	6.1594E-05	2.9553E-06	0.00014091	0.00034101
	Deprem Y	-0.0020287	-0.00010116	-3.0078E-06	2.3966E-06	7.2394E-06	-0.00018724
		-0.0020287	-0.00010116	-3.0078E-06	2.3966E-06	-4.743E-06	0.00018148
A2	Ölü Yük	0.0048202	0.0033405	-0.061443	-1.1317E-05	-1.8863E-07	2.2557E-05
362		0.0047958	-0.0033467	0.061566	-1.1317E-05	0.00022541	3.3776E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0076344	-1.2678E-05	0.084563	2.9898E-06	-7.7036E-05	-1.8954E-05
Yj: 8.7705		-0.0076344	-1.2678E-05	-0.084655	2.9898E-06	-0.00024445	2.7258E-05
Zi: 6.7567	Rüzgar Yükü Y	-0.0076344	-1.2678E-05	0.084563	2.9898E-06	-7.7036E-05	-1.8954E-05
Zj: 6.7567		-0.0076344	-1.2678E-05	-0.084655	2.9898E-06	-0.00024445	2.7258E-05
	Kar Yükü	0.012839	0.0086213	-0.15809	-3.3356E-06	0.00014086	7.2127E-05
		0.012748	-0.0086217	0.15827	-3.3356E-06	0.00046423	7.2833E-05
	Deprem X	-0.044797	-0.00021304	0.0003518	4.7344E-06	-0.00050469	-0.00039619
		-0.044797	-0.00021304	0.0003518	4.7344E-06	0.00079079	0.00038046
	Deprem Y	-0.0082283	-0.00010503	1.2679E-05	3.6852E-06	-7.9533E-06	-0.00019169
		-0.0082283	-0.00010503	1.2679E-05	3.6852E-06	3.8787E-05	0.00019113
A2	Ölü Yük	0.0057276	0.0036081	-0.066493	-1.552E-05	2.63E-05	3.1956E-05
363		0.0057314	-0.0035904	0.066268	-1.552E-05	0.00026169	3.4552E-05
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0080528	-1.2339E-05	0.094673	3.5465E-06	-9.9133E-05	-2.2344E-05
Yj: 7.5223		-0.0080528	-1.2339E-05	-0.094078	3.5465E-06	-0.00030433	2.2631E-05
Zi: 6.8242	Rüzgar Yükü Y	-0.0080528	-1.2339E-05	0.094673	3.5465E-06	-9.9133E-05	-2.2344E-05
Zj: 6.8242		-0.0080528	-1.2339E-05	-0.094078	3.5465E-06	-0.00030433	2.2631E-05
	Kar Yükü	0.014248	0.0096137	-0.17699	-5.2795E-06	0.00018599	8.756E-05
		0.014263	-0.009544	0.17588	-5.2795E-06	0.00057209	9.1436E-05
	Deprem X	-0.034659	-0.00019708	0.00060656	5.0557E-06	-0.00096893	-0.00036108
		-0.034659	-0.00019708	0.00060656	5.0557E-06	0.0012519	0.0003576
	Deprem Y	-0.0040096	-0.00010634	2.8004E-06	6.8875E-07	4.6527E-06	-0.00019276
		-0.0040096	-0.00010634	2.8004E-06	6.8875E-07	1.4806E-05	0.00019484
A2	Ölü Yük	0.0038404	0.0036369	-0.067577	-1.4774E-05	9.4969E-06	3.3437E-05
364		0.0038171	-0.003641	0.067702	-1.4774E-05	0.00023724	4.0961E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 18.755m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.0054288	-1.0249E-05	0.096849	-3.4749E-07	-9.4178E-05	-2.2546E-05
Yj: 6.2741		-0.0054288	-1.0249E-05	-0.09694	-3.4749E-07	-0.00026136	1.4813E-05
Zi: 6.8916	Rüzgar Yükü Y	-0.0054288	-1.0249E-05	0.096849	-3.4749E-07	-9.4178E-05	-2.2546E-05
Zj: 6.8916		-0.0054288	-1.0249E-05	-0.09694	-3.4749E-07	-0.00026136	1.4813E-05
	Kar Yükü	0.0098056	0.0097227	-0.18107	2.158E-06	0.00017844	8.9193E-05
		0.0097183	-0.0097323	0.18124	2.158E-06	0.00048741	0.00010659
	Deprem X	-0.022098	-0.00013535	0.00079049	3.1618E-06	-0.001347	-0.00025454
		-0.022098	-0.00013535	0.00079049	3.1618E-06	0.0015355	0.00023913
	Deprem Y	-0.0020912	-0.00010524	-4.1654E-06	1.1408E-06	1.0329E-05	-0.00019175
		-0.0020912	-0.00010524	-4.1654E-06	1.1408E-06	-4.8655E-06	0.00019186
A3	Ölü Yük	0.0049709	0.0031868	-0.058932	5.4665E-05	0.00032893	3.1934E-05
327		0.0049625	-0.0031657	0.058471	5.4665E-05	1.1683E-05	2.1999E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 2.5296	Rüzgar Yükü X	-0.0065041	1.2637E-05	0.078317	-9.2479E-06	-0.00035789	2.8051E-05
Yj: 2.5296		-0.0065041	1.2637E-05	-0.077587	-9.2479E-06	-8.5309E-05	-1.9274E-05
Zi: 7.0941	Rüzgar Yükü Y	-0.0065041	1.2637E-05	0.078317	-9.2479E-06	-0.00035789	2.8051E-05
Zj: 7.0941		-0.0065041	1.2637E-05	-0.077587	-9.2479E-06	-8.5309E-05	-1.9274E-05
	Kar Yükü	0.018603	0.0079229	-0.14636	1.478E-05	0.0005544	9.0309E-05
		0.018572	-0.007853	0.14505	1.478E-05	0.0001554	7.0349E-05
	Deprem X	0.038952	0.00022764	0.00038782	-4.5058E-06	-0.00096737	0.000459
		0.038952	0.00022764	0.00038782	-4.5058E-06	0.0004988	-0.00039396
	Deprem Y	0.028854	0.00012766	0.00013101	-4.3415E-06	-0.0005058	0.00028541
		0.028854	0.00012766	0.00013101	-4.3415E-06	-1.5759E-05	-0.00019268
A3	Ölü Yük	-0.018024	0.0022378	-0.041533	2.8373E-06	0.00028516	4.701E-05
321		-0.018015	-0.0022053	0.041159	2.8373E-06	-0.00011294	2.3228E-06
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 9.759	Rüzgar Yükü X	0.0050156	8.1146E-06	0.043391	4.3834E-06	-0.00018351	1.7655E-05
Yj: 9.759		0.0050156	8.1146E-06	-0.042957	4.3834E-06	2.2659E-05	-1.2734E-05
Zi: 6.703	Rüzgar Yükü Y	0.0050156	8.1146E-06	0.043391	4.3834E-06	-0.00018351	1.7655E-05
Zj: 6.703		0.0050156	8.1146E-06	-0.042957	4.3834E-06	2.2659E-05	-1.2734E-05
	Kar Yükü	-0.010085	0.004337	-0.081123	-1.0404E-05	0.0003454	5.2138E-05
		-0.010051	-0.0042892	0.08031	-1.0404E-05	-4.3975E-05	2.312E-05
	Deprem X	0.013006	-0.0001928	6.3438E-05	2.8834E-06	-0.00015195	-0.0003437
		0.013006	-0.0001928	6.3438E-05	2.8834E-06	8.6728E-05	0.00037886
	Deprem Y	-0.0019021	9.9582E-05	3.1396E-06	-2.4598E-06	-5.1954E-06	0.00018346
		-0.0019021	9.9582E-05	3.1396E-06	-2.4598E-06	7.52E-06	-0.00018948
A3	Ölü Yük	0.0060885	0.0034313	-0.063301	1.1037E-05	0.00023279	3.9339E-05
322		0.0061115	-0.0034056	0.062852	1.1037E-05	-3.422E-07	2.4083E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 8.7705	Rüzgar Yükü X	-0.0083009	1.1841E-05	0.087093	-2.8117E-06	-0.00025706	2.5943E-05
Yj: 8.7705		-0.0083009	1.1841E-05	-0.086349	-2.8117E-06	-8.2257E-05	-1.8402E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.7567	Rüzgar Yükü Y	-0.0083009	1.1841E-05	0.087093	-2.8117E-06	-0.00025706	2.5943E-05
Zj: 6.7567		-0.0083009	1.1841E-05	-0.086349	-2.8117E-06	-8.2257E-05	-1.8402E-05
	Kar Yükü	0.014012	0.0088292	-0.16279	2.9965E-06	0.00048747	8.215E-05
		0.014098	-0.0087606	0.16139	2.9965E-06	0.00015075	7.7164E-05
	Deprem X	0.044281	-0.00020762	0.00034117	4.6408E-06	-0.00078847	-0.0003811
		0.044281	-0.00020762	0.00034117	4.6408E-06	0.00050279	0.00039655
	Deprem Y	-0.0082654	0.00010323	-1.1742E-05	-3.6723E-06	3.8057E-05	0.00019301
		-0.0082654	0.00010323	-1.1742E-05	-3.6723E-06	-6.5064E-06	-0.00019357
A3	Ölü Yük	0.0064816	0.0036818	-0.067939	1.5528E-05	0.0002711	3.683E-05
323		0.0064808	-0.0036804	0.067809	1.5528E-05	2.7455E-05	3.423E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 7.5223	Rüzgar Yükü X	-0.0084535	1.199E-05	0.096259	-3.5352E-06	-0.00031854	2.2785E-05
Yj: 7.5223		-0.0084535	1.199E-05	-0.096145	-3.5352E-06	-0.00010526	-2.2118E-05
Zi: 6.8242	Rüzgar Yükü Y	-0.0084535	1.199E-05	0.096259	-3.5352E-06	-0.00031854	2.2785E-05
Zj: 6.8242		-0.0084535	1.199E-05	-0.096145	-3.5352E-06	-0.00010526	-2.2118E-05
	Kar Yükü	0.015011	0.0097796	-0.18016	5.2051E-06	0.00059935	9.8579E-05
		0.015008	-0.0097773	0.17995	5.2051E-06	0.00019754	9.4181E-05
	Deprem X	0.034147	-0.00019181	0.00058864	4.9376E-06	-0.0012485	-0.00035753
		0.034147	-0.00019181	0.00058864	4.9376E-06	0.00096607	0.00036115
	Deprem Y	-0.0040487	0.00010431	-2.1642E-06	-6.6295E-07	1.3888E-05	0.00019638
		-0.0040487	0.00010431	-2.1642E-06	-6.6295E-07	5.8854E-06	-0.00019426
A3	Ölü Yük	0.0038808	0.0037372	-0.069405	1.4807E-05	0.00025029	4.3557E-05
324		0.0039073	-0.0037135	0.068908	1.4807E-05	1.2329E-05	3.6377E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 6.2741	Rüzgar Yükü X	-0.0054726	1.0027E-05	0.098618	3.1137E-07	-0.00027515	1.4883E-05
Yj: 6.2741		-0.0054726	1.0027E-05	-0.097789	3.1137E-07	-0.00010078	-2.2669E-05
Zi: 6.8916	Rüzgar Yükü Y	-0.0054726	1.0027E-05	0.098618	3.1137E-07	-0.00027515	1.4883E-05
Zj: 6.8916		-0.0054726	1.0027E-05	-0.097789	3.1137E-07	-0.00010078	-2.2669E-05
	Kar Yükü	0.0098659	0.0099859	-0.18564	-2.1178E-06	0.00051633	0.00011405
		0.0099651	-0.0099021	0.18408	-2.1178E-06	0.00019179	9.682E-05
	Deprem X	0.021649	-0.00013165	0.00076823	3.0616E-06	-0.0015338	-0.00023889
		0.021649	-0.00013165	0.00076823	3.0616E-06	0.0013444	0.00025444
	Deprem Y	-0.002137	0.00010315	4.641E-06	-1.245E-06	-5.9161E-06	0.00019321
		-0.002137	0.00010315	4.641E-06	-1.245E-06	1.1472E-05	-0.0001931
A3	Ölü Yük	-0.0025505	0.0036651	-0.067938	2.2105E-05	0.00023565	3.4094E-05
325		-0.0025715	-0.0036653	0.067815	2.2105E-05	5.086E-06	3.4499E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 4.946	Rüzgar Yükü X	0.0021132	1.2565E-05	0.096116	-3.8549E-06	-0.00023917	2.5177E-05
Yj: 4.946		0.0021132	1.2565E-05	-0.09604	-3.8549E-06	-9.73E-05	-2.1879E-05
Zi: 6.9631	Rüzgar Yükü Y	0.0021132	1.2565E-05	0.096116	-3.8549E-06	-0.00023917	2.5177E-05
Zj: 6.9631		0.0021132	1.2565E-05	-0.09604	-3.8549E-06	-9.73E-05	-2.1879E-05
	Kar Yükü	-0.0058909	0.0097184	-0.18013	5.6752E-06	0.00044972	9.2442E-05
		-0.0059697	-0.009719	0.17999	5.6752E-06	0.00018474	9.3532E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.040907	5.706E-05	0.00077381	2.5196E-06	-0.0015273	0.00010398
		0.040907	5.706E-05	0.00077381	2.5196E-06	0.0013722	-0.00011048
	Deprem Y	-0.0081862	0.00010255	1.6633E-06	-1.3973E-06	5.7167E-06	0.0001912
		-0.0081862	0.00010255	1.6633E-06	-1.3973E-06	1.1691E-05	-0.00019286
A3	Ölü Yük	0.00020807	0.0035703	-0.066056	1.8039E-05	0.00029676	3.1141E-05
326		0.00022242	-0.0035721	0.065895	1.8039E-05	-5.1561E-06	3.4435E-05
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.745		0	0	0	0	0	0
Yi: 3.7778	Rüzgar Yükü X	-0.0040551	1.3797E-05	0.092421	1.8527E-06	-0.00030429	2.9725E-05
Yj: 3.7778		-0.0040551	1.3797E-05	-0.092308	1.8527E-06	-9.2178E-05	-2.1945E-05
Zi: 7.0266	Rüzgar Yükü Y	-0.0040551	1.3797E-05	0.092421	1.8527E-06	-0.00030429	2.9725E-05
Zj: 7.0266		-0.0040551	1.3797E-05	-0.092308	1.8527E-06	-9.2178E-05	-2.1945E-05
	Kar Yükü	0.0086496	0.0093653	-0.17305	-4.5777E-06	0.00056397	8.4278E-05
		0.0087034	-0.0093686	0.17284	-4.5777E-06	0.0001737	9.0419E-05
	Deprem X	0.01724	0.00017153	0.00058373	-3.3652E-06	-0.0011781	0.0003162
		0.01724	0.00017153	0.00058373	-3.3652E-06	0.0010099	-0.00032687
	Deprem Y	0.005079	0.00010689	8.3092E-06	7.4036E-07	-2.6262E-05	0.00020837
		0.005079	0.00010689	8.3092E-06	7.4036E-07	4.9203E-06	-0.00019191
A4	Ölü Yük	0.0055004	0.0028722	-0.049629	-2.6148E-06	0.041489	0.0029757
336		0.0054985	-0.001272	0.027292	-2.6148E-06	-7.3854E-05	-6.6345E-06
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.495		0	0	0	0	0	0
Yi: 1.581	Rüzgar Yükü X	0.021428	0.00017516	0.047971	7.728E-06	-0.039061	0.00064751
Yj: 1.581		0.021428	0.00017516	-0.026822	7.728E-06	1.4816E-05	-8.472E-06
Zi: 7.1453	Rüzgar Yükü Y	0.021428	0.00017516	0.047971	7.728E-06	-0.039061	0.00064751
Zj: 7.1453		0.021428	0.00017516	-0.026822	7.728E-06	1.4816E-05	-8.472E-06
	Kar Yükü	0.016631	0.0049642	-0.089204	-1.5992E-05	0.071242	0.0044855
		0.016623	-0.0025429	0.050623	-1.5992E-05	-1.8735E-05	4.3217E-06
	Deprem X	0.086189	0.006159	0.0020725	1.5897E-06	-0.0079004	0.022715
		0.086189	0.006159	0.0020725	1.5897E-06	-0.00018315	-0.00035106
	Deprem Y	0.24496	0.0024395	0.0019931	-3.3088E-06	-0.0074314	0.0090107
		0.24496	0.0024395	0.0019931	-3.3088E-06	3.2694E-05	-0.00012529
B4	Ölü Yük	0.11064	-0.041589	-0.27632	-3.337E-05	0.066782	-0.028701
661		0	0	0	0	0	0
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.035888	0.02037	0.10173	-2.5906E-05	-0.024069	0.014008
Zj: 7.65		0	0	0	0	0	0
	Rüzgar Yükü Y	-0.035888	0.02037	0.10173	-2.5906E-05	-0.024069	0.014008
		0	0	0	0	0	0
	Kar Yükü	0.071244	-0.038652	-0.19141	-2.8296E-05	0.045162	-0.026582
		0	0	0	0	0	0
	Deprem X	0.01198	0.041104	0.013552	0.00099633	-0.0034266	0.018052
		0	6.127E-05	0	0	0	0
	Deprem Y	0.0054466	0.00099447	-0.0038784	-0.00031601	0.00079747	0.00066388
		0	0	2.5868E-05	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
A5	Ölü Yük	0.0054957	0.0012836	-0.02747	1.5459E-06	-7.2747E-05	-6.5828E-06
360		0.0054936	-0.0028616	0.049309	1.5459E-06	0.041082	0.0029622
Xi: 15.005m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 1.581	Rüzgar Yükü X	0.021486	-0.00018057	0.027201	-7.5186E-06	1.3443E-05	-8.6493E-06
Yj: 1.581		0.021486	-0.00018057	-0.047304	-7.5186E-06	-0.038153	0.0006676
Zi: 7.1453	Rüzgar Yükü Y	0.021486	-0.00018057	0.027201	-7.5186E-06	1.3443E-05	-8.6493E-06
Zj: 7.1453		0.021486	-0.00018057	-0.047304	-7.5186E-06	-0.038153	0.0006676
	Kar Yükü	0.016602	0.0025688	-0.051343	1.5632E-05	-1.6871E-05	3.6848E-06
		0.016595	-0.0049416	0.087948	1.5632E-05	0.069504	0.0044995
	Deprem X	-0.085356	0.006142	0.0020774	1.5371E-06	0.00018445	0.00035052
		-0.085356	0.006142	0.0020774	1.5371E-06	0.0079182	-0.022652
	Deprem Y	0.24526	-0.0025321	-0.0020241	3.2206E-06	3.1055E-05	-0.00013033
		0.24526	-0.0025321	-0.0020241	3.2206E-06	-0.0075494	0.0093525
A6	Ölü Yük	0.0067639	0.0024439	-0.04963	-4.4702E-05	0.040077	0.0013335
368		0.0064367	-0.0017191	0.027752	-4.4702E-05	0.0002509	1.9407E-05
Xi: 18.749m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.399		0	0	0	0	0	0
Yi: 1.581	Rüzgar Yükü X	0.0071205	-0.0005992	0.048658	-5.4012E-06	-0.036166	-0.0021292
Yj: 1.9122		0.0071313	-0.00058208	-0.028753	-5.4012E-06	-0.00022186	3.5433E-05
Zi: 7.1453	Rüzgar Yükü Y	0.0071205	-0.0005992	0.048658	-5.4012E-06	-0.036166	-0.0021292
Zj: 7.1269		0.0071313	-0.00058208	-0.028753	-5.4012E-06	-0.00022186	3.5433E-05
	Kar Yükü	0.014642	0.004668	-0.091491	-2.3023E-08	0.069397	0.0029114
		0.014147	-0.0030804	0.05323	-2.3023E-08	0.00027657	5.5321E-05
	Deprem X	-0.060742	0.0063875	-0.00075738	4.8037E-05	0.003048	0.022811
		-0.060742	0.0063875	-0.00075738	4.8037E-05	0.00046968	-0.00060139
	Deprem Y	0.12019	-0.0056324	-0.0023065	-5.3157E-05	0.0078506	-0.02019
		0.12019	-0.0056324	-0.0023065	-5.3157E-05	-0.00060283	0.0004534
A7	Ölü Yük	0.0064584	0.0017657	-0.029105	4.4532E-05	0.00025923	2.0897E-05
328		0.0067856	-0.002525	0.05047	4.4532E-05	0.040476	0.00145
Xi: 0.00083122m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.7508		0	0	0	0	0	0
Yi: 1.9122	Rüzgar Yükü X	0.0072887	0.00056251	0.030051	5.1977E-06	-0.00023131	3.6232E-05
Yj: 1.581		0.0072778	0.00057922	-0.049643	5.1977E-06	-0.037109	-0.0021129
Zi: 7.1269	Rüzgar Yükü Y	0.0072887	0.00056251	0.030051	5.1977E-06	-0.00023131	3.6232E-05
Zj: 7.1453		0.0072778	0.00057922	-0.049643	5.1977E-06	-0.037109	-0.0021129
	Kar Yükü	0.014137	0.0031808	-0.05567	1.1887E-07	0.00029015	5.7138E-05
		0.014632	-0.0048328	0.093318	1.1887E-07	0.071156	0.0031666
	Deprem X	0.060454	0.00608	-0.00074054	4.5259E-05	-0.00046689	0.00060242
		0.060454	0.00608	-0.00074054	4.5259E-05	-0.0030463	-0.022289
	Deprem Y	0.12119	0.0054068	0.0022393	5.1604E-05	-0.00062018	0.00046029
		0.12119	0.0054068	0.0022393	5.1604E-05	0.0078101	-0.019894
B10	Ölü Yük	-0.013613	0.0049184	-0.0093622	1.4973E-05	-0.0045549	0.0057464
445		-0.013613	0.0049184	0.01698	1.4973E-05	-9.8945E-05	-7.6751E-06
Xi: 13.125m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.125		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 9.88	Rüzgar Yükü X	0.013875	-0.0032181	-0.0019394	-9.2114E-08	0.0023383	-0.0037587
Yj: 8.7101		0.013875	-0.0032181	-0.0019394	-9.2114E-08	6.9383E-05	6.1125E-06
Zi: 5.95	Rüzgar Yükü Y	0.013875	-0.0032181	-0.0019394	-9.2114E-08	0.0023383	-0.0037587
Zj: 5.95		0.013875	-0.0032181	-0.0019394	-9.2114E-08	6.9383E-05	6.1125E-06
	Kar Yükü	-0.0099486	0.0037603	0.0022461	-1.5538E-06	-0.0027082	0.0043931
		-0.0099486	0.0037603	0.0022461	-1.5538E-06	-8.0512E-05	-6.0623E-06
	Deprem X	0.0018359	-0.034657	-0.00017609	3.0262E-06	0.00020929	-0.042528
		0.0018359	-0.038046	-0.00017609	3.0262E-06	5.5426E-06	6.4802E-05
	Deprem Y	0.051903	-0.010033	-0.0068006	-2.2181E-06	0.0081241	-0.011715
		0.054768	-0.010033	-0.0068006	-2.2181E-06	0.00016936	2.2959E-05
B10	Ölü Yük	-0.013304	-0.0047878	-0.009403	-1.4356E-05	-0.0045129	-0.0055942
453		-0.013304	-0.0047878	0.016939	-1.4356E-05	-0.00010466	7.0725E-06
Xi: 9.375m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.375		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.013375	0.0028776	-0.0018694	-2.7867E-07	0.0022602	0.0033612
Yj: 8.7101		0.013375	0.0028776	-0.0018694	-2.7867E-07	7.3193E-05	-5.2676E-06
Zi: 5.95	Rüzgar Yükü Y	0.013375	0.0028776	-0.0018694	-2.7867E-07	0.0022602	0.0033612
Zj: 5.95		0.013375	0.0028776	-0.0018694	-2.7867E-07	7.3193E-05	-5.2676E-06
	Kar Yükü	-0.009524	-0.0036134	0.002175	2.2224E-06	-0.0026298	-0.0042217
		-0.009524	-0.0036134	0.002175	2.2224E-06	-8.5243E-05	5.5388E-06
	Deprem X	-0.0018006	-0.034674	0.00017222	3.1299E-06	-0.00020469	-0.042547
		-0.0018006	-0.038061	0.00017222	3.1299E-06	-5.2246E-06	6.4859E-05
	Deprem Y	0.050923	0.0086141	-0.0066053	1.8223E-06	0.0079036	0.010058
		0.053756	0.0086141	-0.0066053	1.8223E-06	0.000177	-1.9462E-05
B10	Ölü Yük	-0.010244	-0.010972	-0.0086011	-6.4585E-05	-0.0054218	-0.012816
461		-0.010244	-0.010972	0.017741	-6.4585E-05	-7.5422E-05	1.983E-05
Xi: 5.625m	Hareketli Yük	0	0	0	0	0	0
Xj: 5.625		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	-0.00054536	-0.0027054	-0.0016347	1.2282E-05	0.0019426	-0.0031627
Yj: 8.7101		-0.00054536	-0.0027054	-0.0016347	1.2282E-05	3.0229E-05	2.2802E-06
Zi: 5.95	Rüzgar Yükü Y	-0.00054536	-0.0027054	-0.0016347	1.2282E-05	0.0019426	-0.0031627
Zj: 5.95		-0.00054536	-0.0027054	-0.0016347	1.2282E-05	3.0229E-05	2.2802E-06
	Kar Yükü	-0.0065911	-0.0079861	0.0027961	-1.9904E-05	-0.003334	-0.0093278
		-0.0065911	-0.0079861	0.0027961	-1.9904E-05	-6.2887E-05	1.5059E-05
	Deprem X	-0.0038918	-0.038405	0.00021623	-3.0287E-06	-0.00025312	-0.046914
		-0.0038918	-0.041804	0.00021623	-3.0287E-06	-2.0601E-05	7.0988E-05
	Deprem Y	-0.041884	-0.055086	-0.005115	6.4494E-06	0.0059567	-0.064364
		-0.03918	-0.055086	-0.005115	6.4494E-06	-8.6501E-05	8.1513E-05
B10	Ölü Yük	-0.0088664	-0.0073562	-0.0053378	-1.897E-05	-0.0091382	-0.008591
469		-0.0088664	-0.0073562	0.021004	-1.897E-05	2.5858E-05	1.5024E-05
Xi: 2m	Hareketli Yük	0	0	0	0	0	0
Xj: 2		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.012327	-0.017407	-0.0022828	-7.7841E-06	0.0026366	-0.020334
Yj: 8.7101		0.012327	-0.017407	-0.0022828	-7.7841E-06	-3.4059E-05	2.9913E-05
Zi: 5.95	Rüzgar Yükü Y	0.012327	-0.017407	-0.0022828	-7.7841E-06	0.0026366	-0.020334
Zj: 5.95		0.012327	-0.017407	-0.0022828	-7.7841E-06	-3.4059E-05	2.9913E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.0057544	-0.0045855	0.0041725	1.9894E-05	-0.0048621	-0.0053545
		-0.0057544	-0.0045855	0.0041725	1.9894E-05	1.9362E-05	1.0101E-05
	Deprem X	0.02695	-0.050476	-0.041371	1.2669E-05	0.04841	-0.060864
		0.02695	-0.053626	-0.041371	1.2669E-05	2.0127E-05	9.0177E-05
	Deprem Y	0.056424	-0.16281	-0.007448	8.9634E-06	0.0087149	-0.19018
		0.058721	-0.16281	-0.007448	8.9634E-06	-0.00017981	0.00028871
B10	Ölü Yük	-0.0083385	0.0074051	-0.0053494	2.1495E-05	-0.0091277	0.0086482
433		-0.0083385	0.0074051	0.020993	2.1495E-05	2.2841E-05	-1.5021E-05
Xi: 20.4m	Hareketli Yük	0	0	0	0	0	0
Xj: 20.4		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.01391	0.017378	-0.0022912	7.0074E-06	0.0026479	0.020301
Yj: 8.7101		0.01391	0.017378	-0.0022912	7.0074E-06	-3.26E-05	-2.9536E-05
Zi: 5.95	Rüzgar Yükü Y	0.01391	0.017378	-0.0022912	7.0074E-06	0.0026479	0.020301
Zj: 5.95		0.01391	0.017378	-0.0022912	7.0074E-06	-3.26E-05	-2.9536E-05
	Kar Yükü	-0.0055281	0.0046009	0.0041965	-1.8429E-05	-0.0048924	0.0053725
		-0.0055281	0.0046009	0.0041965	-1.8429E-05	1.7089E-05	-1.0118E-05
	Deprem X	-0.027198	-0.050846	0.04139	1.304E-05	-0.048432	-0.061294
		-0.027198	-0.053991	0.04139	1.304E-05	-1.9792E-05	9.0265E-05
	Deprem Y	0.064547	0.16168	-0.0069592	-8.76E-06	0.0081476	0.18887
		0.066757	0.16168	-0.0069592	-8.76E-06	-0.00017882	-0.00028491
B10	Ölü Yük	-0.01045	0.010947	-0.0086375	6.2629E-05	-0.0053725	0.012787
441		-0.01045	0.010947	0.017705	6.2629E-05	-6.8632E-05	-1.9797E-05
Xi: 16.875m	Hareketli Yük	0	0	0	0	0	0
Xj: 16.875		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	-0.00032236	0.0030041	-0.0016382	-1.0906E-05	0.0019423	0.0035117
Yj: 8.7101		-0.00032236	0.0030041	-0.0016382	-1.0906E-05	2.5721E-05	-2.8007E-06
Zi: 5.95	Rüzgar Yükü Y	-0.00032236	0.0030041	-0.0016382	-1.0906E-05	0.0019423	0.0035117
Zj: 5.95		-0.00032236	0.0030041	-0.0016382	-1.0906E-05	2.5721E-05	-2.8007E-06
	Kar Yükü	-0.0068126	0.0079848	0.0028043	1.7186E-05	-0.0033391	0.0093263
		-0.0068126	0.0079848	0.0028043	1.7186E-05	-5.8383E-05	-1.5079E-05
	Deprem X	0.0038018	-0.038567	-0.00046933	-3.3491E-06	0.0005494	-0.047102
		0.0038018	-0.041964	-0.00046933	-3.3491E-06	2.1192E-05	7.1368E-05
	Deprem Y	-0.042027	0.057739	-0.0044062	-6.1497E-06	0.0051053	0.067463
		-0.039312	0.057739	-0.0044062	-6.1497E-06	-0.00010114	-8.6304E-05
B11	Ölü Yük	-0.010347	0.0024049	-0.028039	-8.1712E-05	6.9552E-05	1.0949E-05
472		-0.010347	0.0024049	0.0093569	-8.1712E-05	-0.015444	-0.0039831
Xi: 2m	Hareketli Yük	0	0	0	0	0	0
Xj: 2		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.00040555	-0.017196	0.002216	1.216E-05	4.4209E-06	-5.4683E-05
Yj: 1.1291		0.00040555	-0.017196	0.002216	1.216E-05	0.0036848	0.028505
Zi: 5.95	Rüzgar Yükü Y	0.00040555	-0.017196	0.002216	1.216E-05	4.4209E-06	-5.4683E-05
Zj: 5.95		0.00040555	-0.017196	0.002216	1.216E-05	0.0036848	0.028505
	Kar Yükü	-0.001933	0.0033156	-0.0032945	-1.7794E-05	3.6339E-05	1.2056E-05
		-0.001933	0.0033156	-0.0032945	-1.7794E-05	-0.0054352	-0.0054945
	Deprem X	-0.037685	0.074422	0.028016	-1.3276E-05	-2.1915E-05	0.00022478
		-0.037685	0.071014	0.028016	-1.3276E-05	0.04652	-0.12091

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	-0.062483	-0.12547	0.0080595	9.9406E-06	0.00018162	-0.00039056
		-0.061086	-0.12547	0.0080595	9.9406E-06	0.013473	0.20799
MK16	Ölü Yük	0.031857	0.0011928	-0.031281	-2.5151E-05	0.016958	-0.0010817
546		0.032472	0.0011928	-0.019888	-2.5151E-05	-0.0055891	-0.0021329
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 5.99	Rüzgar Yükü X	-0.024151	-0.0014465	0.019199	2.9591E-05	-0.013526	0.0012527
Yj: 5.11		-0.024151	-0.0014465	0.019199	2.9591E-05	0.0033932	0.0025274
Zi: 6.7869	Rüzgar Yükü Y	-0.024151	-0.0014465	0.019199	2.9591E-05	-0.013526	0.0012527
Zj: 6.8344		-0.024151	-0.0014465	0.019199	2.9591E-05	0.0033932	0.0025274
	Kar Yükü	0.032093	0.0024382	-0.045044	-6.0057E-05	0.029274	-0.0025104
		0.032093	0.0024382	-0.045044	-6.0057E-05	-0.010423	-0.0046591
	Deprem X	-0.0965	0.034951	0.0036289	0.00045553	0.0035827	-0.028928
		-0.0965	0.034951	0.0036289	0.00045553	0.0016876	-0.052455
	Deprem Y	-0.040084	-0.00036765	-0.022872	-1.5888E-05	0.010064	-0.0004504
		-0.040084	-0.00036765	-0.022872	-1.5888E-05	-0.010096	-0.00016051
MK16	Ölü Yük	-0.010829	-0.0002525	-0.081296	-0.0023103	0.00096782	-0.0017117
547		-0.006635	-0.002719	-0.0036751	0.00017847	-0.010864	0.00043727
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 4.99	Rüzgar Yükü X	0.00018276	0.00047773	0.096955	0.0032123	-0.0022396	0.002235
Yj: 4.11		0.00019557	0.002587	0.002968	-0.00024491	0.0060284	0.00010632
Zi: 6.8409	Rüzgar Yükü Y	0.00018276	0.00047773	0.096955	0.0032123	-0.0022396	0.002235
Zj: 6.8885		0.00019557	0.002587	0.002968	-0.00024491	0.0060284	0.00010632
	Kar Yükü	-0.017869	-0.0003705	-0.18445	-0.0062189	0.0041778	-0.0040755
		-0.008369	-0.0061958	-0.0087475	0.00046797	-0.012957	0.00077369
	Deprem X	-0.067848	0.058325	0.021185	0.0040295	-0.015454	-0.057676
		-0.067863	-0.019104	0.021965	0.0010396	0.0043031	-0.049578
	Deprem Y	-0.054383	0.0025578	-0.0096883	-0.00091879	0.0045317	-0.0003151
		-0.029174	-0.0055565	-0.011063	3.9396E-05	-0.0053239	0.0042989
MK16	Ölü Yük	-0.032595	0.00021437	0.061371	-0.0014083	-0.02624	0.00095077
548		-0.028502	0.00045731	0.13731	0.00063408	0.075396	0.00050477
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 3.99	Rüzgar Yükü X	0.0053513	0.0021644	0.0039711	0.0018106	0.013851	-0.00033455
Yj: 3.11		0.0053653	-0.0018814	-0.086617	-0.00072017	-0.041782	0.00042781
Zi: 6.895	Rüzgar Yükü Y	0.0053513	0.0021644	0.0039711	0.0018106	0.013851	-0.00033455
Zj: 6.9425		0.0053653	-0.0018814	-0.086617	-0.00072017	-0.041782	0.00042781
	Kar Yükü	-0.02297	-0.0063511	-0.0132	-0.0033306	-0.024365	0.0018478
		-0.013844	0.0022345	0.15616	0.0012836	0.075651	0.0015852
	Deprem X	-0.041967	-0.018043	0.040766	0.0017739	-0.017844	-0.048602
		-0.042136	-0.046623	0.041359	0.0015507	0.018995	-0.018422
	Deprem Y	-0.042741	-0.0093782	-0.017371	0.00029028	0.0064802	0.0050858
		-0.018035	-0.0043973	-0.018711	-0.00028832	-0.0097903	0.010289
MK16	Ölü Yük	0.11257	0.0080686	-0.071113	0.00097802	0.020852	0.0044861
551		0.11662	0.0019802	0.0035806	-0.00036924	0.0044601	0.0013911

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 8.99	Rüzgar Yükü X	-0.044315	-0.008122	0.073123	-0.0014003	-0.013356	-0.0020966
Yj: 8.11		-0.044304	0.00017893	-0.01397	0.00052563	-0.0051251	-0.00032228
Zi: 6.6247	Rüzgar Yükü Y	-0.044315	-0.008122	0.073123	-0.0014003	-0.013356	-0.0020966
Zj: 6.6723		-0.044304	0.00017893	-0.01397	0.00052563	-0.0051251	-0.00032228
	Kar Yükü	0.073308	0.013988	-0.14484	0.0027412	0.02855	0.0034983
		0.082138	-2.3685E-05	0.017943	-0.0010319	0.0070314	0.00045501
	Deprem X	0.038951	0.062505	0.019188	-0.004569	-0.010089	0.020655
		0.038748	0.018526	0.018871	-0.0014283	0.0068561	-0.018888
	Deprem Y	-0.023363	-0.008069	-0.020424	0.00067073	0.011925	-0.0026292
		-0.0098731	0.00022057	-0.021709	-0.00028346	-0.0069896	-0.0010418
MK16	Ölü Yük	0.034679	0.0047508	-0.076495	0.00066491	0.021545	0.00024074
552		0.038976	-0.0017308	0.0028375	-0.00076617	-0.013455	-0.0012758
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 7.99	Rüzgar Yükü X	-0.0064831	-0.0050942	0.063354	-0.00099721	-0.014559	0.00035883
Yj: 7.11		-0.0064711	0.0033592	-0.032905	0.0011835	0.0030717	0.0014706
Zi: 6.6788	Rüzgar Yükü Y	-0.0064831	-0.0050942	0.063354	-0.00099721	-0.014559	0.00035883
Zj: 6.7263		-0.0064711	0.0033592	-0.032905	0.0011835	0.0030717	0.0014706
	Kar Yükü	-0.0021292	0.0089824	-0.12482	0.0019121	0.029393	-0.00092856
		0.0076504	-0.0060286	0.055341	-0.0022635	-0.0079294	-0.002628
	Deprem X	0.059674	0.046695	0.02457	-0.0021594	-0.0088965	-0.020073
		0.059494	-0.029295	0.02409	-0.0021524	0.013255	-0.032788
	Deprem Y	-0.038605	-0.00328	-0.016101	0.00022922	0.007418	-0.00086094
		-0.015786	0.00085755	-0.017496	-0.00024274	-0.0073472	0.00025504
MK16	Ölü Yük	0.020658	-0.0014365	0.030037	0.00030156	-0.015565	-0.00132
553		0.025011	-0.0053174	0.11084	-0.0015159	0.026659	0.00061473
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 6.99	Rüzgar Yükü X	-0.0069679	0.0012814	-0.018436	-0.00044759	0.0087659	0.0012745
Yj: 6.11		-0.0069578	0.006754	-0.11705	0.0022203	-0.022114	-0.00068129
Zi: 6.7328	Rüzgar Yükü Y	-0.0069679	0.0012814	-0.018436	-0.00044759	0.0087659	0.0012745
Zj: 6.7804		-0.0069578	0.006754	-0.11705	0.0022203	-0.022114	-0.00068129
	Kar Yükü	-0.0024971	-0.002509	0.029955	0.00085166	-0.014269	-0.0023724
		0.0074888	-0.012375	0.21559	-0.0042241	0.040875	0.0015531
	Deprem X	0.078495	-0.022459	-0.013404	-0.0011454	0.0074958	-0.032124
		0.078398	-0.041476	-0.013738	-0.00172	-0.0064919	-0.029998
	Deprem Y	-0.044271	-0.00099345	-0.012256	4.8391E-05	0.006387	0.00032669
		-0.020573	0.0013084	-0.01371	-0.00021381	-0.0047262	0.00056742
MK16	Ölü Yük	0.030261	-0.0012583	-0.031019	2.4077E-05	0.016943	0.0010362
554		0.030876	-0.0012583	-0.019626	2.4077E-05	-0.005373	0.0021451
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 5.99	Rüzgar Yükü X	-0.023565	0.0014796	0.019278	-2.9109E-05	-0.013665	-0.0012648
Yj: 5.11		-0.023565	0.0014796	0.019278	-2.9109E-05	0.0033246	-0.0025688

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.7869	Rüzgar Yükü Y	-0.023565	0.0014796	0.019278	-2.9109E-05	-0.013665	-0.0012648
Zj: 6.8344		-0.023565	0.0014796	0.019278	-2.9109E-05	0.0033246	-0.0025688
	Kar Yükü	0.030793	-0.002498	-0.045516	5.9146E-05	0.029692	0.0025419
		0.030793	-0.002498	-0.045516	5.9146E-05	-0.010421	0.0047433
	Deprem X	0.097629	0.034944	-0.0035105	0.00045536	-0.0035309	-0.028928
		0.097629	0.034944	-0.0035105	0.00045536	-0.0016941	-0.052438
	Deprem Y	-0.040645	0.0004077	-0.023448	1.6073E-05	0.010322	0.00046661
		-0.040645	0.0004077	-0.023448	1.6073E-05	-0.010345	0.00012577
MK16	Ölü Yük	-0.013225	0.00021604	-0.082534	0.0023653	0.00072641	0.0017206
555		-0.0089438	0.0027665	-0.0032026	-0.00018395	-0.010782	-0.00046455
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 4.99	Rüzgar Yükü X	0.0012086	-0.00048956	0.098925	-0.0032713	-0.0021842	-0.0022714
Yj: 4.11		0.0012212	-0.0026027	0.0028096	0.00025055	0.006072	-0.00012935
Zi: 6.8409	Rüzgar Yükü Y	0.0012086	-0.00048956	0.098925	-0.0032713	-0.0021842	-0.0022714
Zj: 6.8885		0.0012212	-0.0026027	0.0028096	0.00025055	0.006072	-0.00012935
	Kar Yükü	-0.020032	0.00038436	-0.18849	0.0063497	0.0039936	0.0041495
		-0.010313	0.0062753	-0.0083566	-0.00048025	-0.013037	-0.00076458
	Deprem X	0.068758	0.058373	-0.021335	0.0039809	0.015521	-0.057668
		0.068772	-0.019076	-0.022095	0.0010328	-0.0043564	-0.049619
	Deprem Y	-0.055648	-0.0025686	-0.0098408	0.00093398	0.0046252	0.00029311
		-0.029505	0.0056659	-0.011256	-3.9962E-05	-0.005412	-0.0044163
MK16	Ölü Yük	-0.035935	-0.00024832	0.063648	0.0014391	-0.02687	-0.00099152
556		-0.031749	-0.00045639	0.1411	-0.00065018	0.077771	-0.00053768
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 3.99	Rüzgar Yükü X	0.0065625	-0.002148	0.00332	-0.0018459	0.014298	0.00031582
Yj: 3.11		0.0065763	0.001907	-0.089101	0.00073672	-0.043106	-0.00046736
Zi: 6.895	Rüzgar Yükü Y	0.0065625	-0.002148	0.00332	-0.0018459	0.014298	0.00031582
Zj: 6.9425		0.0065763	0.001907	-0.089101	0.00073672	-0.043106	-0.00046736
	Kar Yükü	-0.025355	0.0063949	-0.012092	0.0033996	-0.025236	-0.001855
		-0.01599	-0.0022547	0.16095	-0.0013149	0.078194	-0.001587
	Deprem X	0.042855	-0.018015	-0.040685	0.0017925	0.017856	-0.048656
		0.04302	-0.046693	-0.041261	0.0015393	-0.018893	-0.018456
	Deprem Y	-0.043849	0.0095337	-0.017668	-0.00029106	0.0066171	-0.005218
		-0.018299	0.0045099	-0.019045	0.00029325	-0.0099494	-0.01053
MK1	Ölü Yük	-0.091127	0.0031225	-0.062295	-0.00034789	5.3056E-05	9.5721E-06
476		-0.091127	0.0031225	-0.035745	-0.00034789	-0.057748	-0.0036722
Xi: 0.05m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.05		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.0044116	-0.020544	0.016485	7.3715E-05	-4.2805E-05	-5.6109E-05
Yj: 1.6108		0.0044116	-0.020544	0.016485	7.3715E-05	0.019395	0.024168
Zi: 5.95	Rüzgar Yükü Y	0.0044116	-0.020544	0.016485	7.3715E-05	-4.2805E-05	-5.6109E-05
Zj: 5.95		0.0044116	-0.020544	0.016485	7.3715E-05	0.019395	0.024168
	Kar Yükü	-0.053515	0.0036637	-0.031554	-0.00013041	5.1307E-05	1.1638E-05
		-0.053515	0.0036637	-0.031554	-0.00013041	-0.037155	-0.0043083

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.1232	0.10142	-0.0042412	-7.9095E-05	3.4588E-05	0.00025754
		0.1232	0.099332	-0.0042412	-7.9095E-05	-0.005015	-0.11828
	Deprem Y	-0.21874	-0.16588	-0.003128	3.5191E-06	-7.0663E-05	-0.00043277
		-0.21919	-0.16588	-0.003128	3.5191E-06	-0.0037304	0.19516
MK16	Ölü Yük	0.11556	-0.0057105	-0.068967	-0.0010527	0.020232	-0.0027369
543		0.11952	-0.00091471	0.0039926	0.00039368	0.004602	-0.00088817
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 8.99	Rüzgar Yükü X	-0.04599	0.0070118	0.070777	0.0014031	-0.012891	0.0013295
Yj: 8.11		-0.045977	-0.00062264	-0.013879	-0.00052644	-0.0051536	0.00010463
Zi: 6.6247	Rüzgar Yükü Y	-0.04599	0.0070118	0.070777	0.0014031	-0.012891	0.0013295
Zj: 6.6723		-0.045977	-0.00062264	-0.013879	-0.00052644	-0.0051536	0.00010463
	Kar Yükü	0.076639	-0.011872	-0.14006	-0.0027487	0.027497	-0.002
		0.085261	0.00087636	0.018208	0.0010345	0.0072516	-7.9777E-06
	Deprem X	-0.036835	0.062762	-0.018804	-0.0046098	0.0099536	0.0207
		-0.036626	0.018439	-0.018478	-0.0014314	-0.0066653	-0.018823
	Deprem Y	-0.022906	0.0080181	-0.019943	-0.00066837	0.011672	0.0026592
		-0.010194	-0.00024417	-0.021182	0.00028064	-0.0067768	0.0010899
MK16	Ölü Yük	0.036961	-0.0039152	-0.076419	-0.0006861	0.021886	0.00015377
544		0.041167	0.0018162	0.0012425	0.0007834	-0.013722	0.0012328
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 7.99	Rüzgar Yükü X	-0.0080577	0.0047006	0.062449	0.00099061	-0.01454	-0.0005264
Yj: 7.11		-0.0080454	-0.0033523	-0.031629	-0.0011728	0.0031581	-0.0014504
Zi: 6.6788	Rüzgar Yükü Y	-0.0080577	0.0047006	0.062449	0.00099061	-0.01454	-0.0005264
Zj: 6.7263		-0.0080454	-0.0033523	-0.031629	-0.0011728	0.0031581	-0.0014504
	Kar Yükü	0.0012037	-0.0082247	-0.12285	-0.0018965	0.029301	0.0012753
		0.010748	0.0060378	0.053034	0.0022401	-0.0080119	0.0026056
	Deprem X	-0.058176	0.046711	-0.024735	-0.0021863	0.0089679	-0.020008
		-0.057991	-0.029206	-0.024238	-0.002163	-0.013285	-0.032764
	Deprem Y	-0.037976	0.0032998	-0.015883	-0.00022615	0.0073355	0.0009263
		-0.016194	-0.00081714	-0.017233	0.00024021	-0.0072189	-0.00022686
MK16	Ölü Yük	0.02249	0.0014576	0.029288	-0.00029605	-0.015232	0.0012755
545		0.026746	0.0052747	0.10838	0.0014799	0.026067	-0.0006674
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 6.99	Rüzgar Yükü X	-0.0080869	-0.0012686	-0.017798	0.00044114	0.0084855	-0.0012593
Yj: 6.11		-0.0080766	-0.0066974	-0.11474	-0.0021845	-0.021583	0.00067867
Zi: 6.7328	Rüzgar Yükü Y	-0.0080869	-0.0012686	-0.017798	0.00044114	0.0084855	-0.0012593
Zj: 6.7804		-0.0080766	-0.0066974	-0.11474	-0.0021845	-0.021583	0.00067867
	Kar Yükü	-7.2237E-07	0.0025014	0.028973	-0.00083374	-0.013793	0.0023541
		0.0097315	0.01222	0.21021	0.0041282	0.039803	-0.0015409
	Deprem X	-0.07725	-0.022391	0.013425	-0.0011539	-0.007511	-0.032104
		-0.07715	-0.041392	0.013771	-0.0017159	0.0064886	-0.029994
	Deprem Y	-0.04357	0.00099252	-0.012071	-4.7389E-05	0.0062735	-0.00031206
		-0.020889	-0.00127	-0.013479	0.00020829	-0.0046609	-0.00054817

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
B12	Ölü Yük	-0.012595	0.0016205	-0.026936	4.7759E-06	-1.6896E-05	1.0676E-05
464		-0.012595	0.0016205	0.0249	4.7759E-06	-0.0023601	-0.0037199
Xi: 5.625m	Hareketli Yük	0	0	0	0	0	0
Xj: 5.625		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.0061987	-0.0031928	-0.000496	-1.7074E-05	1.6316E-05	-1.6287E-05
Yj: 0.48777		0.0061987	-0.0031928	-0.000496	-1.7074E-05	-0.0011255	0.0073339
Zi: 5.95	Rüzgar Yükü Y	0.0061987	-0.0031928	-0.000496	-1.7074E-05	1.6316E-05	-1.6287E-05
Zj: 5.95		0.0061987	-0.0031928	-0.000496	-1.7074E-05	-0.0011255	0.0073339
	Kar Yükü	-0.0035189	0.0016181	0.00095827	3.5239E-05	-2.3191E-05	9.4492E-06
		-0.0035189	0.0016181	0.00095827	3.5239E-05	0.0021829	-0.0037157
	Deprem X	-0.010842	0.032674	0.00074206	-3.6785E-06	-2.2198E-05	0.00017782
		-0.010842	0.027672	0.00074206	-3.6785E-06	0.0017081	-0.069837
	Deprem Y	0.039783	-0.018473	-0.0022011	7.1524E-06	9.1879E-05	-8.9033E-05
		0.045159	-0.018473	-0.0022011	7.1524E-06	-0.0050729	0.042437
B9	Ölü Yük	-0.010182	-6.5753E-07	-0.032983	-4.4588E-05	5.1506E-06	-2.146E-06
471		-0.010182	-6.5753E-07	0.032986	-4.4588E-05	9.8133E-06	-2.1957E-07
Xi: 2m	Hareketli Yük	0	0	0	0	0	0
Xj: 2		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.0059395	-1.87E-05	-1.7216E-05	3.6815E-06	2.4315E-05	-2.7017E-05
Yj: 2.8101		0.0059395	-1.87E-05	-1.7216E-05	3.6815E-06	-2.6125E-05	2.777E-05
Zi: 5.95	Rüzgar Yükü Y	0.0059395	-1.87E-05	-1.7216E-05	3.6815E-06	2.4315E-05	-2.7017E-05
Zj: 5.95		0.0059395	-1.87E-05	-1.7216E-05	3.6815E-06	-2.6125E-05	2.777E-05
	Kar Yükü	-0.0050069	1.101E-06	-3.1299E-07	-4.1993E-06	3.2842E-06	6.8867E-07
		-0.0050069	1.101E-06	-3.1299E-07	-4.1993E-06	2.3672E-06	-2.5369E-06
	Deprem X	0.027604	0.0046216	1.3549E-05	-5.6317E-06	-2.0308E-05	-1.6568E-05
		0.027604	-0.0046547	1.3549E-05	-5.6317E-06	1.9544E-05	2.0369E-05
	Deprem Y	0.041848	-0.00014862	-0.00012877	2.1594E-06	0.00019334	-0.00021875
		0.042485	-0.00014862	-0.00012877	2.1594E-06	-0.00018393	0.00021667
B9	Ölü Yük	0.0057974	-1.8412E-06	-0.033019	-4.2496E-05	9.037E-05	-3.1317E-06
462		0.0057974	-1.8412E-06	0.03295	-4.2496E-05	-1.0403E-05	2.2628E-06
Xi: 5.625m	Hareketli Yük	0	0	0	0	0	0
Xj: 5.625		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	-0.0065495	-4.491E-06	1.3293E-05	7.9983E-06	-3.6405E-05	-6.5705E-06
Yj: 5.7601		-0.0065495	-4.491E-06	1.3293E-05	7.9983E-06	2.5421E-06	6.5873E-06
Zi: 5.95	Rüzgar Yükü Y	-0.0065495	-4.491E-06	1.3293E-05	7.9983E-06	-3.6405E-05	-6.5705E-06
Zj: 5.95		-0.0065495	-4.491E-06	1.3293E-05	7.9983E-06	2.5421E-06	6.5873E-06
	Kar Yükü	0.0052856	-3.3967E-07	-3.3167E-05	-1.1136E-05	7.6288E-05	-9.4964E-07
		0.0052856	-3.3967E-07	-3.3167E-05	-1.1136E-05	-2.0884E-05	4.5536E-08
	Deprem X	0.0028888	0.0046777	1.4648E-05	-2.0479E-07	2.0456E-05	6.0402E-06
		0.0028888	-0.0046705	1.4648E-05	-2.0479E-07	2.3669E-05	9.5823E-06
	Deprem Y	-0.040463	-3.7678E-05	-7.5138E-05	3.1865E-06	9.0108E-05	-5.7067E-05
		-0.033223	-3.7678E-05	-7.5138E-05	3.1865E-06	-0.00013011	5.3323E-05
B9	Ölü Yük	0.0057303	-1.4963E-06	-0.03297	-4.8867E-05	2.3429E-05	-2.9476E-06
463		0.0057303	-1.4963E-06	0.032999	-4.8867E-05	6.6224E-05	1.4361E-06
Xi: 5.625m	Hareketli Yük	0	0	0	0	0	0
Xj: 5.625		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 5.7399	Rüzgar Yükü X	-0.00037918	-4.7387E-06	-9.0092E-06	2.5789E-06	-4.7613E-07	-6.4728E-06
Yj: 2.8101		-0.00037918	-4.7387E-06	-9.0092E-06	2.5789E-06	-2.6871E-05	7.4107E-06
Zi: 5.95	Rüzgar Yükü Y	-0.00037918	-4.7387E-06	-9.0092E-06	2.5789E-06	-4.7613E-07	-6.4728E-06
Zj: 5.95		-0.00037918	-4.7387E-06	-9.0092E-06	2.5789E-06	-2.6871E-05	7.4107E-06
	Kar Yükü	0.0072784	1.311E-07	8.1323E-06	-1.4399E-06	1.7315E-05	-2.7631E-07
		0.0072784	1.311E-07	8.1323E-06	-1.4399E-06	4.1141E-05	-6.604E-07
	Deprem X	-0.007455	0.0047125	1.4656E-05	-1.2218E-07	-2.3352E-05	6.5678E-06
		-0.007455	-0.0047401	1.4656E-05	-1.2218E-07	2.1703E-05	9.8078E-06
	Deprem Y	0.028637	-3.7633E-05	-7.6987E-05	2.4811E-06	0.00013056	-5.3365E-05
		0.035776	-3.7633E-05	-7.6987E-05	2.4811E-06	-9.5056E-05	5.6892E-05
B9	Ölü Yük	-0.0056059	-1.4601E-06	-0.032989	-2.8953E-05	1.6718E-05	-3.0797E-06
470		-0.0056059	-1.4601E-06	0.032979	-2.8953E-05	1.8766E-06	1.1982E-06
Xi: 2m	Hareketli Yük	0	0	0	0	0	0
Xj: 2		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.0080009	-1.8234E-05	-1.4758E-05	4.9583E-06	1.8999E-05	-2.6174E-05
Yj: 5.7601		0.0080009	-1.8234E-05	-1.4758E-05	4.9583E-06	-2.424E-05	2.7249E-05
Zi: 5.95	Rüzgar Yükü Y	0.0080009	-1.8234E-05	-1.4758E-05	4.9583E-06	1.8999E-05	-2.6174E-05
Zj: 5.95		0.0080009	-1.8234E-05	-1.4758E-05	4.9583E-06	-2.424E-05	2.7249E-05
	Kar Yükü	-0.0044094	2.6799E-07	-4.9235E-06	-6.1122E-06	1.1033E-05	-3.5575E-07
		-0.0044094	2.6799E-07	-4.9235E-06	-6.1122E-06	-3.3915E-06	-1.1409E-06
	Deprem X	0.025766	0.0045893	1.3409E-05	3.8872E-06	-1.8947E-05	-1.6773E-05
		0.025766	-0.0045889	1.3409E-05	3.8872E-06	2.0358E-05	2.2237E-05
	Deprem Y	0.031248	-0.00014853	-0.0001285	2.8697E-06	0.00018321	-0.00021644
		0.035961	-0.00014853	-0.0001285	2.8697E-06	-0.00019329	0.00021871
MK24	Ölü Yük	-0.1356	-0.0099012	0.037609	0.00057189	-0.047246	-0.010713
457		-0.33588	-0.0074289	0.26653	-0.0015287	-0.00011577	1.6852E-05
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.034591	0.0044606	0.027853	-0.00027924	0.016648	0.0048167
Yj: 8.7101		0.087764	0.0033215	-0.20096	0.00069816	7.4673E-05	-9.5508E-06
Zi: 5.95	Rüzgar Yükü Y	0.034591	0.0044606	0.027853	-0.00027924	0.016648	0.0048167
Zj: 5.95		0.087764	0.0033215	-0.20096	0.00069816	7.4673E-05	-9.5508E-06
	Kar Yükü	-0.078901	-0.0075958	-0.058013	0.00053144	-0.03174	-0.0081331
		-0.174	-0.0054432	0.39198	-0.001319	-8.7261E-05	1.3183E-05
	Deprem X	0.0028189	-0.032199	0.0014946	-0.005003	0.00032765	-0.042758
		0.0020447	-0.051178	-0.0044793	0.012226	-1.4961E-05	6.7031E-05
	Deprem Y	-0.03621	0.0027694	-0.010475	-6.6451E-06	-0.0025052	0.003211
		-0.024571	0.0027479	0.034171	2.1683E-05	0.0001202	-1.9576E-05
MK24	Ölü Yük	-0.26851	-0.011552	0.098977	0.00066841	-0.090141	-0.012396
465		-0.62419	-0.0083662	0.43213	-0.0020413	-4.8906E-05	2.128E-05
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.75		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.084747	-0.012988	-0.0014839	-0.00030488	0.03511	-0.015599
Yj: 8.7101		0.20848	-0.014277	-0.26716	0.00086003	1.2273E-05	2.1634E-05
Zi: 5.95	Rüzgar Yükü Y	0.084747	-0.012988	-0.0014839	-0.00030488	0.03511	-0.015599
Zj: 5.95		0.20848	-0.014277	-0.26716	0.00086003	1.2273E-05	2.1634E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.18541	-0.0079437	-0.00021874	0.00063299	-0.066147	-0.0083326
		-0.41563	-0.0051849	0.50963	-0.0017509	-3.4477E-05	1.5289E-05
	Deprem X	0.010772	-0.040595	-0.0059388	-0.0049589	0.0044941	-0.052594
		0.027942	-0.058803	0.021259	0.012105	2.621E-05	8.3303E-05
	Deprem Y	-0.077108	-0.13336	0.0033036	0.00020784	-0.0013132	-0.15521
		-0.07402	-0.13209	0.012847	-0.00048416	-0.00014001	0.00023486
MK2	Ölü Yük	-0.69934	-0.0012783	-0.13472	0.0011951	3.0272E-05	-4.3786E-06
467		-0.67795	0.0039579	0.56544	-0.0038202	4.9257E-05	-3.6239E-06
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.75		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.16424	0.00052001	0.14034	-0.00050921	-9.6715E-06	-2.1816E-05
Yj: 2.8101		0.19213	-0.0015527	-0.36821	0.0014435	-2.6544E-05	2.4644E-05
Zi: 5.95	Rüzgar Yükü Y	0.16424	0.00052001	0.14034	-0.00050921	-9.6715E-06	-2.1816E-05
Zj: 5.95		0.19213	-0.0015527	-0.36821	0.0014435	-2.6544E-05	2.4644E-05
	Kar Yükü	-0.30223	-0.00099034	-0.27421	0.00095666	4.132E-05	-1.0564E-06
		-0.3022	0.0027628	0.66933	-0.0026428	3.5263E-05	-4.7405E-06
	Deprem X	-0.036035	0.024346	-0.0020046	-0.016591	-3.1779E-05	3.5265E-05
		0.022075	-0.032469	-0.0068117	0.026897	2.8103E-05	2.9624E-05
	Deprem Y	0.020773	-0.00011776	-0.037484	6.0819E-06	0.00018771	-0.00017914
		0.11896	-0.00046296	-0.042923	0.00014159	-0.00014635	0.0001765
MK2	Ölü Yük	-0.29764	-0.001141	-0.13201	0.00083911	0.00013436	-5.4334E-06
458		-0.54802	0.0025179	0.33724	-0.0020949	-2.2679E-05	6.2157E-07
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.056609	0.00052322	0.17049	-0.00038874	-9.327E-05	4.2741E-06
Yj: 5.7601		0.023601	-0.0010789	-0.27238	0.00088465	3.8811E-05	-2.5482E-06
Zi: 5.95	Rüzgar Yükü Y	0.056609	0.00052322	0.17049	-0.00038874	-9.327E-05	4.2741E-06
Zj: 5.95		0.023601	-0.0010789	-0.27238	0.00088465	3.8811E-05	-2.5482E-06
	Kar Yükü	-0.14339	-0.00098445	-0.32324	0.00073811	0.00012375	-3.4348E-06
		-0.01428	0.0020328	0.50744	-0.0016601	-1.7708E-05	-8.7755E-07
	Deprem X	0.0086829	0.021778	0.0032753	-0.012389	1.4679E-05	3.3117E-05
		-0.013173	-0.054095	0.0037642	0.038687	-1.3837E-05	3.7437E-05
	Deprem Y	-0.086217	3.6083E-05	-0.0091711	-8.9798E-06	-0.00011625	1.8403E-05
		0.073023	-1.1177E-05	-0.0038376	1.4973E-05	0.00012589	-2.2635E-05
MK2	Ölü Yük	-0.54296	-0.00099523	-0.1503	0.00091193	4.956E-05	-4.1017E-06
459		-0.51471	0.0027502	0.45376	-0.002804	8.6199E-05	-1.3325E-06
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.0036979	0.00041369	0.14159	-0.00038723	-5.5924E-05	3.9138E-06
Yj: 2.8101		0.072116	-0.0010406	-0.33279	0.0010513	-6.24E-06	-1.1991E-06
Zi: 5.95	Rüzgar Yükü Y	0.0036979	0.00041369	0.14159	-0.00038723	-5.5924E-05	3.9138E-06
Zj: 5.95		0.072116	-0.0010406	-0.33279	0.0010513	-6.24E-06	-1.1991E-06
	Kar Yükü	-0.012994	-0.00077769	-0.26646	0.00072603	5.0059E-05	-1.7108E-06
		-0.092564	0.0019589	0.61174	-0.0019513	6.1673E-05	-2.3363E-06
	Deprem X	0.0061664	0.024348	0.0014828	-0.016625	1.4102E-05	3.1131E-05
		-0.0072732	-0.032952	0.00085	0.02711	1.4093E-05	2.972E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	-0.020047	4.4289E-05	-0.0011162	-1.0412E-05	-0.00012549	2.2642E-05
		0.091303	6.1998E-05	-0.025923	2.1128E-05	0.00011278	-1.8411E-05
MK24	Ölü Yük	-0.062768	-0.0059275	-0.01416	0.00066976	-0.028535	-0.0071481
473		-0.16138	-0.013121	0.24232	-0.0013021	4.4685E-06	1.2473E-05
Xi: 0.05m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.05		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.036102	-0.010072	0.013205	-0.00019066	0.011698	-0.0099584
Yj: 8.7101		0.070951	-0.0024436	-0.12025	0.00032788	1.5233E-05	2.1725E-05
Zi: 5.95	Rüzgar Yükü Y	0.036102	-0.010072	0.013205	-0.00019066	0.011698	-0.0099584
Zj: 5.95		0.070951	-0.0024436	-0.12025	0.00032788	1.5233E-05	2.1725E-05
	Kar Yükü	-0.038005	-0.0011382	-0.030924	0.00040927	-0.01906	-0.0043561
		-0.104	-0.014509	0.23552	-0.00071618	-9.7407E-07	9.2285E-06
	Deprem X	0.048861	-0.029687	-0.0071579	-0.0046713	0.0061955	-0.043018
		-0.052255	-0.06617	-0.01206	0.011544	-3.9694E-05	8.9052E-05
	Deprem Y	0.13953	-0.103	-0.019052	0.00015198	0.010684	-0.11734
		0.11556	-0.09645	0.026977	-0.00033915	6.6442E-05	0.00024034
MK26	Ölü Yük	0.043943	-0.018641	0.056443	0.0026143	-0.027628	0.001216
550		0.046727	-0.00061717	0.10807	-0.00077441	0.047	0.004386
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.019757	0.0064349	-0.0050463	-0.0015418	0.010138	-0.00047261
Yj: 9.11		-0.019748	0.0014193	-0.048437	0.000459	-0.021314	-0.002337
Zi: 6.576	Rüzgar Yükü Y	-0.019757	0.0064349	-0.0050463	-0.0015418	0.010138	-0.00047261
Zj: 6.6182		-0.019748	0.0014193	-0.048437	0.000459	-0.021314	-0.002337
	Kar Yükü	0.02407	-0.012148	0.013036	0.0029445	-0.018564	0.0007052
		0.028408	-0.0020627	0.094159	-0.00087856	0.043574	0.0039073
	Deprem X	0.018686	0.034438	0.014401	-0.0026481	-0.0079184	0.0023968
		0.01851	-0.021289	0.014346	-0.0016079	0.0040477	0.019556
	Deprem Y	-0.037131	0.0015378	0.013	0.00018295	0.0059292	-0.00071839
		-0.035153	0.0034239	0.012214	-4.7491E-05	0.0093484	-0.0032347
MK26	Ölü Yük	0.046299	0.0076431	0.056204	-0.001435	-0.027588	-0.00069564
542		0.049023	0.0009106	0.10688	0.00061108	0.046242	-0.0024441
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.020982	-0.0015494	-0.0053774	0.0010062	0.010227	0.00024588
Yj: 9.11		-0.020972	-0.0015481	-0.047933	-0.00038612	-0.020953	0.0014779
Zi: 6.576	Rüzgar Yükü Y	-0.020982	-0.0015494	-0.0053774	0.0010062	0.010227	0.00024588
Zj: 6.6182		-0.020972	-0.0015481	-0.047933	-0.00038612	-0.020953	0.0014779
	Kar Yükü	0.026639	0.0028109	0.013521	-0.0019268	-0.01874	-0.00027087
		0.030868	0.0022661	0.09308	0.00073933	0.042773	-0.0022371
	Deprem X	-0.017827	0.03348	-0.013587	-0.0023039	0.0075925	0.0024266
		-0.017652	-0.021105	-0.013536	-0.0016502	-0.0037677	0.019676
	Deprem Y	-0.036767	-0.0014283	0.012748	-0.00019933	0.0058673	0.00072386
		-0.034799	-0.0034452	0.011982	4.53E-05	0.0091675	0.0032438
MK27	Ölü Yük	-0.00060269	-0.0040357	-0.16544	-0.0010648	0.091728	0.00044322
549		0.0064201	0.0028979	-0.044834	0.0010575	-0.061699	0.00013728

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 22.364m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.364		0	0	0	0	0	0
Yi: 2.99	Rüzgar Yükü X	-0.0091831	0.0042113	0.099465	0.001446	-0.043096	0.00039222
Yj: 1.61		-0.0064174	-0.0052885	-0.012711	-0.00084412	0.016425	-0.0002909
Zi: 6.949	Rüzgar Yükü Y	-0.0091831	0.0042113	0.099465	0.001446	-0.043096	0.00039222
Zj: 7.0236		-0.0064174	-0.0052885	-0.012711	-0.00084412	0.016425	-0.0002909
	Kar Yükü	0.0070564	-0.012845	-0.18693	-0.0019274	0.080434	0.0020274
		0.01958	0.0091152	0.022493	0.0020693	-0.030211	0.0002484
	Deprem X	-0.01572	0.038903	-0.012794	-0.0017861	0.010059	-0.015891
		-0.048152	0.067221	-0.01327	-0.0073342	-0.0083089	0.0053562
	Deprem Y	-0.032354	-0.021691	-0.0039464	0.0034479	0.0031127	0.011608
		0.021006	-0.0012461	-0.0044325	0.0019358	0.00091788	-0.0010638
MK27	Ölü Yük	-0.0030747	0.0041134	-0.17051	0.0010945	0.094895	-0.00047351
557		0.0039936	-0.003281	-0.04644	-0.0010735	-0.063712	-0.0001809
Xi: 0.0365m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0365		0	0	0	0	0	0
Yi: 2.99	Rüzgar Yükü X	-0.0084748	-0.0042803	0.10244	-0.0014849	-0.044518	-0.00043295
Yj: 1.61		-0.0058056	0.0051646	-0.012949	0.00090085	0.016964	0.00028721
Zi: 6.949	Rüzgar Yükü Y	-0.0084748	-0.0042803	0.10244	-0.0014849	-0.044518	-0.00043295
Zj: 7.0236		-0.0058056	0.0051646	-0.012949	0.00090085	0.016964	0.00028721
	Kar Yükü	0.0057334	0.013079	-0.19249	0.0019853	0.083115	-0.0020351
		0.018392	-0.0095932	0.022914	-0.0021011	-0.031216	-0.00028666
	Deprem X	0.016724	0.039069	0.012465	-0.0017657	-0.0097939	-0.015917
		0.047906	0.067142	0.012966	-0.0072975	0.0080266	0.0053373
	Deprem Y	-0.033163	0.022211	-0.004074	-0.0035063	0.0032555	-0.01188
		0.020576	-0.0022954	-0.0045514	-0.0015907	0.00093188	0.00085736
MK2	Ölü Yük	-0.16064	0.0032371	-0.13013	0.00067258	1.5635E-05	-6.4084E-07
474		-0.10492	-0.0036493	0.19773	-0.001899	-2.0872E-06	2.7589E-06
Xi: 0.05m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.05		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.046416	-0.0048184	0.074251	-0.00016024	-2.4565E-05	-2.7174E-05
Yj: 5.7601		0.05351	0.0065064	-0.15568	0.00068724	1.9905E-05	1.8151E-05
Zi: 5.95	Rüzgar Yükü Y	0.046416	-0.0048184	0.074251	-0.00016024	-2.4565E-05	-2.7174E-05
Zj: 5.95		0.05351	0.0065064	-0.15568	0.00068724	1.9905E-05	1.8151E-05
	Kar Yükü	-0.10298	0.0088857	-0.14351	0.00029905	1.9738E-05	9.1674E-06
		-0.07706	-0.011826	0.29174	-0.0012862	-8.0974E-06	7.3163E-06
	Deprem X	0.056833	0.029356	-0.017988	-0.01176	3.6831E-05	3.1994E-05
		-0.1198	-0.053815	0.027258	0.03772	-3.8031E-05	5.3366E-05
	Deprem Y	-0.060398	-0.0018915	-0.015303	-5.627E-05	-6.3459E-05	-0.00019958
		0.075572	0.0010828	-0.01307	6.5151E-05	7.1625E-05	0.00019725
MK2	Ölü Yük	-0.10385	0.0019262	-0.094415	0.00077326	1.4456E-05	-9.5029E-07
475		-0.087604	-0.0041677	0.37353	-0.0030699	-1.7009E-05	1.0674E-06
Xi: 0.05m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.05		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.029116	-0.0033606	0.0698	-0.00029572	-2.9979E-05	-2.6346E-05
Yj: 2.8101		0.026133	0.0060492	-0.20885	0.00078496	2.7877E-05	1.9946E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 5.95	Rüzgar Yükü Y	0.029116	-0.0033606	0.0698	-0.00029572	-2.9979E-05	-2.6346E-05
Zj: 5.95		0.026133	0.0060492	-0.20885	0.00078496	2.7877E-05	1.9946E-05
	Kar Yükü	-0.077568	0.006467	-0.1298	0.00055005	2.6907E-05	8.0961E-06
		-0.049466	-0.012129	0.38067	-0.0015087	-2.4273E-05	4.6983E-06
	Deprem X	-0.1297	0.023379	-0.045512	-0.016197	3.946E-05	3.9727E-05
		0.091655	-0.040526	-0.050113	0.026844	-4.1075E-05	3.6546E-05
	Deprem Y	-0.10816	0.00051108	0.010625	-1.3803E-05	-7.1813E-05	-0.00019717
		-0.13605	-0.0049215	-0.036384	-0.00030777	6.8343E-05	0.00020041
MK2	Ölü Yük	-0.59754	-0.0015321	-0.16493	0.0011223	8.2417E-05	-7.1547E-06
466		-0.70542	0.003312	0.29669	-0.0027539	-7.5875E-06	-6.0302E-07
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.75		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.18152	0.00070057	0.16277	-0.0005171	-3.4618E-05	-2.0048E-05
Yj: 5.7601		0.17462	-0.0014618	-0.28934	0.0011761	-9.5497E-06	2.3759E-05
Zi: 5.95	Rüzgar Yükü Y	0.18152	0.00070057	0.16277	-0.0005171	-3.4618E-05	-2.0048E-05
Zj: 5.95		0.17462	-0.0014618	-0.28934	0.0011761	-9.5497E-06	2.3759E-05
	Kar Yükü	-0.39707	-0.0013142	-0.3208	0.00098158	7.8773E-05	-3.6684E-06
		-0.30359	0.0026711	0.52827	-0.0021921	-4.7458E-06	-2.5307E-06
	Deprem X	0.033349	0.021671	-0.0020928	-0.012337	-2.4989E-05	3.2694E-05
		0.027598	-0.053937	0.0047792	0.03859	3.2037E-05	3.953E-05
	Deprem Y	-0.13152	3.4796E-05	-0.042326	-1.0196E-05	0.00014405	-0.00017572
		0.028883	-0.00027176	-0.041441	5.9103E-05	-0.00018599	0.00017934
MK4	Ölü Yük	-0.71068	0.00067813	-0.29105	0.0013395	3.2917E-05	1.3792E-05
468		-0.23776	0.0041197	-0.12805	-0.00094417	-0.13399	-0.0053469
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.75		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.19028	-0.0083623	0.12205	-0.00057745	-5.7505E-06	-4.0956E-05
Yj: 0.77899		0.066324	-0.009824	-0.00084977	0.00038092	0.029988	0.018465
Zi: 5.95	Rüzgar Yükü Y	0.19028	-0.0083623	0.12205	-0.00057745	-5.7505E-06	-4.0956E-05
Zj: 5.95		0.066324	-0.009824	-0.00084977	0.00038092	0.029988	0.018465
	Kar Yükü	-0.3287	0.0013565	-0.22803	0.00092826	2.346E-05	1.2563E-05
		-0.098417	0.0036107	0.0022305	-0.00059777	-0.055945	-0.0053319
	Deprem X	-0.023171	0.048759	0.0070556	-0.0038452	-2.8838E-05	0.00019805
		-0.013899	0.036284	-0.0068694	0.0027504	-0.0055043	-0.084283
	Deprem Y	0.06647	-0.059395	-0.013031	-0.00059796	0.00014521	-0.0002706
		0.073087	-0.061267	0.0051012	0.00043971	-0.0026667	0.12129
B15	Ölü Yük	-0.010625	0.00041792	-0.024946	-1.4697E-05	-6.0883E-05	1.8516E-06
456		-0.010625	0.00041792	0.034287	-1.4697E-05	0.012226	-0.0010975
Xi: 9.375m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.375		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	-0.0055059	3.1634E-05	-0.0026383	-6.5338E-08	6.6057E-06	1.4655E-06
Yj: 0.15927		-0.0055059	3.1634E-05	-0.0026383	-6.5338E-08	-0.0069337	-8.1751E-05
Zi: 5.95	Rüzgar Yükü Y	-0.0055059	3.1634E-05	-0.0026383	-6.5338E-08	6.6057E-06	1.4655E-06
Zj: 5.95		-0.0055059	3.1634E-05	-0.0026383	-6.5338E-08	-0.0069337	-8.1751E-05
	Kar Yükü	-0.0004816	0.00039242	0.0044684	1.8574E-06	-6.3512E-05	1.7539E-06
		-0.0004816	0.00039242	0.0044684	1.8574E-06	0.011691	-0.0010306

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	-0.0046024	0.023556	0.0011153	-2.6446E-06	-6.2887E-06	0.00015895
		-0.0046024	0.017675	0.0011153	-2.6446E-06	0.0029329	-0.054582
	Deprem Y	-0.037235	0.0022341	-0.0018532	2.706E-06	-0.00017442	2.0419E-05
		-0.030748	0.0022341	-0.0018532	2.706E-06	-0.0050471	-0.0058568
B9	Ölü Yük	0.09257	-1.3841E-06	-0.032963	-1.9211E-05	3.0856E-05	-1.3376E-06
455		0.09257	-1.3841E-06	0.033006	-1.9211E-05	9.4897E-05	2.7175E-06
Xi: 9.375m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.375		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	-0.043663	1.6849E-06	9.5585E-06	1.0767E-06	-3.9546E-05	2.1453E-06
Yj: 2.8101		-0.043663	1.6849E-06	9.5585E-06	1.0767E-06	-1.1542E-05	-2.791E-06
Zi: 5.95	Rüzgar Yükü Y	-0.043663	1.6849E-06	9.5585E-06	1.0767E-06	-3.9546E-05	2.1453E-06
Zj: 5.95		-0.043663	1.6849E-06	9.5585E-06	1.0767E-06	-1.1542E-05	-2.791E-06
	Kar Yükü	0.069297	-6.0778E-07	1.989E-05	-5.9931E-07	1.3018E-05	-3.7588E-07
		0.069297	-6.0778E-07	1.989E-05	-5.9931E-07	7.1291E-05	1.4048E-06
	Deprem X	0.0057444	0.004761	5.3398E-06	2.7095E-06	-1.0629E-05	7.7613E-06
		0.0057444	-0.0047862	5.3398E-06	2.7095E-06	6.2111E-06	7.3066E-06
	Deprem Y	-0.047542	1.0849E-05	0.0001308	8.1938E-07	-0.00021204	1.5647E-05
		-0.040166	1.0849E-05	0.0001308	8.1938E-07	0.00017119	-1.6138E-05
B9	Ölü Yük	0.080296	-3.9177E-07	-0.03303	-1.8162E-05	0.00011706	-1.4518E-08
454		0.080296	-3.9177E-07	0.032939	-1.8162E-05	-1.6601E-05	1.1333E-06
Xi: 9.375m	Hareketli Yük	0	0	0	0	0	0
Xj: 9.375		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	-0.02441	1.3206E-06	4.2049E-05	3.1085E-06	-7.9556E-05	1.7511E-06
Yj: 5.7601		-0.02441	1.3206E-06	4.2049E-05	3.1085E-06	4.364E-05	-2.118E-06
Zi: 5.95	Rüzgar Yükü Y	-0.02441	1.3206E-06	4.2049E-05	3.1085E-06	-7.9556E-05	1.7511E-06
Zj: 5.95		-0.02441	1.3206E-06	4.2049E-05	3.1085E-06	4.364E-05	-2.118E-06
	Kar Yükü	0.061992	6.3773E-08	-4.0618E-05	-4.3262E-06	9.8746E-05	4.9902E-07
		0.061992	6.3773E-08	-4.0618E-05	-4.3262E-06	-2.0256E-05	3.1218E-07
	Deprem X	0.0055877	0.0047244	-4.573E-06	2.218E-06	5.0439E-06	7.7964E-06
		0.0055877	-0.0047147	-4.573E-06	2.218E-06	1.0457E-05	7.4303E-06
	Deprem Y	0.052042	1.0811E-05	0.00013172	1.1389E-06	-0.00017313	1.5975E-05
		0.059406	1.0811E-05	0.00013172	1.1389E-06	0.00021278	-1.5698E-05
MK24	Ölü Yük	-0.1354	-1.3432E-05	0.037547	3.6544E-06	-0.047139	2.3168E-06
449		-0.33528	4.0404E-05	0.26586	-6.6125E-06	-0.00011986	-2.3475E-07
Xi: 11.25m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.25		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.034353	-7.2272E-05	0.028032	-5.0603E-06	0.016277	-9.9798E-05
Yj: 8.7101		0.085951	-0.00011985	-0.19832	1.0912E-05	9.7569E-05	3.0134E-07
Zi: 5.95	Rüzgar Yükü Y	0.034353	-7.2272E-05	0.028032	-5.0603E-06	0.016277	-9.9798E-05
Zj: 5.95		0.085951	-0.00011985	-0.19832	1.0912E-05	9.7569E-05	3.0134E-07
	Kar Yükü	-0.076771	-3.632E-05	-0.060909	8.7699E-06	-0.031161	-1.4545E-05
		-0.1667	4.8561E-05	0.39304	-1.8679E-05	-9.0335E-05	-1.7793E-07
	Deprem X	-9.5361E-05	-0.031733	-3.8037E-05	-0.0050286	-1.9094E-05	-0.042355
		-0.00013683	-0.051261	0.00015753	0.012295	2.9232E-07	6.7338E-05
	Deprem Y	-0.025121	-0.001025	-0.019254	-5.3325E-06	-0.0033896	-0.0012044
		-0.007863	-0.0010535	0.057851	1.3128E-05	0.00027456	1.8603E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
MK2	Ölü Yük	-0.33007	1.0066E-05	-0.13584	6.2737E-06	0.00013863	0
450		-0.56559	6.1743E-06	0.34455	-9.7988E-06	-2.7843E-05	9.7974E-08
Xi: 11.25m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.25		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.0643	5.8175E-06	0.17739	-8.5389E-06	-0.00011694	0
Yj: 5.7601		0.016208	-1.9862E-05	-0.26599	1.6062E-05	6.4454E-05	2.448E-08
Zi: 5.95	Rüzgar Yükü Y	0.0643	5.8175E-06	0.17739	-8.5389E-06	-0.00011694	0
Zj: 5.95		0.016208	-1.9862E-05	-0.26599	1.6062E-05	6.4454E-05	2.448E-08
	Kar Yükü	-0.16008	-1.2312E-05	-0.33103	1.5632E-05	0.00012825	-4.0102E-08
		-0.0010104	4.3214E-05	0.50296	-3.26E-05	-1.9458E-05	5.9398E-08
	Deprem X	-0.00018833	0.021731	-9.9596E-05	-0.012483	-2.7743E-07	3.1884E-05
		0.0005073	-0.054238	-0.00013488	0.038738	3.3104E-07	3.7457E-05
	Deprem Y	-0.091094	1.4844E-05	0.011466	-9.4793E-06	-0.00027092	-3.6844E-07
		0.074918	-2.0004E-05	0.02104	1.6128E-05	0.0003078	4.6662E-07
MK2	Ölü Yük	-0.56581	-7.3639E-06	-0.15647	1.3394E-06	5.4538E-05	-9.0762E-08
451		-0.50236	-3.7239E-06	0.42847	8.6427E-06	8.5649E-05	2.9849E-07
Xi: 11.25m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.25		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	-0.00063832	1.554E-05	0.14414	-5.3659E-06	-8.0632E-05	0
Yj: 2.8101		0.067124	-1.758E-05	-0.32761	7.4906E-06	1.4007E-05	-7.718E-08
Zi: 5.95	Rüzgar Yükü Y	-0.00063832	1.554E-05	0.14414	-5.3659E-06	-8.0632E-05	0
Zj: 5.95		0.067124	-1.758E-05	-0.32761	7.4906E-06	1.4007E-05	-7.718E-08
	Kar Yükü	-0.0026241	-2.4574E-05	-0.26687	1.0177E-05	5.0031E-05	-1.1283E-07
		-0.078307	2.021E-05	0.60518	-1.097E-05	6.4173E-05	1.9124E-07
	Deprem X	0.00036353	0.024358	2.4083E-05	-0.016633	-3.3739E-07	3.1372E-05
		0.00040302	-0.033062	-7.7557E-05	0.027179	2.711E-07	3.0105E-05
	Deprem Y	-0.0091837	8.1262E-06	0.020472	-7.275E-06	-0.00030803	-4.9235E-07
		0.11316	-3.4522E-05	-0.013484	2.5963E-05	0.00026955	3.8963E-07
MK25	Ölü Yük	-0.50777	-3.3311E-05	-0.20654	-3.7199E-06	-3.5625E-05	-3.7436E-07
452		-0.096281	-4.5717E-05	-0.028208	6.8382E-06	-0.039878	9.9089E-05
Xi: 11.25m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.25		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.055938	5.4001E-06	0.087337	-9.9387E-07	-3.5065E-05	-1.217E-08
Yj: 0.12007		0.014422	-1.9454E-06	-0.02506	-7.3897E-07	-0.0028486	-7.0895E-07
Zi: 5.95	Rüzgar Yükü Y	0.055938	5.4001E-06	0.087337	-9.9387E-07	-3.5065E-05	-1.217E-08
Zj: 5.95		0.014422	-1.9454E-06	-0.02506	-7.3897E-07	-0.0028486	-7.0895E-07
	Kar Yükü	-0.09004	-4.1046E-05	-0.15429	2.3053E-07	-2.6766E-05	-3.0699E-07
		-0.012091	-3.4441E-05	0.04589	2.5876E-06	0.0049309	9.4385E-05
	Deprem X	0.00030533	0.028289	6.3194E-05	-0.0042586	-2.9095E-07	0.000162
		0.00014444	0.010912	0.00015874	0.001989	6.4954E-05	-0.050371
	Deprem Y	0.032109	-0.00027937	0.026499	-7.6128E-06	-0.00027476	-2.0861E-06
		0.035457	-0.00029045	0.0014849	7.4293E-06	0.00059312	0.00074912
B13	Ölü Yük	-0.010418	-0.00046742	-0.024925	1.5469E-05	-5.7837E-05	-2.5408E-06
448		-0.010418	-0.00046742	0.034209	1.5469E-05	0.012133	0.001225
Xi: 13.125m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.125		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Yi: 2.7899	Rüzgar Yükü X	-0.005936	-7.4282E-05	-0.002648	1.1539E-07	6.7052E-06	-1.6742E-06
Yj: 0.16368		-0.005936	-7.4282E-05	-0.002648	1.1539E-07	-0.0069476	0.00019341
Zi: 5.95	Rüzgar Yükü Y	-0.005936	-7.4282E-05	-0.002648	1.1539E-07	6.7052E-06	-1.6742E-06
Zj: 5.95		-0.005936	-7.4282E-05	-0.002648	1.1539E-07	-0.0069476	0.00019341
	Kar Yükü	-0.00020993	-0.00043123	0.0044575	-1.9703E-06	-6.182E-05	-2.3138E-06
		-0.00020993	-0.00043123	0.0044575	-1.9703E-06	0.011644	0.0011302
	Deprem X	-0.0050218	0.023673	-0.0013495	-2.6078E-06	6.1955E-06	0.00015933
		-0.0050218	0.017799	-0.0013495	-2.6078E-06	-0.0035432	-0.054809
	Deprem Y	-0.038498	-0.0025237	-0.0019585	-3.1459E-06	-0.00016883	-2.3094E-05
		-0.031901	-0.0025237	-0.0019585	-3.1459E-06	-0.0053086	0.0066049
B14	Ölü Yük	-0.012238	-0.0016588	-0.026899	-2.9585E-06	-1.9556E-05	-1.064E-05
444		-0.012238	-0.0016588	0.024636	-2.9585E-06	-0.0026094	0.003786
Xi: 16.875m	Hareketli Yük	0	0	0	0	0	0
Xj: 16.875		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.0060102	0.0033552	-0.0004519	1.6664E-05	1.7656E-05	1.6976E-05
Yj: 0.50114		0.0060102	0.0033552	-0.0004519	1.6664E-05	-0.0010166	-0.0076623
Zi: 5.95	Rüzgar Yükü Y	0.0060102	0.0033552	-0.0004519	1.6664E-05	1.7656E-05	1.6976E-05
Zj: 5.95		0.0060102	0.0033552	-0.0004519	1.6664E-05	-0.0010166	-0.0076623
	Kar Yükü	-0.0032255	-0.0016568	0.00088254	-3.4592E-05	-2.4184E-05	-9.459E-06
		-0.0032255	-0.0016568	0.00088254	-3.4592E-05	0.0019957	0.0037825
	Deprem X	0.010682	0.033104	-0.00070151	-3.5828E-06	2.2293E-05	0.00017853
		0.010682	0.02814	-0.00070151	-3.5828E-06	-0.0016041	-0.070458
	Deprem Y	0.040468	0.019776	-0.0018144	-7.097E-06	9.6373E-05	9.5562E-05
		0.045842	0.019776	-0.0018144	-7.097E-06	-0.0041488	-0.045166
B4	Ölü Yük	0.059833	-0.024829	-0.069286	-5.8865E-05	0.020022	-0.019244
68		0	0	0	0	0	0
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.013467	0.0093959	0.027512	-1.6249E-05	-0.0077979	0.0081136
Zj: 7.65		0	0	0	0	0	0
	Rüzgar Yükü Y	-0.013467	0.0093959	0.027512	-1.6249E-05	-0.0077979	0.0081136
		0	0	0	0	0	0
	Kar Yükü	0.03156	-0.0178	-0.042161	-1.4424E-05	0.012356	-0.015447
		0	0	0	0	0	0
	Deprem X	0.017711	0.032269	-0.017046	0.00089042	-0.0069114	0.013535
		0	6.1226E-05	0	0	0	0
	Deprem Y	0.02072	0.0014825	0.03157	-0.00021909	-0.0076122	0.00055468
		0	0	4.2935E-05	0	0	0
B8	Ölü Yük	-0.010651	-0.0023408	-0.028622	8.1137E-05	6.6828E-05	-1.079E-05
436		-0.010651	-0.0023408	0.0087733	8.1137E-05	-0.016416	0.0038768
Xi: 20.4m	Hareketli Yük	0	0	0	0	0	0
Xj: 20.4		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	-0.0013767	0.017106	0.0023478	-1.2052E-05	4.5293E-06	5.3979E-05
Yj: 1.1291		-0.0013767	0.017106	0.0023478	-1.2052E-05	0.0039038	-0.028355
Zi: 5.95	Rüzgar Yükü Y	-0.0013767	0.017106	0.0023478	-1.2052E-05	4.5293E-06	5.3979E-05
Zj: 5.95		-0.0013767	0.017106	0.0023478	-1.2052E-05	0.0039038	-0.028355

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.0017813	-0.0033222	-0.0035992	1.7577E-05	3.5218E-05	-1.1969E-05
		-0.0017813	-0.0033222	-0.0035992	1.7577E-05	-0.0059424	0.0055056
	Deprem X	0.033387	0.074755	-0.027974	-1.3452E-05	2.1568E-05	0.00022489
		0.033387	0.071348	-0.027974	-1.3452E-05	-0.046452	-0.12146
	Deprem Y	-0.056907	0.12442	0.007658	-9.7176E-06	0.00017882	0.0003852
		-0.055044	0.12442	0.007658	-9.7176E-06	0.012806	-0.20624
B9	Ölü Yük	0.10323	1.1426E-06	-0.032963	2.0236E-05	2.7908E-05	1.2276E-06
447		0.10323	1.1426E-06	0.033006	2.0236E-05	9.197E-05	-2.1199E-06
Xi: 13.125m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.125		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	-0.047379	-1.704E-06	8.3766E-06	-1.0793E-06	-3.622E-05	-2.3142E-06
Yj: 2.8101		-0.047379	-1.704E-06	8.3766E-06	-1.0793E-06	-1.1678E-05	2.6782E-06
Zi: 5.95	Rüzgar Yükü Y	-0.047379	-1.704E-06	8.3766E-06	-1.0793E-06	-3.622E-05	-2.3142E-06
Zj: 5.95		-0.047379	-1.704E-06	8.3766E-06	-1.0793E-06	-1.1678E-05	2.6782E-06
	Kar Yükü	0.07639	4.1291E-07	2.008E-05	5.9773E-07	1.083E-05	2.6934E-07
		0.07639	4.1291E-07	2.008E-05	5.9773E-07	6.9659E-05	-9.4039E-07
	Deprem X	-0.006346	0.0047604	-5.3706E-06	2.6543E-06	1.0671E-05	7.8313E-06
		-0.006346	-0.0047855	-5.3706E-06	2.6543E-06	-6.1218E-06	7.3018E-06
	Deprem Y	-0.045931	-1.1751E-05	0.0001242	-1.0378E-06	-0.0001983	-1.7292E-05
		-0.038429	-1.1751E-05	0.0001242	-1.0378E-06	0.00016559	1.7136E-05
B9	Ölü Yük	0.0081664	1.6861E-06	-0.033014	4.2628E-05	8.3816E-05	2.8768E-06
442		0.0081664	1.6861E-06	0.032954	4.2628E-05	-4.2697E-06	-2.0632E-06
Xi: 16.875m	Hareketli Yük	0	0	0	0	0	0
Xj: 16.875		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	-0.0067209	5.0406E-06	1.056E-05	-7.967E-06	-3.2012E-05	7.3457E-06
Yj: 5.7601		-0.0067209	5.0406E-06	1.056E-05	-7.967E-06	-1.0734E-06	-7.4222E-06
Zi: 5.95	Rüzgar Yükü Y	-0.0067209	5.0406E-06	1.056E-05	-7.967E-06	-3.2012E-05	7.3457E-06
Zj: 5.95		-0.0067209	5.0406E-06	1.056E-05	-7.967E-06	-1.0734E-06	-7.4222E-06
	Kar Yükü	0.0066435	2.416E-07	-3.0428E-05	1.1053E-05	7.2032E-05	7.8175E-07
		0.0066435	2.416E-07	-3.0428E-05	1.1053E-05	-1.7115E-05	7.3901E-08
	Deprem X	-0.002695	0.0046761	-1.5094E-05	-2.6395E-07	-2.1056E-05	6.0825E-06
		-0.002695	-0.004669	-1.5094E-05	-2.6395E-07	-2.4365E-05	9.8547E-06
	Deprem Y	-0.036328	4.1531E-05	-8.3938E-05	-3.1726E-06	0.00010483	6.2396E-05
		-0.029145	4.1531E-05	-8.3938E-05	-3.1726E-06	-0.0001411	-5.9281E-05
B9	Ölü Yük	0.0083495	1.4283E-06	-0.032967	4.9314E-05	1.7108E-05	2.7746E-06
443		0.0083495	1.4283E-06	0.033002	4.9314E-05	6.9055E-05	-1.41E-06
Xi: 16.875m	Hareketli Yük	0	0	0	0	0	0
Xj: 16.875		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	-0.00030311	5.2623E-06	-1.0685E-05	-2.6291E-06	3.0361E-06	7.2829E-06
Yj: 2.8101		-0.00030311	5.2623E-06	-1.0685E-05	-2.6291E-06	-2.8269E-05	-8.1347E-06
Zi: 5.95	Rüzgar Yükü Y	-0.00030311	5.2623E-06	-1.0685E-05	-2.6291E-06	3.0361E-06	7.2829E-06
Zj: 5.95		-0.00030311	5.2623E-06	-1.0685E-05	-2.6291E-06	-2.8269E-05	-8.1347E-06
	Kar Yükü	0.0087354	-1.6778E-07	9.7433E-06	1.472E-06	1.3689E-05	1.7528E-07
		0.0087354	-1.6778E-07	9.7433E-06	1.472E-06	4.2235E-05	6.6685E-07
	Deprem X	0.0080312	0.0047106	-1.49E-05	-1.1863E-07	2.403E-05	6.5826E-06
		0.0080312	-0.0047382	-1.49E-05	-1.1863E-07	-2.1841E-05	1.0034E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.036432	4.1555E-05	-8.2327E-05	-2.411E-06	0.00014156	5.9212E-05
		0.043569	4.1555E-05	-8.2327E-05	-2.411E-06	-9.9652E-05	-6.2538E-05
B9	Ölü Yük	-0.0050941	1.3389E-06	-0.032989	2.9227E-05	1.6458E-05	2.9319E-06
434		-0.0050941	1.3389E-06	0.03298	2.9227E-05	2.4347E-06	-9.9089E-07
Xi: 20.4m	Hareketli Yük	0	0	0	0	0	0
Xj: 20.4		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.008593	1.8208E-05	-1.4544E-05	-5.0289E-06	1.8767E-05	2.6149E-05
Yj: 5.7601		0.008593	1.8208E-05	-1.4544E-05	-5.0289E-06	-2.3843E-05	-2.7198E-05
Zi: 5.95	Rüzgar Yükü Y	0.008593	1.8208E-05	-1.4544E-05	-5.0289E-06	1.8767E-05	2.6149E-05
Zj: 5.95		0.008593	1.8208E-05	-1.4544E-05	-5.0289E-06	-2.3843E-05	-2.7198E-05
	Kar Yükü	-0.0041272	-3.3329E-07	-4.8333E-06	6.2867E-06	1.0968E-05	2.7278E-07
		-0.0041272	-3.3329E-07	-4.8333E-06	6.2867E-06	-3.1924E-06	1.2493E-06
	Deprem X	-0.025506	0.0045897	-1.3197E-05	3.989E-06	1.8658E-05	-1.6936E-05
		-0.025506	-0.0045891	-1.3197E-05	3.989E-06	-2.0026E-05	2.2258E-05
	Deprem Y	0.036144	0.00014734	-0.00012729	-2.6989E-06	0.00018219	0.00021485
		0.040684	0.00014734	-0.00012729	-2.6989E-06	-0.00019075	-0.00021682
B9	Ölü Yük	-0.010074	5.3318E-07	-0.032982	4.4724E-05	4.5879E-06	1.944E-06
435		-0.010074	5.3318E-07	0.032986	4.4724E-05	1.0341E-05	3.8189E-07
Xi: 20.4m	Hareketli Yük	0	0	0	0	0	0
Xj: 20.4		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.0053255	1.8638E-05	-1.6923E-05	-3.7554E-06	2.3917E-05	2.6946E-05
Yj: 2.8101		0.0053255	1.8638E-05	-1.6923E-05	-3.7554E-06	-2.5663E-05	-2.766E-05
Zi: 5.95	Rüzgar Yükü Y	0.0053255	1.8638E-05	-1.6923E-05	-3.7554E-06	2.3917E-05	2.6946E-05
Zj: 5.95		0.0053255	1.8638E-05	-1.6923E-05	-3.7554E-06	-2.5663E-05	-2.766E-05
	Kar Yükü	-0.0048371	-1.1542E-06	-2.1442E-07	4.3065E-06	3.0815E-06	-7.9118E-07
		-0.0048371	-1.1542E-06	-2.1442E-07	4.3065E-06	2.4533E-06	2.5904E-06
	Deprem X	-0.025562	0.0046218	-1.3307E-05	-5.6901E-06	1.9973E-05	-1.6726E-05
		-0.025562	-0.0046546	-1.3307E-05	-5.6901E-06	-1.9175E-05	2.0389E-05
	Deprem Y	0.038757	0.0001472	-0.00012694	-1.9236E-06	0.0001908	0.00021674
		0.039203	0.0001472	-0.00012694	-1.9236E-06	-0.00018111	-0.00021454
B9	Ölü Yük	0.089912	3.8223E-07	-0.033027	1.9004E-05	0.00011146	1.1885E-07
446		0.089912	3.8223E-07	0.032942	1.9004E-05	-1.3667E-05	-1.001E-06
Xi: 13.125m	Hareketli Yük	0	0	0	0	0	0
Xj: 13.125		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	-0.02669	-1.4444E-06	3.9635E-05	-3.3205E-06	-7.5886E-05	-1.9622E-06
Yj: 5.7601		-0.02669	-1.4444E-06	3.9635E-05	-3.3205E-06	4.0236E-05	2.2695E-06
Zi: 5.95	Rüzgar Yükü Y	-0.02669	-1.4444E-06	3.9635E-05	-3.3205E-06	-7.5886E-05	-1.9622E-06
Zj: 5.95		-0.02669	-1.4444E-06	3.9635E-05	-3.3205E-06	4.0236E-05	2.2695E-06
	Kar Yükü	0.068621	-7.03E-08	-3.8317E-05	4.6257E-06	9.4309E-05	-4.0326E-07
		0.068621	-7.03E-08	-3.8317E-05	4.6257E-06	-1.7953E-05	-1.9729E-07
	Deprem X	-0.0064567	0.004724	4.644E-06	2.1754E-06	-5.3551E-06	7.8342E-06
		-0.0064567	-0.0047142	4.644E-06	2.1754E-06	-1.0503E-05	7.3806E-06
	Deprem Y	0.060612	-1.1736E-05	0.00012442	-1.2826E-06	-0.00016549	-1.715E-05
		0.068076	-1.1736E-05	0.00012442	-1.2826E-06	0.00019905	1.7235E-05
MK10	Ölü Yük	0.074457	-2.1431E-06	-0.018135	1.5258E-07	0.0057523	1.2401E-06
180		0.080588	-2.1431E-06	-0.018135	1.5258E-07	-0.0078777	2.8509E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.027518	7.1369E-06	0.046608	-1.7749E-07	-0.018432	-4.7602E-07
Zj: 6.8116		0.027518	7.1369E-06	0.046608	-1.7749E-07	0.016599	-5.8402E-06
	Rüzgar Yükü Y	0.027518	7.1369E-06	0.046608	-1.7749E-07	-0.018432	-4.7602E-07
		0.027518	7.1369E-06	0.046608	-1.7749E-07	0.016599	-5.8402E-06
	Kar Yükü	-0.057665	-5.8939E-06	-0.071514	4.4277E-07	0.028223	6.9656E-07
		-0.057665	-5.8939E-06	-0.071514	4.4277E-07	-0.025528	5.1264E-06
	Deprem X	-6.2605E-05	0.0052895	5.052E-05	-0.00057074	-1.9492E-05	0.0016871
		-6.2605E-05	0.0052895	5.052E-05	-0.00057074	1.8482E-05	-0.0023037
	Deprem Y	-0.017205	3.6643E-06	0.033473	-4.5448E-07	-0.013552	1.7423E-06
		-0.017205	3.6643E-06	0.033473	-4.5448E-07	0.011607	-2.4601E-06
MK10	Ölü Yük	0.084053	-1.9546E-05	-0.031957	1.3001E-06	0.010918	-8.8292E-05
197		0.090184	-1.9546E-05	-0.031957	1.3001E-06	-0.013101	-7.3602E-05
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.025728	1.2686E-05	0.047528	-2.0802E-07	-0.018712	3.4485E-05
Zj: 6.8116		0.025728	1.2686E-05	0.047528	-2.0802E-07	0.01701	2.495E-05
	Rüzgar Yükü Y	0.025728	1.2686E-05	0.047528	-2.0802E-07	-0.018712	3.4485E-05
		0.025728	1.2686E-05	0.047528	-2.0802E-07	0.01701	2.495E-05
	Kar Yükü	-0.053187	-2.3684E-05	-0.072986	2.2003E-07	0.028774	-6.2226E-05
		-0.053187	-2.3684E-05	-0.072986	2.2003E-07	-0.026083	-4.4425E-05
	Deprem X	-0.00093661	0.0052161	-0.001268	-0.00057167	0.00051205	0.0016866
		-0.00093661	0.0052161	-0.001268	-0.00057167	-0.00044301	-0.00225
	Deprem Y	-0.01044	2.2983E-05	0.033105	-8.4099E-07	-0.012983	5.0021E-06
		-0.01044	2.2983E-05	0.033105	-8.4099E-07	0.011899	-1.2635E-05
MK10	Ölü Yük	0.13864	-5.341E-06	-0.049631	7.2023E-07	0.016382	-0.00010178
212		0.14477	-5.341E-06	-0.049631	7.2023E-07	-0.020921	-9.7767E-05
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.0039292	1.8234E-05	0.040203	6.7593E-07	-0.015329	3.847E-05
Zj: 6.8116		0.0039292	1.8234E-05	0.040203	6.7593E-07	0.014888	2.4765E-05
	Rüzgar Yükü Y	0.0039292	1.8234E-05	0.040203	6.7593E-07	-0.015329	3.847E-05
		0.0039292	1.8234E-05	0.040203	6.7593E-07	0.014888	2.4765E-05
	Kar Yükü	-0.010144	-1.3228E-05	-0.056399	-5.2861E-07	0.021517	-7.484E-05
		-0.010144	-1.3228E-05	-0.056399	-5.2861E-07	-0.020872	-6.4897E-05
	Deprem X	-0.0043597	0.0052794	0.0052712	-0.0005729	-0.0021164	0.0017134
		-0.0043597	0.0052794	0.0052712	-0.0005729	0.0018493	-0.0022755
	Deprem Y	-0.004616	7.1588E-05	0.035232	3.2363E-06	-0.013159	-1.0369E-05
		-0.004616	7.1588E-05	0.035232	3.2363E-06	0.013325	-6.4081E-05
MK10	Ölü Yük	0.13743	1.0999E-05	-0.051633	-3.3831E-07	0.017166	9.9541E-05
148		0.14356	1.0999E-05	-0.051633	-3.3831E-07	-0.021642	9.1274E-05
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.0035957	-2.0814E-05	0.039862	-1.1569E-06	-0.015193	-3.6166E-05
Zj: 6.8116		0.0035957	-2.0814E-05	0.039862	-1.1569E-06	0.014767	-2.0522E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Rüzgar Yükü Y	0.0035957	-2.0814E-05	0.039862	-1.1569E-06	-0.015193	-3.6166E-05
		0.0035957	-2.0814E-05	0.039862	-1.1569E-06	0.014767	-2.0522E-05
	Kar Yükü	-0.0098652	2.6831E-05	-0.056206	1.5458E-06	0.021441	7.0193E-05
		-0.0098652	2.6831E-05	-0.056206	1.5458E-06	-0.020804	5.0027E-05
	Deprem X	0.0043321	0.005223	-0.0053422	-0.00057286	0.0021434	0.001719
		0.0043321	0.005223	-0.0053422	-0.00057286	-0.0018758	-0.0022292
	Deprem Y	-0.00476	-6.7513E-05	0.034751	-3.4594E-06	-0.012971	1.1876E-05
		-0.00476	-6.7513E-05	0.034751	-3.4594E-06	0.013151	6.2513E-05
MK10	Ölü Yük	0.084159	1.5157E-05	-0.032421	-1.0253E-06	0.01108	8.9928E-05
163		0.090289	1.5157E-05	-0.032421	-1.0253E-06	-0.013287	7.8536E-05
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.025654	-1.2037E-05	0.04659	-2.1048E-07	-0.018343	-3.3957E-05
Zj: 6.8116		0.025654	-1.2037E-05	0.04659	-2.1048E-07	0.016674	-2.491E-05
	Rüzgar Yükü Y	0.025654	-1.2037E-05	0.04659	-2.1048E-07	-0.018343	-3.3957E-05
		0.025654	-1.2037E-05	0.04659	-2.1048E-07	0.016674	-2.491E-05
	Kar Yükü	-0.052876	1.2385E-05	-0.071505	5.5302E-07	0.028193	6.2815E-05
		-0.052876	1.2385E-05	-0.071505	5.5302E-07	-0.025551	5.3506E-05
	Deprem X	0.00098747	0.0052137	0.0011939	-0.00057166	-0.00048108	0.0016865
		0.00098747	0.0052137	0.0011939	-0.00057166	0.00041825	-0.0022484
	Deprem Y	-0.0094256	-1.7693E-05	0.032903	6.8558E-07	-0.012872	-3.531E-06
		-0.0094256	-1.7693E-05	0.032903	6.8558E-07	0.011858	1.0207E-05
MK11	Ölü Yük	-0.1458	0.0012078	0.05162	-1.5367E-06	-0.020779	0.0010063
146		-0.14011	0.0012078	0.05162	-1.5367E-06	0.015228	0.00016373
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.15303	-0.00050319	-0.059893	-4.7753E-07	0.023261	-0.00041488
Zj: 6.7576		0.15303	-0.00050319	-0.059893	-4.7753E-07	-0.018517	-6.3878E-05
	Rüzgar Yükü Y	0.15303	-0.00050319	-0.059893	-4.7753E-07	0.023261	-0.00041488
		0.15303	-0.00050319	-0.059893	-4.7753E-07	-0.018517	-6.3878E-05
	Kar Yükü	-0.29027	0.00095782	0.13328	4.9556E-07	-0.051597	0.00078112
		-0.29027	0.00095782	0.13328	4.9556E-07	0.041371	0.000113
	Deprem X	-0.0058339	0.024961	-0.0071739	-0.00029827	0.0023345	0.015363
		-0.0058339	0.024961	-0.0071739	-0.00029827	-0.0026854	-0.0025479
	Deprem Y	-0.034626	7.7984E-05	0.037071	-2.676E-06	-0.015378	2.3488E-05
		-0.034626	7.7984E-05	0.037071	-2.676E-06	0.010584	-3.1009E-05
MK11	Ölü Yük	-0.14847	-0.0012443	0.055064	2.2952E-06	-0.022115	-0.0010403
210		-0.14278	-0.0012443	0.055064	2.2952E-06	0.016294	-0.00017239
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.15583	0.00052948	-0.061214	-2.4914E-08	0.023774	0.00043849
Zj: 6.7576		0.15583	0.00052948	-0.061214	-2.4914E-08	-0.018926	6.9155E-05
	Rüzgar Yükü Y	0.15583	0.00052948	-0.061214	-2.4914E-08	0.023774	0.00043849
		0.15583	0.00052948	-0.061214	-2.4914E-08	-0.018926	6.9155E-05
	Kar Yükü	-0.2948	-0.00099879	0.13575	6.28E-07	-0.05255	-0.00082637
		-0.2948	-0.00099879	0.13575	6.28E-07	0.042139	-0.00012966

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.0056853	0.025062	0.0070524	-0.00029856	-0.0022912	0.01536
		0.0056853	0.025062	0.0070524	-0.00029856	0.0026419	-0.0026342
	Deprem Y	-0.033974	-6.6909E-05	0.037655	2.7153E-06	-0.015587	-1.2287E-05
		-0.033974	-6.6909E-05	0.037655	2.7153E-06	0.010767	3.4495E-05
MK11	Ölü Yük	-0.14781	-8.7908E-06	0.086356	3.8887E-07	-0.034353	-1.5638E-06
178		-0.14212	-8.7908E-06	0.086356	3.8887E-07	0.025885	4.5682E-06
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.16224	1.4862E-05	-0.050086	-2.4097E-07	0.020247	4.5444E-06
Zj: 6.7576		0.16224	1.4862E-05	-0.050086	-2.4097E-07	-0.014691	-5.8227E-06
	Rüzgar Yükü Y	0.16224	1.4862E-05	-0.050086	-2.4097E-07	0.020247	4.5444E-06
		0.16224	1.4862E-05	-0.050086	-2.4097E-07	-0.014691	-5.8227E-06
	Kar Yükü	-0.28555	-2.6813E-05	0.11473	6.1532E-07	-0.044484	-9.4682E-06
		-0.28555	-2.6813E-05	0.11473	6.1532E-07	0.035549	9.2349E-06
	Deprem X	7.5438E-05	0.02496	6.3385E-05	-0.00029767	1.992E-05	0.015408
		7.5438E-05	0.02496	6.3385E-05	-0.00029767	2.4762E-05	-0.002561
	Deprem Y	0.060315	7.0534E-06	0.045471	1.5063E-07	-0.013058	6.2157E-06
		0.060315	7.0534E-06	0.045471	1.5063E-07	0.018664	1.8998E-06
MK11	Ölü Yük	-0.14956	0.00097474	0.069694	-4.3688E-07	-0.028271	0.00077864
161		-0.14387	0.00097474	0.069694	-4.3688E-07	0.020344	9.8703E-05
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.15862	-0.00040528	-0.050272	-3.8042E-07	0.020141	-0.00031981
Zj: 6.7576		0.15862	-0.00040528	-0.050272	-3.8042E-07	-0.014926	-3.7108E-05
	Rüzgar Yükü Y	0.15862	-0.00040528	-0.050272	-3.8042E-07	0.020141	-0.00031981
		0.15862	-0.00040528	-0.050272	-3.8042E-07	-0.014926	-3.7108E-05
	Kar Yükü	-0.28711	0.00075382	0.11372	9.0191E-07	-0.044348	0.000599
		-0.28711	0.00075382	0.11372	9.0191E-07	0.034974	7.3171E-05
	Deprem X	0.0028807	0.025006	0.0015927	-0.00029931	-0.000484	0.015401
		0.0028807	0.025006	0.0015927	-0.00029931	0.00066613	-0.002552
	Deprem Y	0.022169	-2.0276E-05	0.040973	2.8325E-07	-0.013687	4.1999E-06
		0.022169	-2.0276E-05	0.040973	2.8325E-07	0.014894	1.7876E-05
MK11	Ölü Yük	-0.15045	-0.00099709	0.070069	1.203E-06	-0.028466	-0.00078872
195		-0.14476	-0.00099709	0.070069	1.203E-06	0.020411	-9.3193E-05
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.15946	0.00042275	-0.049202	-1.737E-07	0.019776	0.00033318
Zj: 6.7576		0.15946	0.00042275	-0.049202	-1.737E-07	-0.014545	3.8285E-05
	Rüzgar Yükü Y	0.15946	0.00042275	-0.049202	-1.737E-07	0.019776	0.00033318
		0.15946	0.00042275	-0.049202	-1.737E-07	-0.014545	3.8285E-05
	Kar Yükü	-0.28746	-0.00080008	0.11188	2.8848E-07	-0.043693	-0.00062358
		-0.28746	-0.00080008	0.11188	2.8848E-07	0.03435	-6.5485E-05
	Deprem X	-0.0029078	0.025011	-0.0016818	-0.00029934	0.00051443	0.015401
		-0.0029078	0.025011	-0.0016818	-0.00029934	-0.00069706	-0.0025547
	Deprem Y	0.025451	3.2372E-05	0.041581	-2.2294E-07	-0.013712	8.2631E-06
		0.025451	3.2372E-05	0.041581	-2.2294E-07	0.015292	-1.45E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
MK12	Ölü Yük	-0.24551	-0.0032425	-0.11613	-2.4277E-06	0.046705	-0.0023452
208		-0.24026	-0.0032425	-0.11613	-2.4277E-06	-0.028021	-0.00025863
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.26594	0.0013938	0.084743	1.4491E-06	-0.034751	0.0010022
Zj: 6.7035		0.26594	0.0013938	0.084743	1.4491E-06	0.019781	0.00010536
	Rüzgar Yükü Y	0.26594	0.0013938	0.084743	1.4491E-06	-0.034751	0.0010022
		0.26594	0.0013938	0.084743	1.4491E-06	0.019781	0.00010536
	Kar Yükü	-0.49636	-0.0025807	-0.13694	-2.2047E-06	0.057648	-0.0018686
		-0.49636	-0.0025807	-0.13694	-2.2047E-06	-0.030472	-0.0002079
	Deprem X	-0.0081204	0.051975	0.0057058	0.00038262	-0.001591	0.033764
		-0.0081204	0.051975	0.0057058	0.00038262	0.0021503	0.00067838
	Deprem Y	0.028195	0.00010245	0.035205	2.3892E-06	-0.013099	5.4041E-05
		0.028195	0.00010245	0.035205	2.3892E-06	0.0096544	-1.1963E-05
MK12	Ölü Yük	-0.26861	0.0024266	-0.14599	2.615E-06	0.058179	0.0017528
159		-0.26336	0.0024266	-0.14599	2.615E-06	-0.035764	0.00019128
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.24704	-0.00099639	0.078688	-1.3463E-06	-0.031427	-0.00072091
Zj: 6.7035		0.24704	-0.00099639	0.078688	-1.3463E-06	0.019208	-7.9733E-05
	Rüzgar Yükü Y	0.24704	-0.00099639	0.078688	-1.3463E-06	-0.031427	-0.00072091
		0.24704	-0.00099639	0.078688	-1.3463E-06	0.019208	-7.9733E-05
	Kar Yükü	-0.47382	0.0018695	-0.12645	2.765E-06	0.052534	0.00135
		-0.47382	0.0018695	-0.12645	2.765E-06	-0.028836	0.00014703
	Deprem X	0.0026069	0.052091	0.0055622	0.00038254	-0.0019353	0.033842
		0.0026069	0.052091	0.0055622	0.00038254	0.0016584	0.00067766
	Deprem Y	-0.022673	1.7926E-05	0.045282	3.7642E-07	-0.013686	1.4754E-05
		-0.022673	1.7926E-05	0.045282	3.7642E-07	0.015453	3.2821E-06
MK12	Ölü Yük	-0.26875	-0.0024726	-0.14695	-1.6185E-06	0.058505	-0.0017823
193		-0.2635	-0.0024726	-0.14695	-1.6185E-06	-0.03606	-0.00019124
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.24698	0.001047	0.079493	7.5995E-07	-0.031643	0.00075274
Zj: 6.7035		0.24698	0.001047	0.079493	7.5995E-07	0.019511	7.8999E-05
	Rüzgar Yükü Y	0.24698	0.001047	0.079493	7.5995E-07	-0.031643	0.00075274
		0.24698	0.001047	0.079493	7.5995E-07	0.019511	7.8999E-05
	Kar Yükü	-0.47316	-0.0019667	-0.12757	-1.5937E-06	0.052834	-0.0014135
		-0.47316	-0.0019667	-0.12757	-1.5937E-06	-0.029255	-0.00014786
	Deprem X	-0.0023689	0.052099	-0.0055418	0.00038256	0.0019102	0.033844
		-0.0023689	0.052099	-0.0055418	0.00038256	-0.0016684	0.00067779
	Deprem Y	-0.025408	1.661E-05	0.046832	-3.2426E-07	-0.014042	1.079E-05
		-0.025408	1.661E-05	0.046832	-3.2426E-07	0.016094	-5.3569E-07
MK12	Ölü Yük	-0.2967	-1.1764E-05	-0.1264	4.7063E-07	0.05082	-6.8419E-06
176		-0.29145	-1.1764E-05	-0.1264	4.7063E-07	-0.030517	7.2802E-07
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.06	Rüzgar Yükü X	0.24107	2.0597E-05	0.067409	-2.4563E-07	-0.026789	1.2546E-05
Zj: 6.7035		0.24107	2.0597E-05	0.067409	-2.4563E-07	0.016589	-7.0826E-07
	Rüzgar Yükü Y	0.24107	2.0597E-05	0.067409	-2.4563E-07	-0.026789	1.2546E-05
		0.24107	2.0597E-05	0.067409	-2.4563E-07	0.016589	-7.0826E-07
	Kar Yükü	-0.47208	-4.2964E-05	-0.10476	5.4776E-07	0.044173	-2.5389E-05
		-0.47208	-4.2964E-05	-0.10476	5.4776E-07	-0.023241	2.2583E-06
	Deprem X	9.7158E-05	0.051511	0.00016466	0.00038428	-5.6812E-05	0.033459
		9.7158E-05	0.051511	0.00016466	0.00038428	4.951E-05	0.00068563
	Deprem Y	-0.060929	1.8736E-05	0.051441	1.2604E-07	-0.013838	1.3556E-05
		-0.060929	1.8736E-05	0.051441	1.2604E-07	0.019266	1.504E-06
MK12	Ölü Yük	-0.24207	0.0031389	-0.11598	3.3381E-06	0.046529	0.002265
144		-0.23682	0.0031389	-0.11598	3.3381E-06	-0.028103	0.00024507
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.26285	-0.0013222	0.084461	-1.9618E-06	-0.034588	-0.00094847
Zj: 6.7035		0.26285	-0.0013222	0.084461	-1.9618E-06	0.019762	-9.7634E-05
	Rüzgar Yükü Y	0.26285	-0.0013222	0.084461	-1.9618E-06	-0.034588	-0.00094847
		0.26285	-0.0013222	0.084461	-1.9618E-06	0.019762	-9.7634E-05
	Kar Yükü	-0.49017	0.0024559	-0.13643	3.2642E-06	0.057356	0.0017653
		-0.49017	0.0024559	-0.13643	3.2642E-06	-0.030433	0.00018496
	Deprem X	0.0081919	0.051892	-0.0058715	0.00038211	0.0016311	0.033755
		0.0081919	0.051892	-0.0058715	0.00038211	-0.0022119	0.00068153
	Deprem Y	0.028646	-7.3654E-05	0.03455	-2.3877E-06	-0.012864	-3.3068E-05
		0.028646	-7.3654E-05	0.03455	-2.3877E-06	0.0094846	1.4599E-05
MK22	Ölü Yük	0.022879	-0.0001348	-0.055025	8.496E-07	0.01589	-6.0589E-05
206		0.027643	-0.0001348	-0.055025	8.496E-07	-0.016247	1.8142E-05
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 7.15		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.02647	7.2202E-05	0.019701	-3.5029E-08	-0.0046085	2.4477E-05
Zj: 6.644		0.02647	7.2202E-05	0.019701	-3.5029E-08	0.0068976	-1.7692E-05
	Rüzgar Yükü Y	0.02647	7.2202E-05	0.019701	-3.5029E-08	-0.0046085	2.4477E-05
		0.02647	7.2202E-05	0.019701	-3.5029E-08	0.0068976	-1.7692E-05
	Kar Yükü	-0.045088	-0.00012219	-0.0090691	6.4088E-08	0.00027768	-5.0343E-05
		-0.045088	-0.00012219	-0.0090691	6.4088E-08	-0.0050191	2.1019E-05
	Deprem X	0.0025834	0.0069152	0.0053207	0.00061848	-0.001666	0.0016128
		0.0025834	0.0069152	0.0053207	0.00061848	0.0014453	-0.0024555
	Deprem Y	0.0092438	4.493E-05	0.052037	7.2184E-07	-0.015308	-1.4139E-05
		0.0092438	4.493E-05	0.052037	7.2184E-07	0.015088	-4.0265E-05
MK23	Ölü Yük	-0.70282	-0.00064623	-0.2899	-0.0013112	3.1389E-05	-1.3603E-05
432		-0.23563	-0.0040638	-0.12732	0.00094724	-0.13267	0.0051823
Xi: 18.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.19002	0.0086352	0.12088	0.00056595	-5.3573E-06	4.1362E-05
Yj: 0.79693		0.067301	0.010098	-0.00067015	-0.00038102	0.029944	-0.018833
Zi: 5.95	Rüzgar Yükü Y	0.19002	0.0086352	0.12088	0.00056595	-5.3573E-06	4.1362E-05
Zj: 5.95		0.067301	0.010098	-0.00067015	-0.00038102	0.029944	-0.018833

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.3264	-0.0013795	-0.22598	-0.00090663	2.3259E-05	-1.2513E-05
		-0.098556	-0.0036356	0.0020824	0.000596	-0.05584	0.0053147
	Deprem X	0.024787	0.049844	-0.0071173	-0.0038318	2.9644E-05	0.00019925
		0.017714	0.037409	0.0070125	0.0027819	0.0056828	-0.085787
	Deprem Y	0.071847	0.06156	-0.013207	0.00060072	0.00014755	0.00027494
		0.078094	0.063444	0.0053865	-0.00044803	-0.0026175	-0.12451
MK14	Ölü Yük	-0.17303	-0.0014668	0.063273	-2.3859E-06	-0.025372	-0.0009376
204		-0.16866	-0.0014668	0.063273	-2.3859E-06	0.0085038	-0.00015229
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.1597	0.0006964	-0.11135	1.3471E-06	0.035879	0.00042863
Zj: 6.5954		0.1597	0.0006964	-0.11135	1.3471E-06	-0.023737	5.5786E-05
	Rüzgar Yükü Y	0.1597	0.0006964	-0.11135	1.3471E-06	0.035879	0.00042863
		0.1597	0.0006964	-0.11135	1.3471E-06	-0.023737	5.5786E-05
	Kar Yükü	-0.30762	-0.0012824	0.23949	-3.2322E-06	-0.076452	-0.00081637
		-0.30762	-0.0012824	0.23949	-3.2322E-06	0.05177	-0.00012979
	Deprem X	0.0025131	0.017368	0.0065528	0.00078724	-0.0017768	0.0079699
		0.0025131	0.017368	0.0065528	0.00078724	0.0017449	-0.0014504
	Deprem Y	-0.037311	0.00015796	0.054262	-1.8468E-06	-0.017726	-1.1786E-05
		-0.037311	0.00015796	0.054262	-1.8468E-06	0.011411	-9.3321E-05
MK24	Ölü Yük	-0.26118	0.011579	0.095269	-0.00065366	-0.087718	0.012467
429		-0.6072	0.0085121	0.42273	0.0019746	-4.4302E-05	-2.1159E-05
Xi: 18.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.080776	0.013276	-0.00082859	0.00029204	0.034207	0.015911
Yj: 8.7101		0.2012	0.01449	-0.26188	-0.00081612	9.4629E-06	-2.2E-05
Zi: 5.95	Rüzgar Yükü Y	0.080776	0.013276	-0.00082859	0.00029204	0.034207	0.015911
Zj: 5.95		0.2012	0.01449	-0.26188	-0.00081612	9.4629E-06	-2.2E-05
	Kar Yükü	-0.18041	0.0079318	-0.0011987	-0.00061183	-0.064469	0.0083576
		-0.40472	0.0052967	0.49938	0.0016751	-3.1683E-05	-1.5208E-05
	Deprem X	0.011684	-0.041178	0.0060152	-0.0049527	-0.0046089	-0.053273
		0.028602	-0.059312	-0.022076	0.012089	-2.7345E-05	8.387E-05
	Deprem Y	-0.084946	0.13551	0.0039304	-0.00022155	-0.0012312	0.15771
		-0.082806	0.13416	0.013981	0.00051895	-0.0001507	-0.00023769
MK24	Ölü Yük	-0.064786	0.0063697	-0.012446	-0.00062959	-0.029246	0.0071962
425		-0.16367	0.01223	0.24051	0.0012777	4.9536E-06	-1.2241E-05
Xi: 22.35m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.35		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.037016	0.0096766	0.011906	0.00017091	0.012085	0.0097333
Yj: 8.7101		0.072316	0.0027013	-0.11863	-0.00030849	1.4291E-05	-2.1476E-05
Zi: 5.95	Rüzgar Yükü Y	0.037016	0.0096766	0.011906	0.00017091	0.012085	0.0097333
Zj: 5.95		0.072316	0.0027013	-0.11863	-0.00030849	1.4291E-05	-2.1476E-05
	Kar Yükü	-0.040381	0.001602	-0.028225	-0.00037307	-0.019851	0.0044343
		-0.10727	0.013693	0.23203	0.00068277	-5.2203E-07	-9.0522E-06
	Deprem X	-0.049344	-0.029613	0.007556	-0.0046673	-0.0067507	-0.042863
		0.05204	-0.065954	0.013454	0.011544	3.9321E-05	8.8936E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.13669	0.10103	-0.018538	-0.00015918	0.010573	0.11506
		0.11366	0.094465	0.026409	0.00035756	6.4422E-05	-0.00023632
MK24	Ölü Yük	-0.13746	0.0099127	0.038259	-0.00056093	-0.048011	0.010766
437		-0.34039	0.0075553	0.27064	0.001505	-0.00010948	-1.6817E-05
Xi: 15m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 9.88	Rüzgar Yükü X	0.035952	-0.0045099	0.026846	0.00026938	0.017423	-0.0048993
Yj: 8.7101		0.092523	-0.0034479	-0.20475	-0.0006742	7.1401E-05	9.6098E-06
Zi: 5.95	Rüzgar Yükü Y	0.035952	-0.0045099	0.026846	0.00026938	0.017423	-0.0048993
Zj: 5.95		0.092523	-0.0034479	-0.20475	-0.0006742	7.1401E-05	9.6098E-06
	Kar Yükü	-0.082766	0.0076582	-0.056066	-0.000515	-0.033228	0.0082492
		-0.18439	0.0056378	0.39925	0.0012788	-8.29E-05	-1.3238E-05
	Deprem X	-0.0028851	-0.032278	-0.0015068	-0.0050027	-0.00034024	-0.042854
		-0.0021531	-0.051255	0.0045191	0.012224	1.5235E-05	6.7162E-05
	Deprem Y	-0.039448	-0.00227	-0.0098864	-9.0922E-06	-0.0024211	-0.0026468
		-0.028745	-0.0023116	0.032108	1.1746E-05	0.00010749	1.8941E-05
MK15	Ölü Yük	-0.010204	-0.0023765	0.17482	-1.8877E-05	-0.082068	-0.0012149
203		-0.0027063	-0.0023765	0.17482	-1.8877E-05	0.078622	0.00096954
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 0.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.011342	0.00077223	-0.013748	7.2733E-06	0.0065399	0.00040679
Zj: 6.9792		-0.011342	0.00077223	-0.013748	7.2733E-06	-0.0060973	-0.00030303
	Rüzgar Yükü Y	-0.011342	0.00077223	-0.013748	7.2733E-06	0.0065399	0.00040679
		-0.011342	0.00077223	-0.013748	7.2733E-06	-0.0060973	-0.00030303
	Kar Yükü	0.018807	-0.0014797	0.024811	-1.1227E-05	-0.011877	-0.00075848
		0.018807	-0.0014797	0.024811	-1.1227E-05	0.010929	0.00060161
	Deprem X	-0.0012135	0.0034233	-0.002877	-0.00028411	0.001342	0.00060797
		-0.0012135	0.0034233	-0.002877	-0.00028411	-0.0013026	-0.0029546
	Deprem Y	-0.0060253	-0.0002179	-0.0032951	8.7282E-06	0.0014023	-3.5241E-05
		-0.0060253	-0.0002179	-0.0032951	8.7282E-06	-0.0016306	0.00016578
MK22	Ölü Yük	0.016436	-0.000104	-0.10782	8.0501E-07	0.031432	-4.7003E-05
191		0.0212	-0.000104	-0.10782	8.0501E-07	-0.03154	1.374E-05
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 7.15		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.033366	5.2065E-05	0.0087552	-1.9983E-07	-0.0014873	2.0371E-05
Zj: 6.644		0.033366	5.2065E-05	0.0087552	-1.9983E-07	0.0036261	-1.0037E-05
	Rüzgar Yükü Y	0.033366	5.2065E-05	0.0087552	-1.9983E-07	-0.0014873	2.0371E-05
		0.033366	5.2065E-05	0.0087552	-1.9983E-07	0.0036261	-1.0037E-05
	Kar Yükü	-0.059093	-9.9288E-05	0.0045095	2.1833E-08	-0.003723	-3.9018E-05
		-0.059093	-9.9288E-05	0.0045095	2.1833E-08	-0.0010893	1.897E-05
	Deprem X	0.00053915	0.0069198	-0.0068933	0.00061866	0.0020876	0.0016144
		0.00053915	0.0069198	-0.0068933	0.00061866	-0.0019392	-0.0024559
	Deprem Y	0.0062548	5.9976E-06	0.046451	-7.5855E-07	-0.014499	-2.223E-06
		0.0062548	5.9976E-06	0.046451	-7.5855E-07	0.01263	-5.0221E-06
MK13	Ölü Yük	0.041995	2.3463E-06	-0.11658	1.9254E-07	0.035463	-3.1837E-06
174		0.046891	2.3463E-06	-0.11658	1.9254E-07	-0.034515	-4.5921E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 6.85		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.024572	5.4099E-07	0.020781	-1.4379E-07	-0.005646	1.6734E-06
Zj: 6.6603		0.024572	5.4099E-07	0.020781	-1.4379E-07	0.0068282	1.3487E-06
	Rüzgar Yükü Y	0.024572	5.4099E-07	0.020781	-1.4379E-07	-0.005646	1.6734E-06
		0.024572	5.4099E-07	0.020781	-1.4379E-07	0.0068282	1.3487E-06
	Kar Yükü	-0.043634	-4.3236E-06	-0.019448	2.1733E-07	0.0042554	-3.6636E-06
		-0.043634	-4.3236E-06	-0.019448	2.1733E-07	-0.0074183	-1.0683E-06
	Deprem X	-3.9725E-05	0.0064818	0.00021813	0.0005571	-6.7652E-05	0.0018625
		-3.9725E-05	0.0064818	0.00021813	0.0005571	6.3294E-05	-0.0020612
	Deprem Y	0.0063247	-2.0402E-06	0.042316	-1.5741E-07	-0.014048	-1.27E-06
		0.0063247	-2.0402E-06	0.042316	-1.5741E-07	0.011353	1.9744E-07
MK14	Ölü Yük	-0.15972	1.3309E-05	0.0074607	-6.2517E-07	-0.0073844	-6.475E-06
172		-0.15535	1.3309E-05	0.0074607	-6.2517E-07	-0.0033901	-1.36E-05
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.17773	4.5411E-06	-0.13628	2.783E-07	0.043013	7.5566E-06
Zj: 6.5954		0.17773	4.5411E-06	-0.13628	2.783E-07	-0.029951	5.1253E-06
	Rüzgar Yükü Y	0.17773	4.5411E-06	-0.13628	2.783E-07	0.043013	7.5566E-06
		0.17773	4.5411E-06	-0.13628	2.783E-07	-0.029951	5.1253E-06
	Kar Yükü	-0.31827	-8.2384E-06	0.28328	-8.2473E-07	-0.087412	-1.3072E-05
		-0.31827	-8.2384E-06	0.28328	-8.2473E-07	0.064254	-8.6609E-06
	Deprem X	3.8524E-05	0.018541	0.00028452	0.00079465	-8.1996E-05	0.0082932
		3.8524E-05	0.018541	0.00028452	0.00079465	7.0474E-05	-0.0017516
	Deprem Y	0.045023	1.7576E-05	0.063088	-8.2255E-07	-0.014544	8.6696E-06
		0.045023	1.7576E-05	0.063088	-8.2255E-07	0.019236	-1.8408E-06
MK14	Ölü Yük	-0.15097	-0.0010823	0.0043989	-2.069E-06	-0.0066811	-0.0007022
189		-0.1466	-0.0010823	0.0043989	-2.069E-06	-0.004326	-0.00012276
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.16252	0.00050311	-0.12126	1.3002E-06	0.038726	0.00032404
Zj: 6.5954		0.16252	0.00050311	-0.12126	1.3002E-06	-0.026193	5.4684E-05
	Rüzgar Yükü Y	0.16252	0.00050311	-0.12126	1.3002E-06	0.038726	0.00032404
		0.16252	0.00050311	-0.12126	1.3002E-06	-0.026193	5.4684E-05
	Kar Yükü	-0.29842	-0.00095118	0.25217	-3.0016E-06	-0.079117	-0.00061381
		-0.29842	-0.00095118	0.25217	-3.0016E-06	0.055894	-0.00010456
	Deprem X	-0.0025391	0.017436	-0.0079322	0.00078728	0.0022347	0.0080185
		-0.0025391	0.017436	-0.0079322	0.00078728	-0.0020263	-0.0014349
	Deprem Y	0.013804	2.3829E-05	0.056439	-1.3039E-06	-0.014941	9.1601E-06
		0.013804	2.3829E-05	0.056439	-1.3039E-06	0.015276	-4.8187E-06
MK15	Ölü Yük	-0.020329	1.1511E-05	0.15807	4.1313E-07	-0.074126	7.1012E-06
186		-0.012832	1.1511E-05	0.15807	4.1313E-07	0.071163	-3.4798E-06
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 0.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0045284	3.8768E-07	-0.0044788	-3.9866E-07	0.0021541	-2.3566E-06
Zj: 6.9792		-0.0045284	3.8768E-07	-0.0044788	-3.9866E-07	-0.0019627	-2.7129E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Rüzgar Yükü Y	-0.0045284	3.8768E-07	-0.0044788	-3.9866E-07	0.0021541	-2.3566E-06
		-0.0045284	3.8768E-07	-0.0044788	-3.9866E-07	-0.0019627	-2.7129E-06
	Kar Yükü	0.0029213	1.7008E-06	0.0080428	5.54E-07	-0.0039915	4.9642E-06
		0.0029213	1.7008E-06	0.0080428	5.54E-07	0.0034013	3.4008E-06
	Deprem X	-0.000158	0.0024329	-0.00010066	-0.00029876	4.9064E-05	-0.0006539
		-0.000158	0.0024329	-0.00010066	-0.00029876	-4.346E-05	-0.0021256
	Deprem Y	-0.018892	1.4862E-05	-0.004201	-9.4239E-07	0.0016651	6.1138E-06
		-0.018892	1.4862E-05	-0.004201	-9.4239E-07	-0.0022053	-8.3827E-06
MK15	Ölü Yük	-0.010659	0.0024019	0.17538	1.9498E-05	-0.082328	0.0012371
169		-0.0031611	0.0024019	0.17538	1.9498E-05	0.078879	-0.0009706
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 0.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.011179	-0.00078032	-0.014253	-7.9615E-06	0.0067766	-0.00041355
Zj: 6.9792		-0.011179	-0.00078032	-0.014253	-7.9615E-06	-0.0063241	0.0003037
	Rüzgar Yükü Y	-0.011179	-0.00078032	-0.014253	-7.9615E-06	0.0067766	-0.00041355
		-0.011179	-0.00078032	-0.014253	-7.9615E-06	-0.0063241	0.0003037
	Kar Yükü	0.018427	0.001495	0.025763	1.2182E-05	-0.012325	0.00077294
		0.018427	0.001495	0.025763	1.2182E-05	0.011356	-0.00060125
	Deprem X	0.0012069	0.0034476	0.0026249	-0.00028443	-0.0012216	0.00061439
		0.0012069	0.0034476	0.0026249	-0.00028443	0.0011913	-0.0029561
	Deprem Y	-0.0051964	0.00022108	-0.0033087	-1.0102E-05	0.0014229	4.0024E-05
		-0.0051964	0.00022108	-0.0033087	-1.0102E-05	-0.0016236	-0.00016408
MK22	Ölü Yük	0.016343	0.00011686	-0.1066	-7.6646E-07	0.031058	3.8495E-05
157		0.021107	0.00011686	-0.1066	-7.6646E-07	-0.031202	-2.9757E-05
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 7.15		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.032676	-5.4549E-05	0.0084258	1.1579E-07	-0.0013827	-1.5696E-05
Zj: 6.644		0.032676	-5.4549E-05	0.0084258	1.1579E-07	0.0035383	1.6163E-05
	Rüzgar Yükü Y	0.032676	-5.4549E-05	0.0084258	1.1579E-07	-0.0013827	-1.5696E-05
		0.032676	-5.4549E-05	0.0084258	1.1579E-07	0.0035383	1.6163E-05
	Kar Yükü	-0.058322	0.00010239	0.0054956	-9.8713E-08	-0.0040291	2.9067E-05
		-0.058322	0.00010239	0.0054956	-9.8713E-08	-0.00081947	-3.0733E-05
	Deprem X	-0.00059123	0.006916	0.0070215	0.00061861	-0.0021224	0.0016148
		-0.00059123	0.006916	0.0070215	0.00061861	0.0019793	-0.0024533
	Deprem Y	0.0062793	-8.1235E-06	0.045656	5.2536E-07	-0.014211	1.6446E-06
		0.0062793	-8.1235E-06	0.045656	5.2536E-07	0.012454	5.5907E-06
MK14	Ölü Yük	-0.15029	0.001101	0.0058984	6.7752E-07	-0.0070736	0.00068429
155		-0.14592	0.001101	0.0058984	6.7752E-07	-0.0039156	9.482E-05
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.16208	-0.00049655	-0.12119	-5.6399E-07	0.038707	-0.00030709
Zj: 6.5954		0.16208	-0.00049655	-0.12119	-5.6399E-07	-0.026175	-4.124E-05
	Rüzgar Yükü Y	0.16208	-0.00049655	-0.12119	-5.6399E-07	0.038707	-0.00030709
		0.16208	-0.00049655	-0.12119	-5.6399E-07	-0.026175	-4.124E-05
	Kar Yükü	-0.29846	0.00094425	0.25319	1.0817E-06	-0.079435	0.0005844
		-0.29846	0.00094425	0.25319	1.0817E-06	0.056119	7.8852E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.0026495	0.017432	0.0080447	0.0007873	-0.0022752	0.0080174
		0.0026495	0.017432	0.0080447	0.0007873	0.0020471	-0.0014338
	Deprem Y	0.01153	1.1671E-05	0.055091	7.0523E-07	-0.014727	9.7364E-06
		0.01153	1.1671E-05	0.055091	7.0523E-07	0.014769	5.2073E-06
MK22	Ölü Yük	0.021587	0.0001449	-0.055748	-5.386E-07	0.016108	5.1946E-05
142		0.026351	0.0001449	-0.055748	-5.386E-07	-0.016451	-3.2682E-05
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 7.15		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.026457	-7.8688E-05	0.020654	-1.3757E-07	-0.0049076	-1.9255E-05
Zj: 6.644		0.026457	-7.8688E-05	0.020654	-1.3757E-07	0.0071551	2.6702E-05
	Rüzgar Yükü Y	0.026457	-7.8688E-05	0.020654	-1.3757E-07	-0.0049076	-1.9255E-05
		0.026457	-7.8688E-05	0.020654	-1.3757E-07	0.0071551	2.6702E-05
	Kar Yükü	-0.044987	0.00013726	-0.011007	7.6961E-08	0.0008802	3.9009E-05
		-0.044987	0.00013726	-0.011007	7.6961E-08	-0.0055481	-4.1155E-05
	Deprem X	-0.002656	0.0068459	-0.0054776	0.00061792	0.0017165	0.0016187
		-0.002656	0.0068459	-0.0054776	0.00061792	-0.0014864	-0.0024076
	Deprem Y	0.0097555	-4.7432E-05	0.05128	-9.647E-07	-0.015066	1.3375E-05
		0.0097555	-4.7432E-05	0.05128	-9.647E-07	0.014889	4.1007E-05
MK14	Ölü Yük	-0.16889	0.0014372	0.061357	1.3046E-06	-0.024597	0.00089644
140		-0.16452	0.0014372	0.061357	1.3046E-06	0.0082528	0.00012696
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.15622	-0.00067416	-0.10845	-7.301E-07	0.034918	-0.00040115
Zj: 6.5954		0.15622	-0.00067416	-0.10845	-7.301E-07	-0.023145	-4.0209E-05
	Rüzgar Yükü Y	0.15622	-0.00067416	-0.10845	-7.301E-07	0.034918	-0.00040115
		0.15622	-0.00067416	-0.10845	-7.301E-07	-0.023145	-4.0209E-05
	Kar Yükü	-0.3017	0.001246	0.23399	1.6038E-06	-0.074664	0.00076676
		-0.3017	0.001246	0.23399	1.6038E-06	0.050615	9.9678E-05
	Deprem X	-0.0028372	0.01729	-0.006768	0.00078696	0.001843	0.0079666
		-0.0028372	0.01729	-0.006768	0.00078696	-0.0017984	-0.0014061
	Deprem Y	-0.039318	-0.00013216	0.053186	1.0205E-06	-0.017513	2.4247E-05
		-0.039318	-0.00013216	0.053186	1.0205E-06	0.011074	9.4685E-05
MK2	Ölü Yük	-0.10321	-0.0019055	-0.093638	-0.0007457	1.415E-05	7.8362E-07
427		-0.086329	0.0040714	0.3642	0.0029888	-1.6312E-05	-8.9433E-07
Xi: 22.35m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.35		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.029449	0.0033138	0.068429	0.000275	-2.8806E-05	2.6328E-05
Yj: 2.8101		0.025723	-0.0059333	-0.20292	-0.0007429	2.6486E-05	-1.9997E-05
Zi: 5.95	Rüzgar Yükü Y	0.029449	0.0033138	0.068429	0.000275	-2.8806E-05	2.6328E-05
Zj: 5.95		0.025723	-0.0059333	-0.20292	-0.0007429	2.6486E-05	-1.9997E-05
	Kar Yükü	-0.078213	-0.0063649	-0.12719	-0.00051218	2.62E-05	-8.0729E-06
		-0.048801	0.011881	0.36934	0.0014305	-2.3372E-05	-4.5359E-06
	Deprem X	0.12934	0.023288	0.045334	-0.016193	-3.9004E-05	3.993E-05
		-0.091911	-0.040418	0.050517	0.026833	4.0652E-05	3.627E-05
	Deprem Y	-0.10654	-0.00049859	0.010207	1.557E-05	-6.8916E-05	0.00019541
		-0.1332	0.0047635	-0.035802	0.00033624	6.5064E-05	-0.0001985

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
MK28	Ölü Yük	-0.23014	0.0071931	-0.098609	2.2618E-07	0.038668	0.0024871
87		-0.042534	-0.0014927	-0.023188	3.7423E-05	-0.010845	-9.5402E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 9.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.13345	-0.0076286	0.034849	-5.4306E-06	-0.014744	-0.0017213
Zj: 7.55		0.013395	0.0019126	0.0037567	-2.2767E-05	0.0021843	9.4876E-05
	Rüzgar Yükü Y	0.13345	-0.0076286	0.034849	-5.4306E-06	-0.014744	-0.0017213
		0.013395	0.0019126	0.0037567	-2.2767E-05	0.0021843	9.4876E-05
	Kar Yükü	-0.26644	0.013371	-0.065994	2.6113E-05	0.028727	0.0035325
		-0.030214	-0.0026803	-0.0082581	4.3162E-05	-0.0046742	-0.00014748
	Deprem X	0.013508	0.050712	-0.025659	0.00086128	-0.0035964	0.010994
		0.0050011	-0.022041	-0.0053076	0.0007196	-0.005079	-0.00089505
	Deprem Y	-0.045924	-0.0066438	-0.031157	8.3487E-05	0.0088319	0.00086478
		-0.013008	0.0048369	-0.0052473	6.4022E-07	-0.0019534	0.00016937
MK2	Ölü Yük	-0.58232	0.0015033	-0.1616	-0.0010753	7.6961E-05	6.9085E-06
430		-0.69269	-0.0032177	0.29374	0.0026574	-3.85E-06	8.0017E-07
Xi: 18.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.17678	-0.00067879	0.15923	0.00048558	-3.127E-05	2.0632E-05
Yj: 5.7601		0.17344	0.0013963	-0.2863	-0.0011115	-1.0967E-05	-2.4255E-05
Zi: 5.95	Rüzgar Yükü Y	0.17678	-0.00067879	0.15923	0.00048558	-3.127E-05	2.0632E-05
Zj: 5.95		0.17344	0.0013963	-0.2863	-0.0011115	-1.0967E-05	-2.4255E-05
	Kar Yükü	-0.38736	0.0012806	-0.31454	-0.00092368	7.4984E-05	3.4973E-06
		-0.30079	-0.0025585	0.52233	0.0020697	-2.7012E-06	2.6267E-06
	Deprem X	0.035232	0.021578	0.0022854	-0.012327	2.6115E-05	3.2657E-05
		-0.027309	-0.053825	-0.0047076	0.038573	-3.2779E-05	3.9558E-05
	Deprem Y	-0.12667	-1.0012E-05	-0.043115	-1.0756E-05	0.00015467	0.00017936
		0.030266	0.00024425	-0.041152	-3.415E-05	-0.0001891	-0.00018262
MK2	Ölü Yük	-0.68675	0.0012461	-0.13163	-0.0011588	2.6037E-05	4.1015E-06
431		-0.67264	-0.0038837	0.56256	0.0037352	5.0126E-05	3.7265E-06
Xi: 18.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.16387	-0.00049714	0.13775	0.00048436	-7.9985E-06	2.2352E-05
Yj: 2.8101		0.192	0.001515	-0.36375	-0.0013955	-2.6592E-05	-2.505E-05
Zi: 5.95	Rüzgar Yükü Y	0.16387	-0.00049714	0.13775	0.00048436	-7.9985E-06	2.2352E-05
Zj: 5.95		0.192	0.001515	-0.36375	-0.0013955	-2.6592E-05	-2.505E-05
	Kar Yükü	-0.29981	0.00095896	-0.26994	-0.00091073	3.8817E-05	8.8077E-07
		-0.30128	-0.0027097	0.66252	0.0025576	3.4886E-05	4.7912E-06
	Deprem X	0.036851	0.024247	0.0021604	-0.016584	3.2533E-05	3.5406E-05
		-0.021409	-0.032386	0.0068521	0.02688	-2.8936E-05	2.954E-05
	Deprem Y	0.024895	0.00013309	-0.03752	-1.7978E-05	0.00019082	0.00018234
		0.12101	0.00042999	-0.042639	-0.00011638	-0.00014864	-0.0001793
MK28	Ölü Yük	-0.109	-0.0029876	0.080365	-4.2036E-06	-0.029353	-0.0014857
88		-0.012018	1.2885E-05	0.0022673	6.3296E-06	0.0012626	1.5806E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.05	Rüzgar Yükü X	0.078541	0.0044792	-0.038563	1.0784E-06	0.014092	0.0011797
Zj: 7.55		0.00027878	-0.00084405	-0.0048189	9.333E-07	-0.001939	-5.2654E-05
	Rüzgar Yükü Y	0.078541	0.0044792	-0.038563	1.0784E-06	0.014092	0.0011797
		0.00027878	-0.00084405	-0.0048189	9.333E-07	-0.001939	-5.2654E-05
	Kar Yükü	-0.14529	-0.0079415	0.087051	-2.4926E-06	-0.031075	-0.0022129
		9.8409E-05	0.0011596	0.01073	2.1219E-06	0.0044224	7.6857E-05
	Deprem X	-0.017777	0.028903	0.031571	0.00066971	-0.0047008	0.0065626
		0.0040125	-0.01498	0.0080336	0.00069492	0.0062557	-0.00093565
	Deprem Y	0.006876	0.0016645	0.046331	-2.7863E-06	-0.0148	-0.00022755
		0.0019276	-0.0018562	0.0056848	1.6511E-05	0.0025931	-9.7788E-05
MK28	Ölü Yük	-0.10843	0.002792	0.079671	5.2856E-06	-0.029076	0.0014287
94		-0.011818	2.1396E-05	0.0021712	-3.1833E-06	0.0011915	-2.297E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 8.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.079407	-0.004442	-0.038568	-1.3992E-06	0.014088	-0.0011676
Zj: 7.55		0.00015415	0.00083119	-0.0049766	-2.072E-06	-0.0019877	5.5832E-05
	Rüzgar Yükü Y	0.079407	-0.004442	-0.038568	-1.3992E-06	0.014088	-0.0011676
		0.00015415	0.00083119	-0.0049766	-2.072E-06	-0.0019877	5.5832E-05
	Kar Yükü	-0.1467	0.007872	0.087637	2.7939E-06	-0.03124	0.0021879
		0.00039984	-0.001134	0.011199	-2.1144E-08	0.0045873	-8.2994E-05
	Deprem X	-0.017787	0.029078	-0.031403	0.00066971	0.0046318	0.006577
		-0.0040553	-0.015045	-0.0081874	0.0006951	-0.0063231	-0.00093813
	Deprem Y	0.0069111	-0.0016337	0.047398	-2.9456E-06	-0.015119	0.00023434
		0.0020171	0.0018536	0.0057163	-1.6369E-05	0.0026151	9.7331E-05
MK28	Ölü Yük	0.030149	-0.00068323	0.0078788	5.8004E-06	-0.0028513	0.00058595
95		0.015389	-0.00032466	-0.012285	6.4557E-06	-0.0042325	-1.7156E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 7.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	-0.0023172	0.0020434	0.010188	-8.0105E-06	-0.0031497	-0.0001413
Zj: 7.55		-0.016126	-4.0265E-05	0.0094005	-1.6377E-06	0.0031891	-4.9425E-06
	Rüzgar Yükü Y	-0.0023172	0.0020434	0.010188	-8.0105E-06	-0.0031497	-0.0001413
		-0.016126	-4.0265E-05	0.0094005	-1.6377E-06	0.0031891	-4.9425E-06
	Kar Yükü	0.005725	-0.0036584	-0.0064682	1.5393E-05	0.0015135	0.00027274
		0.030331	-0.00012198	-0.015902	4.9022E-06	-0.0052205	-3.0907E-06
	Deprem X	0.035016	0.0065286	0.02696	0.00050136	-0.0062515	0.0025243
		0.0079691	-0.0059085	-0.0053088	0.00051575	0.0040712	-0.00046397
	Deprem Y	0.004025	0.00068544	0.039353	3.331E-06	-0.013681	8.0427E-05
		0.00032901	-0.00091661	0.0063232	8.7665E-06	0.0027038	-5.6805E-05
MK28	Ölü Yük	0.029594	0.00064596	0.0067262	-4.3986E-06	-0.0024787	-0.00056949
101		0.015658	0.00035168	-0.013033	-5.7364E-06	-0.0045158	1.7379E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 7.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	-0.0020326	-0.0020516	0.011054	7.5532E-06	-0.0034275	0.00013533
Zj: 7.55		-0.016454	2.6194E-05	0.0097769	1.4021E-06	0.0033265	4.6176E-06
	Rüzgar Yükü Y	-0.0020326	-0.0020516	0.011054	7.5532E-06	-0.0034275	0.00013533
		-0.016454	2.6194E-05	0.0097769	1.4021E-06	0.0033265	4.6176E-06

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	0.0051164	0.0036763	-0.0077606	-1.4566E-05	0.0019202	-0.00026054
		0.031014	0.00015665	-0.016523	-4.5532E-06	-0.0054446	4.1362E-06
	Deprem X	-0.034698	0.0065854	-0.026938	0.00050152	0.0062311	0.0025129
		-0.0079341	-0.0059221	0.0052978	0.00051579	-0.0040866	-0.00046468
	Deprem Y	0.0040768	-0.00071612	0.040236	-3.4785E-06	-0.013985	-8.2056E-05
		0.00032651	0.000946	0.0062738	-8.8538E-06	0.0026951	5.8188E-05
MK28	Ölü Yük	-0.18065	-0.0034604	-0.029494	8.7608E-06	0.015248	-0.0017884
102		-0.029231	0.00062149	-0.016853	1.8777E-06	-0.0055635	2.5107E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.14987	0.004807	0.033513	-6.7518E-06	-0.015435	0.0021565
Zj: 7.55		0.016992	-0.00044385	0.010233	-1.2558E-06	0.0031943	-1.9413E-05
	Rüzgar Yükü Y	0.14987	0.004807	0.033513	-6.7518E-06	-0.015435	0.0021565
		0.016992	-0.00044385	0.010233	-1.2558E-06	0.0031943	-1.9413E-05
	Kar Yükü	-0.28718	-0.0090635	-0.05194	1.2666E-05	0.025087	-0.004175
		-0.033505	0.00071798	-0.015834	2.3451E-06	-0.0046985	2.9679E-05
	Deprem X	-0.018423	0.050972	0.015164	0.000307	-0.0054065	0.033456
		0.0054663	-0.0057615	-0.0080013	0.00024144	-0.0018854	-0.0005799
	Deprem Y	-0.016558	-0.00036134	0.033898	-6.1093E-07	-0.012154	-0.00035087
		-0.0043308	-0.00067624	0.010769	-5.8086E-07	0.0040353	-3.8556E-05
MK28	Ölü Yük	-0.18306	0.0034485	-0.030669	-8.1537E-06	0.015723	0.0017733
108		-0.029456	-0.00061062	-0.017771	-1.4934E-06	-0.0058847	-2.4595E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 6.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.15256	-0.0048312	0.034608	6.4581E-06	-0.015894	-0.0021612
Zj: 7.55		0.017319	0.00044316	0.010666	1.0567E-06	0.0033456	1.9267E-05
	Rüzgar Yükü Y	0.15256	-0.0048312	0.034608	6.4581E-06	-0.015894	-0.0021612
		0.017319	0.00044316	0.010666	1.0567E-06	0.0033456	1.9267E-05
	Kar Yükü	-0.29366	0.0091631	-0.053959	-1.2083E-05	0.025947	0.0042093
		-0.034193	-0.00071386	-0.016596	-1.9257E-06	-0.0049556	-2.9144E-05
	Deprem X	0.018291	0.051048	-0.015168	0.0003072	0.0053912	0.033462
		-0.0054671	-0.005782	0.0079173	0.00024144	0.001861	-0.00058045
	Deprem Y	-0.01725	0.00035333	0.034675	5.424E-07	-0.012427	0.00038407
		-0.0045092	0.00069752	0.010895	-4.562E-07	0.0040846	3.9721E-05
MK2	Ölü Yük	-0.30841	0.0011571	-0.13202	-0.00081942	0.00012836	5.0159E-06
438		-0.5551	-0.0024874	0.33651	0.0020571	-1.8902E-05	-4.3888E-07
Xi: 15m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.064022	-0.000514	0.16996	0.00036904	-9.0193E-05	-3.8281E-06
Yj: 5.7601		0.02995	0.0010335	-0.27184	-0.00084488	3.6205E-05	2.1592E-06
Zi: 5.95	Rüzgar Yükü Y	0.064022	-0.000514	0.16996	0.00036904	-9.0193E-05	-3.8281E-06
Zj: 5.95		0.02995	0.0010335	-0.27184	-0.00084488	3.6205E-05	2.1592E-06
	Kar Yükü	-0.15844	0.00097103	-0.32339	-0.00070253	0.00011987	3.1012E-06
		-0.026202	-0.0019451	0.50721	0.0015817	-1.5726E-05	9.3985E-07
	Deprem X	-0.0083122	0.021773	-0.0034216	-0.012387	-1.4971E-05	3.3133E-05
		0.013749	-0.054085	-0.0040511	0.038684	1.3786E-05	3.7396E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	-0.087419	-9.9366E-06	-0.010297	-1.2167E-05	-0.00010359	-1.6209E-05
		0.068142	-2.574E-05	-0.0053418	1.5376E-05	0.00010905	1.9854E-05
MK2	Ölü Yük	-0.55114	0.0009751	-0.14948	-0.00090144	4.5655E-05	3.9266E-06
439		-0.52379	-0.0027337	0.45469	0.0027967	8.3709E-05	1.1334E-06
Xi: 15m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 5.7399	Rüzgar Yükü X	0.011426	-0.00039795	0.14144	0.00037381	-5.3371E-05	-3.5058E-06
Yj: 2.8101		0.076976	0.0010209	-0.33276	-0.0010312	-5.0824E-06	9.9466E-07
Zi: 5.95	Rüzgar Yükü Y	0.011426	-0.00039795	0.14144	0.00037381	-5.3371E-05	-3.5058E-06
Zj: 5.95		0.076976	0.0010209	-0.33276	-0.0010312	-5.0824E-06	9.9466E-07
	Kar Yükü	-0.025448	0.00073306	-0.26687	-0.00070014	4.8211E-05	1.5647E-06
		-0.10037	-0.0019023	0.61107	0.0019112	5.9063E-05	2.1558E-06
	Deprem X	0.0073587	0.024343	-0.0014677	-0.016624	-1.4025E-05	3.1158E-05
		0.0081817	-0.03295	-0.00085694	0.027108	-1.423E-05	2.9677E-05
	Deprem Y	-0.016158	-2.8299E-05	-0.0029056	-4.05E-06	-0.00010855	-1.9925E-05
		0.09391	-9.7404E-05	-0.0261	3.4553E-05	0.00010561	1.6079E-05
MK28	Ölü Yük	-0.07751	-0.0022613	0.037798	-4.1185E-06	-0.016526	-0.00067844
109		-0.0016198	-0.00081605	-0.0021262	1.5045E-06	-0.00090548	-5.0675E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.076952	0.003232	-0.027425	-6.4364E-07	0.012188	0.0010591
Zj: 7.55		-0.0020039	0.0013078	-0.0073241	-3.1572E-06	-0.0020195	6.8196E-05
	Rüzgar Yükü Y	0.076952	0.003232	-0.027425	-6.4364E-07	0.012188	0.0010591
		-0.0020039	0.0013078	-0.0073241	-3.1572E-06	-0.0020195	6.8196E-05
	Kar Yükü	-0.13643	-0.005742	0.059759	7.2599E-07	-0.02598	-0.0018453
		0.0054781	-0.0029333	0.017394	7.6048E-06	0.0050903	-0.000144
	Deprem X	0.026124	0.021647	-0.039416	-0.00024969	0.016412	0.016182
		0.005758	0.011711	-0.011944	-0.00025834	-0.0053884	-0.00072058
	Deprem Y	0.019541	0.00094837	0.029029	-2.7489E-06	-0.011257	0.00035551
		0.0042686	-0.0019665	0.012308	7.8655E-06	0.0042275	-6.3913E-05
MK28	Ölü Yük	-0.078887	0.0023001	0.037628	4.741E-06	-0.016464	0.00067409
115		-0.0014539	0.00082577	-0.0030133	-1.0283E-06	-0.00121	5.1499E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 5.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.078798	-0.0032887	-0.02761	1.9715E-07	0.012289	-0.0010706
Zj: 7.55		-0.0020708	-0.0013196	-0.0071711	2.8064E-06	-0.0019553	-6.9116E-05
	Rüzgar Yükü Y	0.078798	-0.0032887	-0.02761	1.9715E-07	0.012289	-0.0010706
		-0.0020708	-0.0013196	-0.0071711	2.8064E-06	-0.0019553	-6.9116E-05
	Kar Yükü	-0.13981	0.0058551	0.060218	2.0589E-07	-0.026205	0.0018652
		0.0056939	0.0029728	0.017184	-6.8959E-06	0.0049922	0.00014642
	Deprem X	-0.026329	0.02173	0.039627	-0.00024982	-0.0165	0.016183
		-0.0057929	0.011706	0.011908	-0.00025839	0.0053863	-0.00071981
	Deprem Y	0.020297	-0.00096646	0.029707	2.8708E-06	-0.011514	-0.00036125
		0.0044427	0.0020107	0.01248	-7.9488E-06	0.0042875	6.5475E-05
MK28	Ölü Yük	0.070102	0.00073446	-0.0095084	-1.0135E-05	0.0036969	0.0012189
116		0.018788	-0.002199	-0.038942	-2.2064E-05	-0.011099	-0.00012778

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	-0.015452	0.00092128	0.0075036	1.3202E-05	-0.0032828	-0.00031261
Zj: 7.55		-0.016732	0.0013438	0.012598	1.1556E-05	0.0039204	7.6681E-05
	Rüzgar Yükü Y	-0.015452	0.00092128	0.0075036	1.3202E-05	-0.0032828	-0.00031261
		-0.016732	0.0013438	0.012598	1.1556E-05	0.0039204	7.6681E-05
	Kar Yükü	0.025327	-0.0021538	-0.006683	-2.2823E-05	0.0029426	0.0005315
		0.030561	-0.0019984	-0.021023	-8.4424E-06	-0.0064324	-0.0001033
	Deprem X	0.026741	0.0066926	-0.043838	-0.00050944	0.015227	0.0022447
		0.0059971	0.0076449	-0.019743	-0.00053005	-0.0090746	-0.00050775
	Deprem Y	-0.0093144	-0.0016533	0.025292	8.3467E-06	-0.010835	-0.00014059
		-0.0023387	0.0021948	0.010257	5.8179E-05	0.0034023	0.0001741
MK28	Ölü Yük	0.072363	-0.00076319	-0.010075	1.0662E-05	0.0039232	-0.0012578
122		0.019302	0.0022516	-0.040635	2.312E-05	-0.011586	0.00013102
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 4.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	-0.016339	-0.00092474	0.007985	-1.3882E-05	-0.0034838	0.00032951
Zj: 7.55		-0.017137	-0.0013794	0.013291	-1.245E-05	0.0041289	-7.8893E-05
	Rüzgar Yükü Y	-0.016339	-0.00092474	0.007985	-1.3882E-05	-0.0034838	0.00032951
		-0.017137	-0.0013794	0.013291	-1.245E-05	0.0041289	-7.8893E-05
	Kar Yükü	0.026815	0.0021756	-0.0075905	2.4119E-05	0.0033212	-0.00055976
		0.031356	0.002056	-0.022409	9.9244E-06	-0.0068483	0.00010666
	Deprem X	-0.02652	0.006748	0.043941	-0.00050936	-0.01527	0.0022365
		-0.0059779	0.0076743	0.019774	-0.00053014	0.0090892	-0.0005088
	Deprem Y	-0.0095186	0.001679	0.025902	-8.6688E-06	-0.011091	0.00014523
		-0.0023996	-0.0022155	0.010298	-5.9377E-05	0.003424	-0.00017699
MK28	Ölü Yük	-0.38447	-0.00445	-0.011406	-3.3168E-06	0.015774	-0.0050254
123		-0.071432	4.2953E-05	0.032793	-3.3249E-05	0.0073477	-3.9416E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.20985	0.0050938	0.016196	1.2695E-05	-0.012399	0.0034162
Zj: 7.55		0.024821	-0.00099897	-0.0083753	1.2666E-05	-0.0008655	-5.0912E-05
	Rüzgar Yükü Y	0.20985	0.0050938	0.016196	1.2695E-05	-0.012399	0.0034162
		0.024821	-0.00099897	-0.0083753	1.2666E-05	-0.0008655	-5.0912E-05
	Kar Yükü	-0.38543	-0.01035	-0.023664	-1.0298E-05	0.020039	-0.0060908
		-0.043969	0.004729	0.015724	3.5095E-06	0.0017098	0.00020044
	Deprem X	-0.057994	0.038782	-0.037129	-0.0006543	0.012704	0.01859
		-0.014201	-0.027903	-0.0061403	-0.00084167	-0.0062574	-0.0013935
	Deprem Y	0.026119	-0.0042153	0.02058	5.9692E-05	-0.010018	0.0010061
		0.0074572	0.013133	0.0030202	0.00011994	0.001052	0.00048235
MK28	Ölü Yük	-0.39545	0.004557	-0.011305	3.5316E-06	0.016061	0.0051756
129		-0.073605	-1.2758E-05	0.034147	3.4937E-05	0.007675	4.1574E-05
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.21619	-0.0051963	0.016642	-1.3528E-05	-0.012765	-0.0035068
Zj: 7.55		0.025737	0.00099099	-0.0087254	-1.3899E-05	-0.00091579	5.0716E-05

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Rüzgar Yükü Y	0.21619	-0.0051963	0.016642	-1.3528E-05	-0.012765	-0.0035068
		0.025737	0.00099099	-0.0087254	-1.3899E-05	-0.00091579	5.0716E-05
	Kar Yükü	-0.39747	0.010565	-0.024526	1.1471E-05	0.020741	0.0062618
		-0.045714	-0.0047688	0.016243	-1.8069E-06	0.0017704	-0.00020229
	Deprem X	0.057345	0.038869	0.037223	-0.00065448	-0.012732	0.018606
		0.014051	-0.027958	0.0063763	-0.00084202	0.006334	-0.0013961
	Deprem Y	0.02644	0.0043652	0.021124	-6.1206E-05	-0.01026	-0.0010044
		0.0075067	-0.013411	0.0030939	-0.00012349	0.0010741	-0.0004938
MK28	Ölü Yük	-0.22662	-0.0058607	-0.098881	-1.0699E-05	0.038737	-0.0026056
81		-0.042379	0.00076037	-0.022953	-2.3964E-05	-0.010794	-4.4428E-05
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 9.05		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.13054	0.0069753	0.0353	1.0813E-05	-0.014842	0.0017602
Zj: 7.55		0.013354	-0.0015846	0.0039114	1.7135E-05	0.0022716	-3.2192E-05
	Rüzgar Yükü Y	0.13054	0.0069753	0.0353	1.0813E-05	-0.014842	0.0017602
		0.013354	-0.0015846	0.0039114	1.7135E-05	0.0022716	-3.2192E-05
	Kar Yükü	-0.26025	-0.012091	-0.066891	-3.5586E-05	0.028901	-0.0035907
		-0.029923	0.0020465	-0.008603	-3.229E-05	-0.0048595	2.6893E-05
	Deprem X	-0.013759	0.050719	0.024299	0.00085874	0.0040429	0.010974
		-0.0051185	-0.022041	0.0052251	0.00072068	0.0049225	-0.00090334
	Deprem Y	-0.044882	0.0066422	-0.030019	-7.9544E-05	0.0085214	-0.00083311
		-0.012688	-0.0048164	-0.0051006	3.6693E-07	-0.0018977	-0.00017043
MK2	Ölü Yük	-0.16304	-0.003432	-0.13058	-0.00061558	1.5159E-05	2.6914E-07
426		-0.10429	0.0036992	0.19489	0.0018221	-1.9125E-06	-2.7198E-06
Xi: 22.35m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.35		0	0	0	0	0	0
Yi: 8.6899	Rüzgar Yükü X	0.04823	0.0048569	0.073501	0.00012746	-2.3567E-05	2.7292E-05
Yj: 5.7601		0.053368	-0.0064727	-0.15259	-0.00063175	1.8926E-05	-1.8175E-05
Zi: 5.95	Rüzgar Yükü Y	0.04823	0.0048569	0.073501	0.00012746	-2.3567E-05	2.7292E-05
Zj: 5.95		0.053368	-0.0064727	-0.15259	-0.00063175	1.8926E-05	-1.8175E-05
	Kar Yükü	-0.10636	-0.0089439	-0.14197	-0.00023902	1.9155E-05	-9.34E-06
		-0.077716	0.01172	0.28478	0.0011812	-7.7703E-06	-7.2543E-06
	Deprem X	-0.057416	0.029185	0.017663	-0.011752	-3.6363E-05	3.2112E-05
		0.11908	-0.053699	-0.027209	0.03771	3.7634E-05	5.3126E-05
	Deprem Y	-0.058924	0.0018816	-0.015207	3.9946E-05	-6.1451E-05	0.00019806
		0.074062	-0.0010876	-0.012632	-4.3324E-05	6.8737E-05	-0.00019557
MK30	Ölü Yük	0.28109	0.013737	0.13212	-0.0010106	-0.059324	-0.00074174
79		0.24546	-0.021376	-0.12279	-0.0026935	-0.10162	-0.0011155
Xi: 18.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 18.75		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.1032	-0.0066919	-0.031085	0.00047264	0.022974	0.00043189
Yj: 0.78979		-0.054462	0.010128	0.022258	0.0009646	0.021814	0.00045305
Zi: 6.576	Rüzgar Yükü Y	-0.1032	-0.0066919	-0.031085	0.00047264	0.022974	0.00043189
Zj: 7.068		-0.054462	0.010128	0.022258	0.0009646	0.021814	0.00045305
	Kar Yükü	0.19342	0.012785	0.062084	-0.00093455	-0.044204	-0.0006857
		0.10155	-0.011652	-0.041535	-0.0017596	-0.040231	-0.00060624

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	0.013025	0.038543	-0.014769	-0.0015438	0.0056472	0.0028209
		0.014309	-0.082235	0.010542	-0.0012508	0.0055239	-0.0041084
	Deprem Y	0.0040773	0.00012461	0.0058703	-0.00012339	0.00091219	0.00056734
		-0.0026671	0.033174	-0.0062164	7.7383E-05	-0.0020238	0.0011837
MK17	Ölü Yük	0.065912	0.060031	0.2415	-8.0144E-06	-0.12262	0.042316
54		-0.031379	0.038656	-0.010233	1.5285E-05	0.0077837	-0.033811
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 0.72979		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.016823	-0.0216	-0.053119	3.1948E-05	0.027072	-0.015033
Zj: 7.54		0.0024632	-0.011473	0.0024653	-7.1247E-05	-0.0023341	0.011217
	Rüzgar Yükü Y	-0.016823	-0.0216	-0.053119	3.1948E-05	0.027072	-0.015033
		0.0024632	-0.011473	0.0024653	-7.1247E-05	-0.0023341	0.011217
	Kar Yükü	0.031839	0.038128	0.098796	-4.9321E-06	-0.050258	0.027029
		-0.0041542	0.026476	-0.0048525	-6.1315E-06	0.0046429	-0.022176
	Deprem X	-0.015386	0.048592	0.0088203	-0.00029254	-0.0045013	0.029255
		-0.0050898	-0.036192	-0.010565	0.0005694	0.00095686	-0.0058105
	Deprem Y	0.0073759	-0.0081516	0.0032532	0.0002273	-0.0012951	-0.003364
		0.0012506	0.025039	0.00364	-0.00057858	0.0012937	-0.0069806
MK20	Ölü Yük	0.14507	0.0024787	0.037621	-0.00029089	-0.032168	-0.00012644
77		0.10017	8.475E-05	-0.039215	-6.9159E-06	-0.029555	4.7317E-06
Xi: 11.25m	Hareketli Yük	0	0	0	0	0	0
Xj: 11.25		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.043149	-0.0010191	0.0078455	0.00013705	0.010902	5.1507E-05
Yj: 0.11018		-0.0048699	-5.6119E-06	-0.011042	2.4748E-07	-0.002824	8.5909E-07
Zi: 6.576	Rüzgar Yükü Y	-0.043149	-0.0010191	0.0078455	0.00013705	0.010902	5.1507E-05
Zj: 7.1047		-0.0048699	-5.6119E-06	-0.011042	2.4748E-07	-0.002824	8.5909E-07
	Kar Yükü	0.081769	0.0019271	-0.0062734	-0.00026042	-0.02161	-9.7608E-05
		0.010903	1.4966E-05	0.019864	-1.4586E-06	0.0055896	-7.4207E-08
	Deprem X	6.0646E-05	0.039903	7.7717E-05	-0.0015834	-1.3918E-05	0.0028458
		-0.00049397	0.022244	-9.9095E-05	0.00079862	-8.6371E-05	0.0016775
	Deprem Y	0.013665	-0.00010559	0.025067	4.2452E-06	-0.0010069	4.0417E-06
		-0.0012742	-9.2139E-05	-0.0016445	-8.1423E-06	0.00099976	1.0961E-05
MK21	Ölü Yük	0.14791	0.012127	0.038751	-0.00091524	-0.032725	-0.00063465
78		0.10992	-0.0050658	-0.071624	-0.0016074	-0.035947	-0.00020518
Xi: 15m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.046478	-0.0059307	0.0071768	0.00044234	0.011813	0.00030794
Yj: 0.28307		-0.010994	0.0023619	0.0011761	0.00053804	0.00069465	0.0001257
Zi: 6.576	Rüzgar Yükü Y	-0.046478	-0.0059307	0.0071768	0.00044234	0.011813	0.00030794
Zj: 7.0953		-0.010994	0.0023619	0.0011761	0.00053804	0.00069465	0.0001257
	Kar Yükü	0.088171	0.011138	-0.0074385	-0.00082603	-0.02311	-0.00058046
		0.021393	-0.00066994	-0.0013334	-0.0010044	-0.00096744	7.6823E-06
	Deprem X	0.00097687	0.039988	0.0021316	-0.0015751	-0.00032344	0.0028344
		0.0062562	-0.1006	-0.0042281	-0.00089028	-0.00055524	-0.0054093
	Deprem Y	0.011873	-0.0007425	0.014142	7.489E-05	0.00055777	3.5301E-05
		-0.0029699	0.016429	0.003053	-6.1785E-05	0.00040588	0.0010568

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
MK17	Ölü Yük	0.050873	0.031607	-0.071261	2.2501E-05	0.020623	0.022679
71		0.0043244	0.023963	-0.028064	-5.2781E-05	-0.012097	-0.018654
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0095866	-0.012529	0.028669	3.2692E-05	-0.0081432	-0.0097027
Zj: 7.54		-0.0030846	-0.010979	0.008008	1.1779E-05	0.0037535	0.0083961
	Rüzgar Yükü Y	-0.0095866	-0.012529	0.028669	3.2692E-05	-0.0081432	-0.0097027
		-0.0030846	-0.010979	0.008008	1.1779E-05	0.0037535	0.0083961
	Kar Yükü	0.02394	0.023749	-0.044539	-1.7217E-05	0.013065	0.018469
		0.009001	0.020938	-0.018668	-4.4237E-05	-0.0082779	-0.016014
	Deprem X	-0.018844	0.03277	0.016296	0.00088236	0.0073794	0.014171
		-0.0049225	0.0062718	-0.0030771	0.00018506	0.00229	-0.0049653
	Deprem Y	0.020258	-0.0016843	0.031287	0.00021714	-0.0075289	-0.0006773
		0.0087096	-0.00031545	-0.0088333	-0.00010441	-0.0031221	0.00027238
MK17	Ölü Yük	0.018848	0.04345	0.10344	1.4063E-05	-0.059041	0.033743
73		-0.013502	0.046348	0.09461	0.00011383	0.025127	-0.033509
X: 22.373m	Hareketli Yük	0	0	0	0	0	0
Y: 1.55		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.012742	-0.012528	-0.031998	-1.0364E-06	0.019799	-0.010324
Zj: 7.54		-0.00029765	-0.017816	-0.026276	-7.1259E-05	-0.0089597	0.011658
	Rüzgar Yükü Y	0.012742	-0.012528	-0.031998	-1.0364E-06	0.019799	-0.010324
		-0.00029765	-0.017816	-0.026276	-7.1259E-05	-0.0089597	0.011658
	Kar Yükü	-0.023721	0.022938	0.062143	5.0556E-05	-0.037671	0.019053
		-0.00020411	0.032053	0.043806	2.8408E-05	0.016032	-0.021443
	Deprem X	-0.015723	0.031002	-0.018324	-0.00073163	-0.0081128	0.020462
		-0.016909	0.056215	0.037322	0.00010755	0.00405	-0.019661
	Deprem Y	-0.0023775	-0.0010379	0.0079941	0.00022703	-0.0031048	-0.00017356
		-0.0024654	-0.0021703	-0.013639	-0.00048167	-0.0016223	0.00020278
MK17	Ölü Yük	0.021761	0.036563	-0.14283	3.2524E-05	0.035056	0.023993
56		-0.012845	0.024436	0.00277	-1.1978E-05	-0.00045721	-0.01931
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-6.4938E-05	-0.017594	0.045405	-1.5167E-05	-0.010578	-0.011515
Zj: 7.54		-0.0047226	-0.011664	-0.0013927	9.3102E-06	-2.3381E-05	0.0092326
	Rüzgar Yükü Y	-6.4938E-05	-0.017594	0.045405	-1.5167E-05	-0.010578	-0.011515
		-0.0047226	-0.011664	-0.0013927	9.3102E-06	-2.3381E-05	0.0092326
	Kar Yükü	0.006106	0.033469	-0.086469	2.7065E-05	0.019847	0.02194
		0.0087746	0.022331	0.0019752	-1.7018E-05	7.8332E-05	-0.017651
	Deprem X	0.0019506	0.045417	-0.00097418	0.0010005	0.00020565	0.021003
		-0.00051794	0.0090361	-0.00019778	-0.00052481	-1.4237E-05	-0.0089787
	Deprem Y	0.013965	-0.00034038	-0.0078251	-4.2156E-06	0.0010446	0.00014089
		-0.00084293	0.00049518	0.0023886	5.9436E-06	-0.00016691	-0.00028138
MK17	Ölü Yük	0.03857	0.045449	0.098973	3.816E-06	-0.051322	0.033116
58		-0.014945	0.040383	-0.014651	1.6126E-05	0.0047522	-0.030301
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 0.22307		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.06	Rüzgar Yükü X	-0.0034971	-0.015689	-0.0071673	-4.5234E-06	0.0036043	-0.011393
Zj: 7.54		-0.0029161	-0.013327	0.0038743	8.3203E-06	-0.001364	0.010246
	Rüzgar Yükü Y	-0.0034971	-0.015689	-0.0071673	-4.5234E-06	0.0036043	-0.011393
		-0.0029161	-0.013327	0.0038743	8.3203E-06	-0.001364	0.010246
	Kar Yükü	0.0054713	0.027861	0.013402	2.9902E-06	-0.006693	0.020475
		0.0052945	0.027191	-0.0080319	-3.3561E-06	0.002633	-0.019458
	Deprem X	0.0054232	0.050951	0.0028462	-0.00019908	-0.0015384	0.031013
		0.0016773	-0.055719	-0.0042811	0.00040693	0.0010988	-0.012287
	Deprem Y	-0.0032883	-0.0044217	-0.0012613	-1.9517E-05	0.00068235	-0.002129
		-0.00055528	0.012022	0.0010857	4.9535E-05	0.00026401	-0.0027843
MK17	Ölü Yük	0.022807	0.00023216	-0.14013	4.7246E-06	0.03442	-0.00043931
59		-0.010517	-0.0022465	0.0026975	-2.0332E-06	-0.00039958	0.0013228
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.00044568	-1.6314E-06	0.042015	-1.6509E-06	-0.0097157	0.00023934
Zj: 7.54		-0.0059508	0.0010174	-0.0014948	6.6331E-07	-4.6317E-05	-0.0006065
	Rüzgar Yükü Y	-0.00044568	-1.6314E-06	0.042015	-1.6509E-06	-0.0097157	0.00023934
		-0.0059508	0.0010174	-0.0014948	6.6331E-07	-4.6317E-05	-0.0006065
	Kar Yükü	0.009268	-1.1068E-05	-0.080085	2.9988E-06	0.01813	-0.00046232
		0.011119	-0.0019381	0.0019037	-1.1021E-06	0.00013696	0.0011569
	Deprem X	6.6017E-05	0.046257	-5.7774E-05	0.0010012	1.2463E-05	0.021743
		-1.5263E-05	0.010059	-2.0359E-06	-0.00052406	-2.9538E-07	-0.0097957
	Deprem Y	0.02479	-0.00010285	-0.0098461	-1.4109E-06	0.0011226	6.4356E-05
		-0.0010198	9.6779E-05	0.0015365	1.5681E-06	-0.00012436	-6.6703E-05
MK17	Ölü Yük	0.015406	0.00033056	0.082256	3.5072E-07	-0.043365	0.00025102
61		-0.0062733	0.00041531	-0.019881	-3.8275E-07	0.0023318	-0.00026795
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 0.050184		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.0051254	-0.00010751	0.0011569	-3.4429E-07	-0.00062254	-8.0796E-05
Zj: 7.54		-0.0061636	-0.00011312	0.0054237	8.6362E-07	-0.00055434	8.056E-05
	Rüzgar Yükü Y	0.0051254	-0.00010751	0.0011569	-3.4429E-07	-0.00062254	-8.0796E-05
		-0.0061636	-0.00011312	0.0054237	8.6362E-07	-0.00055434	8.056E-05
	Kar Yükü	-0.0093318	0.00019397	-0.0016045	3.314E-07	0.00093712	0.00014577
		0.011091	0.00020894	-0.011419	-7.194E-07	0.0011049	-0.00014638
	Deprem X	0.00025854	0.029923	-0.00011616	-0.00014347	4.9852E-05	0.022153
		0.00013408	0.036899	0.00037506	0.00033559	1.399E-05	-0.022988
	Deprem Y	0.00090794	-7.7489E-05	-0.0011644	-1.6468E-06	0.0006752	-6.1013E-05
		-0.00090364	-0.00016468	-0.0011162	5.3376E-06	6.221E-05	8.293E-05
MK17	Ölü Yük	0.021869	-0.03626	-0.14054	-2.2704E-05	0.034498	-0.025045
62		-0.012125	-0.029251	0.0027435	7.5241E-06	-0.00043964	0.022186
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.0014549	0.01739	0.043147	1.1634E-05	-0.0099822	0.011975
Zj: 7.54		-0.0049876	0.013874	-0.001333	-7.6497E-06	-3.275E-05	-0.01055
	Rüzgar Yükü Y	-0.0014549	0.01739	0.043147	1.1634E-05	-0.0099822	0.011975
		-0.0049876	0.013874	-0.001333	-7.6497E-06	-3.275E-05	-0.01055

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	0.0087828	-0.033107	-0.082141	-1.9946E-05	0.018699	-0.022825
		0.0092803	-0.026534	0.0019269	1.3643E-05	9.2385E-05	0.020157
	Deprem X	-0.0020148	0.045036	0.00092894	0.0010003	-0.00019388	0.02093
		0.00042894	0.0091912	0.00017397	-0.00052464	-1.3611E-05	-0.0090864
	Deprem Y	0.014636	0.00034469	-0.0080949	7.0772E-06	0.00098438	-0.00016292
		-0.00080775	-0.00039439	0.0026856	-7.187E-06	-0.00018369	0.00022562
MK17	Ölü Yük	0.037684	-0.04519	0.0985	-2.9566E-06	-0.051104	-0.032913
64		-0.014779	-0.039701	-0.014899	-1.7031E-05	0.0046654	0.029999
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 0.21392		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.003177	0.015622	-0.006885	3.7766E-06	0.0034576	0.011335
Zj: 7.54		-0.0029564	0.013044	0.0039942	-6.8539E-06	-0.001338	-0.010132
	Rüzgar Yükü Y	-0.003177	0.015622	-0.006885	3.7766E-06	0.0034576	0.011335
		-0.0029564	0.013044	0.0039942	-6.8539E-06	-0.001338	-0.010132
	Kar Yükü	0.004924	-0.027739	0.012846	-2.183E-06	-0.0064061	-0.020373
		0.0053911	-0.026746	-0.0081867	1.8884E-06	0.002582	0.019276
	Deprem X	-0.005047	0.050031	-0.0030102	-0.0001985	0.0016102	0.030633
		-0.0013748	-0.0527	0.004477	0.00040842	-0.001027	-0.012099
	Deprem Y	-0.0030381	0.0044044	-0.0011719	1.7906E-05	0.00064027	0.0021116
		-0.0005028	-0.012166	0.0014284	-4.7998E-05	0.00025306	0.0028405
MK17	Ölü Yük	0.063943	-0.060303	0.24353	9.6756E-06	-0.12387	-0.042616
67		-0.03302	-0.039099	-0.010002	-1.874E-05	0.0078184	0.034202
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 0.71196		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.016219	0.021662	-0.05317	-3.2351E-05	0.027138	0.015136
Zj: 7.54		0.0028135	0.011908	0.0023389	7.2562E-05	-0.0023596	-0.011451
	Rüzgar Yükü Y	-0.016219	0.021662	-0.05317	-3.2351E-05	0.027138	0.015136
		0.0028135	0.011908	0.0023389	7.2562E-05	-0.0023596	-0.011451
	Kar Yükü	0.030553	-0.038495	0.098981	6.3565E-06	-0.05043	-0.027331
		-0.0049321	-0.026573	-0.0047749	2.787E-06	0.0046567	0.022418
	Deprem X	0.014618	0.04603	-0.0089221	-0.00028924	0.0045615	0.02821
		0.0046497	-0.027458	0.0092592	0.0005614	-0.0011544	-0.0062225
	Deprem Y	0.0065981	0.0071474	0.0035601	-0.00022453	-0.0014625	0.002943
		0.00079548	-0.022018	0.0029279	0.00057459	0.0011469	0.0061431
MK17	Ölü Yük	0.10435	0.043135	-0.26874	3.5638E-05	0.064929	0.028442
53		-0.030678	0.029398	0.0048051	6.6015E-06	-0.00097452	-0.023125
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 9.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	-0.032902	-0.021075	0.099009	2.6879E-05	-0.023419	-0.013889
Zj: 7.54		0.0037073	-0.014384	-0.0023657	-2.8381E-05	0.00022413	0.0113
	Rüzgar Yükü Y	-0.032902	-0.021075	0.099009	2.6879E-05	-0.023419	-0.013889
		0.0037073	-0.014384	-0.0023657	-2.8381E-05	0.00022413	0.0113
	Kar Yükü	0.065273	0.039985	-0.18637	2.8203E-05	0.043969	0.026351
		-0.0071606	0.027199	0.0034145	-3.7599E-06	-0.00036499	-0.021398
	Deprem X	-0.01267	0.041199	-0.013773	0.00099326	0.0035224	0.018177
		0.0026578	0.0069828	0.0043187	-0.00052434	-0.00017439	-0.0068482

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.005686	-0.0010533	-0.0035439	0.00032337	0.00069479	-0.00067472
		-0.00065523	-0.00097397	0.00054113	-0.00023436	-4.2396E-05	0.00067387
MK18	Ölü Yük	0.021009	-0.043484	0.10488	-1.4762E-05	-0.06051	-0.034022
70		-0.012994	-0.046765	0.098384	-0.00011493	0.025925	0.033941
X: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Y: 1.55		0	0	0	0	0	0
Zi: 6.05	Rüzgar Yükü X	0.012647	0.012539	-0.032416	6.0837E-07	0.020283	0.010392
Zj: 7.54		-0.00059638	0.017704	-0.027317	7.2029E-05	-0.0092144	-0.011723
	Rüzgar Yükü Y	0.012647	0.012539	-0.032416	6.0837E-07	0.020283	0.010392
		-0.00059638	0.017704	-0.027317	7.2029E-05	-0.0092144	-0.011723
	Kar Yükü	-0.023657	-0.022801	0.062888	-5.023E-05	-0.038552	-0.019104
		0.0002166	-0.032394	0.04576	-2.8443E-05	0.016523	0.021691
	Deprem X	0.01561	0.03066	0.018238	-0.00072467	0.0079155	0.020317
		0.016708	0.055911	-0.036636	0.00010894	-0.0038824	-0.019403
	Deprem Y	-0.0023609	0.0017469	0.0080111	-0.00023011	-0.003087	0.00048079
		-0.0029436	0.0007968	-0.013261	0.00048898	-0.0014977	0.00068498
MK19	Ölü Yük	0.14556	-0.0070092	0.038266	0.00034272	-0.032178	0.00037237
76		0.10975	0.005489	-0.070562	0.0015463	-0.035771	0.00023214
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.044225	0.0035164	0.0059284	-0.00018688	0.011244	-0.00018188
Yj: 0.27392		-0.010851	-0.0025788	0.00080753	-0.00051699	0.00054872	-0.00013766
Zi: 6.576	Rüzgar Yükü Y	-0.044225	0.0035164	0.0059284	-0.00018688	0.011244	-0.00018188
Zj: 7.0958		-0.010851	-0.0025788	0.00080753	-0.00051699	0.00054872	-0.00013766
	Kar Yükü	0.083919	-0.006573	-0.0050343	0.00033864	-0.021954	0.00034301
		0.021027	0.00099288	-0.00066885	0.00096618	-0.00070965	1.1511E-05
	Deprem X	-0.00092429	0.039425	-0.0021012	-0.0015683	0.00031029	0.0028082
		-0.0066613	-0.096494	0.0041857	-0.00087082	-0.00062089	-0.0051617
	Deprem Y	0.012534	0.00061215	0.014754	-7.1193E-05	0.00065761	-2.3701E-05
		-0.0033428	-0.016554	0.0028451	6.249E-05	-0.00046067	-0.0010593
MK29	Ölü Yük	0.28899	-0.011596	0.13682	0.00076253	-0.061058	0.00063173
75		0.24728	0.021205	-0.12256	0.0025049	-0.10276	0.0011103
Xi: 3.75m	Hareketli Yük	0	0	0	0	0	0
Xj: 3.75		0	0	0	0	0	0
Yi: 9.89	Rüzgar Yükü X	-0.10604	0.0058225	-0.032787	-0.00037393	0.02362	-0.00038291
Yj: 0.77196		-0.0544	-0.0097545	0.022	-0.00090285	0.021903	-0.00043226
Zi: 6.576	Rüzgar Yükü Y	-0.10604	0.0058225	-0.032787	-0.00037393	0.02362	-0.00038291
Zj: 7.0689		-0.0544	-0.0097545	0.022	-0.00090285	0.021903	-0.00043226
	Kar Yükü	0.19867	-0.011121	0.065609	0.00074387	-0.045413	0.00059777
		0.10169	0.011922	-0.041033	0.0016437	-0.040399	0.00062393
	Deprem X	-0.013281	0.039044	0.0142	-0.0015888	-0.0054641	0.0028093
		-0.013244	-0.071223	-0.010318	-0.0012043	-0.0054865	-0.0034884
	Deprem Y	0.0044294	-0.00025202	0.0056665	0.00012027	0.00095161	-0.00053886
		-0.0024519	-0.02914	-0.0060209	-8.8527E-05	-0.0019719	-0.00094784
MK3	Ölü Yük	-0.089748	-0.0030537	-0.061852	0.00033841	5.1247E-05	-9.3866E-06
428		-0.089748	-0.0030537	-0.035303	0.00033841	-0.057228	0.0035913

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Xi: 22.35m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.35		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.0044704	0.020233	0.016313	-7.2143E-05	-4.0929E-05	5.5301E-05
Yj: 1.6108		0.0044704	0.020233	0.016313	-7.2143E-05	0.019194	-0.023802
Zi: 5.95	Rüzgar Yükü Y	0.0044704	0.020233	0.016313	-7.2143E-05	-4.0929E-05	5.5301E-05
Zj: 5.95		0.0044704	0.020233	0.016313	-7.2143E-05	0.019194	-0.023802
	Kar Yükü	-0.052774	-0.0036349	-0.031256	0.00012748	4.9503E-05	-1.1516E-05
		-0.052774	-0.0036349	-0.031256	0.00012748	-0.036805	0.0042745
	Deprem X	-0.12314	0.10123	0.004295	-7.9208E-05	-3.4207E-05	0.00025732
		-0.12314	0.099144	0.004295	-7.9208E-05	0.0050799	-0.11805
	Deprem Y	-0.21464	0.16317	-0.0031269	-4.02E-06	-6.7412E-05	0.00042613
		-0.21506	0.16317	-0.0031269	-4.02E-06	-0.0037241	-0.19198
MK5	Ölü Yük	-0.55503	-0.00020421	-0.21577	0.00095197	-3.2026E-05	7.0997E-06
460		-0.10563	0.0032906	-0.054423	-0.0013805	-0.048468	-0.0028976
Xi: 7.5m	Hareketli Yük	0	0	0	0	0	0
Xj: 7.5		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.076415	0.00013242	0.084346	-0.00034992	-1.5503E-05	-5.2823E-07
Yj: 0.28161		0.019231	-0.0010156	-0.013844	0.00046015	0.0016918	0.0007977
Zi: 5.95	Rüzgar Yükü Y	0.076415	0.00013242	0.084346	-0.00034992	-1.5503E-05	-5.2823E-07
Zj: 5.95		0.019231	-0.0010156	-0.013844	0.00046015	0.0016918	0.0007977
	Kar Yükü	-0.12701	3.8329E-05	-0.15203	0.00066104	-2.2796E-05	6.1344E-06
		-0.021538	0.0022937	0.025223	-0.00086086	-0.0032144	-0.00235
	Deprem X	-0.0037125	0.032055	0.0016782	-0.0042267	-1.4382E-05	0.00017177
		-0.0077095	0.014605	0.0010929	0.0024659	-0.0012364	-0.057715
	Deprem Y	0.033314	0.001005	0.012981	4.3628E-05	-0.00011681	2.097E-05
		0.036343	0.0014855	0.0012519	-5.1136E-05	0.00058951	-0.0030893
B16	Ölü Yük	-0.0070455	0.0018315	-0.014373	-1.3024E-05	0.0033337	0.00062449
47		-0.024184	-0.0017014	0.023951	1.107E-05	0.020825	0.00056909
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 9.9725	Rüzgar Yükü X	0.005198	0.00012164	0.0025492	6.9647E-06	-0.0013917	0.0014543
Yj: 9.9725		0.012933	-0.00018009	-0.0068945	-6.1376E-06	-0.0092806	0.0014849
Zi: 7.6	Rüzgar Yükü Y	0.005198	0.00012164	0.0025492	6.9647E-06	-0.0013917	0.0014543
Zj: 7.6		0.012933	-0.00018009	-0.0068945	-6.1376E-06	-0.0092806	0.0014849
	Kar Yükü	-0.0084	0.00053898	-0.0048619	-1.4211E-05	0.0026524	-0.00085792
		-0.023144	-0.00044227	0.013149	1.2707E-05	0.017691	-0.00091101
	Deprem X	-0.04664	-0.026844	-0.0019211	-3.4379E-05	-0.0007246	-0.045769
		0.041867	-0.026772	0.0032444	-3.5204E-05	0.0056858	0.045678
	Deprem Y	0.0072419	0.0049225	0.00039926	-6.854E-06	-4.6671E-05	0.0092801
		0.0075109	-0.0049012	-0.00051852	6.5511E-06	-0.00034956	0.0092262
B2	Ölü Yük	0	0	0	0	0	0
33		0	0	0	0	0	0
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 8.7	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 8.7		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.1	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 6.1		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.00037644	0	0	0	0	0
		0.00037645	0	0	0	0	0
	Deprem Y	0	-0.00048722	0	0	0	0
		0	0.0004836	0	0	0	0
B2	Ölü Yük	0	0	0	0	0	0
31		0	0	0	0	0	0
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 2.8	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 2.8		0	0	0	0	0	0
Zi: 6.1	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 6.1		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.00038154	0	0	0	0	0
		0.00038153	0	0	0	0	0
	Deprem Y	0	-0.00049023	0	0	0	0
		0	0.00048675	0	0	0	0
B2	Ölü Yük	0	0	0	0	0	0
32		0	0	0	0	0	0
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 5.75	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 5.75		0	0	0	0	0	0
Zi: 6.1	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 6.1		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.00037012	0	0	0	0	0
		0.00037012	0	0	0	0	0
	Deprem Y	0	-0.00048804	0	0	0	0
		0	0.0004844	0	0	0	0
B3	Ölü Yük	0	0	0	0	0	0
37		0	0	0	0	0	0
Xi: 0m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.4		0	0	0	0	0	0
Yi: 9.95	Rüzgar Yükü X	0	0	0	0	0	0
Yj: 9.95		0	0	0	0	0	0
Zi: 5.95	Rüzgar Yükü Y	0	0	0	0	0	0
Zj: 5.95		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	-0.00012427	0	0	0	0	0
		0.00012426	0	0	0	0	0
	Deprem Y	0	-0.00011546	0	0	0	0
		0	0.00011429	0	0	0	0
B5	Ölü Yük	0.0018315	0.0070455	0.014373	0.0029384	-0.00038223	-0.00038037
48		0.091608	0.0021922	-0.02613	-7.1466E-05	-0.022296	-0.0045227
Xi: 0.0275m	Hareketli Yük	0	0	0	0	0	0
Xj: 0.0275		0	0	0	0	0	0
Yi: 10	Rüzgar Yükü X	0.00012164	-0.005198	-0.0025492	-0.0013216	6.314E-05	-0.0015939
Yj: 1.5		-0.024553	-0.00073181	0.011033	1.2449E-05	0.0077611	0.0021197
Zi: 7.6	Rüzgar Yükü Y	0.00012164	-0.005198	-0.0025492	-0.0013216	6.314E-05	-0.0015939
Zj: 7.6		-0.024553	-0.00073181	0.011033	1.2449E-05	0.0077611	0.0021197
	Kar Yükü	0.00053898	0.0084	0.0048619	0.0025187	-0.00011949	0.0011037
		0.038528	-0.0013634	-0.019551	-3.9155E-05	-0.013505	-0.00080062
	Deprem X	-0.026844	0.046095	0.0019211	-0.00073151	3.8461E-05	0.046212
		-0.058677	-0.037347	-0.0028407	0.00062264	-0.0028469	0.044738
	Deprem Y	0.0047175	-0.0072419	-0.00039926	-3.939E-05	6.1601E-06	-0.0093452
		-0.024594	-0.012584	0.0025265	-7.6197E-05	0.0025844	0.014777
B5	Ölü Yük	0.029765	-0.0002201	0.028275	-7.3959E-05	-0.014645	0.0010026
50		0.087864	-0.0021221	-0.024895	6.9488E-05	-0.021359	0.0043971
Xi: 22.373m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.373		0	0	0	0	0	0
Yi: 10	Rüzgar Yükü X	-0.0078279	0.0019541	-0.009979	3.6142E-05	0.0045717	0.0012985
Yj: 1.5		-0.023452	0.00069397	0.010606	-1.1629E-05	0.0074435	-0.0020608
Zi: 7.6	Rüzgar Yükü Y	-0.0078279	0.0019541	-0.009979	3.6142E-05	0.0045717	0.0012985
Zj: 7.6		-0.023452	0.00069397	0.010606	-1.1629E-05	0.0074435	-0.0020608
	Kar Yükü	0.01911	-0.0022058	0.02215	-5.8971E-05	-0.010197	-0.00055696
		0.036624	0.0013936	-0.018778	3.7516E-05	-0.012941	0.0007149
	Deprem X	0.028944	0.045797	-0.0035557	-0.00043815	0.0023711	0.046464
		0.059149	-0.037312	0.002873	0.00062269	0.0028495	0.044713
	Deprem Y	0.013246	0.0072489	0.0088145	5.0413E-05	-0.0040787	0.0091922
		-0.024265	0.012359	0.0025173	7.616E-05	0.0025509	-0.014578
B6	Ölü Yük	-0.044791	-0.0051401	-0.039124	-0.00028228	0.038896	-0.0033447
49		-0.044448	0.0050789	0.038396	0.00028491	0.038404	-0.0032302
Xi: 0.0072371m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.393		0	0	0	0	0	0
Yi: 1.5265	Rüzgar Yükü X	0.017103	0.0017794	0.010437	0.0001285	-0.013445	0.0017008
Yj: 1.5265		0.017264	-0.0017614	-0.010308	-0.00012962	-0.013381	0.0016383
Zi: 7.6	Rüzgar Yükü Y	0.017103	0.0017794	0.010437	0.0001285	-0.013445	0.0017008
Zj: 7.6		0.017264	-0.0017614	-0.010308	-0.00012962	-0.013381	0.0016383
	Kar Yükü	-0.034473	-0.0018656	-0.019335	-0.00023726	0.024872	4.1585E-05
		-0.03416	0.0018328	0.018982	0.0002374	0.024585	0.00011751
	Deprem X	-0.026469	0.024754	0.016356	0.00032832	-0.024012	0.043015
		0.026114	0.024754	0.016711	0.00032877	0.024311	-0.042979
	Deprem Y	-0.015596	0.0076996	-0.00075693	-9.786E-06	0.00083854	0.015171
		-0.012725	-0.0076323	-0.00037128	-1.182E-05	-0.00024165	0.014897

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
B7	Ölü Yük	0.048581	-0.0010589	-0.056754	2.43E-05	0.041803	-0.0020762
36		0.048467	0.0010286	0.05415	2.6517E-05	0.041888	-0.0020218
Xi: 0.013158m	Hareketli Yük	0	0	0	0	0	0
Xj: 22.387		0	0	0	0	0	0
Yi: 1.5482	Rüzgar Yükü X	-0.039265	0.018357	0.0038379	0.00017053	-0.012539	0.025777
Yj: 1.5482		-0.038829	-0.017981	-0.0035713	-0.00017698	-0.012585	0.025382
Zi: 5.95	Rüzgar Yükü Y	-0.039265	0.018357	0.0038379	0.00017053	-0.012539	0.025777
Zj: 5.95		-0.038829	-0.017981	-0.0035713	-0.00017698	-0.012585	0.025382
	Kar Yükü	0.027996	-0.0021111	-0.0078979	-0.00030078	0.023065	-0.0034577
		0.028099	0.0020796	0.0075346	0.00031284	0.023245	-0.0034387
	Deprem X	0.099577	-0.097609	-0.019707	0.00057317	-0.024162	-0.12851
		-0.099002	-0.097161	-0.019868	0.00057841	0.024755	0.12825
	Deprem Y	-0.21728	0.16055	-0.0043645	8.9771E-05	-0.00053137	0.21374
		-0.21288	-0.1574	0.0045857	-8.47E-05	-0.00015393	0.21022
MK6	Ölü Yük	-0.55742	0.00014576	-0.21702	-0.00095138	-2.9278E-05	-6.9805E-06
440		-0.10618	-0.0033696	-0.054813	0.0014039	-0.048735	0.0030224
Xi: 15m	Hareketli Yük	0	0	0	0	0	0
Xj: 15		0	0	0	0	0	0
Yi: 2.7899	Rüzgar Yükü X	0.078779	-0.0001137	0.08532	0.00034602	-1.6762E-05	5.166E-07
Yj: 0.29049		0.020148	0.0010373	-0.013891	-0.00046535	0.0018827	-0.00083133
Zi: 5.95	Rüzgar Yükü Y	0.078779	-0.0001137	0.08532	0.00034602	-1.6762E-05	5.166E-07
Zj: 5.95		0.020148	0.0010373	-0.013891	-0.00046535	0.0018827	-0.00083133
	Kar Yükü	-0.13036	-8.3583E-05	-0.15353	-0.00065524	-2.0021E-05	-6.0701E-06
		-0.022261	-0.0023389	0.025215	0.00087238	-0.0035853	0.0024253
	Deprem X	0.004624	0.032293	-0.0016042	-0.0042246	1.4518E-05	0.00017228
		0.008043	0.014828	-0.001077	0.0024922	0.0014345	-0.058145
	Deprem Y	0.036336	-0.00078932	0.01232	-5.3634E-05	-0.00010955	-1.9424E-05
		0.039333	-0.0012887	0.0014605	5.9435E-05	0.00065524	0.0025646
MK8	Ölü Yük	-0.09789	8.945E-07	0.25343	2.4939E-07	-0.11595	2.0923E-06
184		-0.090833	8.945E-07	0.25343	2.4939E-07	0.1033	1.3185E-06
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 1.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.11693	6.9579E-06	-0.037037	-2.6778E-07	0.01906	1.8034E-06
Zj: 6.9251		0.11693	6.9579E-06	-0.037037	-2.6778E-07	-0.012981	-4.216E-06
	Rüzgar Yükü Y	0.11693	6.9579E-06	-0.037037	-2.6778E-07	0.01906	1.8034E-06
		0.11693	6.9579E-06	-0.037037	-2.6778E-07	-0.012981	-4.216E-06
	Kar Yükü	-0.20311	-8.3057E-06	0.069906	5.5205E-07	-0.035086	-1.8805E-06
		-0.20311	-8.3057E-06	0.069906	5.5205E-07	0.025391	5.3049E-06
	Deprem X	6.2245E-05	0.010459	-0.00010789	-0.00060047	5.0996E-05	0.0050836
		6.2245E-05	0.010459	-0.00010789	-0.00060047	-4.2354E-05	-0.0040145
	Deprem Y	0.044296	4.1429E-06	-0.0021626	1.0164E-06	0.0029384	9.6537E-06
		0.044296	4.1429E-06	-0.0021626	1.0164E-06	0.0022789	9.3706E-06
MK8	Ölü Yük	-0.094662	-0.0011183	0.27457	-1.8434E-05	-0.12568	-0.0007332
201		-0.087605	-0.0011183	0.27457	-1.8434E-05	0.11186	0.00023429
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 1.95		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 6.06	Rüzgar Yükü X	0.10953	0.00037573	-0.043436	5.3925E-06	0.021866	0.000277
Zj: 6.9251		0.10953	0.00037573	-0.043436	5.3925E-06	-0.015711	-4.8055E-05
	Rüzgar Yükü Y	0.10953	0.00037573	-0.043436	5.3925E-06	0.021866	0.000277
		0.10953	0.00037573	-0.043436	5.3925E-06	-0.015711	-4.8055E-05
	Kar Yükü	-0.19606	-0.0007757	0.080659	-1.1984E-05	-0.040129	-0.00051532
		-0.19606	-0.0007757	0.080659	-1.1984E-05	0.029651	0.00015575
	Deprem X	0.00194	0.010698	-0.0025097	-0.00059462	0.001206	0.0049768
		0.00194	0.010698	-0.0025097	-0.00059462	-0.00097481	-0.0043226
	Deprem Y	0.019344	-0.00029945	-0.0029294	-8.0021E-06	0.0022655	-5.8182E-06
		0.019344	-0.00029945	-0.0029294	-8.0021E-06	-0.00096519	0.00025622
MK8	Ölü Yük	-0.1177	0.0034176	0.46719	3.2764E-05	-0.21323	0.0018825
152		-0.11064	0.0034176	0.46719	3.2764E-05	0.19095	-0.0010741
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 1.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.12155	-0.0014623	-0.12272	-2.1933E-05	0.057307	-0.00078612
Zj: 6.9251		0.12155	-0.0014623	-0.12272	-2.1933E-05	-0.048863	0.00047896
	Rüzgar Yükü Y	0.12155	-0.0014623	-0.12272	-2.1933E-05	0.057307	-0.00078612
		0.12155	-0.0014623	-0.12272	-2.1933E-05	-0.048863	0.00047896
	Kar Yükü	-0.22806	0.0022561	0.22784	2.3472E-05	-0.10647	0.0012545
		-0.22806	0.0022561	0.22784	2.3472E-05	0.090637	-0.00069731
	Deprem X	-0.0046032	0.0094279	0.014773	-0.0006391	-0.0067195	0.0055789
		-0.0046032	0.0094279	0.014773	-0.0006391	0.0060715	-0.0026229
	Deprem Y	-0.018392	-0.0018852	-0.0034467	-7.3424E-05	-0.0025021	-0.00084133
		-0.018392	-0.0018852	-0.0034467	-7.3424E-05	-0.0011405	0.00078968
MK8	Ölü Yük	-0.095275	0.0011135	0.27587	1.8818E-05	-0.12629	0.00073148
167		-0.088218	0.0011135	0.27587	1.8818E-05	0.11237	-0.00023185
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 1.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.11039	-0.00037072	-0.044378	-5.8534E-06	0.022303	-0.0002712
Zj: 6.9251		0.11039	-0.00037072	-0.044378	-5.8534E-06	-0.016089	4.9519E-05
	Rüzgar Yükü Y	0.11039	-0.00037072	-0.044378	-5.8534E-06	0.022303	-0.0002712
		0.11039	-0.00037072	-0.044378	-5.8534E-06	-0.016089	4.9519E-05
	Kar Yükü	-0.19718	0.00076032	0.082341	1.3159E-05	-0.040899	0.00050659
		-0.19718	0.00076032	0.082341	1.3159E-05	0.030335	-0.00015118
	Deprem X	-0.0019414	0.010712	0.0021735	-0.00059482	-0.0010619	0.0049756
		-0.0019414	0.010712	0.0021735	-0.00059482	0.00082896	-0.0043357
	Deprem Y	0.018167	0.00031286	-0.0031088	7.9809E-06	0.002254	1.6219E-05
		0.018167	0.00031286	-0.0031088	7.9809E-06	-0.0010513	-0.00025631
MK8	Ölü Yük	-0.11772	-0.0034416	0.47292	-3.3093E-05	-0.21584	-0.0019051
216		-0.11066	-0.0034416	0.47292	-3.3093E-05	0.19329	0.0010723
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 1.95		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.1229	0.0014618	-0.12395	2.1536E-05	0.057886	0.00079758
Zj: 6.9251		0.1229	0.0014618	-0.12395	2.1536E-05	-0.049347	-0.00046701
	Rüzgar Yükü Y	0.1229	0.0014618	-0.12395	2.1536E-05	0.057886	0.00079758
		0.1229	0.0014618	-0.12395	2.1536E-05	-0.049347	-0.00046701

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Kar Yükü	-0.23026	-0.0022542	0.23029	-2.2973E-05	-0.10761	-0.0012781
		-0.23026	-0.0022542	0.23029	-2.2973E-05	0.09162	0.00067204
	Deprem X	0.0043885	0.0094368	-0.014924	-0.00063858	0.0067902	0.0055598
		0.0043885	0.0094368	-0.014924	-0.00063858	-0.0061315	-0.0026495
	Deprem Y	-0.01785	0.0018725	-0.0039994	7.2174E-05	-0.0027141	0.00083164
		-0.01785	0.0018725	-0.0039994	7.2174E-05	-0.001292	-0.00078835
MK9	Ölü Yük	-0.61986	0.003911	0.014117	8.8079E-06	0.021011	0.0032238
150		-0.61328	0.003911	0.014117	8.8079E-06	0.032385	7.2932E-05
X: 18.75m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.34487	-0.0014881	0.048157	-4.3333E-06	-0.031342	-0.0012075
Zj: 6.8657		0.34487	-0.0014881	0.048157	-4.3333E-06	0.0074558	-8.5587E-06
	Rüzgar Yükü Y	0.34487	-0.0014881	0.048157	-4.3333E-06	-0.031342	-0.0012075
		0.34487	-0.0014881	0.048157	-4.3333E-06	0.0074558	-8.5587E-06
	Kar Yükü	-0.63233	0.002684	-0.078546	7.0553E-06	0.05322	0.0022134
		-0.63233	0.002684	-0.078546	7.0553E-06	-0.010061	5.1029E-05
	Deprem X	-0.011202	0.026263	-0.0060845	-0.00071842	0.0021221	0.020674
		-0.011202	0.026263	-0.0060845	-0.00071842	-0.002851	-0.00071742
	Deprem Y	0.035589	-0.00030897	0.019543	-4.3245E-06	-0.0097803	-0.00010114
		0.035589	-0.00030897	0.019543	-4.3245E-06	0.0060057	0.00014939
MK9	Ölü Yük	-0.44562	7.2939E-06	-0.0047702	4.6022E-08	0.019419	8.0273E-06
182		-0.43905	7.2939E-06	-0.0047702	4.6022E-08	0.015575	2.1509E-06
X: 11.25m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.282	1.1121E-05	0.071241	-2.2638E-07	-0.037315	5.145E-06
Zj: 6.8657		0.282	1.1121E-05	0.071241	-2.2638E-07	0.02008	-3.8144E-06
	Rüzgar Yükü Y	0.282	1.1121E-05	0.071241	-2.2638E-07	-0.037315	5.145E-06
		0.282	1.1121E-05	0.071241	-2.2638E-07	0.02008	-3.8144E-06
	Kar Yükü	-0.52884	-1.2077E-05	-0.1189	3.7096E-07	0.064005	-7.4489E-06
		-0.52884	-1.2077E-05	-0.1189	3.7096E-07	-0.031789	2.2812E-06
	Deprem X	8.0481E-05	0.026892	-2.9354E-05	-0.00070695	-1.5554E-05	0.020917
		8.0481E-05	0.026892	-2.9354E-05	-0.00070695	-8.9663E-06	-0.00090066
	Deprem Y	-0.0095685	3.5353E-05	0.033731	-1.0149E-06	-0.013359	2.3806E-05
		-0.0095685	3.5353E-05	0.033731	-1.0149E-06	0.013818	5.1041E-06
MK9	Ölü Yük	-0.4728	0.0027189	-0.0099224	1.7852E-06	0.022937	0.0024216
165		-0.46622	0.0027189	-0.0099224	1.7852E-06	0.014943	0.00023115
X: 15m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.28993	-0.0010015	0.069232	-9.8145E-07	-0.036896	-0.0008952
Zj: 6.8657		0.28993	-0.0010015	0.069232	-9.8145E-07	0.018882	-8.8299E-05
	Rüzgar Yükü Y	0.28993	-0.0010015	0.069232	-9.8145E-07	-0.036896	-0.0008952
		0.28993	-0.0010015	0.069232	-9.8145E-07	0.018882	-8.8299E-05
	Kar Yükü	-0.53796	0.0018691	-0.11713	2.4635E-06	0.06374	0.0016597
		-0.53796	0.0018691	-0.11713	2.4635E-06	-0.030629	0.00015376
	Deprem X	-0.0012225	0.026804	0.0013282	-0.00070501	-0.00051238	0.020854
		-0.0012225	0.026804	0.0013282	-0.00070501	0.00056172	-0.00088615

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem Y	0.010761	0.00010727	0.026382	2.6115E-06	-0.011329	3.0471E-05
		0.010761	0.00010727	0.026382	2.6115E-06	0.0099278	-6.4185E-05
MK9	Ölü Yük	-0.62437	-0.0039866	0.015956	-8.7195E-06	0.020447	-0.0032972
214		-0.61779	-0.0039866	0.015956	-8.7195E-06	0.033301	-8.5364E-05
X: 3.75m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.34879	0.0015251	0.048898	3.7953E-06	-0.031768	0.0012477
Zj: 6.8657		0.34879	0.0015251	0.048898	3.7953E-06	0.0076278	1.9055E-05
	Rüzgar Yükü Y	0.34879	0.0015251	0.048898	3.7953E-06	-0.031768	0.0012477
		0.34879	0.0015251	0.048898	3.7953E-06	0.0076278	1.9055E-05
	Kar Yükü	-0.6386	-0.0027411	-0.079317	-6.1012E-06	0.05374	-0.0022854
		-0.6386	-0.0027411	-0.079317	-6.1012E-06	-0.010163	-7.704E-05
	Deprem X	0.011174	0.026307	0.0060613	-0.00071853	-0.0021107	0.020686
		0.011174	0.026307	0.0060613	-0.00071853	0.0028434	-0.00072892
	Deprem Y	0.035554	0.00034104	0.019911	3.8662E-06	-0.0099406	0.00012077
		0.035554	0.00034104	0.019911	3.8662E-06	0.0061347	-0.00015511
MK9	Ölü Yük	-0.4717	-0.0027288	-0.0098564	-1.7125E-06	0.022847	-0.0024269
199		-0.46513	-0.0027288	-0.0098564	-1.7125E-06	0.014907	-0.00022846
X: 7.5m	Hareketli Yük	0	0	0	0	0	0
Y: 3.05		0	0	0	0	0	0
Zi: 6.06	Rüzgar Yükü X	0.28919	0.0010188	0.070093	5.2552E-07	-0.037223	0.00091093
Zj: 6.8657		0.28919	0.0010188	0.070093	5.2552E-07	0.019248	9.0107E-05
	Rüzgar Yükü Y	0.28919	0.0010188	0.070093	5.2552E-07	-0.037223	0.00091093
		0.28919	0.0010188	0.070093	5.2552E-07	0.019248	9.0107E-05
	Kar Yükü	-0.53756	-0.0019128	-0.11847	-1.7388E-06	0.064263	-0.0016905
		-0.53756	-0.0019128	-0.11847	-1.7388E-06	-0.031181	-0.00014939
	Deprem X	0.0013332	0.026801	-0.0014619	-0.0007051	0.00055543	0.020856
		0.0013332	0.026801	-0.0014619	-0.0007051	-0.00062548	-0.00088152
	Deprem Y	0.010181	-7.307E-05	0.02688	-3.0475E-06	-0.0115	2.0096E-05
		0.010181	-7.307E-05	0.02688	-3.0475E-06	0.010158	5.9314E-05
S1	Ölü Yük	2.0872	-0.35885	-0.033276	-5.2419E-05	0.0077245	-0.385
1		8.2475	-0.28847	-0.030088	0.0004395	0.0059267	0.52282
X: 1.3m	Hareketli Yük	0	0	0	0	0	0
Y: 8.7		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.1649	0.16157	0.046297	0.00014951	-0.20234	0.1736
Zj: 5.83		-3.7646	0.12985	0.046764	0.0002743	-0.008715	-0.23637
	Rüzgar Yükü Y	-1.1649	0.16157	0.046297	0.00014951	-0.20234	0.1736
		-3.7646	0.12985	0.046764	0.0002743	-0.008715	-0.23637
	Kar Yükü	2.1838	-0.30853	-0.028292	-5.4897E-05	0.0053636	-0.33108
		7.1592	-0.24774	-0.025683	0.00034197	0.0050863	0.44938
	Deprem X	3.6325	0.25037	0.031927	0.00011906	0.11738	0.34831
		-0.46075	0.22204	0.030484	-0.00034963	-0.0066205	-0.26983
	Deprem Y	-0.0891	-0.0087097	0.21809	0.0010261	-1.3572	-0.0074059
		0.13055	-0.0074062	0.22055	0.0039452	-0.043042	0.0059481
S1	Ölü Yük	-5.6659	-0.35811	0.032924	-5.7325E-05	-0.010734	-0.38466
2		-11.079	-0.42849	0.029736	0.00072592	-0.01055	0.66597

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
X: 1.7m	Hareketli Yük	0	0	0	0	0	0
Y: 8.7		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.3581	0.16129	0.021989	0.00015178	-0.21569	0.17347
Zj: 5.83		4.9578	0.19301	0.021522	0.00021379	-0.0023303	-0.30093
	Rüzgar Yükü Y	2.3581	0.16129	0.021989	0.00015178	-0.21569	0.17347
		4.9578	0.19301	0.021522	0.00021379	-0.0023303	-0.30093
	Kar Yükü	-4.4818	-0.308	0.028174	-5.9262E-05	-0.0087943	-0.33084
		-9.4572	-0.36879	0.025565	0.00058759	-0.0092173	0.57307
	Deprem X	-3.5194	0.25028	-0.025308	0.00011955	0.10463	0.34827
		0.57076	0.24246	-0.024693	-0.00031531	0.0079341	-0.29067
	Deprem Y	-0.033792	-0.0086909	0.25699	0.0010259	-1.5083	-0.0073973
		-0.20273	-0.010186	0.23345	0.0042549	-0.051138	0.0083978
S1	Ölü Yük	-6.1561	-0.40332	0.00024673	8.0864E-06	-0.0011335	-0.4325
3		-12.307	-0.4818	0.00023764	8.1874E-06	0.00019665	0.7486
X: 1.7m	Hareketli Yük	0	0	0	0	0	0
Y: 5.75		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.4579	0.16893	0.036696	0.00012281	-0.21981	0.18117
Zj: 5.83		5.1905	0.20424	0.034766	0.00054328	-0.007003	-0.31603
	Rüzgar Yükü Y	2.4579	0.16893	0.036696	0.00012281	-0.21981	0.18117
		5.1905	0.20424	0.034766	0.00054328	-0.007003	-0.31603
	Kar Yükü	-4.6009	-0.31635	-7.6821E-05	-4.4348E-06	-0.00084171	-0.33927
		-9.7179	-0.38245	2.5333E-05	-2.3959E-05	-0.0010181	0.59178
	Deprem X	-3.356	0.23698	-0.016359	0.00010056	0.10562	0.32917
		0.52368	0.23006	-0.01673	0.00026074	0.0067447	-0.27517
	Deprem Y	0.0079679	0.00070816	0.25569	0.0010246	-1.5079	0.00080395
		0.01896	0.00084435	0.23186	0.0043141	-0.054087	-0.0012379
S1	Ölü Yük	2.58	-0.4046	-0.00026663	8.0868E-06	0.00032764	-0.43314
4		9.4782	-0.32613	-0.00025754	1.1619E-05	-0.0011211	0.59118
X: 1.3m	Hareketli Yük	0	0	0	0	0	0
Y: 5.75		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.1985	0.16946	0.031488	0.0001228	-0.19875	0.18143
Zj: 5.83		-3.931	0.13415	0.033419	0.00047464	-0.0051827	-0.24518
	Rüzgar Yükü Y	-1.1985	0.16946	0.031488	0.0001228	-0.19875	0.18143
		-3.931	0.13415	0.033419	0.00047464	-0.0051827	-0.24518
	Kar Yükü	2.2452	-0.31733	6.4153E-05	-4.435E-06	-0.0015817	-0.33975
		7.3622	-0.25123	-3.8001E-05	-2.5772E-05	-0.0014808	0.45915
	Deprem X	3.4225	0.23712	-0.019781	0.00010057	0.11664	0.32924
		-0.46421	0.21061	-0.019265	0.00034381	-0.0023146	-0.25553
	Deprem Y	0.0055068	0.00070995	0.21901	0.0010246	-1.3579	0.00080485
		-0.014025	0.00061306	0.22177	0.0039917	-0.042672	-0.0010034
S1	Ölü Yük	-7.2546	-0.47255	-0.043169	8.9941E-05	0.010721	-0.50779
5		-14.517	-0.56303	-0.039011	-0.00092441	0.011883	0.87602
X: 1.7m	Hareketli Yük	0	0	0	0	0	0
Y: 2.8		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.5489	0.17594	0.052966	9.3097E-05	-0.22414	0.18882
Zj: 5.83		5.3972	0.2109	0.049506	0.00088785	-0.010869	-0.32651

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Rüzgar Yükü Y	2.5489	0.17594	0.052966	9.3097E-05	-0.22414	0.18882
		5.3972	0.2109	0.049506	0.00088785	-0.010869	-0.32651
	Kar Yükü	-4.7188	-0.32422	-0.029909	5.096E-05	0.0071547	-0.34839
		-9.9572	-0.38851	-0.02692	-0.00067381	0.0068195	0.60325
	Deprem X	-3.2245	0.228	0.027171	9.3188E-05	0.10528	0.3173
		0.51088	0.22222	0.02573	0.0004963	-0.0064726	-0.26516
	Deprem Y	0.030218	0.0087662	0.25696	0.0010252	-1.508	0.0075333
		0.19739	0.010416	0.23336	0.0042623	-0.051344	-0.0085789
S1	Ölü Yük	2.9466	-0.47346	0.04331	8.3593E-05	-0.011056	-0.50821
6		10.956	-0.38298	0.039152	-0.00056516	-0.011859	0.69197
X: 1.3m	Hareketli Yük	0	0	0	0	0	0
Y: 2.8		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.215	0.17624	0.015237	9.5614E-05	-0.19424	0.18896
Zj: 5.83		-4.0634	0.14128	0.018697	0.00068458	-0.0010171	-0.25538
	Rüzgar Yükü Y	-1.215	0.17624	0.015237	9.5614E-05	-0.19424	0.18896
		-4.0634	0.14128	0.018697	0.00068458	-0.0010171	-0.25538
	Kar Yükü	2.2731	-0.32479	0.029931	4.6345E-05	-0.0096722	-0.34864
		7.5115	-0.2605	0.026942	-0.0004245	-0.0092096	0.47245
	Deprem X	3.3527	0.22808	-0.030979	9.3367E-05	0.1178	0.31734
		-0.39964	0.20253	-0.029044	0.00053949	0.0037795	-0.24507
	Deprem Y	0.086578	0.008787	0.21808	0.0010254	-1.3569	0.0075428
		-0.12935	0.0072875	0.22057	0.0039478	-0.042768	-0.0057677
S1	Ölü Yük	2.9592	0.47308	0.043336	-8.394E-05	-0.011359	0.50755
16		10.962	0.38291	0.039177	0.00056548	-0.011794	-0.69194
X: 21.1m	Hareketli Yük	0	0	0	0	0	0
Y: 2.8		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.2195	-0.17627	0.015251	-9.5795E-05	-0.19442	-0.18893
Zj: 5.83		-4.0683	-0.14149	0.018692	-0.00068221	-0.0011352	0.25567
	Rüzgar Yükü Y	-1.2195	-0.17627	0.015251	-9.5795E-05	-0.19442	-0.18893
		-4.0683	-0.14149	0.018692	-0.00068221	-0.0011352	0.25567
	Kar Yükü	2.2855	0.3246	0.029949	-4.6483E-05	-0.0098156	0.34825
		7.5208	0.26067	0.026968	0.0004234	-0.009122	-0.47272
	Deprem X	-3.3533	0.22804	0.030964	9.454E-05	-0.11785	0.3173
		0.39955	0.20249	0.029019	0.00054057	-0.003818	-0.245
	Deprem Y	0.095173	-0.010074	0.21808	-0.0010199	-1.3583	-0.0093344
		-0.1337	-0.0086005	0.22064	-0.003913	-0.043168	0.0074761
S1	Ölü Yük	2.0748	0.35921	-0.033248	5.2167E-05	0.0073773	0.38555
17		8.2413	0.2889	-0.03006	-0.0004399	0.0059563	-0.52321
X: 21.1m	Hareketli Yük	0	0	0	0	0	0
Y: 8.7		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.1629	-0.16157	0.046317	-0.00014974	-0.20251	-0.17361
Zj: 5.83		-3.7627	-0.12994	0.046775	-0.0002734	-0.0087898	0.23642
	Rüzgar Yükü Y	-1.1629	-0.16157	0.046317	-0.00014974	-0.20251	-0.17361
		-3.7627	-0.12994	0.046775	-0.0002734	-0.0087898	0.23642
	Kar Yükü	2.1797	0.30868	-0.028274	5.4842E-05	0.0051946	0.33129
		7.1578	0.24806	-0.025663	-0.00034257	0.0051151	-0.4497

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
	Deprem X	-3.6361	0.25008	-0.031933	0.00011942	-0.11743	0.348
		0.45335	0.22174	-0.030468	-0.00035676	0.0066082	-0.26934
	Deprem Y	-0.10081	0.009884	0.2181	-0.0010206	-1.3587	0.0091225
		0.12986	0.008649	0.22069	-0.0039201	-0.043336	-0.0074724
S1	Ölü Yük	-7.2727	0.47216	-0.043038	-9.0266E-05	0.010323	0.50713
27		-14.528	0.56233	-0.038879	0.00092387	0.01205	-0.87535
X: 20.7m	Hareketli Yük	0	0	0	0	0	0
Y: 2.8		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.5543	-0.17596	0.053024	-9.3291E-05	-0.22436	-0.18879
Zj: 5.83		5.4031	-0.21075	0.049583	-0.00088314	-0.010729	0.32641
	Rüzgar Yükü Y	2.5543	-0.17596	0.053024	-9.3291E-05	-0.22436	-0.18879
		5.4031	-0.21075	0.049583	-0.00088314	-0.010729	0.32641
	Kar Yükü	-4.7332	0.32404	-0.029855	-5.1072E-05	0.0069777	0.34799
		-9.9685	0.38797	-0.026873	0.00067159	0.006849	-0.60279
	Deprem X	3.225	0.22796	-0.027154	9.437E-05	-0.10518	0.31726
		-0.51004	0.22216	-0.025737	0.00049696	0.0063686	-0.26508
	Deprem Y	0.032208	-0.010054	0.25726	-0.0010197	-1.5098	-0.0093256
		0.20224	-0.011672	0.23394	-0.0042224	-0.050469	0.010194
S1	Ölü Yük	-6.1616	0.40335	0.00034169	-8.3691E-06	-0.0015335	0.43249
28		-12.313	0.48171	0.00034295	-6.3641E-06	0.00038007	-0.74856
X: 20.7m	Hareketli Yük	0	0	0	0	0	0
Y: 5.75		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.4608	-0.16891	0.036749	-0.00012307	-0.22003	-0.18111
Zj: 5.83		5.193	-0.20407	0.034831	-0.00054005	-0.0068807	0.31586
	Rüzgar Yükü Y	2.4608	-0.16891	0.036749	-0.00012307	-0.22003	-0.18111
		5.193	-0.20407	0.034831	-0.00054005	-0.0068807	0.31586
	Kar Yükü	-4.6082	0.31639	-3.5674E-05	4.3643E-06	-0.0010217	0.33923
		-9.7259	0.38218	6.8346E-05	2.4288E-05	-0.00095003	-0.59159
	Deprem X	3.3571	0.23688	0.016347	0.00010135	-0.10551	0.32907
		-0.52101	0.22995	0.016742	0.00026486	-0.0066457	-0.27499
	Deprem Y	0.01309	-0.00058427	0.25592	-0.0010194	-1.5096	-0.00058708
		0.021976	-0.00073479	0.23234	-0.0042758	-0.053279	0.0011714
S1	Ölü Yük	2.5815	0.40463	-0.00020498	-8.3694E-06	-1.4624E-05	0.43312
29		9.4803	0.32627	-0.00020624	-9.8702E-06	-0.0011134	-0.59138
X: 21.1m	Hareketli Yük	0	0	0	0	0	0
Y: 5.75		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	-1.2004	-0.16943	0.031505	-0.00012306	-0.19891	-0.18137
Zj: 5.83		-3.9326	-0.13428	0.033422	-0.00047304	-0.0052658	0.24531
	Rüzgar Yükü Y	-1.2004	-0.16943	0.031505	-0.00012306	-0.19891	-0.18137
		-3.9326	-0.13428	0.033422	-0.00047304	-0.0052658	0.24531
	Kar Yükü	2.251	0.31737	9.8055E-05	4.3645E-06	-0.0017477	0.33971
		7.3687	0.25158	-5.9651E-06	2.6049E-05	-0.0014476	-0.45958
	Deprem X	-3.4235	0.23703	0.019793	0.00010136	-0.11668	0.32914
		0.46138	0.21052	0.019253	0.00034792	0.0023289	-0.25537
	Deprem Y	-0.0078786	-0.00058622	0.21905	-0.0010194	-1.3593	-0.00058802
		-0.016707	-0.00048657	0.22191	-0.0039574	-0.043036	0.00090722

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
S1	Ölü Yük	-5.6591	0.35847	0.033045	5.7069E-05	-0.011158	0.38521
30		-11.078	0.42878	0.029856	-0.00072637	-0.010469	-0.66622
X: 20.7m	Hareketli Yük	0	0	0	0	0	0
Y: 8.7		0	0	0	0	0	0
Zi: -0.13	Rüzgar Yükü X	2.3579	-0.16129	0.022036	-0.00015201	-0.21592	-0.17348
Zj: 5.83		4.9577	-0.19292	0.021577	-0.00021171	-0.0022597	0.30079
	Rüzgar Yükü Y	2.3579	-0.16129	0.022036	-0.00015201	-0.21592	-0.17348
		4.9577	-0.19292	0.021577	-0.00021171	-0.0022597	0.30079
	Kar Yükü	-4.4817	0.30814	0.028226	5.9195E-05	-0.0089866	0.33105
		-9.4598	0.36876	0.025615	-0.00058783	-0.0091954	-0.57302
	Deprem X	3.5229	0.24998	0.02529	0.0001199	-0.10452	0.34796
		-0.56285	0.24218	0.024682	-0.00032232	-0.0078655	-0.29019
	Deprem Y	-0.034056	0.0098665	0.25724	-0.0010205	-1.5101	0.0091148
		-0.20101	0.01128	0.2339	-0.004228	-0.050829	-0.0097124
S2	Ölü Yük	-0.13658	-0.00034744	-0.0020152	0.00018805	0.0014489	-0.00035246
914		0	0	0	0	0	0
X: 9.85m	Hareketli Yük	0	0	0	0	0	0
Y: 3.75		0	0	0	0	0	0
Zi: 0.02	Rüzgar Yükü X	0	0	0	0	0	0
Zj: 3.5		0	0	0	0	0	0
	Rüzgar Yükü Y	0	0	0	0	0	0
		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.021131	0.018475	-4.7997E-05	-0.00025829	6.0362E-05	0.025047
		0	2.7448E-05	0	0	0	0
	Deprem Y	0.014985	-0.0012576	0.018168	0.00029482	-0.023105	-0.0017031
		0	0	2.8772E-05	0	0	0
S2	Ölü Yük	-0.13439	0.00034517	-0.0032653	0.00040218	0.0023308	0.00023724
915		0	0	0	0	0	0
X: 12.55m	Hareketli Yük	0	0	0	0	0	0
Y: 3.75		0	0	0	0	0	0
Zi: 0.02	Rüzgar Yükü X	0	0	0	0	0	0
Zj: 3.5		0	0	0	0	0	0
	Rüzgar Yükü Y	0	0	0	0	0	0
		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.021131	0.017922	0.00025173	-0.00019355	-0.00017943	0.024594
		0	2.7434E-05	0	0	0	0
	Deprem Y	0.015354	-0.0012015	0.018245	0.00030463	-0.023091	-0.0016559
		0	0	2.8618E-05	0	0	0
S2	Ölü Yük	-0.13657	-0.00034542	0.0020114	-0.00018865	-0.0014442	-0.00035019
916		0	0	0	0	0	0
X: 9.85m	Hareketli Yük	0	0	0	0	0	0
Y: 7.75		0	0	0	0	0	0

İsim	Yükleme	Ni-TonF	V2i	V3i	Ti-TonF.m	M2i	M3i
ID		Nj	V2j	V3j	Tj	M2j	M3j
Zi: 0.02	Rüzgar Yükü X	0	0	0	0	0	0
Zj: 3.5		0	0	0	0	0	0
	Rüzgar Yükü Y	0	0	0	0	0	0
		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	0.021096	0.018439	-4.678E-05	0.0002645	5.959E-05	0.024998
		0	2.7369E-05	0	0	0	0
	Deprem Y	-0.014985	0.0012576	0.018168	0.00029512	-0.023105	0.0017031
		0	0	2.8772E-05	0	0	0
S2	Ölü Yük	-0.13375	0.00034769	0.003269	-0.00040265	-0.0023291	0.00023991
917		0	0	0	0	0	0
X: 12.55m	Hareketli Yük	0	0	0	0	0	0
Y: 7.75		0	0	0	0	0	0
Zi: 0.02	Rüzgar Yükü X	0	0	0	0	0	0
Zj: 3.5		0	0	0	0	0	0
	Rüzgar Yükü Y	0	0	0	0	0	0
		0	0	0	0	0	0
	Kar Yükü	0	0	0	0	0	0
		0	0	0	0	0	0
	Deprem X	-0.021096	0.017888	-0.00023664	0.00019979	0.00016118	0.024546
		0	2.7354E-05	0	0	0	0
	Deprem Y	-0.015354	0.0012015	0.018242	0.00030509	-0.023089	0.0016559
		0	0	2.8617E-05	0	0	0

2. DEPREM RAPORU

2.1. Dinamik Analiz Bilgileri

Tablo: Yapı doğal titreşim modları(Düşey kütle tanımlı değil)

No	ω	T	%mx	%my		ω	T	%mx	%my
1	8.2247	0.76394	48.2	0		6.8872	0.91229	0	84
2	18.603	0.33776	17.3	0		19.265	0.32615	0.1	7.9
3	28.487	0.22056	13.1	0		201.85	0.031127	0	3.8
4	21.07	0.2982	10.7	0		17.59	0.35721	0	1.8
5	189.8	0.033105	3.5	0		90.78	0.069213	0	0.7
6	19.695	0.31902	1.8	0		132.49	0.047425	0	0.6
7	34.354	0.1829	1.7	0		46.516	0.13508	0	0
8	15.786	0.39802	1.7	0		189.8	0.033105	3.5	0
9	46.092	0.13632	1.1	0		38.511	0.16315	0	0
10	69.644	0.090218	0.1	0		18.603	0.33776	17.3	0
11	19.265	0.32615	0.1	7.9		21.07	0.2982	10.7	0
12	201.85	0.031127	0	3.8		23.283	0.26986	0	0
13	11.733	0.53552	0	0		11.733	0.53552	0	0
14	132.49	0.047425	0	0.6		46.092	0.13632	1.1	0
15	46.516	0.13508	0	0		69.644	0.090218	0.1	0
...									

Σmx: %99.3, Σmy: %99

Tablo: Yapı doğal titreşim modları(Düşey kütle tanımlı)

No	ω	T	%mx	%my	%mz		ω	T	%mx	%my	%mz		ω	T	%mx	%my	%mz
1	21.8	0.28821	0	0	6.8		21.8	0.28821	0	0	6.8		26.225	0.23959	0	0	43.2
2	26.225	0.23959	0	0	43.2		26.225	0.23959	0	0	43.2		1085	0.005791	0	0	16.6
3	54.258	0.1158	0	0	0		54.258	0.1158	0	0	0		245.1	0.025635	0	0	9.2
4	69.557	0.090331	0	0	0		69.557	0.090331	0	0	0		21.8	0.28821	0	0	6.8
5	79.29	0.079243	0	0	1.4		79.29	0.079243	0	0	1.4		174.18	0.036074	0	0	5.6
6	80.119	0.078423	0	0	0.3		80.119	0.078423	0	0	0.3		662.18	0.0094887	0	0	4
7	97.536	0.064419	0	0	0		97.536	0.064419	0	0	0		200	0.031415	0	0	3.4
8	106.45	0.059025	0	0	0.5		106.45	0.059025	0	0	0.5		121.85	0.051567	0	0	3.2
9	111.38	0.056411	0	0	0.3		111.38	0.056411	0	0	0.3		406.48	0.015458	0	0	1.6
10	114.98	0.054646	0	0	0.1		114.98	0.054646	0	0	0.1		79.29	0.079243	0	0	1.4
11	121.85	0.051567	0	0	3.2		121.85	0.051567	0	0	3.2		276.63	0.022713	0	0	1.1
12	133.03	0.047232	0	0	0.2		133.03	0.047232	0	0	0.2		106.45	0.059025	0	0	0.5
13	157.42	0.039915	0	0	0.4		157.42	0.039915	0	0	0.4		157.42	0.039915	0	0	0.4
14	174.18	0.036074	0	0	5.6		174.18	0.036074	0	0	5.6		111.38	0.056411	0	0	0.3
15	200	0.031415	0	0	3.4		200	0.031415	0	0	3.4		80.119	0.078423	0	0	0.3
...																	

Σmx: %0, Σmy: %0 , Σmz: %98

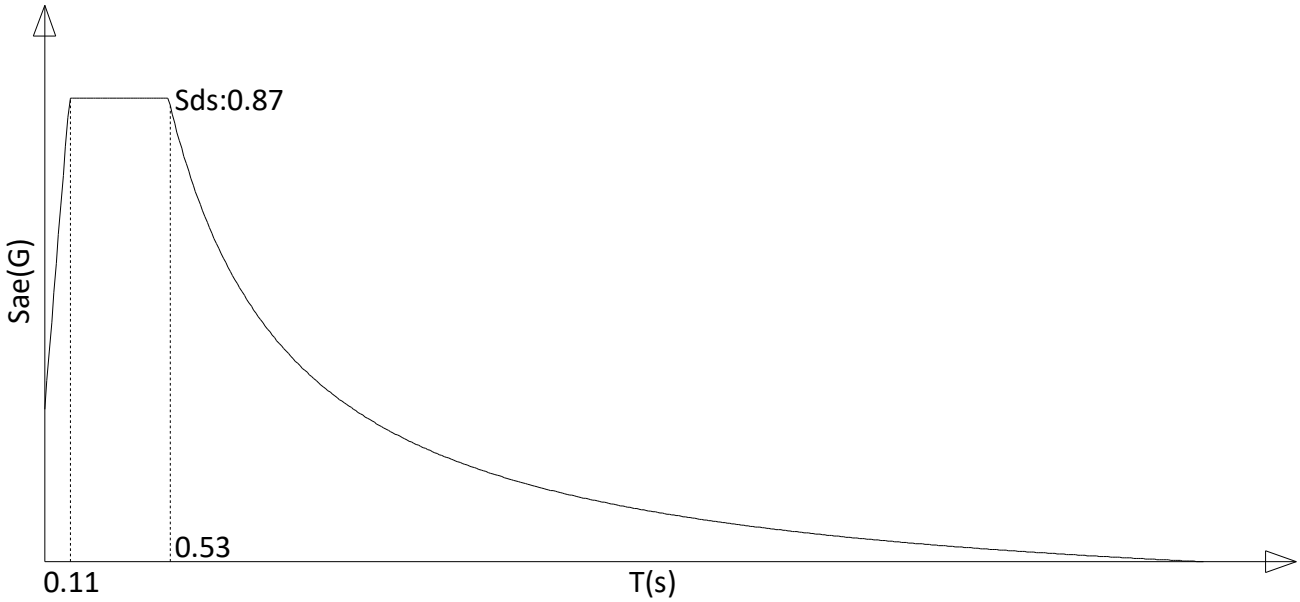
2.2. Deprem Yüklemeleri

Tablo: Deprem Taban Kesme Kuvvetleri ve büyütülmesi

X yönü deprem				Y yönü deprem		
Modal[TonF]	Eşdeğer	Deprem Yükü		Modal[TonF]	Eşdeğer	Deprem Yükü
1.625	3.2433	2.919		1.551	3.2433	2.919

3. TDY 2018 genel bilgiler

Yer Hareketi Duzeyi	DD2
Deprem Tasarım Sınıfı	DTS1
Bina Kullanım Sınıfı	BKS3
Bina Yükseklik Sınıfı	BYS7
Yerel Zemin Sınıfı	ZD
Yapı Tipi X	C11
Yapı Tipi Y	C11
Süneklilik katsayısı Rx	8
Süneklilik katsayısı Ry	8
Dayanım fazlalığı katsayısı Dx	3
Dayanım fazlalığı katsayısı Dy	3
Yapı önem katsayısı I	1
Eşdeğer deprem yükü karşılaştırma katsayısı β	0.9
Hareketli yük katılım katsayısı n	0.3
Deprem alt kotu yüksekliği	0m
Ek dışmerkezlik e	0.05
Dolgu duvar bağlantı tipi	Tam bağlı
Boylam	26.407
Enlem	40.883
Spektrum parametresi Ss	0.695
Spektrum parametresi S1	0.212
Spektrum parametresi Sds	0.865
Spektrum parametresi Sd1	0.461
Spektrum parametresi Ta	0.10659
Spektrum parametresi Tb	0.53295
Spektrum parametresi TL	6



Şekil:Yatay Elastik Tasarım spektrumu

4. Eleman Hesap Detayları

4.1. S2 tasarımı (Çelik Kolon,R60x5)

Tüm eleman için Güvenlik katsayısı **ζ: 3.88**

A	I_2	Wel_2	Wpl_2	i_2	I_3	Wel_3	Wpl_3
cm²	cm⁴	cm³	cm³	cm	cm⁴	cm³	cm³
9.6313	52.938	17.646	21.419	2.3445	52.938	17.646	21.419

i_3	I_t	H	t_w	B	t_F	Malz	E(10³)	σ_f
cm	cm⁴	mm	mm	mm	mm	-	kgF/cm²	kgF/cm²
2.3445	96.013	60	5	60	5	S235	2039.4	2396.3

Tablo: Tasarım Birimini oluşturan parçalar

Eleman ismi	ID	Başlangıç[cm]	Bitiş	Uzunluk	Ters-Düz	Rijit Böl.
S2	914	0	273	273	Düz	-

Tasarım birimi yeri:9.85/3.75/0.02, toplam uzunluğu:2.73m, yönü:0/0/1 , DirProj:[0.02 / 2.75m]

Sonraki tasarım birimi:S2(4parça)

Brüt alan:1025, boşluklu alan:1025mm², bu eleman için tasarım noktaları yeri:

0.005, 0.277, 0.549, 0.821, 1.093, 1.365, 1.637, 1.909, 2.181, 2.453, 2.725[m]

4.2. YDKT TASARIM GENEL

ϕ:0.26, Güvenlik katsayısı **ζ: 3.88**

4.3. Çekme kuvveti dayanımı(7.2)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX2-3EY3-0,3EZ1

N: 1.796E-05TonF, ϕ:0, Güvenlik katsayısı **ζ: 100**

Akma sınır durumu $T_n = F_y A_g$:20.772TonF

Kırılma sınır durumu $T_n = F_u A_e$:19.888TonF

4.4. Basınç kuvveti dayanımı (8.2)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX3-3EY3+0,3Ez1

L_{b2} :3.43m, L_{b3} :2.96m, N: -0.21375TonF, ϕ:0.03, Güvenlik katsayısı **ζ: 33.44**

$$P_n = F_{cr} \cdot A_g \qquad \frac{L_c}{i} \le 4.71\sqrt{\frac{E}{F_y}} \Longrightarrow F_{cr} = \left[0.658^{F_y/F_e}\right] F_y \qquad \frac{L_c}{i} > 4.71\sqrt{\frac{E}{F_y}} \Longrightarrow F_{cr} = 0.877 F_e \qquad \textbf{(8.1-3)}$$

A_g :9.6313cm², F_{cr} :824.72kgF/cm², P_n :7.9431TonF

4.5. BURULMA ETKİSİNDEKİ ELEMANLAR(11.3)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX2-3EY3-0,3EZ1

, T: 0.0014112TonF.m, ϕ:0, Güvenlik katsayısı **ζ: 100**

$$\varphi T_n : 0.38519 \text{TonF.m} \qquad \textbf{(11.4)}$$

4.6. Kesme Kuvveti Etkisi(10.1)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX2-3EY3+0,3Ez1

V_2 :-0.05431TonF.m, V_3 :-0.20228TonF.m, ϕ:0.04, Güvenlik katsayısı **ζ: 27.4**

Karakteristik kesme kuvveti dayanımı V_{n2} :5.5418TonF, V_{n3} :5.5418TonF

4.7. Eğilme momenti etkisi(9.1)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX2-3EY3+0,3Ez1

M_2 :-0.084312TonF.m, M_3 :-0.028871TonF.m, ϕ:0.18, Güvenlik katsayısı **ζ: 5.48**

Karakteristik eğilme momenti dayanımı M_{n2} :0.46194TonF.m , M_{n3} :0.46194TonF.m, 2 ekseni göçme şekli Y, 3 ekseni göçme şekli Y

4.8. Birleşik etkiler(11.1)

En olumsuz kombinasyon:1,2G+Q+0,2S+0,9EX2-3EY3+0,3Ez1

P_r :-0.18401TonF, M_{r2} :0.084312TonF.m, M_{r3} :0.028871TonF.m

P_c :7.1488TonF, M_{c2} :0.46194TonF.m, M_{c3} :0.46194TonF.m, ϕ:0.26, Güvenlik katsayısı **ζ: 3.88**

$$\frac{P_r}{P_c} \ge 0.2 \Longrightarrow \frac{P_r}{P_c} + \frac{8}{9}\left(\frac{M_{rx}}{M_{cx}} + \frac{M_{ry}}{M_{cy}}\right) \le 1 \qquad \frac{P_r}{P_c} < 0.2 \Longrightarrow \frac{P_r}{2P_c} + \frac{8}{9}\left(\frac{M_{rx}}{M_{cx}} + \frac{M_{ry}}{M_{cy}}\right) \le 1 \qquad \textbf{(11.1)}$$

$$\frac{P_r}{P_c} = 0.01 \qquad \frac{M_{rx,2}}{M_{cx,2}} = 0.18 \qquad \frac{M_{rx,3}}{M_{cx,3}} = 0.06 \Longrightarrow 0.26 \le 1 \qquad \varphi{:}0.26, \text{Dayanım Yeterli } \surd$$

4.9. TDY2018 bilgileri

Dayanım fazlalığı katsayısı Dx:3 Dy:3 ; süneklilik katsayısı R_x :8, R_y :8

9.2.7. Enkesit Koşulları(Tablo 9.3)

Kesit rijit kısım narinliği λ_{Kes} :10, limit $\lambda_{HD\text{-}Lim}$:16.045 ...√

9.3.1.3(b)-Süneklilik alanı

Olumsuz komb: G + Q - 3Ex, $N_{d,tens}$:0TonF, $N_{d,buck}$:-0.20347TonF , $N_{tens,Rd}$:22.329TonF, $N_{buck,Rd}$:15.001TonF, >>> √

9.3.2. Kolonların Kirişlerden Daha Güçlü Olması Koşulu

*Mafsallı kirişlerin kapasitesi hesaba alınmamıştır

*Kolon kapasiteleri, tasarım kuvvetine göre azaltılmıştır

*Kiriş kapasiteleri, kesme kuvvetinin etkisiyle artırılmıştır

Tablo: Kolon-Kiriş Bölgeleri

Yön	Üst K	Alt K	Nüst[TonF]	Nalt	Mpc[TonF.m]	Kirişler	Mp[TonF.m]	Muv	Mpb	√
-Y	S2[914]	S2[914]	0.10225	0.26812	1.0183	Σ			0	√
						B29[1369]	0	0	0	
+X	S2[914]	S2[914]	0.10225	0.26812	1.0183	Σ			0	√
						B28[1372]	0	0	0	
-Y	S2[914]	S2[914]	0.066948	0.10225	1.0228	Σ			0	√
						B23[1384]	0	0	0	
+X	S2[914]	S2[914]	0.05201	0.066948	1.0239	Σ			0	√
						B24[1399]	0	0	0	

Güçlü kolon koşulu sağlanmıştır...√

Dışmerkezli bağ kirişi hesabı

Kolona bağlı dışmerkezli bağ kirişi bulunamadı

4.10. B2(16parça) tasarımı (Çelik Kiriş,IPE 500)

Tüm eleman için Güvenlik katsayısı **ζ: 2.56**

A	I_2	Wel_2	Wpl_2	i_2	I_3	Wel_3	Wpl_3
cm^2	cm^4	cm^3	cm^3	cm	cm^4	cm^3	cm^3
115.87	48380	1935.2	2202.1	20.433	2142.4	214.24	336.33

i_3	I_t	H	t_W	B	t_F	Malz	E(10^3)	σ_f
cm	cm^4	mm	mm	mm	mm	-	kgF/cm^2	kgF/cm^2
4.2999	72.3	500	10.2	200	16	S235	2039.4	2396.3

Tablo: Tasarım Birimini oluşturan parçalar

Eleman ismi	ID	Başlangıç[cm]	Bitiş	Uzunluk	Ters-Düz	Rijit Böl.
B2	32	170	200	30	Düz	-
B2	32	200	375	175	Düz	-
B2	32	375	465	90	Düz	-
B2	32	465	562.5	97.5	Düz	-
B2	32	562.5	750	187.5	Düz	-
B2	32	750	896.67	146.67	Düz	-
B2	32	896.67	937.5	40.833	Düz	-
B2	32	937.5	1125	187.5	Düz	-
B2	32	1125	1312.5	187.5	Düz	-
B2	32	1312.5	1343.3	30.833	Düz	-
B2	32	1343.3	1500	156.67	Düz	-
B2	32	1500	1687.5	187.5	Düz	-
B2	32	1687.5	1775	87.5	Düz	-
B2	32	1775	1875	100	Düz	-
B2	32	1875	2040	165	Düz	-
B2	32	2040	2070	30	Düz	-

Tasarım birimi yeri:1.7/5.75/6.1, toplam uzunluğu:19m, yönü:1/0/0 , DirProj:[1.7 / 20.7m]

Önceki tasarım birimi:B2

Sonraki tasarım birimi:B2

Brüt alan:11587, boşluklu alan:10883mm², bu eleman için tasarım noktaları yeri:

1.706, 1.85, 1.994, 2.005, 2.295, 2.585, 2.875, 3.165, 3.455, 3.745, 3.768, 3.984, 4.2, 4.416, 4.632, 4.6695, 4.9035, 5.1375, 5.3715, 5.6055, 5.63, 5.8964, 6.1629, 6.4293, 6.6957, 6.9621, 7.2286, 7.495, 7.505, 7.7963, 8.0877, 8.379, 8.6703, 8.9617, 8.9748, 9.1708, 9.3668, 9.38, 9.6464, 9.9129, 10.179, 10.446, 10.712, 10.979, 11.245, 11.255, 11.521, 11.788, 12.054, 12.321, 12.587, 12.854, 13.12, 13.131, 13.279, 13.427, 13.438, 13.698, 13.957, 14.217, 14.476, 14.736, 14.995, 15.005, 15.271, 15.538, 15.804, 16.071, 16.337, 16.604, 16.87, 16.892, 17.173, 17.452, 17.733, 17.77, 18.01, 18.25, 18.49, 18.73, 18.755, 19.028, 19.302, 19.575, 19.848, 20.122, 20.395, 20.406, 20.55, 20.694[m]

4.11. YDKT TASARIM GENEL

ϕ:0.38, Güvenlik katsayısı **ζ: 2.61**

4.12. Çekme kuvveti dayanımı(7.2)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ4

N: 0TonF, ϕ:0, Güvenlik katsayısı **ζ: 100**

Akma sınır durumu $T_n = F_y A_g$:249.91TonF

Kırılma sınır durumu $T_n = F_u A_e$:239.27TonF

4.13. Basınç kuvveti dayanımı (8.2)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ1

L_{b2} :19m, L_{b3} :3.3417m, N: -3.5634TonF, ϕ:0.02, Güvenlik katsayısı **ζ: 45.58**

$$P_n = F_{cr} \cdot A_g \qquad \frac{L_c}{i} \le 4.71\sqrt{\frac{E}{F_y}} \Longrightarrow F_{cr} = \left[0.658^{F_y/F_e}\right] F_y \qquad \frac{L_c}{i} > 4.71\sqrt{\frac{E}{F_y}} \Longrightarrow F_{cr} = 0.877 F_e \qquad \textbf{(8.1-3)}$$

A_g :115.87cm², F_{cr} :1557.5kgF/cm², P_n :180.48TonF

4.14. BURULMA ETKİSİNDEKİ ELEMANLAR(11.3)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ4

, T: 0TonF.m, ϕ:0, Güvenlik katsayısı **ζ: 100**

$$\varphi T_n : 0\text{TonF.m} \qquad \textbf{(11.4)}$$

4.15. Kesme Kuvveti Etkisi(10.1)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ3

V_2 :0.0013994TonF.m, V_3 :24.5TonF.m, ϕ:0.33, Güvenlik katsayısı **ζ: 2.99**

Karakteristik kesme kuvveti dayanımı V_{n2} :82.817TonF, V_{n3} :73.328TonF

4.16. Eğilme momenti etkisi(9.1)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ3

M_2 :-14.474TonF.m, M_3 :-0.0066324TonF.m, ϕ:0.38, Güvenlik katsayısı **ζ: 2.65**

Karakteristik eğilme momenti dayanımı M_{n2} :38.364TonF.m , M_{n3} :7.2537TonF.m, 2 ekseni göçme şekli LTB, 3 ekseni göçme şekli Y

4.17. Birleşik etkiler(11.1)

En olumsuz kombinasyon:s. 1,2G+1,6S+Δ4

P_r :-1.2104TonF, M_{r2} :14.473TonF.m, M_{r3} :0.015096TonF.m

P_c :145.97TonF, M_{c2} :38.364TonF.m, M_{c3} :7.2537TonF.m, ϕ:0.38, Güvenlik katsayısı **ζ: 2.61**

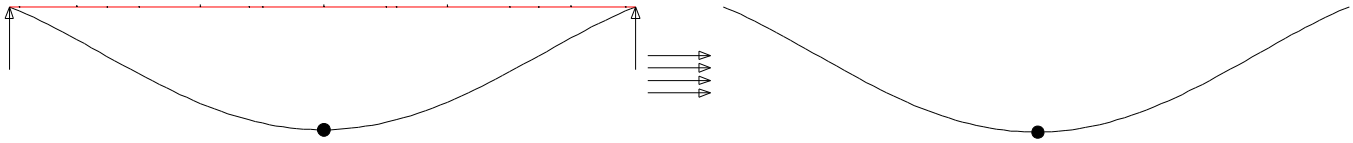
$$\frac{P_r}{P_c} \ge 0.2 \Longrightarrow \frac{P_r}{P_c} + \frac{8}{9}\left(\frac{M_{rx}}{M_{cx}} + \frac{M_{ry}}{M_{cy}}\right) \le 1 \qquad \frac{P_r}{P_c} < 0.2 \Longrightarrow \frac{P_r}{2P_c} + \frac{8}{9}\left(\frac{M_{rx}}{M_{cx}} + \frac{M_{ry}}{M_{cy}}\right) \le 1 \qquad \textbf{(11.1)}$$

$$\frac{P_r}{P_c} = 0 \qquad \frac{M_{rx,2}}{M_{cx,2}} = 0.38 \qquad \frac{M_{rx,3}}{M_{cx,3}} = 0 \Longrightarrow 0.38 \le 1 \qquad \varphi : 0.38, \text{Dayanım Yeterli } \surd$$

4.18. Kiriş Elastik Sehim Hesabı

Ölü yüklemede R_{sol} :12.307TonF, R_{sag} :12.313TonF

İki ucu mesnetli kirişe uygun sehim hesabı, sehimler iki uç arasından geçirilen doğruya göre hesaplandı.



Toplam sehim: 24.694mm ≤ İzin verilen sehim(L / 300 = 19000 / 300): 63.333mm >> uygun...√

Eleman üstündeki maksimum yerdeğiştirme: 25.173mm ≤ seçeneklerde izin verilen yerdeğiştirme: 250mm >> uygun...√

G + 0.5SN >>> Güvenlik katsayısı **ζ: 2.56** uygun...√

4.19. TDY2018 bilgileri

Dayanım fazlalığı katsayısı Dx:3 Dy:3 ; süneklilik katsayısı R_x :8, R_y :8

9.2.7. Enkesit Koşulları(Tablo 9.3)

Kesit rijit kısım narinliği λ_{Kes} :41.765, limit λ_{HD-Lim} :70.503

Kesit rijit olmayan kısım narinliği λ_{Kes} :6.25, limit λ_{HD-Lim} :8.7519 , Nmax: 3.6505TonF, Ca:0.01 ...√

9.2.8. Kirişlerde Stabilite Bağlantıları

$i_{y(minor)}$:42.999mm, E/Fy:851.06, L_{b-LIM} :3.1471m, L_b :1.875m ...√

5. Eğilme dayanımı(9.1)

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
S1[1]	-4.5333	-0.89918	13.902	6.6017	0.3261	√
S1[2]	-4.9963	-1.0662	13.902	6.6017	0.3594	√
S1[3]	-4.9879	-0.94093	13.902	6.6017	0.3588	√
S1[4]	-4.5382	-0.95582	13.902	6.6017	0.32645	√
S1[5]	4.7957	-1.1875	13.902	6.6017	0.34497	√
S1[6]	-4.5584	-0.94195	13.902	6.6017	0.3279	√
S1[16]	-4.564	0.94522	13.902	6.6017	0.32831	√
S1[17]	-4.539	0.8954	13.902	6.6017	0.32651	√
S1[27]	4.8082	1.1821	13.902	6.6017	0.34587	√
S1[28]	-5.0011	0.94154	13.902	6.6017	0.35975	√
S1[29]	-4.5439	0.95638	13.902	6.6017	0.32686	√
S1[30]	-5.01	1.0627	13.902	6.6017	0.36038	√
S2[914]	-0.084312	-0.028871	0.46194	0.46194	0.18252	√
S2[915]	-0.087589	-0.025107	0.46194	0.46194	0.18961	√
S2[916]	0.083486	-0.027288	0.46194	0.46194	0.18073	√
S2[917]	0.087541	-0.025068	0.46194	0.46194	0.18951	√
B1[7]	-0.95904	-0.00042319	1.9144	0.41583	0.50097	√
B1[8]	1.0898	-0.00020966	1.9144	0.41583	0.56929	√
B1[9]	-0.83644	-0.0061773	1.9144	0.41583	0.43692	√
B1[10]	-0.89452	1.2095E-05	1.9144	0.41583	0.46726	√
B1[11]	1.1711	-2.0933E-05	1.9144	0.41583	0.61175	√
B1[12]	-1.0297	-2.8135E-05	1.9144	0.41583	0.53786	√
B1[13]	-1.1235	0.00036766	1.9144	0.41583	0.58687	√
B1[14]	-0.97837	0.0076331	1.9144	0.41583	0.51106	√
B1[15]	1.276	0.00033855	1.9144	0.41583	0.66651	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
B1[18]	1.275	0.00034717	1.9144	0.41583	0.66601	√
B1[19]	-0.97746	0.0075945	1.9144	0.41583	0.51059	√
B1[20]	-1.1227	0.00037138	1.9144	0.41583	0.58644	√
B1[21]	-1.0297	-2.6775E-05	1.9144	0.41583	0.53789	√
B1[22]	1.1712	-2.0826E-05	1.9144	0.41583	0.61178	√
B1[23]	-0.89449	9.0419E-06	1.9144	0.41583	0.46725	√
B1[24]	-0.83714	-0.0061627	1.9144	0.41583	0.43729	√
B1[25]	1.0907	-0.00021077	1.9144	0.41583	0.56974	√
B1[26]	-0.95979	-0.00042073	1.9144	0.41583	0.50136	√
B2[31]	16.491	-0.024466	26.043	7.2537	0.63324	√
B2[32]	-14.474	-0.0066324	38.364	7.2537	0.37729	√
B2[33]	14.124	0.029645	26.043	7.2537	0.54236	√
B7[36]	-0.53064	0.0045567	1.0608	0.96533	0.50025	√
B3[37]	-0.49324	-0.016967	1.3753	0.96533	0.35864	√
B16[47]	0.029682	0.054294	0.63529	0.19794	0.2743	√
B5[48]	-0.031492	-0.059048	0.54625	0.19794	0.29832	√
B6[49]	0.084138	-0.055555	0.63742	0.19794	0.28067	√
B5[50]	-0.030066	0.058808	0.54625	0.19794	0.29711	√
MK17[53]	0.15244	0.078278	0.71947	0.19794	0.39547	√
MK17[56]	0.075864	0.065914	0.71947	0.19794	0.33301	√
MK17[58]	-0.073823	0.085874	0.71947	0.19794	0.43385	√
MK17[59]	0.055155	-0.02548	0.71947	0.19794	0.12873	√
MK17[61]	0.0033372	-0.027305	0.71947	0.19794	0.13795	√
MK17[62]	0.073312	-0.068084	0.71947	0.19794	0.34397	√
MK17[64]	-0.07363	-0.085268	0.71947	0.19794	0.43079	√
MK17[67]	-0.23414	-0.096901	0.71947	0.19794	0.48956	√
B4[68]	0.045774	-0.050743	0.70976	0.19794	0.25636	√
MK18[70]	0.05746	0.075831	0.71785	0.19794	0.38311	√
MK17[71]	0.047426	0.058367	0.71947	0.19794	0.29487	√
MK17[73]	0.055692	-0.074866	0.71947	0.19794	0.37823	√
MK29[75]	0.46644	-0.0049978	0.55839	0.41583	0.83532	√
MK19[76]	0.3613	-0.0026414	0.46828	0.41583	0.77154	√
MK20[77]	0.30513	0.00098837	0.55839	0.41583	0.54644	√
MK21[78]	0.35692	0.0027586	0.46828	0.41583	0.7622	√
MK17[54]	-0.23238	0.096054	0.71947	0.19794	0.48528	√
MK30[79]	0.45174	0.0050154	0.55839	0.41583	0.80899	√
MK28[81]	0.092726	-0.0088719	0.71623	0.19794	0.12946	√
MK28[87]	0.092634	0.0076382	0.71623	0.19794	0.12933	√
MK28[88]	-0.085241	-0.0050381	0.71623	0.19794	0.11901	√
MK28[94]	-0.085279	0.004925	0.71623	0.19794	0.11907	√
MK28[95]	0.010635	-0.0061223	0.71623	0.19794	0.030931	√
MK28[101]	0.011015	0.0061724	0.71623	0.19794	0.031184	√
MK28[102]	0.035766	-0.037484	0.71623	0.19794	0.18937	√
MK28[108]	0.036685	0.037491	0.71623	0.19794	0.18941	√
MK28[109]	-0.049129	-0.0176	0.71623	0.19794	0.088918	√
MK28[115]	-0.049652	0.01761	0.71623	0.19794	0.088969	√
MK28[116]	0.017923	-0.0085779	0.71623	0.19794	0.043337	√
MK28[122]	0.018853	0.0086648	0.71623	0.19794	0.043776	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
MK28[123]	0.017087	-0.028993	0.71623	0.19794	0.14647	√
MK28[129]	0.052459	0.01623	0.71623	0.19794	0.081994	√
MK7[138]	0.2501	0.0070739	0.85613	0.19794	0.29213	√
MK14[140]	-0.14934	0.0027872	0.85613	0.19794	0.17443	√
MK22[142]	-0.044998	-0.00093978	0.85613	0.19794	0.05256	√
MK12[144]	0.08135	0.03779	0.85489	0.19794	0.19092	√
MK11[146]	-0.10761	0.0030017	0.84614	0.19794	0.12717	√
MK10[148]	-0.06054	0.00025814	0.83739	0.19794	0.072296	√
MK9[150]	0.11115	0.0086883	0.82864	0.19794	0.13413	√
MK8[152]	-0.42728	0.0056735	0.81901	0.19794	0.5217	√
MK7[153]	0.1428	0.0065708	0.85613	0.19794	0.1668	√
MK14[155]	-0.13655	0.0021172	0.85613	0.19794	0.1595	√
MK22[157]	0.059274	-0.00036485	0.85613	0.19794	0.069235	√
MK12[159]	0.093412	0.037073	0.85489	0.19794	0.1873	√
MK11[161]	-0.10382	0.0031847	0.84614	0.19794	0.1227	√
MK10[163]	0.060097	0.00031146	0.83739	0.19794	0.071767	√
MK9[165]	0.1309	0.0064807	0.82864	0.19794	0.15796	√
MK8[167]	-0.21633	0.0020873	0.81901	0.19794	0.26414	√
MK15[169]	-0.11782	0.0033907	0.81026	0.19794	0.14542	√
MK7[170]	0.097992	0.015796	0.85613	0.19794	0.11446	√
MK14[172]	-0.1499	-2.741E-05	0.85613	0.19794	0.1751	√
MK13[174]	0.066243	-0.00048553	0.85613	0.19794	0.077375	√
MK12[176]	0.082225	-0.033989	0.85489	0.19794	0.17171	√
MK11[178]	-0.063151	0.01545	0.84614	0.19794	0.078057	√
MK10[180]	0.053719	-2.587E-06	0.83739	0.19794	0.064151	√
MK9[182]	0.12722	-0.00010365	0.82864	0.19794	0.15352	√
MK8[184]	-0.19528	-4.9802E-07	0.81901	0.19794	0.23843	√
MK15[186]	-0.10326	0.00065451	0.81026	0.19794	0.12744	√
MK7[187]	0.13879	-0.0067323	0.85613	0.19794	0.16212	√
MK14[189]	-0.13564	-0.0021786	0.85613	0.19794	0.15843	√
MK22[191]	0.060655	0.00035032	0.85613	0.19794	0.070848	√
MK12[193]	0.094206	-0.037136	0.85489	0.19794	0.18762	√
MK11[195]	-0.10295	-0.0033086	0.84614	0.19794	0.12167	√
MK10[197]	0.060851	-0.00032278	0.83739	0.19794	0.072668	√
MK9[199]	0.13164	-0.0067503	0.82864	0.19794	0.15886	√
MK8[201]	-0.21437	-0.0021026	0.81901	0.19794	0.26174	√
MK15[203]	-0.11727	-0.0024445	0.81026	0.19794	0.14473	√
MK14[204]	-0.15299	-0.0029185	0.85613	0.19794	0.1787	√
MK22[206]	-0.045646	0.00093268	0.85613	0.19794	0.053316	√
MK12[208]	0.081946	-0.037936	0.85489	0.19794	0.19166	√
MK11[210]	-0.11057	-0.0030931	0.84614	0.19794	0.13068	√
MK10[212]	-0.059907	-0.00027836	0.83739	0.19794	0.071541	√
MK9[214]	0.11142	-0.0091398	0.82864	0.19794	0.13446	√
MK8[216]	-0.43221	-0.0057754	0.81901	0.19794	0.52772	√
MK24[425]	-0.031256	0.14521	4.7797	0.96533	0.15042	√
MK2[426]	-0.22859	0.0099336	3.6001	0.96533	0.063496	√
MK2[427]	-0.20758	0.004034	3.6001	0.96533	0.05766	√
MK3[428]	-0.0831	0.24369	4.7735	0.96533	0.25245	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
MK24[429]	-0.13341	0.20173	4.7797	0.96533	0.20897	√
MK2[430]	-0.41831	-0.0025802	3.6001	0.96533	0.1162	√
MK2[431]	-0.35331	-0.0015844	3.6001	0.96533	0.098139	√
MK23[432]	-0.18257	0.16487	4.228	0.96533	0.17079	√
B10[433]	0.010932	0.23203	4.7797	0.96533	0.24036	√
B9[434]	-0.033118	-0.0043564	3.6001	0.96533	0.0091993	√
B9[435]	-0.033126	-0.0044035	3.6001	0.96533	0.0092014	√
B8[436]	-0.020375	0.26109	4.4506	0.96533	0.27047	√
MK24[437]	-0.071336	0.065878	4.7797	0.96533	0.068244	√
MK2[438]	-0.40437	-0.0017725	3.6001	0.96533	0.11232	√
MK2[439]	-0.36246	-0.001413	3.6001	0.96533	0.10068	√
MK6[440]	-0.41233	-5.2395E-05	3.8885	0.96533	0.10604	√
B10[441]	-0.0026981	0.10296	4.7797	0.96533	0.10666	√
B9[442]	-0.033072	-0.0047051	3.6001	0.96533	0.0091865	√
B9[443]	-0.033072	0.0048973	3.6001	0.96533	0.0091863	√
B14[444]	-0.00041658	0.099325	4.0297	0.96533	0.10289	√
B10[445]	-0.0098979	0.060638	4.7797	0.96533	0.062816	√
B9[446]	-0.033757	-0.0047461	3.6001	0.96533	0.0093767	√
B9[447]	-0.033043	0.004942	3.6001	0.96533	0.0091785	√
B13[448]	0.02026	0.065974	3.8036	0.96533	0.068344	√
MK24[449]	-0.30323	-4.1616E-05	4.7797	0.96533	0.063442	√
MK2[450]	-0.41453	4.56E-06	3.6001	0.96533	0.11514	√
MK2[451]	-0.36753	2.89E-05	3.6001	0.96533	0.10209	√
MK25[452]	-0.39738	8.5847E-05	3.7743	0.96533	0.10528	√
B10[453]	-0.0096353	-0.061346	4.7797	0.96533	0.063549	√
B9[454]	-0.033795	0.0047468	3.6001	0.96533	0.0093872	√
B9[455]	-0.033041	-0.0049424	3.6001	0.96533	0.0091777	√
B15[456]	0.019862	-0.066169	3.8006	0.96533	0.068545	√
MK24[457]	-0.070075	-0.066364	4.7797	0.96533	0.068747	√
MK2[458]	-0.4042	0.0017727	3.6001	0.96533	0.11227	√
MK2[459]	-0.36265	0.0014705	3.6001	0.96533	0.10073	√
MK5[460]	-0.39443	0.0001658	3.8826	0.96533	0.10159	√
B10[461]	-0.0027976	-0.10042	4.7797	0.96533	0.10403	√
B9[462]	-0.033086	0.0047066	3.6001	0.96533	0.0091904	√
B9[463]	-0.033076	0.0048969	3.6001	0.96533	0.0091875	√
B12[464]	0.00029146	-0.097892	4.0208	0.96533	0.10141	√
MK24[465]	-0.13703	-0.19756	4.7797	0.96533	0.20466	√
MK2[466]	-0.42663	0.0027083	3.6001	0.96533	0.11851	√
MK2[467]	-0.35888	0.0018834	3.6001	0.96533	0.099686	√
MK4[468]	-0.18443	-0.16006	4.216	0.96533	0.16581	√
B10[469]	0.011702	-0.23178	4.7797	0.96533	0.2401	√
B9[470]	-0.033118	0.0043561	3.6001	0.96533	0.0091993	√
B9[471]	-0.033125	0.0044034	3.6001	0.96533	0.0092013	√
B11[472]	-0.01972	-0.26105	4.4506	0.96533	0.27043	√
MK24[473]	-0.030229	-0.14661	4.7797	0.96533	0.15188	√
MK2[474]	-0.23008	-0.0098273	3.6001	0.96533	0.063911	√
MK2[475]	-0.2135	-0.0041363	3.6001	0.96533	0.059304	√
MK1[476]	-0.083692	-0.24534	4.7735	0.96533	0.25415	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
A3[321]	-0.16774	-0.0089933	0.7476	0.29004	0.22437	√
A3[322]	-0.31389	-0.016897	0.7476	0.29004	0.41987	√
A3[323]	-0.34734	-0.018705	0.7476	0.29004	0.46461	√
A3[324]	-0.35488	-0.018918	0.7476	0.29004	0.47469	√
A3[325]	-0.34754	-0.018635	0.7476	0.29004	0.46487	√
A3[326]	-0.33453	-0.017978	0.7476	0.29004	0.44746	√
A3[327]	-0.28423	-0.015266	0.7476	0.29004	0.38019	√
A7[328]	0.16242	0.0068066	0.74556	0.29004	0.21785	√
A1[329]	-0.16706	-0.0091153	0.74812	0.29004	0.22331	√
A1[330]	-0.31388	-0.016807	0.74812	0.29004	0.41956	√
A1[331]	-0.34301	-0.01839	0.74812	0.29004	0.4585	√
A1[332]	-0.35367	-0.018964	0.74812	0.29004	0.47274	√
A1[333]	-0.34255	-0.018392	0.74812	0.29004	0.45788	√
A1[334]	-0.3333	-0.017877	0.74812	0.29004	0.44552	√
A1[335]	-0.30661	-0.016428	0.74812	0.29004	0.40984	√
A4[336]	0.16402	0.010823	0.7476	0.29004	0.21939	√
A1[337]	-0.16179	-0.0088662	0.74812	0.29004	0.21626	√
A1[338]	-0.31305	-0.01682	0.74812	0.29004	0.41844	√
A1[339]	-0.34357	-0.018403	0.74812	0.29004	0.45925	√
A1[340]	-0.35311	-0.018945	0.74812	0.29004	0.472	√
A1[341]	-0.34576	-0.018481	0.74812	0.29004	0.46218	√
A1[342]	-0.33182	-0.01783	0.74812	0.29004	0.44354	√
A1[343]	-0.30644	-0.016424	0.74812	0.29004	0.40962	√
A1[344]	-0.14703	-0.0078735	0.74812	0.29004	0.19653	√
A1[345]	-0.17549	-0.0095367	0.74812	0.29004	0.23457	√
A1[346]	-0.31391	-0.016867	0.74812	0.29004	0.41959	√
A1[347]	-0.34436	-0.018414	0.74812	0.29004	0.46031	√
A1[348]	-0.35343	-0.018959	0.74812	0.29004	0.47243	√
A1[349]	-0.34706	-0.018518	0.74812	0.29004	0.4639	√
A1[350]	-0.33183	-0.017807	0.74812	0.29004	0.44355	√
A1[351]	-0.30526	-0.016421	0.74812	0.29004	0.40803	√
A1[352]	-0.14889	-0.0079463	0.74812	0.29004	0.19902	√
A1[353]	-0.1674	-0.0090227	0.74812	0.29004	0.22376	√
A1[354]	-0.31233	-0.016805	0.74812	0.29004	0.41749	√
A1[355]	-0.34184	-0.018361	0.74812	0.29004	0.45693	√
A1[356]	-0.3525	-0.018949	0.74812	0.29004	0.47118	√
A1[357]	-0.34106	-0.018378	0.74812	0.29004	0.45589	√
A1[358]	-0.33287	-0.017842	0.74812	0.29004	0.44494	√
A1[359]	-0.30833	-0.01646	0.74812	0.29004	0.41214	√
A5[360]	0.16076	0.010869	0.7476	0.29004	0.21503	√
A2[361]	-0.1599	-0.0084883	0.75799	0.29004	0.21096	√
A2[362]	-0.29726	-0.016077	0.75799	0.29004	0.39217	√
A2[363]	-0.33021	-0.017781	0.75799	0.29004	0.43564	√
A2[364]	-0.33741	-0.017961	0.75799	0.29004	0.44513	√
A2[365]	-0.33014	-0.017741	0.75799	0.29004	0.43555	√
A2[366]	-0.31876	-0.017068	0.75799	0.29004	0.42054	√
A2[367]	-0.26991	-0.014521	0.75799	0.29004	0.35609	√
A6[368]	0.15913	0.0062584	0.75591	0.29004	0.21051	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
MK26[542]	0.074743	-0.024622	1.4335	0.41583	0.059212	√
MK16[543]	0.021774	-0.025892	1.4335	0.41583	0.062265	√
MK16[544]	-0.016613	0.048462	1.7886	0.41583	0.11654	√
MK16[545]	0.0052589	-0.042205	1.7886	0.41583	0.10149	√
MK16[546]	-0.01136	-0.059117	1.7636	0.41583	0.14217	√
MK16[547]	-0.019495	-0.067608	1.8137	0.41583	0.16259	√
MK16[548]	-0.053232	-0.054939	1.8137	0.41583	0.13212	√
MK27[549]	0.23886	0.0037282	1.5463	0.41583	0.15447	√
MK26[550]	0.076125	0.027578	1.4335	0.41583	0.06632	√
MK16[551]	0.022566	0.028543	1.4335	0.41583	0.068642	√
MK16[552]	-0.017063	-0.048564	1.7886	0.41583	0.11679	√
MK16[553]	0.0048993	0.042068	1.7886	0.41583	0.10117	√
MK16[554]	-0.01117	0.059128	1.7636	0.41583	0.14219	√
MK16[555]	-0.022072	0.067644	1.8137	0.41583	0.16267	√
MK16[556]	-0.054024	0.054996	1.8137	0.41583	0.13226	√
MK27[557]	0.24705	-0.0036641	1.5463	0.41583	0.15976	√
B18[636]	-0.044885	-0.085154	0.71947	0.19794	0.43021	√
B18[637]	-0.013782	-0.089335	0.71947	0.19794	0.45133	√
B18[638]	0.0034297	-0.052522	0.71947	0.19794	0.26535	√
B18[639]	0.0026691	0.053131	0.71947	0.19794	0.26843	√
B18[640]	-0.014241	0.089054	0.71947	0.19794	0.44991	√
B18[641]	-0.046248	0.083762	0.71947	0.19794	0.42317	√
B18[642]	0.019803	-0.065728	0.71947	0.19794	0.33206	√
B18[643]	0.011488	-0.078482	0.71947	0.19794	0.3965	√
B18[644]	0.0032888	-0.037372	0.71947	0.19794	0.18881	√
B18[645]	0.0033784	0.034096	0.71947	0.19794	0.17226	√
B18[646]	0.011527	0.072687	0.71947	0.19794	0.36722	√
B17[647]	0.019969	0.058871	0.71785	0.19794	0.29742	√
B4[661]	0.15643	-0.078746	0.70166	0.19794	0.39784	√
MK7[700]	0.25619	-0.008373	0.85613	0.19794	0.29924	√
A9[805]	0.034692	0.041753	0.74451	0.29004	0.14396	√
A5[806]	-0.04294	0.0077266	0.7476	0.29004	0.057436	√
A4[807]	-0.043498	0.0077631	0.7476	0.29004	0.058184	√
A9[808]	0.03541	0.041284	0.74451	0.29004	0.14234	√
A8[809]	0.037487	0.029032	0.73935	0.29004	0.1001	√
A10[810]	0.035798	0.029678	0.74953	0.29004	0.10232	√
B28[1364]	0.027615	-0.0022717	0.54625	0.19794	0.050553	√
B22[942]	-4.1966E-06	-0.006851	0.52182	0.19794	0.034612	√
B22[943]	-0.011902	0.00045737	0.52182	0.19794	0.022809	√
B22[944]	-0.011852	-0.00020938	0.52182	0.19794	0.022713	√
B22[945]	-0.011904	-0.00045811	0.52182	0.19794	0.022813	√
B22[946]	-1.1278E-06	0.0069513	0.52182	0.19794	0.035119	√
B29[1369]	0.062201	-0.0015939	0.74591	0.19794	0.08339	√
B29[1371]	0.06827	-0.0019013	0.34007	0.19794	0.20075	√
B28[1372]	0.027676	-0.002239	0.54625	0.19794	0.050666	√
B19[1373]	0.021099	9.8245E-05	0.34373	0.19794	0.061383	√
B26[1374]	0.009275	-0.001107	0.52844	0.19794	0.017552	√
B20[1375]	0.0092214	-0.0011299	0.53492	0.19794	0.017239	√

Eleman	M2[TonF.m]	M3	M_{n2}	M_{n3}	ϕ	X/√
B27[1376]	0.018262	-9.0477E-05	0.34746	0.19794	0.052559	√
B21[1386]	-0.0088443	0.00029247	0.34963	0.25997	0.025296	√
B24[1388]	0.003372	-0.0010565	0.1252	0.1252	0.026932	√
B25[1389]	0.0020719	0.0012448	0.1252	0.1252	0.016549	√
B25[1391]	0.0026844	0.0011748	0.1252	0.1252	0.02144	√
B25[1393]	0.002893	-0.00041115	0.1252	0.1252	0.023106	√
B25[1395]	0.0026842	-0.0011647	0.1252	0.1252	0.021438	√
B25[1397]	0.0020713	-0.001235	0.1252	0.1252	0.016543	√
B24[1399]	0.0030448	0.00022245	0.1252	0.1252	0.024319	√
B23[1384]	0.025829	-0.0026077	0.35071	0.25997	0.073646	√
BR1[385]	0.074097	2.1424E-05	1.2065	1.2065	0.061416	√
BR4[386]	0.064803	0.0020414	1.2065	1.2065	0.053712	√
BR2[387]	0.039559	-1.2772E-05	1.2065	1.2065	0.032788	√
BR3[388]	0.10556	2.1739E-05	1.2065	1.2065	0.087498	√
BR5[389]	0.094253	0.00067642	1.2065	1.2065	0.078122	√
BR3[390]	0.027302	0.00059045	1.2065	1.2065	0.022629	√
BR2[391]	0.075404	3.7836E-05	1.2065	1.2065	0.062499	√
BR4[392]	0.066028	0.0045752	1.2065	1.2065	0.054728	√
BR1[393]	0.075531	-2.5108E-05	1.2065	1.2065	0.062604	√
BR1[394]	0.060176	2.4319E-05	1.2065	1.2065	0.049877	√
BR4[395]	0.08253	-0.0052541	1.2065	1.2065	0.068405	√
BR2[396]	0.053696	-1.3756E-05	1.2065	1.2065	0.044506	√
BR3[397]	0.038301	-0.00010998	1.2065	1.2065	0.031746	√
BR5[398]	0.088745	-0.002245	1.2065	1.2065	0.073557	√
BR3[399]	0.09636	-2.7039E-05	1.2065	1.2065	0.079869	√
BR2[400]	0.064555	1.4156E-05	1.2065	1.2065	0.053507	√
BR4[401]	0.041573	0.0067351	1.2065	1.2065	0.034458	√
BR1[402]	0.08973	-2.4302E-05	1.2065	1.2065	0.074373	√

6. Kesme Kuvveti Etkisi(10.1)

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
S1[1]	-0.73841	0.66343	77.641	25.88	0.025634	√
S1[2]	-0.86348	0.90099	77.641	25.88	0.034814	√
S1[3]	-0.81465	0.84543	77.641	25.88	0.032667	√
S1[4]	-0.82148	0.74488	77.641	25.88	0.028782	√
S1[5]	-0.98989	-0.91584	77.641	25.88	0.035387	√
S1[6]	-0.84175	0.83689	77.641	25.88	0.032337	√
S1[16]	0.84442	0.83662	77.641	25.88	0.032326	√
S1[17]	0.73567	0.66325	77.641	25.88	0.025628	√
S1[27]	0.98602	-0.91744	77.641	25.88	0.035449	√
S1[28]	0.81502	0.84689	77.641	25.88	0.032723	√
S1[29]	0.82183	0.74505	77.641	25.88	0.028788	√
S1[30]	0.86083	0.90275	77.641	25.88	0.034882	√
S2[914]	-0.05431	-0.20228	5.5418	5.5418	0.036501	√
S2[915]	0.0094846	-0.081462	5.5418	5.5418	0.0147	√
S2[916]	-0.054095	0.2022	5.5418	5.5418	0.036486	√
S2[917]	0.009946	0.081993	5.5418	5.5418	0.014795	√
B1[7]	0.0041422	-5.1694	13.036	9.4607	0.5464	√
B1[8]	-0.0034586	-5.8572	13.036	9.4607	0.61911	√
B1[9]	-0.010761	-4.3534	13.036	9.4607	0.46015	√
B1[10]	-4.7502E-05	-4.6548	13.036	9.4607	0.49201	√
B1[11]	-0.00011452	-6.286	13.036	9.4607	0.66443	√
B1[12]	0.00015144	-5.5479	13.036	9.4607	0.58641	√
B1[13]	-0.0044942	-6.0549	13.036	9.4607	0.64001	√
B1[14]	0.012536	-5.0918	13.036	9.4607	0.53821	√
B1[15]	0.0038538	-6.8579	13.036	9.4607	0.72488	√
B1[18]	-0.0038559	6.8528	13.036	9.4607	0.72434	√
B1[19]	-0.012551	5.0877	13.036	9.4607	0.53778	√
B1[20]	0.0045051	6.0505	13.036	9.4607	0.63954	√
B1[21]	-0.0001441	5.5482	13.036	9.4607	0.58645	√
B1[22]	0.00011383	6.2864	13.036	9.4607	0.66448	√
B1[23]	3.2741E-05	4.6552	13.036	9.4607	0.49205	√
B1[24]	0.010765	4.3575	13.036	9.4607	0.46059	√
B1[25]	0.0034635	5.8619	13.036	9.4607	0.6196	√
B1[26]	-0.0041366	5.1734	13.036	9.4607	0.54683	√
B2[31]	0.0826	26.677	82.817	73.328	0.3638	√
B2[32]	0.0013994	24.5	82.817	73.328	0.33412	√
B2[33]	-0.074356	22.71	82.817	73.328	0.3097	√
B7[36]	-0.0019713	0.25329	21.998	16.103	0.015729	√
B3[37]	0.023864	-0.27303	21.998	16.103	0.016955	√
B16[47]	-0.0017267	0.052149	8.1135	5.895	0.0088463	√
B5[48]	0.0185	0.069886	8.1135	5.895	0.011855	√
B6[49]	-0.03637	-0.075312	8.1135	5.895	0.012776	√
B5[50]	-0.018432	0.068397	8.1135	5.895	0.011603	√
MK17[53]	0.12033	-0.6299	8.1135	5.895	0.10685	√
MK17[56]	0.10061	-0.31451	8.1135	5.895	0.053353	√
MK17[58]	0.12783	0.1423	8.1135	5.895	0.024139	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
MK17[59]	0.051436	-0.23149	8.1135	5.895	0.039269	√
MK17[61]	0.034656	0.11301	8.1135	5.895	0.01917	√
MK17[62]	-0.098563	-0.30471	8.1135	5.895	0.051689	√
MK17[64]	-0.12665	0.14188	8.1135	5.895	0.024067	√
MK17[67]	-0.13778	0.45736	8.1135	5.895	0.077585	√
B4[68]	-0.065029	-0.15513	8.1135	5.895	0.026316	√
MK18[70]	-0.09058	0.22889	8.1135	5.895	0.038828	√
MK17[71]	0.079625	-0.16083	8.1135	5.895	0.027283	√
MK17[73]	0.090775	0.22595	8.1135	5.895	0.038329	√
MK29[75]	-0.00327	-0.93753	13.036	9.4607	0.099097	√
MK19[76]	0.0063548	0.92017	13.036	9.4607	0.097262	√
MK20[77]	0.0001728	0.93294	13.036	9.4607	0.098612	√
MK21[78]	-0.0061811	0.91891	13.036	9.4607	0.097129	√
MK17[54]	0.13693	0.45467	8.1135	5.895	0.077129	√
MK30[79]	0.0037198	-0.92925	13.036	9.4607	0.098222	√
MK28[81]	-0.024958	-0.22613	8.1135	5.895	0.03836	√
MK28[87]	0.028148	-0.22511	8.1135	5.895	0.038186	√
MK28[88]	-0.014416	0.23631	8.1135	5.895	0.040087	√
MK28[94]	0.014298	0.23664	8.1135	5.895	0.040142	√
MK28[95]	0.0070176	0.050277	8.1135	5.895	0.0085287	√
MK28[101]	-0.0071401	0.048746	8.1135	5.895	0.0082691	√
MK28[102]	-0.057558	-0.077564	8.1135	5.895	0.013158	√
MK28[108]	0.057661	-0.07993	8.1135	5.895	0.013559	√
MK28[109]	-0.02471	0.11777	8.1135	5.895	0.019978	√
MK28[115]	0.024861	0.11846	8.1135	5.895	0.020095	√
MK28[116]	0.0037463	-0.082105	8.1135	5.895	0.013928	√
MK28[122]	-0.0036954	-0.084535	8.1135	5.895	0.01434	√
MK28[123]	0.0084521	0.064632	8.1135	5.895	0.010964	√
MK28[129]	-0.0083754	0.067185	8.1135	5.895	0.011397	√
MK7[138]	0.0112	-0.76844	8.1135	5.895	0.13035	√
MK14[140]	0.0052803	0.44926	8.1135	5.895	0.076211	√
MK22[142]	0.0026718	-0.15312	8.1135	5.895	0.025974	√
MK12[144]	0.056718	-0.20435	8.1135	5.895	0.034665	√
MK11[146]	0.0043583	0.27552	8.1135	5.895	0.046738	√
MK10[148]	-8.8111E-05	-0.15528	8.1135	5.895	0.02634	√
MK9[150]	0.012511	-0.10891	8.1135	5.895	0.018475	√
MK8[152]	0.0099026	0.92783	8.1135	5.895	0.15739	√
MK7[153]	0.0082602	-0.4008	8.1135	5.895	0.06799	√
MK14[155]	0.0039943	0.41728	8.1135	5.895	0.070785	√
MK22[157]	-0.0015742	-0.20113	8.1135	5.895	0.034119	√
MK12[159]	0.057092	-0.23676	8.1135	5.895	0.040163	√
MK11[161]	0.0038822	0.26394	8.1135	5.895	0.044773	√
MK10[163]	3.6155E-05	-0.15779	8.1135	5.895	0.026767	√
MK9[165]	0.0086503	-0.20078	8.1135	5.895	0.03406	√
MK8[167]	0.0032593	0.46203	8.1135	5.895	0.078376	√
MK15[169]	0.0065374	0.25025	8.1135	5.895	0.042451	√
MK7[170]	0.033799	-0.32104	8.1135	5.895	0.05446	√
MK14[172]	8.2528E-05	0.46846	8.1135	5.895	0.079467	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
MK13[174]	-0.001657	-0.21439	8.1135	5.895	0.036369	√
MK12[176]	-0.05277	-0.21217	8.1135	5.895	0.035992	√
MK11[178]	0.025339	0.16471	8.1135	5.895	0.02794	√
MK10[180]	-2.8568E-05	-0.14047	8.1135	5.895	0.023829	√
MK9[182]	7.8653E-05	-0.19775	8.1135	5.895	0.033546	√
MK8[184]	-1.2216E-05	0.41596	8.1135	5.895	0.070562	√
MK15[186]	-0.0027357	0.22026	8.1135	5.895	0.037365	√
MK7[187]	-0.0086685	-0.38736	8.1135	5.895	0.06571	√
MK14[189]	-0.0038315	0.41406	8.1135	5.895	0.070239	√
MK22[191]	0.0015959	-0.20546	8.1135	5.895	0.034853	√
MK12[193]	-0.057194	-0.23929	8.1135	5.895	0.040592	√
MK11[195]	-0.003901	0.26129	8.1135	5.895	0.044325	√
MK10[197]	-0.00011035	-0.15965	8.1135	5.895	0.027082	√
MK9[199]	-0.0085568	-0.20287	8.1135	5.895	0.034413	√
MK8[201]	-0.0032237	0.45776	8.1135	5.895	0.077652	√
MK15[203]	-0.0074464	0.24981	8.1135	5.895	0.042377	√
MK14[204]	-0.0052593	0.45998	8.1135	5.895	0.078029	√
MK22[206]	-0.002678	-0.15562	8.1135	5.895	0.026399	√
MK12[208]	-0.058171	-0.20571	8.1135	5.895	0.034896	√
MK11[210]	-0.0043561	0.28318	8.1135	5.895	0.048037	√
MK10[212]	2.2482E-05	-0.15353	8.1135	5.895	0.026044	√
MK9[214]	-0.012523	-0.1082	8.1135	5.895	0.018355	√
MK8[216]	-0.0098973	0.93857	8.1135	5.895	0.15921	√
MK24[425]	0.13404	0.40537	21.998	16.103	0.025173	√
MK2[426]	0.02209	0.69263	21.998	16.103	0.043011	√
MK2[427]	0.01993	1.0296	21.998	16.103	0.063939	√
MK3[428]	-0.20747	-0.087546	21.998	16.103	0.0094312	√
MK24[429]	0.16772	0.70124	21.998	16.103	0.043546	√
MK2[430]	-0.008979	1.1934	21.998	16.103	0.074107	√
MK2[431]	-0.0098664	1.7451	21.998	16.103	0.10837	√
MK23[432]	-0.077069	-0.42826	21.998	16.103	0.026594	√
B10[433]	0.19914	0.002192	21.998	16.103	0.0090526	√
B9[434]	-0.0046345	0.045307	21.998	16.103	0.0028135	√
B9[435]	0.0051018	-0.045336	21.998	16.103	0.0028153	√
B8[436]	-0.15805	-0.035848	21.998	16.103	0.0071846	√
MK24[437]	0.068448	0.47187	21.998	16.103	0.029303	√
MK2[438]	-0.0089581	1.216	21.998	16.103	0.075509	√
MK2[439]	-0.0078854	1.5267	21.998	16.103	0.094808	√
MK6[440]	4.1177E-05	-0.50608	21.998	16.103	0.031427	√
B10[441]	0.08867	0.013681	21.998	16.103	0.0040307	√
B9[442]	0.0049524	-0.045333	21.998	16.103	0.0028151	√
B9[443]	0.0051649	0.045361	21.998	16.103	0.0028169	√
B14[444]	-0.04579	-0.035527	21.998	16.103	0.0022062	√
B10[445]	0.05371	0.019787	21.998	16.103	0.0024415	√
B9[446]	-0.0050098	-0.045327	21.998	16.103	0.0028147	√
B9[447]	0.0052208	0.045359	21.998	16.103	0.0028167	√
B13[448]	-0.020503	0.048983	21.998	16.103	0.0030418	√
MK24[449]	0.00048983	0.95391	21.998	16.103	0.059237	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
MK2[450]	7.6552E-05	1.2182	21.998	16.103	0.075648	√
MK2[451]	-0.00096553	1.4852	21.998	16.103	0.092231	√
MK25[452]	-0.00010565	-0.49472	21.998	16.103	0.030722	√
B10[453]	-0.054314	0.019558	21.998	16.103	0.002469	√
B9[454]	0.0050094	-0.045326	21.998	16.103	0.0028147	√
B9[455]	-0.0052227	0.045364	21.998	16.103	0.002817	√
B15[456]	0.020429	0.048844	21.998	16.103	0.0030331	√
MK24[457]	-0.067976	0.46483	21.998	16.103	0.028866	√
MK2[458]	0.0089548	1.2169	21.998	16.103	0.075566	√
MK2[459]	0.007777	1.5266	21.998	16.103	0.094802	√
MK5[460]	-0.00018373	-0.50216	21.998	16.103	0.031184	√
B10[461]	-0.086498	0.013779	21.998	16.103	0.003932	√
B9[462]	-0.0049781	-0.045389	21.998	16.103	0.0028186	√
B9[463]	-0.005168	0.045357	21.998	16.103	0.0028166	√
B12[464]	0.03862	0.035821	21.998	16.103	0.0022245	√
MK24[465]	-0.16525	0.71484	21.998	16.103	0.044391	√
MK2[466]	0.0090001	1.2065	21.998	16.103	0.074921	√
MK2[467]	0.0095608	1.7597	21.998	16.103	0.10927	√
MK4[468]	0.075843	-0.43121	21.998	16.103	0.026778	√
B10[469]	-0.19893	0.0015291	21.998	16.103	0.0090428	√
B9[470]	0.0046341	0.045306	21.998	16.103	0.0028135	√
B9[471]	-0.0051079	-0.045341	21.998	16.103	0.0028156	√
B11[472]	0.15802	-0.035496	21.998	16.103	0.0071834	√
MK24[473]	-0.13659	0.40959	21.998	16.103	0.025435	√
MK2[474]	-0.022133	0.70726	21.998	16.103	0.04392	√
MK2[475]	-0.020435	1.0589	21.998	16.103	0.065757	√
MK1[476]	0.20887	-0.088016	21.998	16.103	0.0094948	√
A3[321]	0.0096201	-0.17943	10.999	7.7641	0.02311	√
A3[322]	0.018259	-0.33661	10.999	7.7641	0.043355	√
A3[323]	0.020076	-0.37001	10.999	7.7641	0.047656	√
A3[324]	0.020467	-0.38048	10.999	7.7641	0.049005	√
A3[325]	0.019956	-0.36976	10.999	7.7641	0.047624	√
A3[326]	0.01926	-0.35627	10.999	7.7641	0.045887	√
A3[327]	0.016489	-0.30515	10.999	7.7641	0.039303	√
A7[328]	-0.010762	0.20987	10.999	7.7641	0.027031	√
A1[329]	0.009578	-0.17822	10.999	7.7641	0.022954	√
A1[330]	0.018213	-0.33676	10.999	7.7641	0.043373	√
A1[331]	0.019912	-0.36805	10.999	7.7641	0.047403	√
A1[332]	0.020524	-0.37941	10.999	7.7641	0.048867	√
A1[333]	0.019828	-0.36715	10.999	7.7641	0.047288	√
A1[334]	0.019337	-0.35752	10.999	7.7641	0.046047	√
A1[335]	0.017794	-0.32908	10.999	7.7641	0.042384	√
A4[336]	0.011532	-0.20259	10.999	7.7641	0.026093	√
A1[337]	0.0092166	-0.1726	10.999	7.7641	0.02223	√
A1[338]	0.018224	-0.33568	10.999	7.7641	0.043234	√
A1[339]	0.019923	-0.36842	10.999	7.7641	0.047452	√
A1[340]	0.0205	-0.37863	10.999	7.7641	0.048767	√
A1[341]	0.019938	-0.37045	10.999	7.7641	0.047714	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
A1[342]	0.019304	-0.35584	10.999	7.7641	0.045831	√
A1[343]	0.017771	-0.32867	10.999	7.7641	0.042333	√
A1[344]	0.0085408	-0.15776	10.999	7.7641	0.02032	√
A1[345]	0.0098843	-0.18638	10.999	7.7641	0.024006	√
A1[346]	0.018245	-0.33642	10.999	7.7641	0.04333	√
A1[347]	0.019915	-0.36905	10.999	7.7641	0.047533	√
A1[348]	0.020503	-0.37877	10.999	7.7641	0.048785	√
A1[349]	0.019974	-0.37182	10.999	7.7641	0.047889	√
A1[350]	0.019276	-0.35571	10.999	7.7641	0.045814	√
A1[351]	0.01776	-0.32713	10.999	7.7641	0.042134	√
A1[352]	0.0085955	-0.15949	10.999	7.7641	0.020542	√
A1[353]	0.0095386	-0.17912	10.999	7.7641	0.02307	√
A1[354]	0.018165	-0.33464	10.999	7.7641	0.043101	√
A1[355]	0.019856	-0.36629	10.999	7.7641	0.047178	√
A1[356]	0.020492	-0.3777	10.999	7.7641	0.048646	√
A1[357]	0.019826	-0.36539	10.999	7.7641	0.047061	√
A1[358]	0.019296	-0.35664	10.999	7.7641	0.045935	√
A1[359]	0.017798	-0.33031	10.999	7.7641	0.042543	√
A5[360]	-0.011464	0.2002	10.999	7.7641	0.025786	√
A2[361]	-0.009407	0.17596	10.999	7.7641	0.022664	√
A2[362]	-0.017824	0.32728	10.999	7.7641	0.042153	√
A2[363]	0.019712	-0.36298	10.999	7.7641	0.046751	√
A2[364]	-0.019946	0.3714	10.999	7.7641	0.047836	√
A2[365]	0.019667	-0.3628	10.999	7.7641	0.046728	√
A2[366]	0.018914	-0.35034	10.999	7.7641	0.045124	√
A2[367]	-0.016099	0.29753	10.999	7.7641	0.038321	√
A6[368]	0.010402	-0.20594	10.999	7.7641	0.026525	√
MK26[542]	0.020959	0.18839	13.036	9.4607	0.019913	√
MK16[543]	-0.060656	-0.11252	13.036	9.4607	0.011893	√
MK16[544]	-0.060293	-0.10781	13.036	9.4607	0.011395	√
MK16[545]	-0.042439	0.20906	13.036	9.4607	0.022098	√
MK16[546]	0.042545	-0.057497	13.036	9.4607	0.0060774	√
MK16[547]	0.065984	-0.13323	13.036	9.4607	0.014082	√
MK16[548]	-0.049426	0.2703	13.036	9.4607	0.028571	√
MK27[549]	-0.022628	-0.49812	13.036	9.4607	0.052652	√
MK26[550]	-0.020714	0.19106	13.036	9.4607	0.020195	√
MK16[551]	0.064365	-0.11602	13.036	9.4607	0.012263	√
MK16[552]	0.061059	-0.10935	13.036	9.4607	0.011558	√
MK16[553]	0.042449	0.21364	13.036	9.4607	0.022582	√
MK16[554]	-0.042618	-0.057918	13.036	9.4607	0.0061219	√
MK16[555]	-0.066061	-0.13631	13.036	9.4607	0.014409	√
MK16[556]	0.049479	0.27652	13.036	9.4607	0.029229	√
MK27[557]	0.022947	-0.5132	13.036	9.4607	0.054246	√
B18[636]	-0.11462	0.041859	8.1135	5.895	0.014127	√
B18[637]	-0.11939	0.017573	8.1135	5.895	0.014715	√
B18[638]	-0.070056	0.00026355	8.1135	5.895	0.0086346	√
B18[639]	0.070867	0.00085068	8.1135	5.895	0.0087345	√
B18[640]	0.119	0.017987	8.1135	5.895	0.014667	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
B18[641]	0.1128	0.042595	8.1135	5.895	0.013902	√
B18[642]	-0.087491	-0.013371	8.1135	5.895	0.010783	√
B18[643]	-0.10486	-0.007672	8.1135	5.895	0.012924	√
B18[644]	-0.049929	-0.002232	8.1135	5.895	0.0061538	√
B18[645]	0.045529	-0.0022851	8.1135	5.895	0.0056115	√
B18[646]	0.097173	-0.0076155	8.1135	5.895	0.011977	√
B17[647]	0.078407	-0.012916	8.1135	5.895	0.0096638	√
B4[661]	-0.11605	-0.64621	8.1135	5.895	0.10962	√
MK7[700]	-0.011388	-0.78807	8.1135	5.895	0.13369	√
A9[805]	-0.019761	0.042117	10.999	7.7641	0.0054246	√
A5[806]	-0.0023067	-0.035349	10.999	7.7641	0.0045529	√
A4[807]	0.0023222	0.03558	10.999	7.7641	0.0045826	√
A9[808]	0.019543	-0.042636	10.999	7.7641	0.0054914	√
A8[809]	-0.0090413	0.03958	10.999	7.7641	0.0050978	√
A10[810]	0.0093689	-0.039042	10.999	7.7641	0.0050285	√
B28[1364]	-0.06823	-0.060785	8.1135	5.895	0.010311	√
B22[942]	0.096928	0.022079	8.1135	5.895	0.011947	√
B22[943]	0.061757	0.014262	8.1135	5.895	0.0076117	√
B22[944]	-0.017907	0.017223	8.1135	5.895	0.0029216	√
B22[945]	-0.061673	0.014266	8.1135	5.895	0.0076013	√
B22[946]	-0.098423	0.022066	8.1135	5.895	0.012131	√
B29[1369]	0.0033058	0.074918	8.1135	5.895	0.012709	√
B29[1371]	-0.0076015	-0.097994	8.1135	5.895	0.016623	√
B28[1372]	0.067786	0.060732	8.1135	5.895	0.010302	√
B19[1373]	0.00015768	-0.025399	8.1135	5.895	0.0043087	√
B26[1374]	-0.00086028	-0.017519	8.1135	5.895	0.0029718	√
B20[1375]	0.00088769	0.017464	8.1135	5.895	0.0029625	√
B27[1376]	8.915E-05	0.024804	8.1135	5.895	0.0042077	√
B21[1386]	0.011718	0.021739	3.135	5.5418	0.0039227	√
B24[1388]	0.0008541	0.0063443	2.2839	2.2839	0.0027778	√
B25[1389]	-0.0009646	0.0056372	2.2839	2.2839	0.0024683	√
B25[1391]	-0.00088752	0.006196	2.2839	2.2839	0.0027129	√
B25[1393]	0.00031373	0.0063789	2.2839	2.2839	0.002793	√
B25[1395]	0.00087924	0.0061957	2.2839	2.2839	0.0027128	√
B25[1397]	0.0009565	0.0056363	2.2839	2.2839	0.0024679	√
B24[1399]	-0.00011233	0.0059793	2.2839	2.2839	0.002618	√
B23[1384]	-0.0048969	-0.032832	3.135	5.5418	0.0059244	√
BR1[385]	-6.8647E-05	0.052937	10.364	10.364	0.0051078	√
BR4[386]	0.0037608	-0.044912	10.364	10.364	0.0043335	√
BR2[387]	1.7068E-06	-0.037008	10.364	10.364	0.0035708	√
BR3[388]	-2.6564E-05	0.066655	10.364	10.364	0.0064315	√
BR5[389]	0.00030472	-0.060497	10.364	10.364	0.0058373	√
BR3[390]	0.005316	-0.028078	10.364	10.364	0.0027092	√
BR2[391]	-0.00049809	0.047872	10.364	10.364	0.0046191	√
BR4[392]	0.0020116	-0.04852	10.364	10.364	0.0046817	√
BR1[393]	-7.3997E-05	-0.05356	10.364	10.364	0.005168	√
BR1[394]	-7.0593E-05	0.046513	10.364	10.364	0.004488	√
BR4[395]	0.0023023	0.055561	10.364	10.364	0.005361	√

Eleman	V2[TonF]	V3	V_{n2}	V_{n3}	ϕ	X/√
BR2[396]	-1.6915E-07	-0.04353	10.364	10.364	0.0042001	√
BR3[397]	0.0053634	0.030831	10.364	10.364	0.0029749	√
BR5[398]	0.00097222	0.058135	10.364	10.364	0.0056094	√
BR3[399]	-3.0285E-05	-0.062507	10.364	10.364	0.0060313	√
BR2[400]	2.6174E-06	0.048496	10.364	10.364	0.0046793	√
BR4[401]	0.003076	-0.037964	10.364	10.364	0.0036631	√
BR1[402]	-7.3575E-05	-0.060107	10.364	10.364	0.0057997	√

7. Birleşik etkiler(11.1)

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
S1[1]	-1.2818	4.5299	1.0809	0	0.326	0.164	0.49	√
S1[2]	-6.9291	4.9963	1.0804	0.03	0.359	0.164	0.55	√
S1[3]	-6.3239	4.9877	0.95589	0.02	0.359	0.145	0.53	√
S1[4]	0.93049	4.5375	0.95692	0	0.326	0.145	0.47	√
S1[5]	-9.3717	4.7915	1.2114	0.04	0.345	0.184	0.56	√
S1[6]	-0.128	4.2886	1.2121	0	0.308	0.184	0.49	√
S1[16]	-0.09286	4.2933	1.2066	0	0.309	0.183	0.49	√
S1[17]	-1.2784	4.5357	1.0773	0	0.326	0.163	0.49	√
S1[27]	-9.3904	4.804	1.206	0.04	0.346	0.183	0.56	√
S1[28]	-6.3172	5.001	0.95645	0.02	0.36	0.145	0.53	√
S1[29]	0.89047	4.5432	0.95748	0	0.327	0.145	0.47	√
S1[30]	-6.8893	5.0098	1.0768	0.03	0.36	0.163	0.55	√
S2[914]	-0.18401	0.084312	0.028871	0.01	0.183	0.062	0.26	√
S2[915]	-0.2152	0.086711	0.028052	0.02	0.188	0.061	0.26	√
S2[916]	-0.18409	0.082804	0.028832	0.01	0.179	0.062	0.25	√
S2[917]	-0.21434	0.086708	0.028023	0.01	0.188	0.061	0.26	√
B1[7]	0.010783	0.95772	0.0011139	0	0.5	0.003	0.5	√
B1[8]	0.029436	1.0898	0.00020966	0	0.569	0.001	0.57	√
B1[9]	-0.2789	0.83644	0.0061773	0	0.437	0.015	0.46	√
B1[10]	-0.3165	0.89452	1.2095E-05	0	0.467	0	0.47	√
B1[11]	0.038075	1.1711	2.0933E-05	0	0.612	0	0.61	√
B1[12]	0.010167	1.0297	2.8135E-05	0	0.538	0	0.54	√
B1[13]	0.014947	1.1218	0.0013	0	0.586	0.003	0.59	√
B1[14]	-0.33894	0.97837	0.0076331	0	0.511	0.018	0.53	√
B1[15]	0.03075	1.276	0.00033855	0	0.667	0.001	0.67	√
B1[18]	0.030408	1.275	0.00034717	0	0.666	0.001	0.67	√
B1[19]	-0.33772	0.97746	0.0075945	0	0.511	0.018	0.53	√
B1[20]	0.014906	1.121	0.0013004	0	0.586	0.003	0.59	√
B1[21]	0.010187	1.0297	2.6775E-05	0	0.538	0	0.54	√
B1[22]	0.037873	1.1712	2.0826E-05	0	0.612	0	0.61	√
B1[23]	-0.31581	0.89449	9.0419E-06	0	0.467	0	0.47	√
B1[24]	-0.27843	0.83714	0.0061627	0	0.437	0.015	0.46	√
B1[25]	0.0294	1.0907	0.00021077	0	0.57	0.001	0.57	√
B1[26]	0.010832	0.95846	0.0011143	0	0.501	0.003	0.5	√
B2[31]	-2.1972	16.491	0.024466	0.02	0.633	0.003	0.65	√
B2[32]	-1.2104	14.473	0.015096	0	0.377	0.002	0.38	√
B2[33]	-1.9036	14.124	0.029645	0.01	0.542	0.004	0.56	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
B7[36]	0.60286	0.53064	0.0045567	0.01	0.5	0.005	0.51	√
B3[37]	0.57534	0.49324	0.016967	0	0.359	0.018	0.38	√
B16[47]	0.012024	0.039468	0.054283	0	0.062	0.274	0.34	√
B5[48]	0.2083	0.031492	0.059048	0	0.058	0.298	0.36	√
B6[49]	-0.036213	0.084138	0.055555	0	0.132	0.281	0.42	√
B5[50]	0.20265	0.030526	0.058646	0	0.056	0.296	0.36	√
MK17[53]	0.23032	0.15244	0.078278	0.01	0.212	0.395	0.61	√
MK17[56]	0.036088	0.075864	0.065914	0	0.105	0.333	0.44	√
MK17[58]	0.061397	0.073823	0.085874	0	0.103	0.434	0.54	√
MK17[59]	0.031909	0.055312	0.025472	0	0.077	0.129	0.21	√
MK17[61]	0.021803	0.059366	0.025937	0	0.083	0.131	0.21	√
MK17[62]	0.040497	0.073312	0.068084	0	0.102	0.344	0.45	√
MK17[64]	0.05981	0.07363	0.085268	0	0.102	0.431	0.53	√
MK17[67]	0.12911	0.23414	0.096901	0	0.325	0.49	0.82	√
B4[68]	0.12065	0.045774	0.050743	0	0.064	0.256	0.32	√
MK18[70]	-0.012662	0.13549	0.072912	0	0.189	0.368	0.56	√
MK17[71]	0.098491	0.047426	0.058367	0	0.066	0.295	0.36	√
MK17[73]	-0.015448	0.1323	0.07244	0	0.184	0.366	0.55	√
MK29[75]	1.3435	0.46537	0.0066978	0.02	0.833	0.016	0.87	√
MK19[76]	0.72281	0.36119	0.0035731	0.01	0.771	0.009	0.79	√
MK20[77]	0.59197	0.30513	0.00098837	0.01	0.546	0.002	0.56	√
MK21[78]	0.73276	0.3568	0.0036293	0.01	0.762	0.009	0.78	√
MK17[54]	0.13351	0.23238	0.096054	0	0.323	0.485	0.81	√
MK30[79]	1.3296	0.45065	0.0065768	0.02	0.807	0.016	0.84	√
MK28[81]	-0.68835	0.092726	0.0088719	0.03	0.129	0.045	0.21	√
MK28[87]	-0.70248	0.092366	0.0086364	0.03	0.129	0.044	0.21	√
MK28[88]	-0.36327	0.084944	0.0053235	0.02	0.119	0.027	0.16	√
MK28[94]	-0.36484	0.084875	0.005215	0.02	0.119	0.026	0.16	√
MK28[95]	-0.0020463	0.013817	0.0056727	0	0.019	0.029	0.05	√
MK28[101]	-0.0024644	0.014509	0.0056772	0	0.02	0.029	0.05	√
MK28[102]	-0.28368	0.035766	0.037484	0.01	0.05	0.189	0.25	√
MK28[108]	-0.28887	0.036685	0.037491	0.01	0.051	0.189	0.25	√
MK28[109]	-0.15303	0.049361	0.0176	0.01	0.069	0.089	0.16	√
MK28[115]	-0.15596	0.049652	0.01761	0.01	0.069	0.089	0.17	√
MK28[116]	0.13372	0.027072	0.0056432	0	0.038	0.029	0.07	√
MK28[122]	0.020897	0.019199	0.0086516	0	0.027	0.044	0.07	√
MK28[123]	-1.078	0.050991	0.015776	0.05	0.071	0.08	0.2	√
MK28[129]	-1.1105	0.052459	0.01623	0.05	0.073	0.082	0.21	√
MK7[138]	-1.1637	0.25008	0.0080573	0.03	0.292	0.041	0.36	√
MK14[140]	-0.68238	0.14852	0.0032516	0.02	0.173	0.016	0.21	√
MK22[142]	0.019654	0.044998	0.00093978	0	0.053	0.005	0.06	√
MK12[144]	-0.4302	0.08135	0.03779	0.01	0.095	0.191	0.3	√
MK11[146]	-0.63774	0.10685	0.0038419	0.02	0.126	0.019	0.16	√
MK10[148]	0.15859	0.06054	0.00025814	0	0.072	0.001	0.08	√
MK9[150]	-1.7645	0.11082	0.010254	0.05	0.134	0.052	0.23	√
MK8[152]	-0.50318	0.42728	0.0056735	0.01	0.522	0.029	0.56	√
MK7[153]	-0.98072	0.1428	0.0065708	0.02	0.167	0.033	0.22	√
MK14[155]	-0.65341	0.13588	0.0026194	0.02	0.159	0.013	0.19	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
MK22[157]	0.010333	0.058146	0.00080158	0	0.068	0.004	0.07	√
MK12[159]	-0.45169	0.093412	0.037073	0.01	0.109	0.187	0.31	√
MK11[161]	-0.63534	0.10382	0.0031847	0.02	0.123	0.016	0.16	√
MK10[163]	0.015978	0.060097	0.00031146	0	0.072	0.002	0.07	√
MK9[165]	-1.4304	0.13019	0.0080665	0.04	0.157	0.041	0.24	√
MK8[167]	-0.42719	0.21607	0.0024261	0.01	0.264	0.012	0.29	√
MK15[169]	0.0014545	0.11251	0.0047654	0	0.139	0.024	0.16	√
MK7[170]	-0.42742	0.097992	0.015796	0.01	0.114	0.08	0.2	√
MK14[172]	-0.69627	0.14963	0.00060253	0.02	0.175	0.003	0.19	√
MK13[174]	0.04247	0.066242	0.00063358	0	0.077	0.003	0.08	√
MK12[176]	-0.48212	0.083423	0.033988	0.01	0.098	0.172	0.28	√
MK11[178]	-0.23978	0.063192	0.015445	0.01	0.075	0.078	0.16	√
MK10[180]	-0.0043808	0.053384	8.6727E-05	0	0.064	0	0.06	√
MK9[182]	-1.3813	0.12687	0.0015704	0.04	0.153	0.008	0.2	√
MK8[184]	-0.44244	0.19528	4.9802E-07	0.01	0.238	0	0.25	√
MK15[186]	-0.011674	0.099205	0.0024281	0	0.122	0.012	0.14	√
MK7[187]	-0.96804	0.13879	0.0067323	0.02	0.162	0.034	0.22	√
MK14[189]	-0.65431	0.13497	0.0027426	0.02	0.158	0.014	0.19	√
MK22[191]	0.010369	0.059295	0.00082764	0	0.069	0.004	0.07	√
MK12[193]	-0.45104	0.094206	0.037136	0.01	0.11	0.188	0.31	√
MK11[195]	-0.24403	0.054907	0.016623	0.01	0.065	0.084	0.16	√
MK10[197]	0.01529	0.060851	0.00032278	0	0.073	0.002	0.07	√
MK9[199]	-1.4283	0.13095	0.0082214	0.04	0.158	0.042	0.24	√
MK8[201]	-0.42489	0.21412	0.0024658	0.01	0.261	0.012	0.29	√
MK15[203]	0.0024204	0.11235	0.0047665	0	0.139	0.024	0.16	√
MK14[204]	-0.69658	0.15217	0.0034467	0.02	0.178	0.017	0.21	√
MK22[206]	0.021641	0.045646	0.00093268	0	0.053	0.005	0.06	√
MK12[208]	-0.43533	0.081946	0.037936	0.01	0.096	0.192	0.3	√
MK11[210]	-0.64819	0.10982	0.0040389	0.02	0.13	0.02	0.17	√
MK10[212]	0.15963	0.059907	0.00027836	0	0.072	0.001	0.08	√
MK9[214]	-1.7801	0.11108	0.010589	0.05	0.134	0.053	0.24	√
MK8[216]	-0.50671	0.43221	0.0057754	0.01	0.528	0.029	0.57	√
MK24[425]	0.060742	0.031256	0.14521	0	0.007	0.15	0.16	√
MK2[426]	-0.36582	0.22766	0.011156	0.01	0.063	0.012	0.08	√
MK2[427]	-0.18168	0.20722	0.0048198	0	0.058	0.005	0.07	√
MK3[428]	0.12838	0.0831	0.24369	0	0.017	0.252	0.27	√
MK24[429]	-0.48855	0.13341	0.20173	0	0.028	0.209	0.24	√
MK2[430]	-1.3096	0.4165	0.0043925	0.03	0.116	0.005	0.15	√
MK2[431]	-1.2962	0.35185	0.0040964	0.02	0.098	0.004	0.13	√
MK23[432]	-0.4326	0.192	0.16447	0.01	0.045	0.17	0.22	√
B10[433]	0.067316	0.010932	0.23203	0	0.002	0.24	0.24	√
B9[434]	-0.047901	0.033116	0.0046296	0	0.009	0.005	0.01	√
B9[435]	-0.052217	0.033125	0.0048149	0	0.009	0.005	0.02	√
B8[436]	0.031073	0.020375	0.26109	0	0.005	0.27	0.28	√
MK24[437]	-0.18897	0.071336	0.065878	0	0.015	0.068	0.08	√
MK2[438]	-0.61661	0.40394	0.0027425	0.01	0.112	0.003	0.13	√
MK2[439]	-0.68196	0.36096	0.0026314	0.01	0.1	0.003	0.12	√
MK6[440]	-0.87258	0.41142	0.0020382	0.01	0.106	0.002	0.12	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
B10[441]	-0.059516	0.0026981	0.10296	0	0.001	0.107	0.11	√
B9[442]	0.025976	0.03306	0.004706	0	0.009	0.005	0.01	√
B9[443]	0.034282	0.033067	0.0048978	0	0.009	0.005	0.01	√
B14[444]	-0.043644	0.00041658	0.099325	0	0	0.103	0.1	√
B10[445]	-0.040603	0.0098979	0.060638	0	0.002	0.063	0.07	√
B9[446]	0.16616	0.033731	0.0047446	0	0.009	0.005	0.02	√
B9[447]	0.18079	0.03303	0.0049425	0	0.009	0.005	0.02	√
B13[448]	-0.021238	0.020897	0.065853	0	0.005	0.068	0.07	√
MK24[449]	-0.66733	0.30323	4.1616E-05	0.01	0.063	0	0.07	√
MK2[450]	-0.65245	0.41407	0.00038228	0.01	0.115	0	0.13	√
MK2[451]	-0.68317	0.36753	2.89E-05	0.01	0.102	0	0.12	√
MK25[452]	-0.74328	0.39564	0.001409	0.01	0.105	0.001	0.12	√
B10[453]	-0.038642	0.0096353	0.061346	0	0.002	0.064	0.07	√
B9[454]	0.147	0.03377	0.0047446	0	0.009	0.005	0.02	√
B9[455]	0.16333	0.033024	0.0049426	0	0.009	0.005	0.02	√
B15[456]	-0.030159	0.020502	0.066041	0	0.005	0.068	0.07	√
MK24[457]	-0.18662	0.070075	0.066364	0	0.015	0.069	0.09	√
MK2[458]	-0.57655	0.40386	0.0027204	0.01	0.112	0.003	0.13	√
MK2[459]	-0.64878	0.36114	0.0026039	0.01	0.1	0.003	0.12	√
MK5[460]	-0.86448	0.39366	0.0021128	0.01	0.101	0.002	0.12	√
B10[461]	-0.060209	0.0027976	0.10042	0	0.001	0.104	0.11	√
B9[462]	0.023904	0.033059	0.0047076	0	0.009	0.005	0.01	√
B9[463]	0.028137	0.033065	0.0048995	0	0.009	0.005	0.01	√
B12[464]	-0.044669	0.00029146	0.097892	0	0	0.101	0.1	√
MK24[465]	-0.48482	0.13703	0.19756	0	0.029	0.205	0.24	√
MK2[466]	-1.3401	0.42485	0.0044377	0.03	0.118	0.005	0.15	√
MK2[467]	-1.3132	0.35815	0.0041429	0.03	0.099	0.004	0.13	√
MK4[468]	-0.42891	0.19386	0.15968	0.01	0.046	0.165	0.22	√
B10[469]	0.058709	0.011702	0.23178	0	0.002	0.24	0.24	√
B9[470]	-0.047051	0.033116	0.0046294	0	0.009	0.005	0.01	√
B9[471]	-0.056085	0.033124	0.0048145	0	0.009	0.005	0.02	√
B11[472]	0.035806	0.01972	0.26105	0	0.004	0.27	0.28	√
MK24[473]	0.06561	0.030229	0.14661	0	0.006	0.152	0.16	√
MK2[474]	-0.35754	0.22883	0.010959	0.01	0.064	0.011	0.08	√
MK2[475]	-0.18427	0.21314	0.0049229	0	0.059	0.005	0.07	√
MK1[476]	0.12874	0.083692	0.24534	0	0.018	0.254	0.27	√
A3[321]	-0.047754	0.16774	0.0090167	0.01	0.224	0.031	0.26	√
A3[322]	0.029811	0.31389	0.016897	0	0.42	0.058	0.48	√
A3[323]	0.031793	0.34734	0.018705	0	0.465	0.064	0.53	√
A3[324]	0.020541	0.35488	0.018918	0	0.475	0.065	0.54	√
A3[325]	-0.012564	0.34753	0.018604	0	0.465	0.064	0.53	√
A3[326]	0.014142	0.33453	0.017978	0	0.447	0.062	0.51	√
A3[327]	0.035699	0.28423	0.015266	0	0.38	0.053	0.43	√
A7[328]	0.026736	0.16178	0.007912	0	0.217	0.027	0.24	√
A1[329]	-0.087574	0.16705	0.00925	0.01	0.223	0.032	0.27	√
A1[330]	0.020744	0.31388	0.016807	0	0.42	0.058	0.48	√
A1[331]	0.030574	0.34301	0.01839	0	0.458	0.063	0.52	√
A1[332]	0.015858	0.35367	0.018964	0	0.473	0.065	0.54	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
A1[333]	-0.017006	0.34254	0.018458	0	0.458	0.064	0.52	√
A1[334]	0.0084508	0.3333	0.017877	0	0.446	0.062	0.51	√
A1[335]	0.04018	0.30661	0.016428	0	0.41	0.057	0.47	√
A4[336]	0.033126	0.16345	0.011805	0	0.219	0.041	0.26	√
A1[337]	-0.11215	0.16176	0.0092049	0.02	0.216	0.032	0.26	√
A1[338]	0.013127	0.31305	0.01682	0	0.418	0.058	0.48	√
A1[339]	0.029267	0.34357	0.018403	0	0.459	0.063	0.52	√
A1[340]	0.012359	0.35311	0.018945	0	0.472	0.065	0.54	√
A1[341]	-0.021911	0.34576	0.018564	0	0.462	0.064	0.53	√
A1[342]	-0.0043533	0.33182	0.01783	0	0.444	0.061	0.51	√
A1[343]	0.036614	0.30644	0.016424	0	0.41	0.057	0.47	√
A1[344]	0.038853	0.14703	0.0078735	0	0.197	0.027	0.22	√
A1[345]	-0.10441	0.17547	0.0098492	0.02	0.235	0.034	0.28	√
A1[346]	0.012405	0.31391	0.016867	0	0.42	0.058	0.48	√
A1[347]	0.028795	0.34436	0.018414	0	0.46	0.063	0.52	√
A1[348]	0.012279	0.35343	0.018959	0	0.472	0.065	0.54	√
A1[349]	-0.021824	0.34705	0.018599	0	0.464	0.064	0.53	√
A1[350]	-0.0043023	0.33183	0.017807	0	0.444	0.061	0.51	√
A1[351]	0.036626	0.30526	0.016421	0	0.408	0.057	0.47	√
A1[352]	0.038754	0.14889	0.0079463	0	0.199	0.027	0.23	√
A1[353]	-0.062739	0.16739	0.0091141	0.01	0.224	0.031	0.26	√
A1[354]	0.018367	0.31233	0.016805	0	0.417	0.058	0.48	√
A1[355]	0.029061	0.34184	0.018361	0	0.457	0.063	0.52	√
A1[356]	0.015632	0.3525	0.018949	0	0.471	0.065	0.54	√
A1[357]	-0.016738	0.34105	0.018443	0	0.456	0.064	0.52	√
A1[358]	0.0085036	0.33287	0.017842	0	0.445	0.062	0.51	√
A1[359]	0.039892	0.30833	0.01646	0	0.412	0.057	0.47	√
A5[360]	0.033359	0.16019	0.011853	0	0.214	0.041	0.26	√
A2[361]	-0.016254	0.1599	0.0084883	0	0.211	0.029	0.24	√
A2[362]	0.026239	0.29726	0.016077	0	0.392	0.055	0.45	√
A2[363]	0.029684	0.33021	0.017781	0	0.436	0.061	0.5	√
A2[364]	0.020214	0.33741	0.017961	0	0.445	0.062	0.51	√
A2[365]	-0.012371	0.33013	0.017713	0	0.436	0.061	0.5	√
A2[366]	0.014086	0.31876	0.017068	0	0.421	0.059	0.48	√
A2[367]	0.035211	0.26991	0.014521	0	0.356	0.05	0.41	√
A6[368]	0.027179	0.15848	0.0073451	0	0.21	0.025	0.24	√
MK26[542]	0.10657	0.074743	0.024622	0	0.052	0.059	0.11	√
MK16[543]	0.20488	0.028782	0.024294	0	0.02	0.058	0.08	√
MK16[544]	0.13737	0.017227	0.048293	0	0.01	0.116	0.13	√
MK16[545]	-0.03809	0.051775	0.036718	0	0.029	0.088	0.12	√
MK16[546]	-0.055542	0.01136	0.059117	0	0.006	0.142	0.15	√
MK16[547]	-0.072392	0.021551	0.067607	0	0.012	0.163	0.18	√
MK16[548]	-0.082538	0.061791	0.054562	0	0.034	0.131	0.17	√
MK27[549]	0.012933	0.23864	0.0046334	0	0.154	0.011	0.17	√
MK26[550]	0.1044	0.076125	0.027578	0	0.053	0.066	0.12	√
MK16[551]	0.20235	0.029727	0.026965	0	0.021	0.065	0.09	√
MK16[552]	0.13555	0.017788	0.048394	0	0.01	0.116	0.13	√
MK16[553]	-0.034598	0.052893	0.036709	0	0.03	0.088	0.12	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
MK16[554]	-0.056421	0.012724	0.058803	0	0.007	0.141	0.15	√
MK16[555]	-0.076943	0.022072	0.067644	0	0.012	0.163	0.18	√
MK16[556]	-0.088445	0.062836	0.054613	0	0.035	0.131	0.17	√
MK27[557]	0.0078323	0.24681	0.0046499	0	0.16	0.011	0.17	√
B18[636]	0.0045424	0.085777	0.07586	0	0.119	0.383	0.5	√
B18[637]	-0.019292	0.013782	0.089335	0	0.019	0.451	0.47	√
B18[638]	-0.026543	0.0042403	0.052375	0	0.006	0.265	0.27	√
B18[639]	-0.027333	0.0035657	0.052973	0	0.005	0.268	0.27	√
B18[640]	-0.020401	0.014241	0.089054	0	0.02	0.45	0.47	√
B18[641]	0.00486	0.086497	0.074967	0	0.12	0.379	0.5	√
B18[642]	-0.048015	0.019803	0.065728	0	0.028	0.332	0.36	√
B18[643]	-0.02806	0.011488	0.078482	0	0.016	0.396	0.41	√
B18[644]	-0.022173	0.0076538	0.037163	0	0.011	0.188	0.2	√
B18[645]	-0.02181	0.0082142	0.033827	0	0.011	0.171	0.18	√
B18[646]	-0.022409	0.011527	0.072687	0	0.016	0.367	0.38	√
B17[647]	-0.018515	0.019969	0.058871	0	0.028	0.297	0.33	√
B4[661]	0.24636	0.15643	0.078746	0.01	0.223	0.398	0.63	√
MK7[700]	-1.1847	0.25619	0.008373	0.03	0.299	0.042	0.37	√
A9[805]	-0.25442	0.0368	0.041456	0.04	0.049	0.143	0.23	√
A5[806]	-0.11356	0.03701	0.011889	0.02	0.05	0.041	0.11	√
A4[807]	-0.13839	0.037778	0.01194	0.02	0.051	0.041	0.11	√
A9[808]	-0.26808	0.037522	0.040977	0.04	0.05	0.141	0.23	√
A8[809]	0.17698	0.039903	0.028112	0	0.054	0.097	0.15	√
A10[810]	0.17051	0.037475	0.029669	0	0.05	0.102	0.16	√
B28[1364]	0.001723	0.027615	0.0022717	0	0.051	0.011	0.06	√
B22[942]	-0.0056507	4.1966E-06	0.006851	0	0	0.035	0.04	√
B22[943]	-0.0013669	0.0108	0.0012988	0	0.021	0.007	0.03	√
B22[944]	-0.0025696	0.011742	0.00029183	0	0.023	0.001	0.02	√
B22[945]	-0.0013722	0.010797	0.0012903	0	0.021	0.007	0.03	√
B22[946]	-0.0059556	1.1278E-06	0.0069513	0	0	0.035	0.04	√
B29[1369]	0.16899	0.06193	0.0017217	0	0.083	0.009	0.1	√
B29[1371]	0.086956	0.06827	0.0019013	0	0.201	0.01	0.21	√
B28[1372]	0.0016435	0.027676	0.002239	0	0.051	0.011	0.06	√
B19[1373]	-0.071805	0.021042	0.00013507	0.02	0.061	0.001	0.08	√
B26[1374]	-0.025582	0.009275	0.001107	0	0.018	0.006	0.03	√
B20[1375]	-0.025566	0.0092214	0.0011299	0	0.017	0.006	0.03	√
B27[1376]	-0.057431	0.018261	8.9079E-05	0.02	0.053	0	0.07	√
B21[1386]	-0.22603	0.00825	0.00041599	0.06	0.024	0.002	0.08	√
B24[1388]	-0.054626	0.002974	0.00046461	0.01	0.024	0.004	0.04	√
B25[1389]	-0.0053777	0.0019672	0.0015254	0	0.016	0.012	0.03	√
B25[1391]	0.00013284	0.0026844	0.0011748	0	0.021	0.009	0.03	√
B25[1393]	-0.0030716	0.0028928	0.00047936	0	0.023	0.004	0.03	√
B25[1395]	0.00010525	0.0026842	0.0011647	0	0.021	0.009	0.03	√
B25[1397]	-0.0053625	0.001967	0.0015163	0	0.016	0.012	0.03	√
B24[1399]	-0.055278	0.0029826	0.00048397	0.01	0.024	0.004	0.04	√
B23[1384]	-0.12615	0.025704	0.0027233	0.02	0.073	0.01	0.1	√
BR1[385]	-0.7165	0.073939	2.1412E-05	0.02	0.061	0	0.08	√
BR4[386]	1.0003	0.05774	0.0087598	0.02	0.048	0.007	0.07	√

Eleman	N[TonF]	M2[TonF.m]	M3	ϕ-P	ϕ-M2	ϕ-M3	ϕ	X/√
BR2[387]	-0.75417	0.039559	1.2772E-05	0.02	0.033	0	0.06	√
BR3[388]	-1.2803	0.10489	2.2208E-05	0.04	0.087	0	0.13	√
BR5[389]	-1.272	0.093397	0.001217	0.04	0.077	0.001	0.12	√
BR3[390]	-1.6634	0.027212	0.00075008	0.05	0.023	0.001	0.08	√
BR2[391]	0.9572	0.075404	3.7836E-05	0.01	0.062	0	0.08	√
BR4[392]	-0.72414	0.065853	0.0045459	0.02	0.055	0.004	0.08	√
BR1[393]	0.2347	0.075531	2.5108E-05	0	0.063	0	0.07	√
BR1[394]	0.21036	0.060176	2.4319E-05	0	0.05	0	0.05	√
BR4[395]	-0.76224	0.08253	0.0052541	0.02	0.068	0.004	0.1	√
BR2[396]	0.24145	0.053696	1.3756E-05	0	0.045	0	0.05	√
BR3[397]	-1.6758	0.038148	0.00027089	0.05	0.032	0	0.09	√
BR5[398]	-1.3106	0.088028	0.0026101	0.04	0.073	0.002	0.12	√
BR3[399]	-1.3044	0.095679	2.7394E-05	0.04	0.079	0	0.12	√
BR2[400]	-0.71351	0.064491	1.4211E-05	0.02	0.053	0	0.08	√
BR4[401]	0.28053	0.040382	0.0076627	0	0.033	0.006	0.04	√
BR1[402]	-0.80451	0.08973	2.4302E-05	0.02	0.074	0	0.1	√

8. SEHİM HESABI

Tip: Basit/Konsol veya Kren kirişi tasarımı

L[mm]: Çubuk uzunluğu

SehimMax[mm]: Maksimum sehim

SehimLim[mm]: İzin verilen sehim sınırı

MaxYerd[mm]: çubuk üstünde bulunan maksimum yerdeğiştirme, ayarlarda tanımlanmış olan 250mm değerinden az olmalı.

ζ: Sehim hesabı için güvenlik katsayısı

İsim	ID	Yükleme	Tip	L	SehimMax	SehimLim	MaxYerd	ζ	√/X
B2[31]	31	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.54209	100	√
B2[31]	31	G + 0.5SN	Basit	19000	27.43	L/300 = 63.333	27.975	2,31	√
B2[31]	31	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.54289	100	√
B2[32]	32	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.47725	100	√
B2[32]	32	G + 0.5SN	Basit	19000	24.694	L/300 = 63.333	25.173	2,56	√
B2[32]	32	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.47761	100	√
B2[33]	33	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.44164	100	√
B2[33]	33	G + 0.5SN	Basit	19000	22.253	L/300 = 63.333	22.696	2,85	√
B2[33]	33	G + 0.5SN	Konsol	1700	0.0056667	L/150 = 11.333	0.44152	100	√
B29[1369]	1369	G + Q	Basit	4000	0.77884	L/300 = 13.333	0.7965	17,12	√
B29[1371]	1371	G + Q	Basit	4000	1.008	L/300 = 13.333	1.0254	13,23	√
B7[36]	36	G + 0.5SN	Basit	3831.5	0.0042615	L/300 = 12.772	11.652	21,46	√
B7[36]	36	G + 0.5SN	Basit	3831.5	0.0042615	L/300 = 12.772	11.652	21,46	√
B7[36]	36	G + 0.5SN	Basit	3784	0.53848	L/300 = 12.613	26.043	9,6	√
B7[36]	36	G + 0.5SN	Basit	3784	0.53848	L/300 = 12.613	26.043	9,6	√
B7[36]	36	G + 0.5SN	Basit	3754.7	1.5474	L/300 = 12.516	32.321	7,73	√
B7[36]	36	G + 0.5SN	Basit	3754.7	1.5474	L/300 = 12.516	32.321	7,73	√
B7[36]	36	G + 0.5SN	Basit	3755.1	1.5353	L/300 = 12.517	32.32	7,74	√
B7[36]	36	G + 0.5SN	Basit	3755.1	1.5353	L/300 = 12.517	32.32	7,74	√
B7[36]	36	G + 0.5SN	Basit	3785.2	0.51069	L/300 = 12.617	25.709	9,72	√
B7[36]	36	G + 0.5SN	Basit	3785.2	0.51069	L/300 = 12.617	25.709	9,72	√
B7[36]	36	G + 0.5SN	Basit	3729.9	0.012433	L/300 = 12.433	11.163	22,4	√

İsim	ID	Yükleme	Tip	L	SehimMax	SehimLim	MaxYerd	ζ	√/X
B7[36]	36	G + 0.5SN	Basit	3729.9	0.012433	L/300 = 12.433	11.163	22,4	√
B3[37]	37	G + 0.5SN	Basit	3700	0.012333	L/300 = 12.333	6.9501	35,97	√
B3[37]	37	G + 0.5SN	Basit	3700	0.012333	L/300 = 12.333	6.9501	35,97	√
B3[37]	37	G + 0.5SN	Basit	3750	0.31142	L/300 = 12.5	17.488	14,3	√
B3[37]	37	G + 0.5SN	Basit	3750	0.31142	L/300 = 12.5	17.488	14,3	√
B3[37]	37	G + 0.5SN	Basit	3750	1.1367	L/300 = 12.5	22.033	11	√
B3[37]	37	G + 0.5SN	Basit	3750	1.1367	L/300 = 12.5	22.033	11	√
B3[37]	37	G + 0.5SN	Basit	3750	1.1288	L/300 = 12.5	22.033	11,07	√
B3[37]	37	G + 0.5SN	Basit	3750	1.1288	L/300 = 12.5	22.033	11,07	√
B3[37]	37	G + 0.5SN	Basit	3750	0.29552	L/300 = 12.5	17.257	14,49	√
B3[37]	37	G + 0.5SN	Basit	3750	0.29552	L/300 = 12.5	17.257	14,49	√
B3[37]	37	G + 0.5SN	Basit	3600	0.012	L/300 = 12	6.6043	37,85	√
B3[37]	37	G + 0.5SN	Basit	3600	0.012	L/300 = 12	6.6043	37,85	√
B16[47]	47	G + 0.5SN	Basit	2000	0.10943	L/300 = 6.6667	2.4768	60,92	√
B16[47]	47	G + 0.5SN	Basit	1750	0	L/300 = 5.8333	6.9558	35,94	√
B16[47]	47	G + 0.5SN	Basit	1875	0.049144	L/300 = 6.25	12.497	20	√
B16[47]	47	G + 0.5SN	Basit	1875	0.14938	L/300 = 6.25	17.478	14,3	√
B16[47]	47	G + 0.5SN	Basit	1875	0.24892	L/300 = 6.25	20.886	11,97	√
B16[47]	47	G + 0.5SN	Basit	1875	0.28559	L/300 = 6.25	22.019	11,35	√
B16[47]	47	G + 0.5SN	Basit	1875	0.28071	L/300 = 6.25	22.018	11,35	√
B16[47]	47	G + 0.5SN	Basit	1875	0.24794	L/300 = 6.25	20.763	12,04	√
B16[47]	47	G + 0.5SN	Basit	1875	0.14322	L/300 = 6.25	17.248	14,49	√
B16[47]	47	G + 0.5SN	Basit	1875	0.036758	L/300 = 6.25	12.191	20,51	√
B16[47]	47	G + 0.5SN	Basit	1650	0.0055	L/300 = 5.5	6.6102	37,82	√
B16[47]	47	G + 0.5SN	Basit	2000	0.0087892	L/300 = 6.6667	2.3639	100	√
B5[48]	48	G + 0.5SN	Konsol	1550	0.42189	L/150 = 10.333	0.25	24,49	√
B5[48]	48	SN	Basit	3000	0.067292	L/360 = 8.3333	0.25	100	√
B5[48]	48	SN	Basit	3000	0.067292	L/360 = 8.3333	0.25	100	√
B5[48]	48	SN	Basit	3000	0.067292	L/360 = 8.3333	0.25	100	√
B5[48]	48	G + 0.5SN	Basit	2000	0.060625	L/300 = 6.6667	0.25	100	√
B5[48]	48	G + 0.5SN	Basit	2000	0.060625	L/300 = 6.6667	0.25	100	√
B5[48]	48	Q	Basit	1000	0.0033333	L/360 = 2.7778	0.25	100	√
B5[48]	48	G + 0.5SN	Konsol	950	0.25276	L/150 = 6.3333	0.25	25,06	√
B6[49]	49	G + 0.5SN	Basit	3832.8	0.026264	L/300 = 12.776	11.665	21,43	√
B6[49]	49	G + 0.5SN	Basit	3832.8	0.026264	L/300 = 12.776	11.665	21,43	√
B6[49]	49	G + 0.5SN	Basit	1898.9	0.10137	L/300 = 6.3296	19.391	12,89	√
B6[49]	49	G + 0.5SN	Basit	1887.6	0.20206	L/300 = 6.2919	26.065	9,59	√
B6[49]	49	G + 0.5SN	Basit	3756.9	1.558	L/300 = 12.523	32.352	7,73	√
B6[49]	49	G + 0.5SN	Basit	3756.9	1.558	L/300 = 12.523	32.352	7,73	√
B6[49]	49	G + 0.5SN	Basit	3757.3	1.5457	L/300 = 12.524	32.35	7,73	√
B6[49]	49	G + 0.5SN	Basit	3757.3	1.5457	L/300 = 12.524	32.35	7,73	√
B6[49]	49	G + 0.5SN	Basit	1888.1	0.19605	L/300 = 6.2935	25.731	9,72	√
B6[49]	49	G + 0.5SN	Basit	1899.6	0.096769	L/300 = 6.332	18.95	13,19	√
B6[49]	49	G + 0.5SN	Basit	3731.1	0.0026607	L/300 = 12.437	11.175	22,37	√
B6[49]	49	G + 0.5SN	Basit	3731.1	0.0026607	L/300 = 12.437	11.175	22,37	√
B5[50]	50	G + 0.5SN	Konsol	1550	0.39448	L/150 = 10.333	0.25	26,2	√
B5[50]	50	SN	Basit	3000	0.065962	L/360 = 8.3333	0.25	100	√
B5[50]	50	SN	Basit	3000	0.065962	L/360 = 8.3333	0.25	100	√

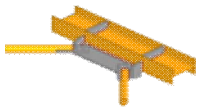
İsim	ID	Yükleme	Tip	L	SehimMax	SehimLim	MaxYerd	ζ	√/X
B5[50]	50	SN	Basit	3000	0.065962	L/360 = 8.3333	0.25	100	√
B5[50]	50	G + 0.5SN	Basit	2000	0.059602	L/300 = 6.6667	0.25	100	√
B5[50]	50	G + 0.5SN	Basit	2000	0.059602	L/300 = 6.6667	0.25	100	√
B5[50]	50	Q	Basit	1000	0.0033333	L/360 = 2.7778	0.25	100	√
B5[50]	50	G + 0.5SN	Konsol	950	0.25868	L/150 = 6.3333	0.25	24,48	√
B8[436]	436	G + 0.5SN	Basit	1660.8	0.014903	L/300 = 5.536	4.5502	54,94	√
B9[435]	435	G + Q	Basit	2929.8	0.057135	L/300 = 9.766	1.0886	100	√
B9[434]	434	G + Q	Basit	2929.8	0.05713	L/300 = 9.766	0.94268	100	√
B10[433]	433	G + 0.5SN	Konsol	1169.9	1.1018	L/150 = 7.7993	2.2879	7,08	√
B14[444]	444	G + 0.5SN	Basit	2288.8	0.023374	L/300 = 7.6292	18.816	13,29	√
B9[443]	443	G + 0.5SN	Basit	2929.8	0.057002	L/300 = 9.766	15.111	16,54	√
B9[442]	442	G + 0.5SN	Basit	2929.8	0.057011	L/300 = 9.766	13.53	18,48	√
B10[441]	441	G + 0.5SN	Basit	1169.9	0.0033989	L/300 = 3.8997	12.287	20,35	√
B13[448]	448	G + 0.5SN	Basit	2626.2	0.018489	L/300 = 8.7541	30.437	8,21	√
B9[447]	447	G + 0.5SN	Basit	2929.8	0.05694	L/300 = 9.766	26.283	9,51	√
B9[446]	446	G + 0.5SN	Basit	2929.8	0.056972	L/300 = 9.766	23.667	10,56	√
B10[445]	445	G + 0.5SN	Basit	1169.9	0.0031653	L/300 = 3.8997	21.375	11,7	√
B15[456]	456	G + 0.5SN	Basit	2630.6	0.018554	L/300 = 8.7688	30.616	8,17	√
B9[455]	455	G + 0.5SN	Basit	2929.8	0.05693	L/300 = 9.766	26.448	9,45	√
B9[454]	454	G + 0.5SN	Basit	2929.8	0.056967	L/300 = 9.766	23.818	10,5	√
B10[453]	453	G + 0.5SN	Basit	1169.9	0.0031497	L/300 = 3.8997	21.512	11,62	√
B12[464]	464	G + 0.5SN	Basit	2302.1	0.023599	L/300 = 7.6738	19.256	12,98	√
B9[463]	463	G + 0.5SN	Basit	2929.8	0.056995	L/300 = 9.766	15.509	16,12	√
B9[462]	462	G + 0.5SN	Basit	2929.8	0.05701	L/300 = 9.766	13.89	18	√
B10[461]	461	G + 0.5SN	Basit	1169.9	0.0034108	L/300 = 3.8997	12.617	19,81	√
B11[472]	472	G + 0.5SN	Basit	1660.8	0.014373	L/300 = 5.536	4.6376	53,91	√
B9[471]	471	G + Q	Basit	2929.8	0.057135	L/300 = 9.766	1.0876	100	√
B9[470]	470	G + Q	Basit	2929.8	0.05713	L/300 = 9.766	0.94264	100	√
B10[469]	469	G + 0.5SN	Konsol	1169.9	1.2042	L/150 = 7.7993	2.391	6,48	√
B28[1364]	1364	G + Q	Basit	2700	0.065639	L/300 = 9	0.082077	100	√
B22[942]	942	G + Q	Basit	2700.9	0.19109	L/300 = 9.003	0.56837	47,11	√
B22[943]	943	G + Q	Basit	2700.9	0.19051	L/300 = 9.003	0.96164	47,26	√
B22[944]	944	G + Q	Basit	2700.9	0.19141	L/300 = 9.003	1.1213	47,03	√
B22[945]	945	G + Q	Basit	2700.9	0.1905	L/300 = 9.003	0.96191	47,26	√
B22[946]	946	G + Q	Basit	2700.9	0.19103	L/300 = 9.003	0.56859	47,13	√
B28[1372]	1372	G + Q	Basit	2700	0.065581	L/300 = 9	0.082071	100	√
B19[1373]	1373	G + Q	Basit	3960	0.15535	L/300 = 13.2	0.17367	84,97	√
B26[1374]	1374	G + Q	Basit	2660	0.063673	L/300 = 8.8667	0.083428	100	√
B20[1375]	1375	G + Q	Basit	2620	0.061576	L/300 = 8.7333	0.082112	100	√
B27[1376]	1376	G + Q	Basit	3920	0.21416	L/300 = 13.067	0.23599	61,01	√
B21[1386]	1386	G + Q	Basit	633.33	0.0021111	L/300 = 2.1111	0.45972	100	√
B21[1386]	1386	G + Q	Basit	2733.3	0.58875	L/300 = 9.1111	1.0496	15,48	√
B21[1386]	1386	G + Q	Basit	2733.3	0.58875	L/300 = 9.1111	1.0496	15,48	√
B21[1386]	1386	G + Q	Basit	2733.3	0.58875	L/300 = 9.1111	1.0496	15,48	√
B21[1386]	1386	G + Q	Basit	2733.3	0.58875	L/300 = 9.1111	1.0496	15,48	√
B21[1386]	1386	G + Q	Basit	633.33	0	L/300 = 2.1111	0.46017	100	√
B24[1388]	1388	G + Q	Basit	2578.7	0.20205	L/300 = 8.5958	0.22145	42,54	√
B25[1389]	1389	G + Q	Basit	2581.2	0.34726	L/300 = 8.6041	0.75798	24,78	√

İsim	ID	Yükleme	Tip	L	SehimMax	SehimLim	MaxYerd	ζ	√/X
B25[1391]	1391	G + Q	Basit	2581.2	0.37961	L/300 = 8.6041	1.267	22,67	√
B25[1393]	1393	G + Q	Basit	2581.2	0.38817	L/300 = 8.6041	1.4788	22,17	√
B25[1395]	1395	G + Q	Basit	2581.2	0.37954	L/300 = 8.6041	1.2671	22,67	√
B25[1397]	1397	G + Q	Basit	2581.2	0.34712	L/300 = 8.6041	0.75807	24,79	√
B24[1399]	1399	G + Q	Basit	2578.7	0.2022	L/300 = 8.5958	0.22164	42,51	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
B23[1384]	1384	G + Q	Basit	4060	1.1114	L/300 = 13.533	1.1275	12,18	√
A2[361]	361	G + 0.5SN	Basit	3645	2.4682	L/300 = 12.15	6.5649	4,92	√
A1[353]	353	G + 0.5SN	Basit	3740	2.718	L/300 = 12.467	17.368	4,59	√
A1[345]	345	G + 0.5SN	Basit	3740	2.8278	L/300 = 12.467	23.022	4,41	√
A1[337]	337	G + 0.5SN	Basit	3740	2.6331	L/300 = 12.467	22.932	4,73	√
A1[329]	329	G + 0.5SN	Basit	3740	2.7108	L/300 = 12.467	17.599	4,6	√
A3[321]	321	G + 0.5SN	Basit	3745	2.732	L/300 = 12.483	6.9089	4,57	√
A3[322]	322	G + 0.5SN	Basit	3745	4.8225	L/300 = 12.483	7.8444	2,59	√
A1[330]	330	G + 0.5SN	Basit	3740	4.8088	L/300 = 12.467	18.705	2,59	√
A1[338]	338	G + 0.5SN	Basit	3740	4.7972	L/300 = 12.467	25.523	2,6	√
A1[346]	346	G + 0.5SN	Basit	3740	4.8095	L/300 = 12.467	25.44	2,59	√
A1[354]	354	G + 0.5SN	Basit	3740	4.7871	L/300 = 12.467	18.416	2,6	√
A2[362]	362	G + 0.5SN	Basit	3645	4.3257	L/300 = 12.15	7.2242	2,81	√
A3[323]	323	G + 0.5SN	Basit	3745	5.2993	L/300 = 12.483	8.4298	2,36	√
A1[331]	331	G + 0.5SN	Basit	3740	5.2235	L/300 = 12.467	19.763	2,39	√
A1[339]	339	G + 0.5SN	Basit	3740	5.2317	L/300 = 12.467	26.983	2,38	√
A1[347]	347	G + 0.5SN	Basit	3740	5.2428	L/300 = 12.467	26.894	2,38	√
A1[355]	355	G + 0.5SN	Basit	3740	5.2071	L/300 = 12.467	19.465	2,39	√
A2[363]	363	G + 0.5SN	Basit	3645	4.7701	L/300 = 12.15	7.7441	2,55	√
A3[324]	324	G + 0.5SN	Basit	3745	5.4062	L/300 = 12.483	8.5226	2,31	√
A1[332]	332	G + 0.5SN	Basit	3740	5.3751	L/300 = 12.467	20.407	2,32	√
A1[340]	340	G + 0.5SN	Basit	3740	5.3675	L/300 = 12.467	27.941	2,32	√
A1[348]	348	G + 0.5SN	Basit	3740	5.372	L/300 = 12.467	27.842	2,32	√
A1[356]	356	G + 0.5SN	Basit	3740	5.3587	L/300 = 12.467	20.098	2,33	√
A2[364]	364	G + 0.5SN	Basit	3645	4.8667	L/300 = 12.15	7.8258	2,5	√
A3[325]	325	G + 0.5SN	Basit	3745	5.3019	L/300 = 12.483	8.711	2,35	√
A1[333]	333	G + 0.5SN	Basit	3740	5.215	L/300 = 12.467	21.235	2,39	√
A1[341]	341	G + 0.5SN	Basit	3740	5.2594	L/300 = 12.467	29.051	2,37	√
A1[349]	349	G + 0.5SN	Basit	3740	5.2776	L/300 = 12.467	28.959	2,36	√
A1[357]	357	G + 0.5SN	Basit	3740	5.1942	L/300 = 12.467	20.919	2,4	√
A2[365]	365	G + 0.5SN	Basit	3645	4.7694	L/300 = 12.15	8.0446	2,55	√
A3[326]	326	G + 0.5SN	Basit	3745	5.1162	L/300 = 12.483	8.8167	2,44	√
A1[334]	334	G + 0.5SN	Basit	3740	5.0854	L/300 = 12.467	21.95	2,45	√
A1[342]	342	G + 0.5SN	Basit	3740	5.0655	L/300 = 12.467	29.896	2,46	√
A1[350]	350	G + 0.5SN	Basit	3740	5.0655	L/300 = 12.467	29.783	2,46	√
A1[358]	358	G + 0.5SN	Basit	3740	5.0792	L/300 = 12.467	21.629	2,45	√
A2[366]	366	G + 0.5SN	Basit	3645	4.615	L/300 = 12.15	8.1598	2,63	√
A3[327]	327	G + 0.5SN	Basit	3745	4.3976	L/300 = 12.483	9.0322	2,84	√

İsim	ID	Yükleme	Tip	L	SehimMax	SehimLim	MaxYerd	ζ	√/X
A1[335]	335	G + 0.5SN	Basit	3740	4.7059	L/300 = 12.467	22.907	2,65	√
A1[343]	343	G + 0.5SN	Basit	3740	4.7032	L/300 = 12.467	30.845	2,65	√
A1[351]	351	G + 0.5SN	Basit	3740	4.6866	L/300 = 12.467	30.713	2,66	√
A1[359]	359	G + 0.5SN	Basit	3740	4.73	L/300 = 12.467	22.594	2,64	√
A2[367]	367	G + 0.5SN	Basit	3645	3.9545	L/300 = 12.15	8.4677	3,07	√
A7[328]	328	G + 0.5SN	Basit	3764.6	1.0385	L/300 = 12.549	10.267	12,08	√
A4[336]	336	G + 0.5SN	Basit	3745	0.86383	L/300 = 12.483	24.199	10,33	√
A1[344]	344	G + 0.5SN	Basit	3740	2.4348	L/300 = 12.467	30.407	5,12	√
A1[352]	352	G + 0.5SN	Basit	3740	2.4613	L/300 = 12.467	30.363	5,07	√
A5[360]	360	G + 0.5SN	Basit	3745	0.88044	L/300 = 12.483	23.885	10,47	√
A6[368]	368	G + 0.5SN	Basit	3665	0.87311	L/300 = 12.217	9.8296	13,99	√
A10[810]	810	G + 0.5SN	Basit	3726.5	0.24969	L/300 = 12.422	10.773	23,21	√
A9[805]	805	G + 0.5SN	Basit	3774.8	0.55873	L/300 = 12.583	25.255	9,9	√
A5[806]	806	G + 0.5SN	Basit	3745	1.0885	L/300 = 12.483	31.617	7,91	√
A4[807]	807	G + 0.5SN	Basit	3745	1.1038	L/300 = 12.483	31.618	7,91	√
A9[808]	808	G + 0.5SN	Basit	3774.8	0.5811	L/300 = 12.583	25.576	9,77	√
A8[809]	809	G + 0.5SN	Basit	3824.5	0.29671	L/300 = 12.748	11.229	22,26	√

9. Birleşim Hesapları

9.1. CaprazConnection Hesapları



Kaynak/bulon konstriktif hata kısaltmaları:

A: Kaynak kalınlığı az

B: Kaynak kalınlığı fazla

C: Kaynak kalınlık/uzunluk oranı hatalı

D: Farklı bulonlar kullanılmış

E: Bulon aralıkları az

F: Bulon aralıkları fazla

G: Bulon kenara çok yakın veya dışarda

H: Birleşim vasıtası bulunmuyor

J: Hesap şablon dışı

Z: Diğer

F// ve F⊥[TonF]: Aktarma elemanına gelen eksenel ve dik kuvvetler

σ/τ[kgF/cm²]: (Varsa)Kaynak gerilmesi

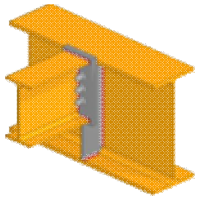
Bul-Kuv/Day[TonF]: (Varsa)Bulon tasarım kuvveti/dayanımı

√/X(KK): Kaynak konstriktif hatası

ζ: Güvenlik katsayısı

Frm	Cmb	F//	F⊥	σ//	τ⊥	Bul-Kuv	Bul-Day	√/X(KK)	ζ	√/X
BR4[392]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	0.76044	0.0021153	67.415	0.18753	0.19011	1.9461	√	10,24	√
BR5[389]	1.2G + 1.6SN + Imp	1.6014	0.00017019	141.97	0.015088	0.40035	1.9461	√	4,86	√
BR3[388]	1.2G + 1.6SN + Imp	-1.6085	0.0012046	142.6	0.10679	0.40214	1.9461	√	4,84	√
BR1[385]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	-0.76419	7.9901E-05	67.747	0.0070834	0.19105	1.9461	√	10,19	√
BR4[386]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	1.0614	0.0043563	94.092	0.3862	0.26534	1.9461	√	7,33	√
BR1[394]	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	1.0656	5.4837E-05	94.466	0.0048614	0.26639	1.9461	√	7,31	√
BR5[389]	1.2G + 1.6SN + Imp	-1.607	0.0032289	142.46	0.28625	0.40175	1.9461	√	4,84	√
BR3[397]	1.2G + 1.6SN + Imp	-1.6171	0.004496	143.36	0.39858	0.40427	1.9461	√	4,81	√
BR4[395]	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	-0.77187	0.0023509	68.428	0.20841	0.19297	1.9461	√	10,09	√
BR5[398]	1.2G + 1.6SN + Imp	-1.6284	0.00047217	144.36	0.041859	0.40709	1.9461	√	4,78	√
BR3[399]	1.2G + 1.6SN + Imp	1.6234	0.0016923	143.92	0.15002	0.40584	1.9461	√	4,8	√
BR1[402]	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	0.80451	7.3575E-05	71.322	0.0065226	0.20113	1.9461	√	9,68	√
BR4[401]	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	-1.0624	0.0044102	94.185	0.39098	0.2656	1.9461	√	7,33	√
BR1[393]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	-1.0929	4.7155E-05	96.89	0.0041804	0.27323	1.9461	√	7,12	√
BR3[390]	1.2G + 1.6SN + Imp	1.6169	0.0030667	143.35	0.27187	0.40423	1.9461	√	4,81	√
BR5[398]	1.2G + 1.6SN + Imp	1.6214	0.0028928	143.74	0.25645	0.40535	1.9461	√	4,8	√
BR1[393]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	1.0929	4.7155E-05	96.89	0.0041804	0.27323	1.9461	√	7,12	√
BR3[390]	1.2G + 1.6SN + Imp	-1.6136	0.00098819	143.05	0.087606	0.4034	1.9461	√	4,82	√
BR1[385]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	0.76419	7.9901E-05	67.748	0.0070835	0.19105	1.9461	√	10,19	√
BR1[394]	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	-1.0656	5.4837E-05	94.466	0.0048615	0.26639	1.9461	√	7,31	√
BR3[399]	1.2G + 1.6SN + Imp	-1.6205	0.00061471	143.66	0.054496	0.40513	1.9461	√	4,8	√
BR1[402]	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	-0.80451	7.3575E-05	71.322	0.0065226	0.20113	1.9461	√	9,68	√

9.2. BeamBeamStiffenerEndPlate Hesapları



N/V/M[TonF-TonF.m]: Tasarım kuvvetleri

ζbul/levh/pro: Bulon-levha-profil güvenlik katsayısı

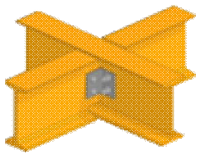
σ⊥-τ//-τ⊥[kgF/cm²]: Kaynak gerilmeleri

ζKay: Kaynak güvenlik katsayısı

Ana	Yan	Komb	N	V	M	ζbul	ζlevh	ζpro
ζ	σ⊥	τ//	τ⊥	ζKay	ζKayGov	Konst	√/X	
B7[36]	MK4[468]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	0.24726	0.16989	0.19372	6.41	7.92	14.78
6.41	786.4	0.022368	7.861	2.8	13.46 √	√	√	
B7[36]	B11[472]	0.9G + 0.3Ex - Ey - 0.3Ez	-0.0077759	-0.007772	0.0094829	2.74	3.29	6.41
2.74	1014	0.93704	0.58446	2.17	63.07 √	√	√	
B7[36]	B12[464]	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	0.049469	-0.034027	-0.00029314	6.9	8.13	16.04
6.9	388.01	0.19928	1.4775	5.67	74.82 √	√	√	
B7[36]	MK5[460]	1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	0.14753	0.067909	0.068063	15.55	22.74	35.63
15.55	340.64	0.054796	2.9464	6.46	31.34 √	√	√	
B7[36]	B15[456]	0.9G - Ex - 0.3Ey - 0.3Ez	-0.0086475	-0.024382	-0.0075033	11.92	14.88	27.74
11.92	280.84	0.12295	2.104	7.84	91.21 √	√	√	
B7[36]	MK25[452]	0.9G - Ex + 0.3Ey - 0.3Ez	0.058297	0.020347	0.028879	18.49	25.6	42.38
18.49	276.44	0.075649	1.4424	7.97	38.34 √	√	√	
B7[36]	B13[448]	0.9G + Ex - 0.3Ey - 0.3Ez	-0.00027239	-0.02412	-0.0069031	11.98	14.89	27.65
11.98	279.9	0.12478	2.1082	7.87	88.11 √	√	√	
B7[36]	MK6[440]	1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	0.14795	0.068544	0.068692	15.48	22.65	35.47
15.48	341.77	0.053204	2.9741	6.44	30.78 √	√	√	

Ana	Yan	Komb	N	V	M	ζbul	ζlevh	ζpro
ζ	σ⊥	τ//	τ⊥	ζKay	ζKayGov	Konst	√/X	
B7[36]	B14[444]	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	0.048662	-0.033573	0.00040881	6.81	8.03	15.83
6.81	393.45	0.2045	1.4579	5.59	76.15 √	√	√	
B7[36]	MK23[432]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	0.23706	0.16814	0.19185	6.29	7.79	14.53
6.29	803.15	0.029952	7.8532	2.74	13.35 √	√	√	
B7[36]	B8[436]	0.9G - 0.3Ex - Ey - 0.3Ez	-0.0032893	-0.0077647	0.0095021	2.74	3.29	6.41
2.74	1014.8	0.93117	0.56483	2.17	66.67 √	√	√	
B7[36]	MK3[428]	0.9G - 0.3Ex - Ey - 0.3Ez	-0.13575	0.024161	0.038488	3.32	4.21	8.09
3.32	1182.5	0.91641	0.027148	1.86	16.62 √	√	√	
B3[37]	MK24[425]	0.9G - 0.3Ex + Ey - 0.3Ez	-0.11656	0.02631	-0.0070702	4.79	5.8	11.61
4.79	607.59	0.756	1.9228	3.62	28.22 √	√	√	
B3[37]	B10[433]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	-0.067316	0.0274	0.010932	2.96	3.57	6.96
2.96	939.52	1.2059	1.1881	2.34	73.43 √	√	√	
B3[37]	MK24[429]	0.9G - 0.3Ex + Ey - 0.3Ez	0.28375	-0.071072	-0.063847	5.32	7.11	12.22
5.32	932.56	1.0527	5.7401	2.36	11.05 √	√	√	
B3[37]	B10[441]	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	0.059516	0.015911	-0.0026981	6.76	8.07	15.63
6.76	416.68	0.53295	0.68992	5.28	100 √	√	√	
B3[37]	MK24[437]	1.2G + 1.6SN + Imp	0.29761	0.043671	-0.11092	16.78	20.03	38.19
16.78	327.26	0.31616	2.0219	6.72	22.71 √	√	√	
B3[37]	B10[445]	0.9G + Ex + 0.3Ey - 0.3Ez	-0.010027	0.0094071	-0.00020911	13.62	16.05	31.89
13.62	252.04	0.30435	0.42513	8.73	88.44 √	√	√	
B3[37]	MK24[449]	1.2G + 1.6SN + Imp	0.28669	0.051421	-0.10662	16.65	19.5	37.83
16.65	265.8	0.21919	1.5825	8.28	23.35 √	√	√	
B3[37]	B10[453]	0.9G - Ex + 0.3Ey - 0.3Ez	-0.0088002	0.0092772	-0.00036781	13.41	15.83	31.33
13.41	254.57	0.30803	0.43509	8.64	93.9 √	√	√	
B3[37]	MK24[457]	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	0.18662	-0.045852	-0.070075	17.01	21.15	38.86
17.01	328.12	0.31912	1.9882	6.71	23.14 √	√	√	
B3[37]	B10[461]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	0.0576	0.016912	-0.0015086	6.93	8.22	16.03
6.93	406.63	0.51973	0.68567	5.41	100 √	√	√	
B3[37]	MK24[465]	0.9G + 0.3Ex + Ey - 0.3Ez	0.27428	-0.074294	-0.065568	5.49	7.36	12.6
5.49	918.49	1.0311	5.9922	2.4	10.73 √	√	√	
B3[37]	B10[469]	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	-0.058709	0.028063	0.011702	2.98	3.61	6.99
2.98	938.68	1.2045	1.2169	2.34	78.56 √	√	√	
B3[37]	MK24[473]	0.9G + 0.3Ex + Ey - 0.3Ez	-0.12004	0.02878	-0.0065507	4.72	5.69	11.43
4.72	612.66	0.75939	2.0812	3.59	28.24 √	√	√	
B7[36]	MK1[476]	0.9G + 0.3Ex - Ey - 0.3Ez	-0.13637	0.024544	0.03892	3.3	4.18	8.04
3.3	1181.2	0.91812	0.027458	1.86	16.45 √	√	√	

9.3. ConnectionAngelAngel Hesapları



#bul: Kirişe ve kolona bağlanan bulon sayısı

DBul[mm]: Kirişe bağlanan bulonun çapı

Eks[mm]: Kirişe bağlanan bulonların ağırlık merkezinin kolon yüzeyine uzaklığı

Σri²[mm²]: Polar ataler momenti

N-V-M[TonF-TonF.m]: Hesap kuvveti

Mg'[TonF.m-TonF.m]: Bulon ağırlık merkezinde moment Mg'=Mg±V.a

N1m[TonF]: Bir bulonda moment ile oluşan kuvvet

N1n[TonF]: Bir bulonda N ve V ile oluşan kuvvet

N1[TonF]: Bulonda toplam kuvvet

n: Bulon sayısı

d[mm]: Bulon çapı

k.y.: Kesme yüzeyi sayısı

A_t [cm²]: Makaslama alanı

A_b [cm²]: Ezilme alanı

V_1 [TonF]: Tek bulon kesme kuvveti

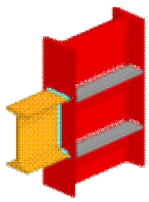
"√/X(KK)" ve "√/X(σ)" konstiktif olarak veya bulon gerilmesi açısından uygunluk

Kolon	Kiriş A	#bul	DBul	Eks	Σri²	N	V	M
Mg'	N1m.X	N1m.Y	N1n.X	N1n.Y	N1.X	N1.Y	Cmb	n
d	k.y.	A_t	A_b	V_1	ζAB2Emn	√/X(KK)	√/X(Bul)	
B2[31]	B11[472]	3	12	34	3200	0.045122	-0.071904	7.2046E-05
0.0024447	0.030559	0	0.015041	0.023968	0.0456	0.023968	1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez	6
12	1	0.79318	0.48	0.027006	72.06	√	√	
B2[31]	MK4[468]	3	12	34	3200	1.2993	-1.7498	-0.00011323
0.059493	0.74366	0	0.43312	0.58327	1.1768	0.58327	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.29202	6.66	√	√	
B2[31]	B9[463]	3	12	34	3200	-0.048904	-0.045207	3.406E-05
0.001537	0.019213	0	0.016301	0.015069	0.035514	0.015069	1.2G + Q + 0.2SN + Ex - 0.3Ey + 0.3Ez	6
12	1	0.79318	0.48	0.0095677	100	√	√	
B2[31]	MK5[460]	3	12	34	3200	0.76902	-1.5242	-0.00019792
0.051823	0.64779	0	0.25634	0.50807	0.90413	0.50807	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.25404	7.66	√	√	
B2[31]	B15[456]	3	12	34	3200	-0.22281	-0.03964	-0.0002291
0.0013478	0.016847	0	0.074269	0.013213	0.091116	0.013213	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0066067	87.35	√	√	
B2[31]	MK25[452]	3	12	34	3200	0.72814	-1.4828	-0.0002005
0.050415	0.63019	0	0.24271	0.49427	0.8729	0.49427	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.24713	7.87	√	√	
B2[31]	B13[448]	3	12	34	3200	-0.24696	-0.03964	-0.00022268
0.0013478	0.016847	0	0.082321	0.013213	0.099168	0.013213	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0066067	78.8	√	√	
B2[31]	MK6[440]	3	12	34	3200	0.79258	-1.5243	-0.00019058
0.051826	0.64782	0	0.26419	0.5081	0.91202	0.5081	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.25405	7.66	√	√	
B2[31]	B14[444]	3	12	34	3200	-0.059801	-0.045238	-1.3447E-05
0.0015381	0.019226	0	0.019934	0.015079	0.03916	0.015079	1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	6
12	1	0.79318	0.48	0.0096916	100	√	√	
B2[31]	MK23[432]	3	12	34	3200	1.2913	-1.7354	-0.00011354
0.059005	0.73756	0	0.43044	0.57848	1.168	0.57848	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.28965	6.72	√	√	
B2[31]	B8[436]	3	12	34	3200	0.038064	-0.072573	6.7763E-05
0.0024675	0.030843	0	0.012688	0.024191	0.043531	0.024191	1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez	6
12	1	0.79318	0.48	0.027027	72.01	√	√	
B2[31]	MK3[428]	3	12	34	3200	0.18344	-1.0291	5.7991E-05
0.034989	0.43737	0	0.061148	0.34303	0.49851	0.34303	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.17156	11.34	√	√	

Kolon	Kiriş A	#bul	DBul	Eks	Σri²	N	V	M
Mg'	N1m.X	N1m.Y	N1n.X	N1n.Y	N1.X	N1.Y	Cmb	n
d	k.y.	A_t	A_b	V_1	ζAB2Emn	√/X(KK)	√/X(Bul)	
B2[32]	MK2[427]	3	12	34	3200	0.25174	-0.69054	1.3356E-05
0.023478	0.29348	0	0.083912	0.23018	0.37739	0.23018	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.11533	16.88	√	√	
B2[32]	B9[435]	3	12	34	3200	-0.061592	-0.045155	-0.0001885
0.0015353	0.019191	0	0.020531	0.015052	0.039722	0.015052	1.4G + Imp	6
12	1	0.79318	0.48	0.0076973	100	√	√	
B2[32]	MK2[431]	3	12	34	3200	1.3097	-1.1908	-6.8011E-06
0.040488	0.5061	0	0.43656	0.39694	0.94266	0.39694	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.19847	9.81	√	√	
B2[32]	B9[443]	3	12	34	3200	0.05313	-0.045361	0.00019245
0.0015423	0.019279	0	0.01771	0.01512	0.036989	0.01512	1.4G + Imp	6
12	1	0.79318	0.48	0.0076924	100	√	√	
B2[32]	MK2[439]	3	12	34	3200	0.70838	-1.2163	4.8502E-05
0.041354	0.51692	0	0.23613	0.40543	0.75305	0.40543	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.20272	9.6	√	√	
B2[32]	B9[447]	3	12	34	3200	0.24696	-0.039523	5.0597E-05
0.0013438	0.016797	0	0.082321	0.013174	0.099118	0.013174	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0065871	78.8	√	√	
B2[32]	MK2[451]	3	12	34	3200	0.68245	-1.2173	7.423E-05
0.041387	0.51734	0	0.22748	0.40576	0.74482	0.40576	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.20319	9.58	√	√	
B2[32]	B9[455]	3	12	34	3200	0.22281	-0.039523	5.7313E-05
0.0013438	0.016797	0	0.074269	0.013174	0.091066	0.013174	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0065871	87.35	√	√	
B2[32]	MK2[459]	3	12	34	3200	0.68092	-1.2176	5.6225E-05
0.041397	0.51747	0	0.22697	0.40586	0.74444	0.40586	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.20293	9.59	√	√	
B2[32]	B9[463]	3	12	34	3200	-0.044628	-0.045333	-0.0001494
0.0015413	0.019267	0	0.014876	0.015111	0.034143	0.015111	1.4G + Imp	6
12	1	0.79318	0.48	0.0076932	100	√	√	
B2[32]	MK2[467]	3	12	34	3200	1.3338	-1.2011	1.8525E-05
0.040838	0.51048	0	0.44459	0.40037	0.95507	0.40037	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.20064	9.7	√	√	
B2[32]	B9[471]	3	12	34	3200	-0.065766	-0.045166	-0.00017082
0.0015357	0.019196	0	0.021922	0.015055	0.041118	0.015055	1.4G + Imp	6
12	1	0.79318	0.48	0.0076974	100	√	√	
B2[32]	MK2[475]	3	12	34	3200	0.25141	-0.70508	1.4055E-05
0.023973	0.29966	0	0.083803	0.23503	0.38346	0.23503	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.11772	16.53	√	√	
B2[33]	MK2[474]	3	12	34	3200	0.36297	-0.6698	-1.4386E-05
0.022773	0.28467	0	0.12099	0.22327	0.40566	0.22327	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.11179	17.41	√	√	
B2[33]	B9[470]	3	12	34	3200	0.063249	-0.077882	-7.3478E-05
0.002648	0.0331	0	0.021083	0.025961	0.054183	0.025961	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	6
12	1	0.79318	0.48	0.033182	58.65	√	√	

Kolon	Kiriş A	#bul	DBul	Eks	Σri²	N	V	M
Mg'	N1m.X	N1m.Y	N1n.X	N1n.Y	N1.X	N1.Y	Cmb	n
d	k.y.	A_t	A_b	V_1	ζAB2Emn	√/X(KK)	√/X(Bul)	
B2[33]	MK2[466]	3	12	34	3200	1.4187	-1.3325	0.00012856
0.045305	0.56632	0	0.4729	0.44417	1.0392	0.44417	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.22258	8.74	√	√	
B2[33]	B9[462]	3	12	34	3200	0.050873	-0.045281	8.1881E-05
0.0015396	0.019244	0	0.016958	0.015094	0.036202	0.015094	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	6
12	1	0.79318	0.48	0.01481	100	√	√	
B2[33]	MK2[458]	3	12	34	3200	0.6842	-0.94774	0.00027417
0.032223	0.40279	0	0.22807	0.31591	0.63086	0.31591	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.15798	12.32	√	√	
B2[33]	B9[454]	3	12	34	3200	0.19722	-0.039698	0.00029517
0.0013497	0.016872	0	0.065741	0.013233	0.082613	0.013233	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0066164	98.68	√	√	
B2[33]	MK2[450]	3	12	34	3200	0.66803	-0.94967	0.0002835
0.032289	0.40361	0	0.22268	0.31656	0.62628	0.31656	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.15828	12.3	√	√	
B2[33]	B9[446]	3	12	34	3200	0.21936	-0.039691	0.00028122
0.0013495	0.016869	0	0.073121	0.01323	0.08999	0.01323	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.0066152	88.72	√	√	
B2[33]	MK2[438]	3	12	34	3200	0.70641	-0.96431	0.00025956
0.032786	0.40983	0	0.23547	0.32144	0.6453	0.32144	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.16075	12.11	√	√	
B2[33]	B9[442]	3	12	34	3200	0.05149	-0.045258	4.8442E-05
0.0015388	0.019235	0	0.017163	0.015086	0.036398	0.015086	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	6
12	1	0.79318	0.48	0.015159	100	√	√	
B2[33]	MK2[430]	3	12	34	3200	1.3807	-1.3046	0.00011918
0.044358	0.55447	0	0.46024	0.43488	1.0147	0.43488	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.218	8.93	√	√	
B2[33]	B9[434]	3	12	34	3200	0.065555	-0.077675	-6.9801E-05
0.002641	0.033012	0	0.021852	0.025892	0.054863	0.025892	1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez	6
12	1	0.79318	0.48	0.033223	58.58	√	√	
B2[33]	MK2[426]	3	12	34	3200	0.37111	-0.66202	-1.5805E-05
0.022509	0.28136	0	0.1237	0.22067	0.40506	0.22067	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.11048	17.62	√	√	
B2[31]	MK1[476]	3	12	34	3200	0.18602	-1.0584	6.0326E-05
0.035986	0.44982	0	0.062006	0.3528	0.51183	0.3528	1.2G + 1.6SN + Q + Imp	6
12	1	0.79318	0.48	0.17645	11.03	√	√	

9.4. Profil gövdesine bağlı kaynak hesabı



Bütün hesaplar kaynak faydalı uzunluğuna göredir

A-At*[mm²]: Kaynak alanı-Kaynak kesme kuvveti alanı

Jx*[cm⁴]: Kaynak faydalı atalet momenti

Wx*[cm³]: Kaynak mukavemet momenti

N-V-M*[TonF-TonF.m]: Normal kuvvet-Kesme kuvveti-Moment

σKay-τKay-σKıyas*[kgF/cm²]: Kaynak gerilmeleri

ζKay*: Kaynak güvenlik katsayısı

σMax/τMax': Profil gövdesi için gerilme[kgF/cm²]

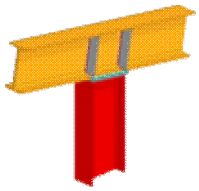
√/X(Wld,Web): Kaynak ve gövde birleşimi sonucu

ζ: Güvenlik katsayısı

Kolon	Kiriş	A*	At	Jx	Wx	N	V	M
σKay	τKay	σKıyas	ζKay*	σMax'	τMax'	√/X(Kay)	√/X(Göv)	
MK24[425]	MK28[81]	705.6	426.3	94.118	18.275	-0.36509	-0.19054	-0.058372
1112	20.987	44.697	1,9	195.85	2.4291	√	√	1.9 √
MK2[426]	MK28[88]	705.6	426.3	94.118	18.275	-0.36283	0.23493	0.084859
754.57	5.5126	55.11	2,72	176.55	1.9952	√	√	2.72 √
MK2[426]	MK28[95]	705.6	426.3	94.118	18.275	0.082988	0.051988	0.015541
250.11	2.2265	12.195	8,4	43.12	0.47302	√	√	8.4 √
MK2[426]	MK28[102]	705.6	426.3	94.118	18.275	-0.28368	-0.076649	-0.035766
1846.3	18.712	17.98	1,18	127.28	1.8099	√	√	1.18 √
MK2[427]	MK28[109]	705.6	426.3	94.118	18.275	-0.15303	0.11777	0.049361
1047.9	7.855	27.626	2,05	128.82	1.4842	√	√	2.05 √
MK2[427]	MK28[116]	705.6	426.3	94.118	18.275	0.13244	-0.071913	-0.027115
349.21	2.7047	16.869	6,02	56.315	0.64613	√	√	6.02 √
MK2[427]	MK28[123]	705.6	426.3	94.118	18.275	-0.52847	0.003796	-0.017087
1413.9	16.156	0.89044	1,56	127.22	2.191	√	√	1.56 √
B5[50]	MK28[123]	705.6	426.3	94.118	18.275	0.084747	-0.06154	0.018969
192.5	11.75	14.436	10,63	33.646	0.29889	√	√	10.63 √
B5[50]	MK28[116]	705.6	426.3	94.118	18.275	-0.039259	0.083657	-0.027346
191.61	1.1416	19.624	10,43	48.043	0.41714	√	√	10.43 √
B5[50]	MK28[109]	705.6	426.3	94.118	18.275	-0.0022902	0.025106	-0.0095807
86.157	3.6806	5.8894	23,91	16.783	0.14519	√	√	23.91 √
B5[50]	MK28[102]	705.6	426.3	94.118	18.275	0.088908	0.04527	-0.014127
93.924	0.63519	10.619	21,07	25.443	0.22952	√	√	21.07 √
B5[50]	MK28[95]	705.6	426.3	94.118	18.275	-0.017729	0.017636	-0.012818
97.337	2.018	4.1369	21,7	24.157	0.21547	√	√	21.7 √
B5[50]	MK28[88]	705.6	426.3	94.118	18.275	0.012709	-0.021061	0.012166
116.24	5.7329	4.9404	18,16	21.353	0.18502	√	√	18.16 √
B5[50]	MK28[81]	705.6	426.3	94.118	18.275	0.062928	0.043879	-0.023129
175.72	7.9849	10.293	11,83	40.884	0.35761	√	√	11.83 √
MK2[475]	MK28[129]	705.6	426.3	94.118	18.275	-0.54547	0.0032486	-0.017837
1430.8	16.236	0.76205	1,54	131	2.2558	√	√	1.54 √
MK2[475]	MK28[122]	705.6	426.3	94.118	18.275	0.13532	-0.07323	-0.027659
354.58	2.7354	17.178	5,92	57.447	0.65927	√	√	5.92 √
MK2[475]	MK28[115]	705.6	426.3	94.118	18.275	-0.15596	0.11846	0.049652
1050.3	7.903	27.787	2,04	129.48	1.4956	√	√	2.04 √
MK2[474]	MK28[108]	705.6	426.3	94.118	18.275	-0.28887	-0.078998	-0.036685
1852.3	18.749	18.531	1,18	131.31	1.859	√	√	1.18 √
MK2[474]	MK28[101]	705.6	426.3	94.118	18.275	0.081829	0.050893	0.01519
246.5	2.2642	11.938	8,52	43.268	0.47423	√	√	8.52 √
MK2[474]	MK28[94]	705.6	426.3	94.118	18.275	-0.36438	0.23502	0.084783
749.68	5.4039	55.129	2,74	176.37	1.9942	√	√	2.74 √
MK24[473]	MK28[87]	705.6	426.3	94.118	18.275	-0.37161	-0.19188	-0.058823
1111.6	21.526	45.01	1,9	195.3	2.4385	√	√	1.9 √

Kolon	Kiriş	A*	At	Jx	Wx	N	V	M
σKay	τKay	σKıyas	ζKay*	σMax'	τMax'	√/X(Kay)	√/X(Göv)	
B5[48]	MK28[87]	705.6	426.3	94.118	18.275	0.064157	0.044325	-0.023426
186.43	8.3177	10.398	11,18	41.317	0.36139	√	√	11.18 √
B5[48]	MK28[94]	705.6	426.3	94.118	18.275	0.012332	-0.02143	0.012276
116.42	5.7711	5.0269	18,12	21.544	0.18664	√	√	18.12 √
B5[48]	MK28[101]	705.6	426.3	94.118	18.275	-0.018301	0.018712	-0.013245
99.772	2.0102	4.3894	21,14	25.36	0.22593	√	√	21.14 √
B5[48]	MK28[108]	705.6	426.3	94.118	18.275	0.09028	0.047585	-0.014921
98.4	0.62854	11.162	20,1	26.847	0.24169	√	√	20.1 √
B5[48]	MK28[115]	705.6	426.3	94.118	18.275	-0.0024292	0.026132	-0.0099315
88.073	3.6774	6.13	23,36	17.398	0.15051	√	√	23.36 √
B5[48]	MK28[122]	705.6	426.3	94.118	18.275	-0.040113	0.086311	-0.028119
196.23	1.1232	20.247	10,17	49.4	0.42889	√	√	10.17 √
B5[48]	MK28[129]	705.6	426.3	94.118	18.275	0.087914	-0.063706	0.019514
196.02	11.772	14.944	10,42	34.617	0.30762	√	√	10.42 √
B29[1369]	B22[942]	291.6	291.6	5.7396	2.1024	-0.0016261	-0.014749	-0.00036874
335.13	17.678	5.0581	6,47	0.48656	0.001674	√	√	6.47 √
B29[1369]	B22[943]	291.6	291.6	5.7396	2.1024	-0.0013581	-0.014491	0.00036228
256.08	13.698	4.9696	8,43	0.92935	0.0035697	√	√	8.43 √
B29[1369]	B22[944]	291.6	291.6	5.7396	2.1024	-0.0031348	-0.016246	0.00040614
119.93	5.6717	5.5713	17,53	0.85288	0.0031139	√	√	17.53 √
B29[1369]	B22[945]	291.6	291.6	5.7396	2.1024	-0.0013634	-0.01449	0.00036225
254.15	13.596	4.9691	8,49	0.93135	0.003575	√	√	8.49 √
B29[1369]	B22[946]	291.6	291.6	5.7396	2.1024	-0.0015803	-0.014746	-0.00036865
330.18	17.414	5.057	6,56	0.48117	0.0016557	√	√	6.56 √
B29[1371]	B22[942]	291.6	291.6	5.7396	2.1024	-0.005271	-0.025029	0.00062573
695.46	661.05	8.5835	2,28	1.2394	0.0042442	√	√	2.28 √
B29[1371]	B22[943]	291.6	291.6	5.7396	2.1024	-0.0026742	-0.015858	0.00039645
461.99	467.4	5.4383	3,33	0.75859	0.0039692	√	√	3.33 √
B29[1371]	B22[944]	291.6	291.6	5.7396	2.1024	-0.0034021	-0.018408	0.00046021
160.61	139.52	6.3129	10,12	1.0572	0.0045038	√	√	10.12 √
B29[1371]	B22[945]	291.6	291.6	5.7396	2.1024	-0.0026771	-0.015905	0.00039763
447.65	454.32	5.4545	3,43	0.75995	0.0039605	√	√	3.43 √
B29[1371]	B22[946]	291.6	291.6	5.7396	2.1024	-0.0059556	-0.023045	0.00057613
700.95	675.05	7.903	2,25	1.2243	0.0041928	√	√	2.25 √

9.5. Alın3 Hesapları



Bütün hesaplar kaynak faydalı uzunluğuna göredir

A-At*[mm²]: Kaynak alanı-Kaynak kesme kuvveti alanı

Jx*[cm⁴]: Kaynak faydalı atalet momenti

Wx*[cm³]: Kaynak mukavemet momenti

N-V-M*[TonF-TonF.m]: Normal kuvvet-Kesme kuvveti-Moment

σKay-τKay-σKıyas*[kgF/cm²]: Kaynak gerilmeleri

ζKay*: Kaynak güvenlik katsayısı

N/V/M'[TonF-TonF.m]: Tasarım kuvvetleri

ζbul/levh/pro': Bulon-levha-profil güvenlik katsayısı

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
MK17	B3	1067.4	1067.4	161.97	31.451	-0.040673	0.30049	0.071423	4409.6	-3.8105	4409.6
2,07	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B3	1067.4	1067.4	161.97	31.451	-0.047377	0.23113	0.055914	3452.1	-4.4385	3452.1
4,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B3	1067.4	1067.4	161.97	31.451	-0.036272	0.31017	0.073928	4564.2	-3.3982	4564.2
2,12	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B3	1067.4	1067.4	161.97	31.451	-0.2293	0.62139	0.14837	9160.1	-21.483	9160.1
1,53	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B3	1067.4	1067.4	161.97	31.451	-0.097892	0.15617	0.045843	2830.3	-9.1711	2830.3
2,55	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B16	1067.4	1067.4	161.97	31.451	-0.019829	0.063742	0.027952	1725.7	-1.8577	1725.7
3,18	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	-0.12545	-0.45122	-0.22963	-14177	-11.753	-14177
1,15	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK18	B6	1067.4	1067.4	161.97	31.451	0.0079113	-0.19225	-0.057539	-3552.4	0.74118	-3552.4
1,95	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	-0.05981	-0.14188	-0.07363	-4545.8	-5.6034	-4545.8
1,69	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	-0.021803	-0.11257	-0.059366	-3665.2	-2.0426	-3665.2
4,32	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	-0.061397	-0.1423	-0.073823	-4557.7	-5.752	-4557.7
1,68	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	-0.12981	-0.4485	-0.22786	-14068	-12.162	-14068
1,16	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B7	1067.4	1067.4	161.97	31.451	0.0080311	-0.22257	-0.13089	-8081.1	0.7524	-8081.1
1,7	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.0085612	-0.18462	-0.055801	-3445.1	0.80206	-3445.1
1,98	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B16	1067.4	1067.4	161.97	31.451	-0.00019287	-0.0063037	0.00037865	23.377	-0.018069	23.377
2,93	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B16	1067.4	1067.4	161.97	31.451	0.0078346	-0.0037978	0.00057251	35.346	0.73399	35.346

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
12,68	8	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B16	1067.4	1067.4	161.97	31.451	0.00073956	-0.0064138	0.00042222	26.067	0.069286	26.067
3,35	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B16	1067.4	1067.4	161.97	31.451	0.024122	-0.011859	0.0017867	110.31	2.2599	110.31
2,77	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.022028	0.019414	-0.016787	-1036.4	2.0637	-1036.4
2,17	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.0046934	0.030494	-0.009923	-612.63	0.4397	-612.63
2,48	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.0035499	0.027849	-0.0033372	-206.03	0.33258	-206.03
6,18	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.0045235	0.031056	-0.0097413	-601.41	0.42378	-601.41
2,51	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK17	B6	1067.4	1067.4	161.97	31.451	0.023642	0.019141	-0.016836	-1039.4	2.2149	-1039.4
2,14	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK29	MK17	1291.2	1291.2	417.35	51.145	-0.47135	0.18768	0.18804	4505.5	-36.504	4505.5
5,35	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK19	MK17	1520.9	1520.9	453.2	63.295	-0.16856	0.094237	0.048393	1067.8	-11.083	1067.8
16,37	7	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK27	MK18	1291.2	1291.2	417.35	51.145	-0.037156	0.017324	0.1266	3033.4	-2.8776	3033.4
8,75	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK20	MK17	1291.2	1291.2	417.35	51.145	-0.14058	0.044127	0.040242	964.22	-10.887	964.22
23,15	5	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK21	MK17	1520.9	1520.9	453.2	63.295	-0.16825	0.095678	0.050278	1109.4	-11.063	1109.4
15,86	6	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK30	MK17	1291.2	1291.2	417.35	51.145	-0.46916	0.18885	0.18636	4465.3	-36.335	4465.3
5,4	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK27	MK17	1291.2	1291.2	417.35	51.145	-0.041922	0.015811	0.12257	2936.8	-3.2467	2936.8
9,03	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK26	MK17	1291.2	1291.2	417.35	51.145	-0.093635	-0.095468	-0.063517	-1521.9	-7.2517	-1521.9
16,13	3	-	-	-	-	-	-	-	-	-	-

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
-	-	-	√	√	√						
MK30	MK17	1291.2	1291.2	417.35	51.145	-0.63058	-0.29279	-0.14227	-3408.9	-48.836	-3408.9
6,62	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK21	MK17	1291.2	1291.2	417.35	51.145	-0.3138	-0.052105	-0.077013	-1845.3	-24.302	-1845.3
12,23	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK20	MK17	1291.2	1291.2	417.35	51.145	-0.29979	-0.053149	-0.074227	-1778.5	-23.218	-1778.5
13,07	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK26	B4	1291.2	1291.2	417.35	51.145	-0.086709	-0.094588	-0.063271	-1516	-6.7152	-1516
15,54	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B17	B16	1067.4	1067.4	161.97	31.451	0.0020694	0.012482	-0.00070897	-43.771	0.19388	-43.771
3	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B16	1067.4	1067.4	161.97	31.451	0.0041996	0.0077821	-0.00025647	-15.834	0.39344	-15.834
2,45	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B16	1067.4	1067.4	161.97	31.451	0.0033452	0.0022851	9.5269E-06	0.58817	0.31339	0.58817
5,21	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B16	1067.4	1067.4	161.97	31.451	0.003555	0.002232	2.336E-05	1.4422	0.33305	1.4422
4,75	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B16	1067.4	1067.4	161.97	31.451	0.0070511	0.0078244	-0.00012958	-7.9999	0.66058	-7.9999
2,27	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B16	1067.4	1067.4	161.97	31.451	0.017502	0.012777	-4.2144E-05	-2.6019	1.6397	-2.6019
2,72	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B6	1067.4	1067.4	161.97	31.451	-0.014345	-0.04095	-0.017047	-1052.5	-1.3439	-1052.5
1,98	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B6	1067.4	1067.4	161.97	31.451	0.0028194	-0.01798	-0.012102	-747.17	0.26414	-747.17
1,94	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B6	1067.4	1067.4	161.97	31.451	0.0051499	-0.00026355	-0.0039138	-241.63	0.48247	-241.63
3,34	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B6	1067.4	1067.4	161.97	31.451	0.005486	-0.00085068	-0.0040413	-249.5	0.51396	-249.5
3,3	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B6	1067.4	1067.4	161.97	31.451	0.003399	-0.018382	-0.012262	-757.02	0.31843	-757.02
1,94	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
B18	B6	1067.4	1067.4	161.97	31.451	-0.011531	-0.041738	-0.016768	-1035.2	-1.0802	-1035.2
2,01	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK24	1067.4	1067.4	161.97	31.451	0.21371	0.31164	0.097992	6049.9	20.022	6049.9
4,2	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK20	1068.2	1068.2	162.5	31.509	0.16719	0.31701	0.065207	4012.8	15.652	4012.8
9,75	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK20	1068.2	1068.2	162.5	31.509	0.33437	-0.50025	-0.09911	-6099.1	31.303	-6099.1
6,41	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK2	1067.4	1067.4	161.97	31.451	0.35045	-0.46219	-0.14872	-9181.6	32.832	-9181.6
4,36	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK2	1067.4	1067.4	161.97	31.451	-0.04247	0.21439	0.066242	4089.7	-3.9789	4089.7
9,99	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK20	1068.2	1068.2	162.5	31.509	-0.036684	0.21656	0.062414	3840.9	-3.4343	3840.9
10,55	5	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK20	1068.2	1068.2	162.5	31.509	0.55938	0.26055	0.074302	4572.5	52.369	4572.5
7,7	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK2	1067.4	1067.4	161.97	31.451	0.24106	0.21217	0.083423	5150.4	22.584	5150.4
3,12	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK20	1068.2	1068.2	162.5	31.509	0.30452	-0.32175	-0.088453	-5443.3	28.509	-5443.3
7,18	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK2	1067.4	1067.4	161.97	31.451	0.11989	-0.16458	-0.063192	-3901.4	11.232	-3901.4
5,49	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK20	1068.2	1068.2	162.5	31.509	0.0012255	0.13712	0.050594	3113.5	0.11473	3113.5
13,83	3	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK2	1067.4	1067.4	161.97	31.451	0.0012017	0.13705	0.052413	3235.9	0.11258	3235.9
13,34	4	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK20	1068.2	1068.2	162.5	31.509	0.69067	0.12254	0.032572	2004.4	64.66	2004.4
13,17	7	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK2	1067.4	1067.4	161.97	31.451	0.69044	0.19598	0.12572	7761.5	64.685	7761.5
4,67	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK20	1068.2	1068.2	162.5	31.509	0.20545	-0.43879	-0.16458	-10128	19.235	-10128

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
4,09	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK25	1067.4	1067.4	161.97	31.451	0.22123	-0.41597	-0.19528	-12056	20.726	-12056
3,45	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK20	1068.2	1068.2	162.5	31.509	0.00023223	-0.22057	-0.099205	-6105	-0.021741	-6105
6,45	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK25	1067.4	1067.4	161.97	31.451	0.010984	-0.22026	-0.10326	-6374.9	1.029	-6374.9
6,59	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK5	1067.4	1067.4	161.97	31.451	-0.016719	-0.2497	-0.11758	-7259.5	-1.5663	-7259.5
5,44	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK19	1068.2	1068.2	162.5	31.509	-0.0159	-0.24932	-0.11235	-6913.7	-1.4886	-6913.7
5,33	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK5	1067.4	1067.4	161.97	31.451	0.2137	-0.4585	-0.21501	-13275	20.021	-13275
3,06	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK19	1068.2	1068.2	162.5	31.509	0.19679	-0.48044	-0.18164	-11178	18.423	-11178
3,68	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK2	1067.4	1067.4	161.97	31.451	0.71284	0.20111	0.13011	8032.7	66.783	8032.7
3,95	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK19	1068.2	1068.2	162.5	31.509	0.71358	0.12589	0.03254	2002.5	66.805	2002.5
12,53	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK19	1068.2	1068.2	162.5	31.509	-0.01463	0.15774	0.058033	3571.2	-1.3696	3571.2
11,85	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK2	1067.4	1067.4	161.97	31.451	-0.015766	0.15672	0.059762	3689.6	-1.477	3689.6
11,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK2	1067.4	1067.4	161.97	31.451	0.12202	-0.14052	-0.054907	-3389.8	11.431	-3389.8
5,65	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK19	1068.2	1068.2	162.5	31.509	0.30912	-0.29883	-0.080107	-4929.7	28.94	-4929.7
7,77	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK2	1067.4	1067.4	161.97	31.451	0.22552	0.23929	0.094206	5816.1	21.128	5816.1
2,83	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK19	1068.2	1068.2	162.5	31.509	0.54607	0.32408	0.090749	5584.5	51.123	5584.5
6,43	-	-	-	-	-	-	-	-	-	-	-

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
-	-	-	√	√	√						
MK23	MK2	1067.4	1067.4	161.97	31.451	-0.0038282	0.2053	0.060605	3741.7	-0.35865	3741.7
11,16		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK23	MK19	1068.2	1068.2	162.5	31.509	0.00036344	0.20556	0.059295	3649	0.034025	3649
11,19		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK2	1067.4	1067.4	161.97	31.451	0.32934	-0.40914	-0.13472	-8317.1	30.855	-8317.1
4,57	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK19	1068.2	1068.2	162.5	31.509	0.31494	-0.44634	-0.085006	-5231.2	29.485	-5231.2
7,32	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK24	1067.4	1067.4	161.97	31.451	0.48184	0.39301	0.13984	8633.5	45.141	8633.5
3,99	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK19	1068.2	1068.2	162.5	31.509	0.48868	0.34094	0.049593	3051.9	45.75	3051.9
9,89	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK2	1067.4	1067.4	161.97	31.451	0.34993	-0.45892	-0.15272	-9428.6	32.783	-9428.6
4,02	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK29	1068.2	1068.2	162.5	31.509	0.33437	-0.49613	-0.09309	-5728.6	31.303	-5728.6
6,68	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK24	1067.4	1067.4	161.97	31.451	0.59174	0.79547	0.25819	15940	55.438	15940
2,31	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK29	1068.2	1068.2	162.5	31.509	0.61043	0.73002	0.12459	7667.2	57.149	7667.2
4,62	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK23	MK2	1067.4	1067.4	161.97	31.451	-0.015924	0.15562	0.045257	2794.1	-1.4918	2794.1
14,49		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK23	MK29	1068.2	1068.2	162.5	31.509	-0.013209	0.15656	0.045646	2809	-1.2367	2809
14,08		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK29	1068.2	1068.2	162.5	31.509	0.54999	0.29975	0.082469	5075	51.49	5075
6,91	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK2	1067.4	1067.4	161.97	31.451	0.21766	0.20562	0.081946	5059.2	20.392	5059.2
2,94	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK2	1067.4	1067.4	161.97	31.451	0.32511	-0.28318	-0.11061	-6828.8	30.458	-6828.8
5,28	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
MK11	MK29	1068.2	1068.2	162.5	31.509	0.31475	-0.31922	-0.087305	-5372.6	29.467	-5372.6
7,13	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK29	1068.2	1068.2	162.5	31.509	0.14884	0.15962	0.059112	3637.7	-13.935	3637.7
10,91	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK2	1067.4	1067.4	161.97	31.451	0.14989	0.15136	0.054648	3373.9	-14.042	3373.9
11,65	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK2	1067.4	1067.4	161.97	31.451	0.50337	0.0075166	0.044543	2750	47.158	2750
4,11	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK29	1068.2	1068.2	162.5	31.509	0.46716	-0.083434	-0.052686	-3242.2	43.735	-3242.2
10,2	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK29	1068.2	1068.2	162.5	31.509	0.22513	-0.96254	-0.37887	-23315	21.076	-23315
1,77	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK4	1067.4	1067.4	161.97	31.451	0.25501	-0.93683	-0.4316	-26646	23.891	-26646
1,53	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK24	1067.4	1067.4	161.97	31.451	0.4882	0.40661	0.14389	8883.8	45.737	8883.8
3,91	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK21	1068.2	1068.2	162.5	31.509	0.49539	0.35384	0.05209	3205.6	46.378	3205.6
9,48	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK21	1068.2	1068.2	162.5	31.509	0.31446	-0.44971	-0.085859	-5283.7	29.44	-5283.7
7,28	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK2	1067.4	1067.4	161.97	31.451	0.32894	-0.41257	-0.13569	-8377.5	30.817	-8377.5
4,55	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK22	MK2	1067.4	1067.4	161.97	31.451	0.0037926	0.20096	0.059222	3656.2	-0.35531	3656.2
11,4	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK22	MK21	1068.2	1068.2	162.5	31.509	0.00026416	0.20122	0.058146	3578.2	0.024731	3578.2
11,42	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK2	1067.4	1067.4	161.97	31.451	0.22585	0.23676	0.093412	5767.1	21.159	5767.1
2,84	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK13	MK21	1068.2	1068.2	162.5	31.509	0.54641	0.32109	0.089728	5521.8	51.155	5521.8
6,5	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK2	1067.4	1067.4	161.97	31.451	0.31933	-0.26609	-0.10506	-6486.3	29.917	-6486.3

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
5,64	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK21	1068.2	1068.2	162.5	31.509	0.30826	-0.3013	-0.081051	-4987.7	28.859	-4987.7
7,68	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK2	1067.4	1067.4	161.97	31.451	-0.016382	0.15498	0.059052	3645.8	-1.5348	3645.8
11,59	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK21	1068.2	1068.2	162.5	31.509	-0.01534	0.15603	0.05743	3534.2	-1.4361	3534.2
11,95	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK2	1067.4	1067.4	161.97	31.451	0.71382	0.19906	0.12938	7987.8	66.875	7987.8
3,98	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK21	1068.2	1068.2	162.5	31.509	0.71451	0.12378	0.031634	1946.7	66.892	1946.7
12,72	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK6	1067.4	1067.4	161.97	31.451	0.21495	-0.46271	-0.21696	-13395	20.138	-13395
3,03	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK21	1068.2	1068.2	162.5	31.509	0.19792	-0.48479	-0.18334	-11283	18.529	-11283
3,65	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK21	1068.2	1068.2	162.5	31.509	-0.014955	-0.24972	-0.11251	-6923.7	-1.4001	-6923.7
5,32	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK15	MK6	1067.4	1067.4	161.97	31.451	-0.015546	-0.2519	-0.11862	-7323.2	-1.4564	-7323.2
5,39	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK23	1067.4	1067.4	161.97	31.451	0.25324	-0.92602	-0.42664	-26340	23.725	-26340
1,55	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK8	MK30	1068.2	1068.2	162.5	31.509	0.22366	-0.95155	-0.37448	-23045	20.938	-23045
1,79	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK2	1067.4	1067.4	161.97	31.451	0.4997	0.0093204	0.044981	2777	46.814	2777
4,11	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK9	MK30	1068.2	1068.2	162.5	31.509	0.46339	-0.078697	-0.050673	-3118.4	43.382	-3118.4
10,54	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK2	1067.4	1067.4	161.97	31.451	-0.14888	0.15346	0.055469	3424.6	-13.948	3424.6
11,51	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK10	MK30	1068.2	1068.2	162.5	31.509	-0.14773	0.16167	0.059874	3684.6	-13.83	3684.6
10,8	-	-	-	-	-	-	-	-	-	-	-

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
-	-	-	√	√	√						
MK11	MK2	1067.4	1067.4	161.97	31.451	0.3199	-0.2751	-0.10748	-6635.7	29.97	-6635.7
5,43	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK11	MK30	1068.2	1068.2	162.5	31.509	0.3098	-0.31059	-0.084788	-5217.8	29.003	-5217.8
7,34	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK2	1067.4	1067.4	161.97	31.451	0.2151	0.20432	0.08135	5022.4	20.152	5022.4
2,96	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK12	MK30	1068.2	1068.2	162.5	31.509	0.54294	0.29952	0.082507	5077.4	50.83	5077.4
6,93	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK22	MK30	1068.2	1068.2	162.5	31.509	-0.011361	0.15395	0.044998	2769.1	-1.0636	2769.1
14,28	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK22	MK2	1067.4	1067.4	161.97	31.451	-0.013937	0.15312	0.044444	2743.9	-1.3057	2743.9
14,77	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK2	1067.4	1067.4	161.97	31.451	0.34273	-0.44783	-0.14893	-9194.8	32.109	-9194.8
4,13	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK14	MK30	1068.2	1068.2	162.5	31.509	0.32745	-0.48426	-0.090941	-5596.4	30.656	-5596.4
6,85	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK24	1067.4	1067.4	161.97	31.451	0.58084	0.77434	0.25166	15537	54.416	15537
2,38	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK7	MK30	1068.2	1068.2	162.5	31.509	0.59912	0.71027	0.12099	7445.7	56.09	7445.7
4,75	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	-0.00486	-0.066411	-0.086497	-5340.2	-0.45532	-5340.2
1,83	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
S1	B2	4152	4152	2862.5	280.64	16.717	0.088941	-0.026141	-91.324	402.64	-91.324
1,11	1.2G + 1.6SN + Imp	33.435	0.088941	-0.026141	100	100	100	32.3	√	√	√
S1	B2	4152	4152	2862.5	280.64	-25.228	-0.094553	0.029752	103.94	-607.6	103.94
1,18	1.2G + 1.6SN + Imp	-25.228	-0.094553	0.029752	1.49	1.16	1.49	1.16	√	√	√
S1	B2	4152	4152	2862.5	280.64	15.195	-0.0048783	0.00088236	3.0825	365.97	3.0825
1,22	1.2G + 1.6SN + Imp	30.39	-0.0048783	0.00088236	100	100	100	35.41	√	√	√
S1	B2	4152	4152	2862.5	280.64	-23.212	-0.0015941	0.0040957	14.308	-559.06	14.308
1,3	1.2G + 1.6SN + Imp	-23.212	-0.0015941	0.0040957	1.63	1.26	1.63	1.26	√	√	√
S1	B2	4152	4152	2862.5	280.64	14.244	-0.084321	0.027359	95.579	343.07	95.579
1,3	1.2G + 1.6SN + Imp	28.489	-0.084321	0.027359	100	100	100	37.69	√	√	√
S1	B2	4152	4152	2862.5	280.64	-21.39	0.077484	-0.015373	-53.706	-515.17	-53.706
1,39	1.2G + 1.6SN + Imp	-21.39	0.077484	-0.015373	1.75	1.36	1.76	1.36	√	√	√

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
S1	B2	4152	4152	2862.5	280.64	-25.205	-0.094361	0.029948	104.62	-607.06	104.62
1,18	1.2G + 1.6SN + Imp	-25.205	-0.094361	0.029948	1.49	1.16	1.49	1.16	√	√	√
S1	B2	4152	4152	2862.5	280.64	16.701	0.089087	-0.025881	-90.416	402.24	-90.416
1,11	1.2G + 1.6SN + Imp	33.402	0.089087	-0.025881	100	100	100	32.25	√	√	√
S1	B2	4152	4152	2862.5	280.64	-23.199	-0.0014713	0.0041566	14.521	-558.74	14.521
1,3	1.2G + 1.6SN + Imp	-23.199	-0.0014713	0.0041566	1.63	1.26	1.63	1.26	√	√	√
S1	B2	4152	4152	2862.5	280.64	15.185	-0.0046621	0.0012075	4.2185	365.73	4.2185
1,22	1.2G + 1.6SN + Imp	30.37	-0.0046621	0.0012075	100	100	100	35.39	√	√	√
S1	B2	4152	4152	2862.5	280.64	-21.4	0.077561	-0.015291	-53.42	-515.41	-53.42
1,39	1.2G + 1.6SN + Imp	-21.4	0.077561	-0.015291	1.75	1.36	1.76	1.36	√	√	√
S1	B2	4152	4152	2862.5	280.64	14.243	-0.084089	0.027479	95.999	343.03	95.999
1,3	1.2G + 1.6SN + Imp	28.486	-0.084089	0.027479	100	100	100	37.7	√	√	√
B18	B3	1067.4	1067.4	161.97	31.451	0.014294	0.0078244	0.01171	722.94	1.3392	722.94
2,14	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B4	B3	1067.4	1067.4	161.97	31.451	-0.24649	0.63855	0.15251	9415.9	-23.093	9415.9
1,51	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B3	1067.4	1067.4	161.97	31.451	0.024745	0.012777	0.018952	1170	2.3183	1170
2,48	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK19	MK17	1291.2	1291.2	417.35	51.145	-0.30414	-0.054814	-0.074466	-1784.3	-23.555	-1784.3
12,83	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK28	B4	1291.2	1291.2	417.35	51.145	-0.64789	-0.3049	-0.14622	-3503.6	-50.176	-3503.6
6,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B3	1067.4	1067.4	161.97	31.451	0.011443	0.0077821	0.011774	726.91	1.072	726.91
2,32	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B3	1067.4	1067.4	161.97	31.451	0.010905	0.0054389	0.0082142	507.13	1.0217	507.13
4,85	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B3	1067.4	1067.4	161.97	31.451	0.011087	0.0050788	0.0076538	472.54	1.0387	472.54
4,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B4	B3	1067.4	1067.4	161.97	31.451	-0.12083	0.15004	0.043999	2716.4	-11.32	2716.4
2,95	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	-0.0045424	-0.066096	-0.085777	-5295.8	-0.42556	-5295.8
1,82	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	0.010063	-0.01798	-0.014508	-895.69	0.94273	-895.69
1,88	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	0.013271	0.00027757	0.0042403	261.79	1.2433	261.79

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
3,25	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	0.013667	-0.00026	0.0035657	220.14	1.2804	220.14
3,22	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B18	B7	1067.4	1067.4	161.97	31.451	0.010642	-0.018382	-0.014944	-922.62	0.99703	-922.62
1,89	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK27	MK28	1291.2	1291.2	417.35	51.145	-0.038045	0.49665	0.2389	5724.1	-2.9464	5724.1
4,57	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1291.2	1291.2	417.35	51.145	0.038617	-0.40987	-0.21103	-5056.5	2.9907	-5056.5
5,16	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.044722	-0.12551	-0.061791	-1363.4	2.9405	-1363.4
4,48	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.050549	0.033893	0.023874	526.78	-3.3236	526.78
4,82	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.03098	0.096969	-0.017665	-389.78	2.0369	-389.78
4,45	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.026651	0.042923	0.01136	250.66	1.7523	250.66
4,9	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.027808	0.060159	0.037266	822.28	1.8284	822.28
6,98	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.020915	-0.20601	-0.051837	-1143.8	1.3751	-1143.8
6,37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.12597	-0.043366	-0.017672	-389.94	-8.2823	-389.94
6,52	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.00049873	0.022973	0.037827	834.65	0.032792	834.65
6,62	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.0032617	0.16133	0.04738	1045.4	0.21446	1045.4
9,27	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.22759	-0.053619	-0.019292	-425.69	-14.964	-425.69
11,66		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.22371	0.088076	0.021774	480.45	-14.709	480.45
9,36	-	-	-	-	-	-	-	-	-	-	-

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
-	-	-	√	√	√						
MK26	MK28	1520.9	1520.9	453.2	63.295	-0.096638	-0.18663	-0.074743	-1649.2	-6.354	-1649.2
7,39	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK26	MK28	1520.9	1520.9	453.2	63.295	-0.094337	-0.18904	-0.076125	-1679.7	-6.2027	-1679.7
6,86	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.22162	0.091161	0.022566	497.92	-14.572	497.92
8,62	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.14099	-0.0078038	-0.0045639	-100.7	-9.2704	-100.7
11,58		-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.0057693	0.16252	0.047022	1037.5	0.37934	1037.5
9,08	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.0031598	0.015118	0.037641	830.56	0.20776	830.56
6,63	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.12462	-0.044659	-0.018297	-403.74	-8.1937	-403.74
6,49	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.023013	-0.21047	-0.052893	-1167.1	1.5131	-1167.1
6,35	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.029714	0.0607	0.037522	827.94	1.9537	827.94
6,98	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.028617	0.043234	0.01117	246.46	1.8816	246.46
4,9	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.033002	0.098532	-0.01806	-398.51	2.1699	-398.51
4,44	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	-0.048363	0.033466	0.023867	526.64	-3.1799	526.64
4,81	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1520.9	1520.9	453.2	63.295	0.047757	-0.12839	-0.062836	-1386.5	3.1401	-1386.5
4,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK16	MK28	1291.2	1291.2	417.35	51.145	0.042593	-0.42169	-0.21795	-5222.3	3.2987	-5222.3
5	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
MK27	MK28	1291.2	1291.2	417.35	51.145	0.033813	0.51188	0.24699	5918	-2.6187	5918
4,43	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
B1	S1	1519.8	1519.8	451.73	63.179	0.11813	4.6465	0.89299	19768	7.7724	19768
1,56	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.11813	4.6523	0.83195	18417	7.7724	18417
1,67	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.054173	6.2466	1.1536	25537	-3.5645	25537
1,21	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.054173	6.2524	1.165	25790	-3.5645	25790
1,2	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.0018007	5.5005	1.0217	22618	0.11848	22618
1,37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.0018007	5.5063	1.02	22581	0.11848	22581
1,37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00046913	6.0017	1.1144	24669	0.030868	24669
1,25	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00046913	6.0074	1.1133	24646	0.030868	24646
1,25	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.051108	6.8148	1.2597	27886	-3.3628	27886
1,1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.051108	6.8206	1.2697	28107	-3.3628	28107
1,1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.12318	5.0873	0.9776	21641	8.105	21641
1,39	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.12318	5.093	0.91085	20164	8.105	20164
1,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00043196	5.1285	0.9523	21081	0.028422	21081
1,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00043196	5.1343	0.95144	21062	0.028422	21062
1,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.043897	5.8237	1.0765	23831	-2.8883	23831
1,29	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.043897	5.8294	1.0852	24022	-2.8883	24022

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
1,29	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.10592	4.3481	0.8358	18502	6.9695	18502
1,63	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.10592	4.3538	0.7784	17232	6.9695	17232
1,71	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00045753	-6.0033	-1.1126	-24629	0.030104	-24629
1,26	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00045753	-5.9976	-1.1136	-24652	0.030104	-24652
1,25	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.050913	-6.8159	-1.2688	-28088	-3.3499	-28088
1,1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.050913	-6.8101	-1.2588	-27867	-3.3499	-27867
1,1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.1225	-5.0894	-0.91031	-20152	8.0605	-20152
1,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.1225	-5.0836	-0.97677	-21623	8.0605	-21623
1,39	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.0017865	-5.5068	-1.0201	-22583	0.11755	-22583
1,37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.0017865	-5.501	-1.0218	-22620	0.11755	-22620
1,37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.054022	-6.2472	-1.1537	-25540	-3.5545	-25540
1,21	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	-0.054022	-6.253	-1.1651	-25792	-3.5545	-25792
1,2	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.11775	-4.653	-0.83217	-18422	7.7475	-18422
1,67	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.11775	-4.6472	-0.89301	-19769	7.7475	-19769
1,56	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.1057	-4.3577	-0.77917	-17249	6.9549	-17249
1,71	-	-	-	-	-	-	-	-	-	-	-

Kolon	Kiriş	A	At	Jx	Wx	N	V	M	σKay	τKay	σKıyas
ζKay	Komb	N	V	M	ζbul	ζlevh	ζpro	ζ	√/X(kons)	√/X(k)	√/X(b)
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.1057	-4.3519	-0.83645	-18517	6.9549	-18517
1,62	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.043823	-5.8336	-1.0859	-24039	-2.8835	-24039
1,28	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.043823	-5.8278	-1.0773	-23848	-2.8835	-23848
1,29	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00042443	-5.1378	-0.9521	-21077	0.027927	-21077
1,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B1	S1	1519.8	1519.8	451.73	63.179	0.00042443	-5.1321	-0.95296	-21096	0.027927	-21096
1,47	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B26	S2	900	900	139.17	24.632	0.012791	0.017519	0.009275	666.46	1.4212	666.46
47,75	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B27	S2	900	900	139.17	24.631	0.028695	-0.024804	-0.018262	-1312.3	3.1883	-1312.3
28,45	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B27	S2	900	900	139.17	24.632	0.028715	0.024759	0.018261	1312.2	3.1906	1312.2
28,46	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B20	S2	900	900	139.17	24.631	0.012783	-0.017464	-0.0092214	-662.61	1.4203	-662.61
47,82	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B20	S2	900	900	139.17	24.632	0.0030979	0.017457	0.0074433	534.84	0.34421	534.84
64,51	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						
B19	S2	900	900	139.17	24.632	0.035995	-0.025008	-0.020358	-1462.8	3.9995	-1462.8
25,4	-	-	-	-	-	-	-	-	-	-	-
-	-	-	√	√	√						

9.6. Aşık-Profil Hesapları

n: Bulon sayısı

d[mm]: Bulon çapı

k.y.: Kesme yüzeyi sayısı

A_t [cm²]: Makaslama alanı

A_b [cm²]: Ezilme alanı

V_1 [TonF]: Tek bulon kesme kuvveti

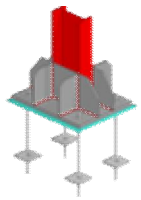
ζ: Güvenlik katsayısı

Cmb	n*	d*	k.y.	A*$_t$	A*$_b$	V*$_1$	ζAB2Emn	Ix'
Wx	N	V	M	σ	τ2	τ3	√/X	ζ
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.048791	39.89	302.17
80.579	0.089817	-0.009683	-0.0047737	25.455	9.4885	2.3389	√	39.89 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.085546	22.75	302.17
80.579	0.16821	-0.01825	0.0089333	46.452	6.9903	4.4082	√	22.75 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.093861	20.73	302.17
80.579	0.1849	-0.020069	0.0098267	51.337	7.7089	4.8477	√	20.73 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.095664	20.34	302.17
80.579	0.19017	-0.020463	0.010093	52.402	4.951	4.9428	√	20.34 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.092659	21	302.17
80.579	0.18488	-0.019957	0.0098345	50.784	3.1403	4.8205	√	21 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.089361	21.78	302.17
80.579	0.17808	-0.019263	0.0094528	49.475	3.3807	4.6529	√	21.78 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.07851	24.79	302.17
80.579	0.15244	-0.016504	0.0081684	42.739	9.2781	3.9866	√	24.79 √
1.2G + Q + 0.2SN + 0.3Ex + Ey - 0.3Ez	2	12	1	0.79318	0.48	0.078353	24.84	290.09
76.368	0.021092	-0.01017	0.0012148	6.8144	36.916	2.5672	√	24.84 √
1.2G + Q + 0.2SN + Ex + 0.3Ey + 0.3Ez	2	12	1	0.79318	0.48	0.096939	20.08	206.94
54.565	0.012496	-0.0080988	-0.00069174	7.2121	51.735	4.8982	√	20.08 √
1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	2	12	1	0.79318	0.48	0.098172	19.82	206.22
54.151	0.012763	-0.0085025	-0.00071042	7.3239	52.513	5.0907	√	19.82 √
1.2G + Q + 0.2SN - 0.3Ex + Ey - 0.3Ez	2	12	1	0.79318	0.48	0.078454	24.81	289.89
76.31	0.020111	-0.010468	0.0011667	6.5612	36.999	2.6425	√	24.81 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.076606	25.4	302.17
80.579	0.14863	-0.016113	0.0079691	41.63	9.1122	3.8921	√	25.4 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.087433	22.26	302.17
80.579	0.17422	-0.01877	0.0092478	48.343	3.3592	4.5337	√	22.26 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.090373	21.53	302.17
80.579	0.18032	-0.019503	0.0095927	49.469	3.0985	4.7108	√	21.53 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.093393	20.84	302.17
80.579	0.18563	-0.019942	0.0098525	51.083	4.8695	4.8169	√	20.84 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.091503	21.27	302.17
80.579	0.18048	-0.019583	0.0095923	50.062	7.1874	4.7302	√	21.27 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.082942	23.46	302.17
80.579	0.16356	-0.017817	0.0086876	45.136	6.1016	4.3036	√	23.46 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.044247	43.98	302.17
80.579	0.087998	-0.0093993	-0.0046767	24.731	2.3269	2.2704	√	43.98 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.090856	21.42	302.17
80.579	0.17678	-0.018857	0.0094413	42.915	10.457	4.5547	√	21.42 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.09309	20.91	302.17
80.579	0.18255	-0.019515	-0.0097225	43.257	9.0987	4.7138	√	20.91 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.088882	21.9	302.17
80.579	0.17762	-0.019054	-0.009435	38.187	1.7932	4.6024	√	21.9 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.088122	22.08	302.17
80.579	0.17498	-0.018837	-0.0093256	41.078	5.2354	4.55	√	22.08 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.090929	21.4	302.17
80.579	0.17831	-0.019091	0.0095254	43.008	8.8907	4.6112	√	21.4 √

Cmb	n*	d*	k.y.	A*$_t$	A*$_b$	V*$_1$	ζAB2Emn	Ix'
Wx	N	V	M	σ	τ2	τ3	√/X	ζ
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16764	11.61	302.17
80.579	0.33512	-0.0363	0.017788	74.383	2.0702	8.7682	√	11.61 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18427	10.56	302.17
80.579	0.36854	-0.039957	0.01954	81.081	0.20769	9.6515	√	10.56 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18913	10.29	302.17
80.579	0.37823	-0.040817	0.020064	83.74	1.1254	9.8591	√	10.29 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18416	10.57	302.17
80.579	0.36828	-0.03977	-0.019524	81.662	1.3825	9.6062	√	10.57 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.17829	10.92	302.17
80.579	0.35652	-0.03862	0.018912	79.184	1.3281	9.3285	√	10.92 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.15777	12.34	302.17
80.579	0.31549	-0.034157	-0.016829	69.806	1.3167	8.2504	√	12.34 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.067917	28.65	302.17
80.579	0.13574	-0.013924	0.0072269	30.99	0.79957	3.3632	√	28.65 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.1637	11.89	302.17
80.579	0.32736	-0.035414	0.017374	72.305	0.67862	8.5542	√	11.89 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.17762	10.96	302.17
80.579	0.35521	-0.038509	-0.018845	78.392	1.1315	9.3017	√	10.96 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18371	10.59	302.17
80.579	0.36739	-0.039659	-0.01949	80.992	0.92498	9.5796	√	10.59 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18872	10.31	302.17
80.579	0.37742	-0.040858	-0.020023	83.068	0.82203	9.8692	√	10.31 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18332	10.62	302.17
80.579	0.36664	-0.039656	-0.019452	80.339	0.23705	9.5787	√	10.62 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16744	11.62	302.17
80.579	0.33479	-0.036251	-0.017777	73.833	1.7733	8.7562	√	11.62 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.1674	11.63	302.17
80.579	0.33479	-0.036313	-0.017767	71.814	0.033602	8.7711	√	11.63 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18367	10.6	302.17
80.579	0.36734	-0.039677	-0.019499	78.929	0.074071	9.5838	√	10.6 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18864	10.32	302.17
80.579	0.37728	-0.040848	-0.020023	81.154	0.05393	9.8666	√	10.32 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18487	10.53	302.17
80.579	0.36973	-0.039724	-0.01962	79.544	0.0069244	9.5952	√	10.53 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.17722	10.98	302.17
80.579	0.35443	-0.038452	-0.018809	76.141	0.014418	9.288	√	10.98 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16331	11.92	302.17
80.579	0.32663	-0.0354	-0.017324	69.991	0.18365	8.5507	√	11.92 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.078463	24.8	302.17
80.579	0.15691	-0.016941	-0.0083246	33.554	0.48695	4.0921	√	24.8 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.01771	100	302.17
80.579	0.032786	-0.0021703	-0.0017532	8.6866	0.32561	0.52423	√	100 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.068502	28.41	302.17
80.579	0.13691	-0.014002	0.007287	31.239	0.7834	3.3821	√	28.41 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16384	11.88	302.17
80.579	0.32766	-0.035445	0.017389	72.328	0.60836	8.5617	√	11.88 √

Cmb	n*	d*	k.y.	A^*_t	A^*_b	V^*_1	ζAB2Emn	Ix^+
Wx	N	V	M	σ	τ2	τ3	√/X	ζ
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.17751	10.96	302.17
80.579	0.35499	-0.038448	-0.018833	78.327	1.1381	9.2869	√	10.96 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18365	10.6	302.17
80.579	0.36727	-0.039683	-0.019484	80.942	0.96105	9.5852	√	10.6 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18849	10.32	302.17
80.579	0.37697	-0.040858	-0.019998	82.907	0.78742	9.869	√	10.32 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18322	10.62	302.17
80.579	0.36643	-0.039636	-0.01944	80.163	0.018696	9.574	√	10.62 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16724	11.64	302.17
80.579	0.33442	-0.036297	-0.017756	73.6	1.3532	8.7674	√	11.64 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.16488	11.8	302.17
80.579	0.32964	-0.035868	0.017495	73.192	1.7774	8.6638	√	11.8 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18174	10.71	302.17
80.579	0.36347	-0.039438	0.019272	80.015	0.072108	9.5261	√	10.71 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18655	10.43	302.17
80.579	0.37307	-0.040278	0.019791	82.698	1.1007	9.729	√	10.43 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.18148	10.72	302.17
80.579	0.36291	-0.0393	-0.019239	80.605	1.3852	9.4928	√	10.72 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.17623	11.04	302.17
80.579	0.3524	-0.038086	0.018695	78.391	1.3114	9.1996	√	11.04 √
1.2G + 1.6SN + Q + Imp	2	12	1	0.79318	0.48	0.15628	12.45	302.17
80.579	0.31251	-0.033791	-0.016671	69.231	1.3647	8.1621	√	12.45 √

9.7. ConnectionCF2 Birleşimi Hesapları



Birleşim hesabı sonlu elemanlar yöntemi ile yapılmıştır

√/X(T.E.): Şablona uygun/değil. Şablona uygun olmayan birleşimlerin hesapları hatalı olur.

σTabEğ/TabEz[kgF/cm²]: Taban Plağı Eğilme ve ezilme gerilmeleri

ζTab: Taban levhası güvenlik katsayısı

σAnk[kgF/cm²]: Ankraj bulonu gerilmesi

ζAnk: Ankraj bulonu güvenlik katsayısı

σKay,τKay,σBir[kgF/cm²]: Kaynak ezilme, kayma ve kıyaslama gerilmesi

ζKay: Kaynak güvenlik katsayısı

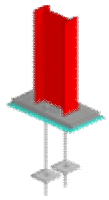
σBet[kgF/cm²]: Beton gerilmesi

ζBet: Beton güvenlik katsayısı

Kolon	√/X(T.E.)	σTabEğ	σTabEz	ζTab	σAnk	ζAnk
	σKay	σBir	ζKay	σBet	ζBet	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	

Kolon	√/X(T.E.)	σTabEğ	σTabEz	ζTab	σAnk	ζAnk
	σKay	σBir	ζKay	σBet	ζBet	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	
S1	√	1221.5	201.82	1,6 √	1942.5	2,11 √
	330.94	882.9	2,34 √	59.051	5,15 √	

9.8. ConnectionCF1 Birleşimi Hesapları



Birleşim hesabı sonlu elemanlar yöntemi ile yapılmıştır

√/X(T.E.): Şablona uygun/değil. Şablona uygun olmayan birleşimlerin hesapları hatalı olur.

σTabEğ/TabEz[kgF/cm²]: Taban Plağı Eğilme ve ezilme gerilmeleri

ζTab: Taban levhası güvenlik katsayısı

σAnk[kgF/cm²]: Ankraj bulonu gerilmesi

ζAnk: Ankraj bulonu güvenlik katsayısı

σKay,τKay,σBir[kgF/cm²]: Kaynak ezilme, kayma ve kıyaslama gerilmesi

ζKay: Kaynak güvenlik katsayısı

σBet[kgF/cm²]: Beton gerilmesi

ζBet: Beton güvenlik katsayısı

Kolon	√/X(T.E.)	σTabEğ	σTabEz	ζTab	σAnk	ζAnk
	σKay	σBir	ζKay	σBet	ζBet	
S2	√	205.54	98.113	9,24 √	1232.3	3,32 √
	1047.1	16.769	2,1 √	70.485	5,79 √	
S2	√	205.54	98.113	9,24 √	1232.3	3,32 √
	1047.1	16.769	2,1 √	70.485	5,79 √	
S2	√	205.54	98.113	9,24 √	1232.3	3,32 √
	1047.1	16.769	2,1 √	70.485	5,79 √	
S2	√	205.54	98.113	9,24 √	1232.3	3,32 √
	1047.1	16.769	2,1 √	70.485	5,79 √	

10. Birleşim Hesap Detayları

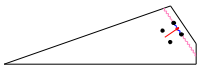
10.0.1. Moment aktarmayan makas birleşimi hesabı.

Levha kalınlığı: 10mm

Konstriktif kurallar:

$R_n = 0.6F_y A_{gv} + F_u A_{nt} \rightarrow \phi R_n$:53.201TonF **(13.19)**

Çekme yüzeyi uzunluğu:14.492cm, A:14.492cm²



Bulon aralık kriterlerinde kullanılan t_{min} :1cm, d:1.2cm

e:4, e_{min} :3.6cm √

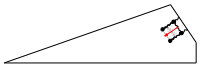
$e_{//}$:2, $e_{//min}$:1.56cm √

$e_{\perp}$:5.2509, $e_{\perp min}$:1.56cm √

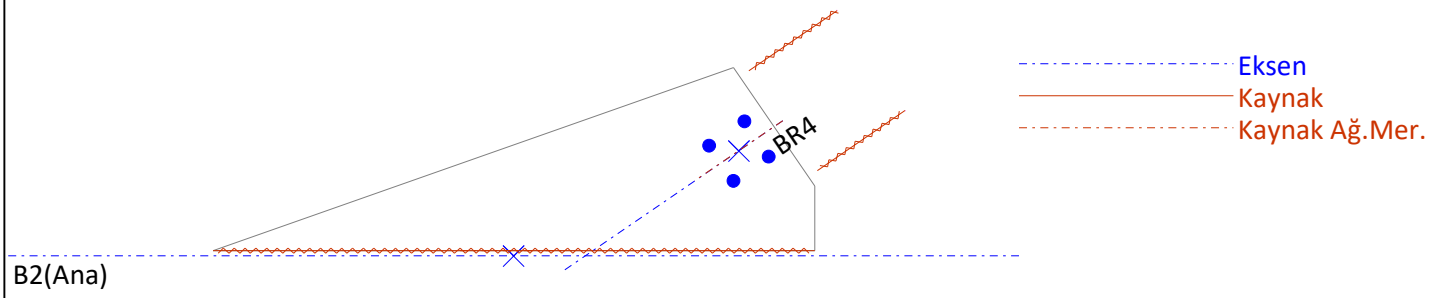
Bulon aralıkları uygun....√

$R_n = 0.6F_y A_{gv} + F_u A_{nt} \rightarrow \phi R_n$:36.251TonF **(13.19)**

Blok yırtılması için kayma yüzeyi uzunluğu:20cm, çekme yüzeyi uzunluğu 4cm



Konstriktif kurallara uyuldu >>> √



Ana eleman (**B2[33]**) birleşim hesaplarında, yükler diğer çubukların toplamından, eksantrisite diğer çubukların kesişiminden hesaplanmıştır.

Kulanılan kaynak kalınlıkları:3 , 4 mm

Eksantrik Kaynak Hesapları

W: mukavemet momenti

Çubuk/ID	e	A	W	Cmb	Krit	$F_{//}$	$F_{\perp}$	σ	$\tau_{//}$	$\tau_{\perp}$	ζ
	cm	cm²	cm³			TonF	TonF	kgF/cm²	kgF/cm²	kgF/cm²	
B2/33	0	32	213.33	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	KAY	0.62902	0.42731	0	19.657	13.353	92.687
BR4/392	0	11.28	17.671	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	BUL	0.76044	0.0021153	0	67.415	0.18753	32.672

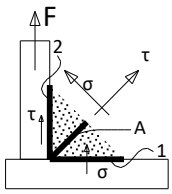
Kaynak tekil yük ve gerilmeleri

Çubuk/ID	$F_{ÇB//}$	$F_{ÇB\perp}$	M	Aln Or.	Mom2F	$F_{KAY//}$	$F_{KAY\perp}$	A_{KAY}	$\tau_{//}$	$\tau_{\perp}$	ζ
	TonF	TonF	TonF.m		cm	TonF	TonF	mm²	kgF/cm²	kgF/cm²	
BR4[ID:392]	0.76044	0.0021153	0	0.0034749	5.4149	7.3506E-06	0.0026425	3✕1.3157=3.9471	0.18623	66.946	32.901
				0.0034749	5.4149	7.3506E-06	0.0026425	3✕1.3157=3.9471	0.18623	66.946	32.901
				0.49652	880.32	0.37757	0.0010503	3✕188=563.99	66.946	0.18623	32.901
				0.49653	880.32	0.37758	0.0010503	3✕188=564	66.946	0.18623	32.901

Bazı kaynaklarda yönetmelik uzunluk sınırlamasından dolayı tam boy kullanılamadı.(55.48 >>> 40cm)

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Köşe kaynak üç kesit üzerinden kontrol edilmektedir, Kaynağa dik kuvvet 1. kesitte $\sigma_{\perp}$, 2. kesitte $\tau_{\perp}$, Ara kesitte(A) $\sigma_{\perp}$ ve $\tau_{\perp}$ oluşturmaktadır.



$$\sqrt{\sigma_{\perp}^{2} + \left(\tau_{\perp}^{2} + \tau_{//}^{2}\right)} \le \phi \cdot F_{nw} \qquad F_{nw} = Max\left[0.6 \cdot f_{u} \; ; \; f_{y}\right] \quad \textbf{(TABLO 13.5)}$$

Gerilme kriteri olarak tablo 13.5'deki en olumsuz durum kullanılmıştır.

Malzeme S235 için, f_u:4894.6kgF/cm², f_y:2396.3kgF/cm², F_{nw}:2936.8kgF/cm², ø:0.75, ø*F_{nw}:2202.6kgF/cm²

$\tau_{//}$:67.415kgF/cm², $\tau_{\perp}$:0.18753kgF/cm², $\sigma_{\perp}$:0kgF/cm² >>> Güvenlik katsayısı **ζ: 32.67** uygun...√

Kaynak Güvenlik katsayısı **ζ: 32.67** Kaynak emniyet gerilmesi aşılmadı >> √

Tablo: Kuvvet dayanımı ile hesap

Elm	F[TonF]	V	M[TonF.m]	F//[TonF]	FM	F//M	F⊥	FBil	Sinθ	Rd[TonF]	ζ
BR4[392]	0.76044	0.0021153	0	7.3506E-06	0	7.3506E-06	0.0026425	0.0026425	1	0.13041	49.35
				7.3506E-06	0	7.3506E-06	0.0026425	0.0026425	1	0.13041	49.35
				0.37757	0	0.37757	0.0010503	0.37757	0.0027817	9.3182	24.68
				0.37758	0	0.37758	0.0010503	0.37758	0.0027817	9.3183	24.68

Bulon Hesapları

Çubuk/ID	Adet	Çap[mm]	Tek/Çift tesir	Mak.Al[cm²]	Ezil.Al	Cmb	Krit	ΣF[TonF]	F
BR4/392	4	12	Tek	1.131	0.79318	1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	BUL	0.76044	0.19011

Mak.Al: Bulon enkesit alanı, Ezil.Al:Bulon ezilme alanı(tmin'a göre)

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$$R_{nt} = F_{nt} \cdot A_b \qquad R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b \qquad \frac{V}{R_d} > 0.3 \Rightarrow F'_{nt} = 1.3F_{nt} - \frac{F_{nt}}{\phi \cdot F_{nv}} f_{rv} \le F_{nt} \quad \textbf{(13.10)}$$

ø:0.75, d: 12mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:1.131cm² (Tek tesirli) , t_{Ezilme}:1cm, A_b:1.2cm²

Tek bulon çekme dayanımı N_{rt}:3.2436TonF, kayma dayanımı V_{rv}:1.9461TonF , ezilme dayanımı V_{rv}:8.8104TonF

V: 0.19011TonF

Bulon Güvenlik katsayısı **ζ: 10.24** Bulon emniyet gerilmesi aşılmadı >> √

Levha kopması Güvenlik katsayısı **ζ: 23.19** uygun...√

10.1. B7[36]-MK4[468] birleşimi

Birleşim emniyet faktörü(Dayanım/Etki) **ζ: 2,8**

Ana kiriş nokta 3.7393/0.70976/5.95m, yan kiriş nokta 3.75/0.77899/5.95m , birleşim ankastre kabul edilmiştir.

10.1.1. İki eksenli bulon hesabı

Asal eksen yönünde tarafsız eksen çizgisi Y:∞cm, levhada basınç yönü: 0.594/0.805(uzayda:0.584/-0.105/0.805)

Olumsuz komb: 1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez, tasarım kuvvetleri N: 0.24726TonF, V2: 0.11318TonF, V3: 0.16989TonF, M2:0.19372TonF.m, M3:-0.14287TonF.m, T:-0.032748TonF.m

10.1.2. TS-EN1993-1-8:2005 uyumlu birleşim hesapları

Component 7, Guse/Kiriş başlık ezilme: kiriş ve guse W_{plas}:221.36cm³, moment dayanımı $M_{c,Rd}$:5.3046TonF.m

F_{Ed}: 1.9161TonF ≤ , başlık/guse ezilme dayanımı $F_{c,fb,Rd}$: 28.329TonF (EN 1993-1-8:2005 6.2.6.7)

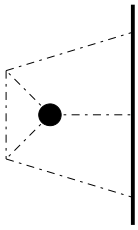
Eleman gövdesi ezilme/kesme Güvenlik katsayısı **ζ: 14.78** uygun...√

e: Açık kenara uzaklık, **m:** rijit elemana uzaklık, **p:** bulonlar arası kesintisiz uzaklık, **w:** bulonlar arası kesintili uzaklık

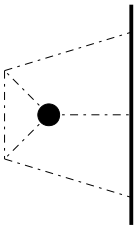
Tablo: Component 5-Bulonlara bağlı alın levhası dayanımları(levha et kalınlığı: 1cm)

	B/G	Şekil	Crc	P.F.	Bln	m[cm]	e	w	m2	p
	$l_{eff,Crc}$ [cm]	$l_{eff,NCrc}$	$M_{pl,Rd1}$ [TonF.m]	$M_{pl,Rd2}$	$M_{pl,RdBP}$	$F_{t1,Rd}$ [TonF]	$F_{t2,Rd}$	$F^*_{t,Rd}$	k[mm]	k*
1°	B	End	H	E	2	1.04	4.0794	4	5.575	-
	6.5345	8.284	0.035588	0.045116	0	13.688	7.0914	3.5457	66.28	33.14
2°	B	End	H	E	2	1.04	4.0794	4	9.575	-
	6.5345	8.284	0.035588	0.045116	0	13.688	7.0914	3.5457	66.28	33.14
3°	B	End	H	E	2	1.04	4.0794	4	5.575	-
	6.5345	8.284	0.035588	0.045116	0	13.688	7.0914	3.5457	66.28	33.14
4°	B	Ara	H	E	4	1.04	4.0794	4	9.575	4
	14.535	11.179	0.060885	0.060885	0	23.417	11.674	2.9186	89.445	22.361
5°	B	Ara	H	E	4	1.04	4.0794	4	9.575	4
	14.535	11.179	0.060885	0.060885	0	23.417	11.674	2.9186	89.445	22.361
6°	B	Ara	H	E	6	1.04	4.0794	4	9.575	8
	22.535	15.179	0.08267	0.08267	0	31.796	16.772	2.7953	121.45	20.242
7†	B	Corner	H	H	3	1.04	4.0794	8	5.575	-
	9.8018	12.914	0.053382	0	0	10.266	10.266	3.422	78.424	26.141
8†	B	Corner	H	H	3	1.04	4.0794	8	5.575	-
	9.8018	12.914	0.053382	0	0	10.266	10.266	3.422	78.424	26.141

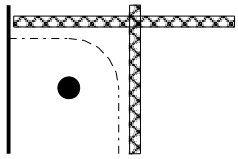
B/G: Bireysel/Grup çalışması; Crc: Dairesel akma çizgisi P.F.: Prying Force oluşumu °:Ana yön momenti †:Zayıf yön momenti



Tekil End NonC



Tekil Ara NonC



Tekil Corner NonC

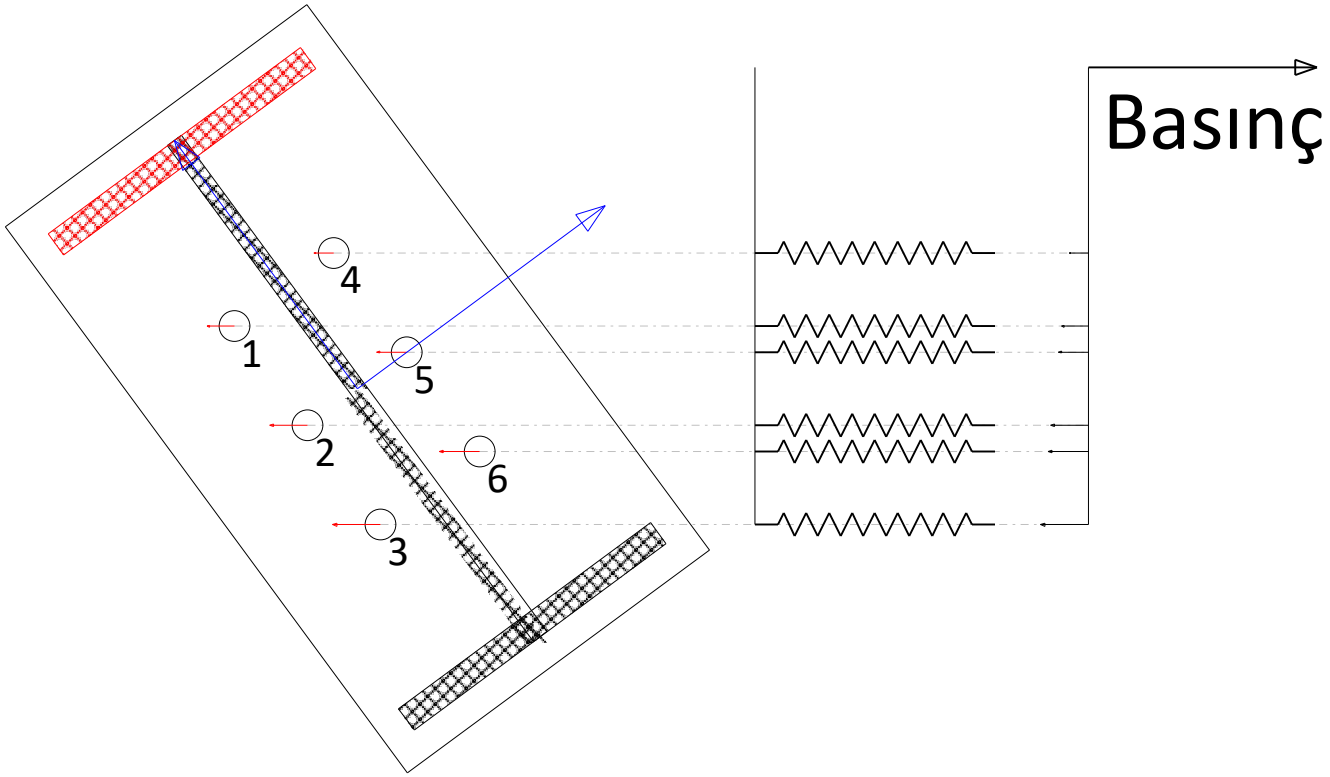
1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez yüklemesi, N: 0.24726TonF, V2: 0.11318TonF, V3: 0.16989TonF, M2: 0.19372TonF.m, M3: -0.14287TonF.m

Tablo: Birleşim Kapasitesi

Tip	Basınç	Ana	Kesme Bul	Vr[TonF]	Mr[TonF.m]	ζ
Levha	Alt	Ana	1	3.8923	1.3417	
Levha	**Üst**	**Ana**	**1**	**3.8923**	**1.3417**	**4.16**
Levha	Alt	Ana	2	7.7846	0.78268	
Levha	Üst	Ana	2	7.7846	0.78268	
Levha	**Alt**	**Zayıf**	**1**	**5.8384**	**0.59367**	**4.16**
Levha	Üst	Zayıf	1	5.8384	0.59367	

Tablo: Her bulon için aktarma elemanı rijitlikleri

	X/Y[mm]	k1[mm]	k2	k3	k4	k5	Lb	k10	Σk[mm]
		Gövde Kayma	Gövde Ezilme	Gövde Çekme	Başlık Eğlme	Levha Eğilme		Bulon	
1	-20/40	-	-	-	-	20.242	45	2.0106	1.8289
2	-20/0	-	-	-	-	20.242	45	2.0106	1.8289
3	-20/-40	-	-	-	-	20.242	45	2.0106	1.8289
4	20/40	-	-	-	-	20.242	45	2.0106	1.8289
5	20/0	-	-	-	-	20.242	45	2.0106	1.8289
6	20/-40	-	-	-	-	20.242	45	2.0106	1.8289



Tablo: "1.2G + Q + 0.2SN - 0.3Ex + Ey + 0.3Ez" kombinasyonu kuvvetleri(N:0.24726TonF, M:0.24071TonF.m)

	Yer	F-TonF	x-cm	M-TonF.m	$F_{T,Prof}$	$F_{T,Alın}$	$F_{T,BULON}$
B:1	-2/4	-0.25707	2.0322	-0.005224	-	-	*2.9118
B:2	-2/0	-0.35573	-1.1871	0.0042228	-	-	*2.9118
B:3	-2/-4	-0.4544	-4.4063	0.020022	-	-	*2.9118
B:4	2/4	-0.1843	4.4063	-0.0081208	-	-	*2.9118
B:5	2/0	-0.28297	1.1871	-0.003359	-	-	*2.9118
B:6	2/-4	-0.38164	-2.0322	0.0077554	-	-	*2.9118
Profil	0/9.575	2.1634	10.419	0.22541			
Σ		0.24726		0.24071			

Açıklama 1: Moment yönüne göre profil başlığı veya (varsa)guse levhasında basınç oluşur. Basınç elemanının sonuçları **"Profil"** satırında verilmiştir.

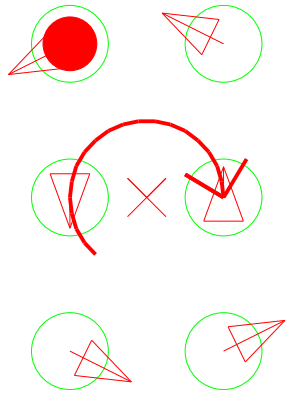
Açıklama 2: $F_{T,xx}$ değerleri, birleşim vasıtası dayanımlarını gösterir. Tablodaki "*" işareti, o bulon için en zayıf birleşim vasıtasını ifade eder. Yetersizlik durumunda, yetersiz olan elemana göre birleşimi düzenleyin. Örneğin kolon profili yetersizse, kolon et kalınlığı artırılabilir yada kolona rijitleştirici levhalar eklenebilir.

N/A aktif olmayan bulon sırası

Tablo: Component metod çok bulonlu göçme şekilleri(M2 ana yön etkin)

Parça	No	Tanım	Bulon S.	Sira S.	Yön	Ftop[TonF]	FtRd	ζ
Levha	1	Tekil End NonC	2	1	M2(Ana)	0.83604	7.0914	8.48 √
Levha	2	Tekil End NonC	2	1	M2(Ana)	0.6387	7.0914	11.1 √
Levha	3	Tekil End NonC	2	1	M2(Ana)	0.44137	7.0914	16.07 √
Levha	4	Tekil Ara NonC	4	2	M2(Ana)	1.4747	11.674	7.92 √
Levha	5	Tekil Ara NonC	4	2	M2(Ana)	1.0801	11.674	10.81 √
Levha	6	Tekil Ara NonC	6	3	M2(Ana)	1.9161	16.772	8.75 √
Levha	7	Tekil Corner NonC	3	1	M3(Zayıf)	1.0672	10.266	N/A
Levha	8	Tekil Corner NonC	3	1	M3(Zayıf)	0.8489	10.266	N/A

Burulma Momenti Hesabı



Bulon koordinatları[cm]	X	Y	Xam	Yam	ri	ri²[cm²]
1	-2	4	-2	4	4.4721	20
2	-2	0	-2	0	2	4
3	-2	-4	-2	-4	4.4721	20
4	2	4	2	4	4.4721	20
5	2	0	2	0	2	4
6	2	-4	2	-4	4.4721	20
Toplam polar atalet momenti					Σri²:	88

V2: 0.11318TonF, V3: 0.16989TonF, T: -0.032748TonF.m

Tek bulon için Kesme kuvvetinden oluşen yatay kuvvet V_V:0.018863/0.028315TonF, burulma momentinden oluşan yatay kuvvet V_T :0.14885/0.074427TonF

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

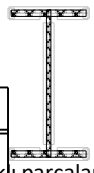
$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt} :3823.9kgF/cm², F_{nv} :2294.4kgF/cm², A_b :1.131cm² (Tek tesirli) , t_{Ezilme} :1cm, A_b :1.2cm²

Tek bulon çekme dayanımı N_{rt} :3.2436TonF, kayma dayanımı V_{rv} :1.9461TonF , ezilme dayanımı V_{rv} :10.572TonF

F: 0.4544TonF, V: 0.19669TonF

Tablo: Birleşim ve 1m IPE 200 kesiti dönme rijitliği(Tam kaynak sistemi, birleşimde rijitlik azaltılmadı)

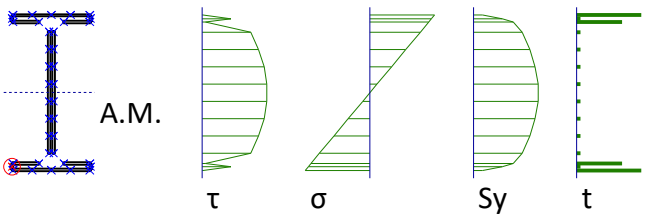
Basınç yönü	Initial stiffness[TonF.m/rad]	Secant stiffness	Kesit dönme rij	Oran
0.98436/-0.17617/0	557.23	278.62	116.25	0.41723
-0.98436/0.17617/-0	557.23	278.62	116.25	0.41723
+Z	2290.5	1145.3	1597.8	1.3951
-Z	2290.5	1145.3	1597.8	1.3951

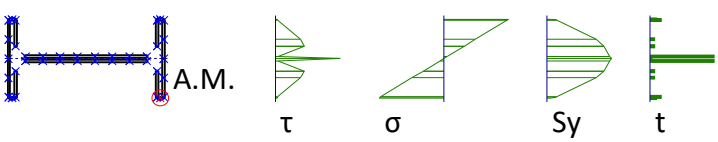


Şekil:Kaynaklı parçalar

ζ_{Bulon} :6.41, ζ_{Levha} :7.92, Güvenlik katsayısı **ζ: 6.41** uygun...√

Kaynak mukavemet hesapları

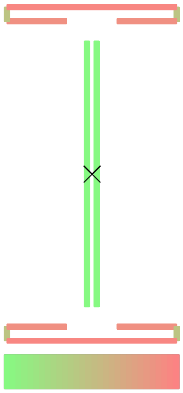




Kesit A: 20.946cm², I_X :1263.4cm⁴, I_Y :130.65cm⁴, tanım yerine göre A.M.: 0/0cm, kuv. tatbik noktası(A.M.e göre): 0/0cm

W_X :124.48cm³, W_Y :24.984cm³ , $W_{X\text{-}PLS}$:147.91cm³, $W_{Y\text{-}PLS}$:37.499cm³

Tablo: Kaynak bilgisi ve 10.197TonF.cm moment için gerilme dağılımı



Dir	p1[cm]	L	KK	A[cm²]	τM[kgF/cm²]	F[TonF]	M[TonF.cm]
-Y	-5.0794/-9.15	0.85	5.0794	0.255	57.578	0.014682	0.074579
+X	-5.0794/-9.15	3.5759	9.15	0.89278	103.72	0.092599	0.84728
+X	1.5035/-9.15	3.5759	9.15	0.89278	103.72	0.092599	0.84728
-Y	5.0794/-9.15	0.85	5.0794	0.255	57.578	0.014682	0.074579
+X	-5.0794/-10	10.159	10	2.8677	113.36	0.32507	3.2507
-Y	-0.28445/7.95	15.9	0.28445	4.59	3.2244	0.0148	0.0042098
+Y	0.28445/-7.95	15.9	0.28445	4.59	3.2244	0.0148	0.0042098
+Y	5.0794/9.15	0.85	5.0794	0.255	57.578	0.014682	0.074579
-X	5.0794/9.15	3.5759	9.15	0.89278	103.72	0.092599	0.84728
-X	-1.5035/9.15	3.5759	9.15	0.89278	103.72	0.092599	0.84728
+Y	-5.0794/9.15	0.85	5.0794	0.255	57.578	0.014682	0.074579
-X	5.0794/10	10.159	10	2.8677	113.36	0.32507	3.2507
Σ	0/0			19.506			10.197

Olumsuz komb: 1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez, N:0.43641TonF, V_2 :-0.0037805TonF, V_3 :0.18084TonF, M_2 :0.19099TonF.m, M_3 :0.15968TonF.m

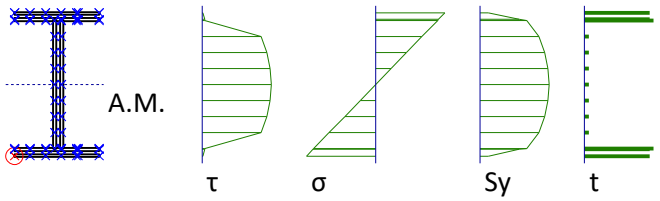
Tanımlanan minimum kaynak eksantrisitesi: 2.5cm(kesme kuvveti çarpanı)

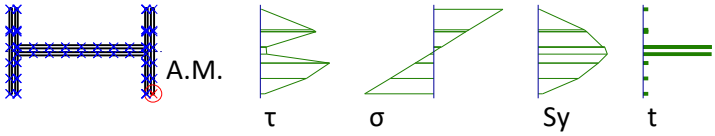
Burulma etkisi hesaba alınmıştır, M_b :-0.033227TonF.m, kesme ve burulma kuvveti ile oluşan kayma gerilmeleri toplamı: $\tau_{//}$ = 7.861 + 18.762 = 26.623kgF/cm² , $\tau_{\perp}$ = 0.022368 + 0 = 0.022368kgF/cm²

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u :4894.6kgF/cm², f_y :2396.3kgF/cm², F_{nw} :2936.8kgF/cm², ø:0.75, ø*F_{nw} :2202.6kgF/cm²

$\tau_{//}$:26.623kgF/cm², $\tau_{\perp}$:0.022368kgF/cm², $\sigma_{\perp}$:786.4kgF/cm² >>> Güvenlik katsayısı **ζ: 2.8** uygun...V

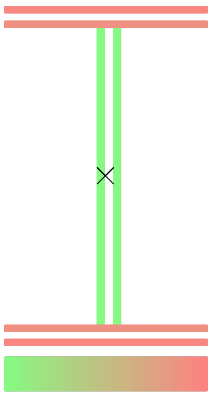




Kesit A: 34.094cm², I_X :2195.9cm⁴, I_Y :243.93cm⁴, tanım yerine göre A.M.: 0.071077/0cm, kuv. tatbik noktası(A.M.e göre): 0/0cm

W_X :215.29cm³, W_Y :40.124cm³ , $W_{X\text{-}PLS}$:253.25cm³, $W_{Y\text{-}PLS}$:66.463cm³

Tablo: Kaynak bilgisi ve 10.197TonF.cm moment için gerilme dağılımı



Dir	p1[cm]	L	KK	A[cm²]	τM[kgF/cm²]	F[TonF]	M[TonF.cm]
+Y	-0.33447/-9.15	18.3	0.28968	7	1.8983	0.013288	0.0038493
-Y	0.66553/9.15	18.3	0.71032	7	4.6549	0.032585	0.023146
-X	2.8917/-10	8.9711	10	3.2684	65.533	0.21419	2.1419
+X	-6.0794/-9.15	8.9711	9.15	3.2684	59.962	0.19598	1.7932
-X	2.8917/9.15	8.9711	9.15	3.2684	59.962	0.19598	1.7932
+X	-6.0794/10	8.9711	10	3.2684	65.533	0.21419	2.1419
-X	6.0794/-10	3.1878	10	0.95511	65.533	0.062591	0.62591
+X	2.8917/-9.15	3.1878	9.15	0.95511	59.962	0.057271	0.52403
-X	6.0794/9.15	3.1878	9.15	0.95511	59.962	0.057271	0.52403
+X	2.8917/10	3.1878	10	0.95511	65.533	0.062591	0.62591
Σ	-0.044797/0			30.894			10.197

Olumsuz komb: 1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez, N:0.43641TonF, V_2:-0.0037805TonF, V_3:0.18084TonF, M_2:0.19099TonF.m, M_3:0.15968TonF.m

Tanımlanan minimum kaynak eksantrisitesi: 2.5cm(kesme kuvveti çarpanı)

Burulma etkisi hesaba alınmıştır, M_b:-0.033227TonF.m, kesme ve burulma kuvveti ile oluşan kayma gerilmeleri toplamı: $\tau_{//}$ = 0.018074 + 21.354 = 21.372kgF/cm² , $\tau_{\perp}$ = 0.10152 + 0 = 0.10152kgF/cm²

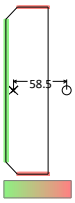
13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u:4894.6kgF/cm², f_y:2396.3kgF/cm², F_{nw}:2936.8kgF/cm², ø:0.75, ø*F_{nw}:2202.6kgF/cm²

$\tau_{//}$:21.372kgF/cm², $\tau_{\perp}$:0.10152kgF/cm², $\sigma_{\perp}$:490.48kgF/cm² >>> Güvenlik katsayısı **ζ: 4.49** uygun...√

Ana elemana bağlı levha kalınlığı (1cm) kiriş gövde/başlık kalınlığından(0.56cm) fazla..√

Kaynak farklı düzlemlerdeki levhaları birleştiriyor. Sistemde kaynak boyunca sabit τ oluşur. Kaynak ağırlık merkezinde: N: 0.43025TonF, V: 0.18084TonF, M: 1.058TonF.cm, Mom>τ_X:34.115kgF/cm², Mom>τ_Y:3.2888kgF/cm² , Vx>τ_X:129.58kgF/cm², Vy>τ_Y:19.96kgF/cm²



Tablo: Kaynak bilgisi ve 1.058TonF.cm moment için gerilme dağılımı

Dir	p1[cm]	p1(A.M.)	L	KK	A[cm²]	τM[kgF/cm²]	F[TonF]	M[TonF.cm]
-X	75.986/604.15	3.9378/9.15	3.3669	9.15	0.83008	34.115	0.028318	0.25911
+X	72.443/604.15	0.39536/9.15	3.3669	9.15	0.83008	34.115	0.028318	0.25911
-Y	71.342/602.85	-0.70592/7.85	15.7	0.70592	4.53	2.632	0.011923	0.0084166
+Y	71.166/587.15	-0.88209/-7.85	15.7	0.88209	4.53	3.2888	0.014898	0.013142
+X	72.619/585.85	0.57085/-9.15	3.3669	9.15	0.83008	34.115	0.028318	0.25911
-X	75.81/585.85	3.7623/-9.15	3.3669	9.15	0.83008	34.115	0.028318	0.25911
Σ	72.048/595				12.38			1.058

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u:4894.6kgF/cm², f_y:2396.3kgF/cm², F_{nw}:2936.8kgF/cm², ø:0.75, ø*F_{nw}:2202.6kgF/cm²

$\tau_{//}$:163.7kgF/cm² >>> Güvenlik katsayısı **ζ: 13.46** uygun...√

10.2. B2[31]-B11[472]-B9[471] birleşimi

10.2.1. Gövde bulonu hesabı

En elverişsiz yükleme:1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez, N:0.045122TonF, V:-0.071904TonF, M:7.2046E-05TonF.m

İşlem: M_2=M_2*0, M_3=M_3*0

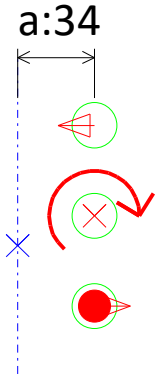
Tasarım için N: 0.045122TonF V:-0.071904TonF M:0TonF.m

Birleşim vasıtası için ek eksantrisite: 3.4cm

Bulon ağırlık merkezinde moment Mg'=Mg±V.a Mg':0.0024447TonF.m

Çift tesirli bulonlar.

Bulon koordinatları[cm]	X	Y	Xam	Yam	ri	ri²[cm²]
1	3.4	-2.675	0	-4	4	16
2	3.4	1.325	0	0	0	0
3	3.4	5.325	0	4	4	16
Toplam polar atalet momenti					Σri²:	32



Kuvveti karşılayan bulon sayısı: 3, Min.Et kalınlığı: 5.6mm

Çift tesirli bulon çapı: 12mm enkesit alanı: 113.1mm²

Bir bulonda moment ile oluşan kuvvet N1mX: 0.030559TonF N1mY:0TonF

Bir bulonda N ve V ile oluşan kuvvet N1nX: 0.015041TonF N1vY:0.023968TonF

Bulonda toplam kuvvet N1X: 0.0456TonF N1Y:0.023968TonF N1xy:0.051515TonF

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:1.131cm² (Çift tesirli) , t_{Ezilme}:0.56cm, A_b:0.672cm²

Tek bulon çekme dayanımı N_{rt}:3.2436TonF, kayma dayanımı V_{rv}:3.8923TonF , ezilme dayanımı V_{rv}:5.9206TonF

V: 0.051515TonF, Güvenlik katsayısı **ζ: 75.56** uygun...√

Köşebent L 60 x 60 x 4

Kesme kuvveti aktarılan kısımda levha yüksekliği: 12cm, t: 0.4cm, A: 4.8cm²

Levha kesme kuvveti dayanımı: F_H:8.6484TonF, F_{Hz}:10.002TonF

V:0.071904TonF, levha kesme dayanımı için Güvenlik katsayısı **ζ: 100** uygun...√

Levha tasarım M_{ED}:0.24447TonF.cm, N_{ED}:0.045122TonF ,dayanım M_{RD}:69.014TonF.cm, N_{RD}:23.005TonF >> Güvenlik katsayısı **ζ: 100**

10.2.2. Gövde bulonu hesabı

En elverişsiz yükleme:1.2G + Q + 0.2SN - 0.3Ex - Ey + 0.3Ez, N:0.066093TonF, V:-0.045419TonF, M:-0.00019799TonF.m

İşlem: $M_2 = M_2 * 0$, $M_3 = M_3 * 0$

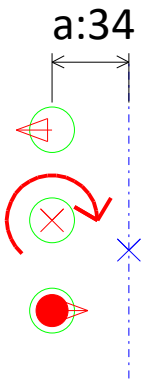
Tasarım için N: 0.066093TonF V:-0.045419TonF M:0TonF.m

Birleşim vasıtası için ek eksantrisite: 3.4cm

Bulon ağırlık merkezinde moment Mg'=Mg±V.a Mg':0.0015442TonF.m

Çift tesirli bulonlar.

Bulon koordinatları[cm]	X	Y	Xam	Yam	ri	ri²[cm²]
1	-3.4	-2.675	0	-4	4	16
2	-3.4	1.325	0	0	0	0
3	-3.4	5.325	0	4	4	16
Toplam polar atalet momenti					Σri²:	32



Kuvveti karşılayan bulon sayısı: 3, Min.Et kalınlığı: 5.6mm

Çift tesirli bulon çapı: 12mm enkesit alanı: 113.1mm²

Bir bulonda moment ile oluşan kuvvet N1mX: 0.019303TonF N1mY:0TonF

Bir bulonda N ve V ile oluşan kuvvet N1nX: 0.022031TonF N1vY:0.01514TonF

Bulonda toplam kuvvet N1X: 0.041334TonF N1Y:0.01514TonF N1xy:0.04402TonF

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:1.131cm² (Çift tesirli) , t_{Ezilme}:0.56cm, A_b:0.672cm²

Tek bulon çekme dayanımı N_{rt}:3.2436TonF, kayma dayanımı V_{rv}:3.8923TonF , ezilme dayanımı V_{rv}:5.9206TonF

V: 0.04402TonF, Güvenlik katsayısı **ζ: 88.42** uygun...√

Köşebent L 60 x 60 x 4

Kesme kuvveti aktarılan kısımda levha yüksekliği: 12cm, t: 0.4cm, A: 4.8cm²

Levha kesme kuvveti dayanımı: F_H:8.6484TonF, F_{Hz}:10.002TonF

V:0.045419TonF, levha kesme dayanımı için Güvenlik katsayısı **ζ: 100** uygun...√

Levha tasarım M_{ED}:0.15442TonF.cm, N_{ED}:0.066093TonF ,dayanım M_{RD}:69.014TonF.cm, N_{RD}:23.005TonF >> Güvenlik katsayısı **ζ: 100**

10.2.3. Levha düzleminde çekme için bulonu tahkiki

Olumsuz kmb:1.2G + Q + 0.2SN + 0.3Ex - Ey + 0.3Ez, toplam bulon:6, V:0.16203TonF , çekme tahkiki için F: 0.049022TonF

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt} :3823.9kgF/cm², F_{nv} :2294.4kgF/cm², A_b :1.131cm² (Tek tesirli) , t_{Ezilme} :0.4cm, A_b :0.48cm²

Tek bulon çekme dayanımı N_{rt} :3.2436TonF, kayma dayanımı V_{rv} :1.9461TonF , ezilme dayanımı V_{rv} :4.229TonF

Bir bulonda makaslama tahkiki için V: 0.027006TonF, ezilme tahkiki için V: 0.03458TonF , çekme tahkiki için F: 0.0081704TonF

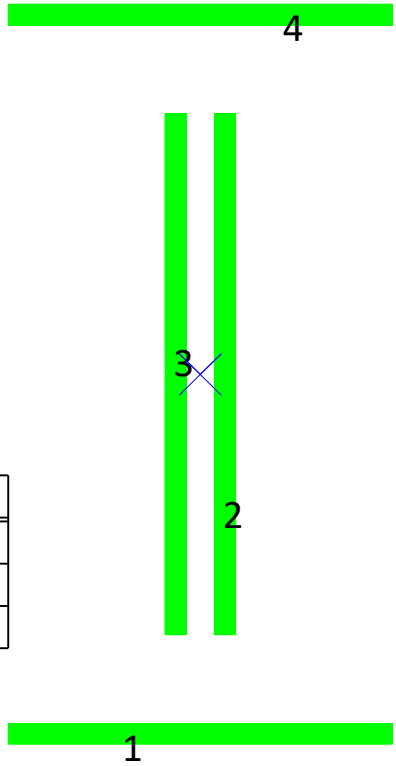
Bulon gerilmesi uygun √

Bulon Güvenlik katsayısı **ζ: 72.06** uygun...√

10.3. MK24[425]-MK28[81] birleşimi

Birleşim emniyet faktörü(Dayanım/Etki) **ζ: 1,9**

10.3.1. Alın kaynağı hesapları



Tablo: Kaynak koordinatları, hesaba alınmayan kısım çıkartıldıktan sonra belirtlmiştir

No	P1[cm]	P2	a[mm]	L[cm]
1	2.75/-5.15	-2.75/-5.15	3	4.9
2	0.355/3.73	0.355/-3.73	3	6.86
3	-0.355/-3.73	-0.355/3.73	3	6.86
4	-2.75/5.15	2.75/5.15	3	4.9

Kaynak kalınlığı(3) seçimi uygun

Tablo: MK28(0/0/1)kuvvetlerinin birleşim yönlerine dönüşüm matrisi

	Çb Eksen 1	Çb Eksen 2 >> 1/0/0	Çb Eksen 3 >> 0/1/0
Br Eksen 1 >> 0/0/1	1	0	0
Br Eksen 2 >> -1/0/0	0	-1	0
Br Eksen 3 >> 0/1/-0	0	0	1

Elverişsiz kombinasyon: 1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez, çubuk uç kuvvetleri N: -0.36509TonF, $V_{2,3}$:-0.066021/-0.19054TonF, $M_{2,3}$:0.058372/-0.017245TonF.m

Tanımlanan minimum kaynak eksantrisitesi: 2.5cm(kesme kuvveti çarpanı)

Kaynak tasarım kuvvetleri N: -0.36509TonF, $V_{2,3}$:0.066021/-0.19054TonF, $M_{2,3}$:-0.058372/-0.017245TonF.m

No	A[cm²]	y[cm]	Ay²[cm⁴]	J1[cm⁴]	At[cm²]
1	1.47	0/-5.15	0/38.988	2.9412/0	1.47/0.0735
2	2.058	0.355/0	0.25936/0	0/8.0707	0.1029/2.058
3	2.058	-0.355/0	0.25936/0	0/8.0707	0.1029/2.058
4	1.47	0/5.15	0/38.988	2.9412/0	1.47/0.0735
Σ	7.056		0.51872/77.976	5.8824/16.141	3.1458/4.263

L:kaynak uzunluğu J1:kaynağın kuvvet tatbik noktasına göre atalet momenti

y:kaynak merkezinin kesit merkezine uzaklığı At:kaynağın kesme alanına katkısı

Kaynak sistemi toplam Jx: 6.4012/94.118cm⁴

Kaynağın merkeze en uzak noktası: 2.75/5.15cm, Wx: 2.3277/18.275cm³

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u :4894.6kgF/cm², f_y :2396.3kgF/cm², F_{nw} :2936.8kgF/cm², ø:0.75, $ø*F_{nw}$:2202.6kgF/cm²

$\tau_{//}$:20.987kgF/cm², $\tau_{\perp}$:44.697kgF/cm², $\sigma_{\perp}$:1112kgF/cm² >>> Güvenlik katsayısı **ζ: 1.9** uygun...√

Kaynak güvenlik katsayısı **ζ: 1,9**

Kaynak tahkiki uygun

Bu birleşimde kapasite yüklemeleri yapmaya gerek yoktur

10.3.2. Sonlu Eleman Çözümü

Her satırda ilk çubuk için kendi eksen takımı yönünde ve birleşim eksen takımında birleşime aktarılan kuvvet verilmiştir.

Yükleme	Çubuk/ID	N-TonF	V2	V3	T-TonF.m	M2	M3
		Fx-TonF	Fy	Fz	Mx-TonF.m	My	Mz
1.2G + Q + 0.2SN - Ex + 0.3Ey + 0.3Ez	MK28/81	-0.36509	-0.066021	-0.19054	-0.00099373	0.058372	-0.017245
		-0.066021	0.36509	-0.19054	0.058372	0.00099373	-0.017245
1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	MK28/81	-0.33345	-0.070299	-0.16649	-0.0009502	0.051697	-0.016274
		-0.070299	0.33345	-0.16649	0.051697	0.0009502	-0.016274
1.2G + Q + 0.2SN - Ex - 0.3Ey + 0.3Ez	MK28/81	-0.3363	-0.070356	-0.17156	-0.00094676	0.052824	-0.016736
		-0.070356	0.3363	-0.17156	0.052824	0.00094676	-0.016736
1.2G + Q + 0.2SN + 0.3Ex + Ey + 0.3Ez	MK28/81	-0.41864	0.014002	-0.1778	0.00018891	0.070688	-0.0019362
		0.014002	0.41864	-0.1778	0.070688	-0.00018891	-0.0019362
1.2G + 1.6SN + Q + Imp	MK28/81	-0.68536	-0.025707	-0.22654	-7.0337E-05	0.092924	-0.0088009
		-0.025707	0.68536	-0.22654	0.092924	7.0337E-05	-0.0088009
1.2G + 1.6SN + Q + Imp	MK28/81	-0.68932	-0.028384	-0.22729	-0.00010277	0.092877	-0.0093049
		-0.028384	0.68932	-0.22729	0.092877	0.00010277	-0.0093049
1.2G + 1.6SN + Q + Imp	MK28/81	-0.69133	-0.02705	-0.22482	-6.9216E-05	0.092527	-0.0089428
		-0.02705	0.69133	-0.22482	0.092527	6.9216E-05	-0.0089428
0.9G + 1.6Wy + Imp	MK28/81	0.0051393	0.0058859	-0.032583	7.5026E-06	0.011127	0.00047687
		0.0058859	-0.0051393	-0.032583	0.011127	-7.5026E-06	0.00047687

Tablo: Çubukların modelde tanım yönleri

Çubuk/ID	B/S	Eksen 1	Eksen 2	Eksen 3
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1
MK28/81	BAŞ	0/-1/0	1/0/0	0/0/1

Profile doğrudan kaynaklanan birleşim için, profil başlık/gövdesinde gerilme tahkiki yapılmıştır.

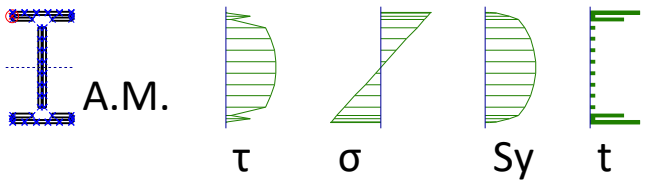
$$\sqrt{\sigma_{x,Ed}^2+\sigma_{z,Ed}^2-\sigma_{x,Ed}^2\cdot\sigma_{z,Ed}^2+3\tau_{Ed}^2}\le ø_c\cdot f_y \qquad \tau_{Ed}\le ø_v\cdot f_y \qquad ø_c\cdot f_y=2156.7 \qquad ø_v\cdot f_y=2156.7\text{kgF/cm}^2$$

σ_{MAX} :195.85kgF/cm²; τ_{MAX} :2.4291kgF/cm² , Cmb:1.2G + 1.6SN + Q + Imp, Güvenlik katsayısı **ζ: 11.01** uygun...√

10.4. MK17[62]-B3[37] birleşimi

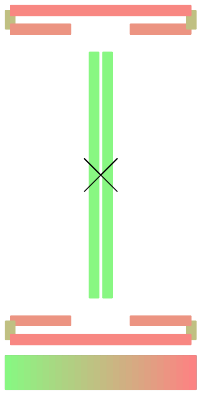
Birleşim emniyet faktörü(Dayanım/Etki) **ζ: 2,07**

Kaynak mukavemet hesapları



Kesit A: 10.674cm², I_X :161.97cm⁴, I_Y :21.741cm⁴, tanım yerine göre A.M.: 0/0cm, kuv. tatbik noktası(A.M.e göre): 0/0cm W_X :31.451cm³, W_Y :7.4967cm³ , $W_{X\text{-}PLS}$:37.881cm³, $W_{Y\text{-}PLS}$:11.382cm³

Tablo: Kaynak bilgisi ve 10.197TonF.cm moment için gerilme dağılımı



Dir	p1[cm]	L	KK	A[cm²]	τM[kgF/cm²]	F[TonF]	M[TonF.cm]
+Y	-2.75/4.43	0.57	2.75	0.171	259.25	0.044332	0.12191
-X	-0.905/4.43	1.845	4.43	0.3735	417.63	0.15599	0.69102
-X	2.75/4.43	1.845	4.43	0.3735	417.63	0.15599	0.69102
-Y	2.75/5	0.57	2.75	0.171	259.25	0.044332	0.12191
+X	-2.75/5	5.5	5	1.47	471.37	0.69291	3.4646
+Y	-0.205/-3.73	7.46	0.205	2.058	19.326	0.039773	0.0081535
-Y	0.205/3.73	7.46	0.205	2.058	19.326	0.039773	0.0081535
-Y	2.75/-4.43	0.57	2.75	0.171	259.25	0.044332	0.12191
+X	0.905/-4.43	1.845	4.43	0.3735	417.63	0.15599	0.69102
+X	-2.75/-4.43	1.845	4.43	0.3735	417.63	0.15599	0.69102
+Y	-2.75/-5	0.57	2.75	0.171	259.25	0.044332	0.12191
-X	2.75/-5	5.5	5	1.47	471.37	0.69291	3.4646
Σ	0/0			9.234			10.197

Olumsuz komb: 1.2G + 1.6SN + Imp, N:-0.040673TonF, V_2 :-0.097552TonF, V_3 :0.30049TonF, M_2 :0.071423TonF.m, M_3 :0.067234TonF.m

İşlem: N>0 ise t=t*0.5

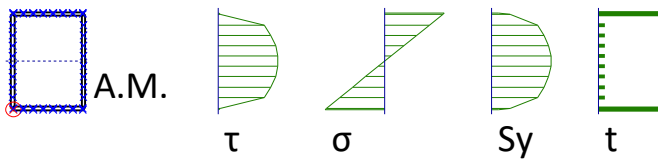
Tanımlanan minimum kaynak eksantrisitesi: 2.5cm(kesme kuvveti çarpanı)

Burulma etkisi hesaba alınmıştır, M_b :0.00010236TonF.m, kesme ve burulma kuvveti ile oluşan kayma gerilmeleri toplamı: $\tau_{//}$ = 28.069 + 0.26024 = 28.329kgF/cm² , $\tau_{\perp}$ = 1.9011 + 0 = 1.9011kgF/cm²

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u :4894.6kgF/cm², f_y :2396.3kgF/cm², F_{nw} :2936.8kgF/cm², ø:0.75, ø*F_{nw} :2202.6kgF/cm²

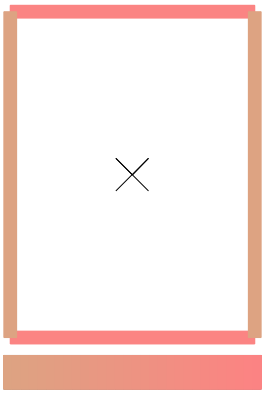
$\tau_{//}$:28.329kgF/cm², $\tau_{\perp}$:1.9011kgF/cm², $\sigma_{\perp}$:1062.2kgF/cm² >>> Güvenlik katsayısı **ζ: 2.07** uygun...√



Kesit A: 14cm², I_X :216.75cm⁴, I_Y :140.73cm⁴, tanım yerine göre A.M.: 0/0cm, kuv. tatbik noktası(A.M.e göre): 0/0cm W_X :41.682cm³, W_Y :35.628cm³ , $W_{X\text{-}PLS}$:50cm³, $W_{Y\text{-}PLS}$:41.25cm³

Tablo: Kaynak bilgisi ve 10.197TonF.cm moment için gerilme dağılımı

Dir	p1[cm]	L	KK	A[cm²]	τM[kgF/cm²]	F[TonF]	M[TonF.cm]
-X	3.75/-5	7.5	5	2.68	214.68	0.57533	2.8767
+X	-3.75/5	7.5	5	2.68	214.68	0.57533	2.8767
-Y	-3.75/5	10	3.75	3.68	161.01	0.59251	2.2219
+Y	3.75/-5	10	3.75	3.68	161.01	0.59251	2.2219
Σ	0/0			12.72			10.197



Olumsuz komb: 1.2G + 1.6SN + Imp, N:-0.040673TonF, V_2:-0.097552TonF, V_3:0.30049TonF, M_2:0.071423TonF.m, M_3:0.067234TonF.m

İşlem: N>0 ise t=t*0.5

Tanımlanan minimum kaynak eksantrisitesi: 2.5cm(kesme kuvveti çarpanı)

Burulma etkisi hesaba alınmıştır, M_b:0.00010236TonF.m, kesme ve burulma kuvveti ile oluşan kayma gerilmeleri toplamı: $\tau_{//}$ = 0.69739 + 0.2155 = 0.91289kgF/cm² , $\tau_{\perp}$ = 0.56519 + 0 = 0.56519kgF/cm²

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u:4894.6kgF/cm², f_y:2396.3kgF/cm², F_{nw}:2936.8kgF/cm², ø:0.75, ø*F_{nw}:2202.6kgF/cm²

$\tau_{//}$:0.91289kgF/cm², $\tau_{\perp}$:0.56519kgF/cm², $\sigma_{\perp}$:347.03kgF/cm² >>> Güvenlik katsayısı **ζ: 6.34** uygun...√

10.5. MK26[550]-A3[321] birleşimi

Birleşim emniyet faktörü(Dayanım/Etki) **ζ: 39,89**

Profiller birbirinin üstüne tam oturduğu için, temas yönünde kuvvetlerin 0.5 kadarının birleşim vasıtasından(kaynak+bulon) aktarıldığı varsayılmaktadır.

10.5.1. Levha düzleminde çekme için bulonu tahkiki

Olumsuz kmb:1.2G + 1.6SN + Q + Imp, toplam bulon:2, V:0.097581TonF , çekme tahkiki için F: 0.009683TonF

2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:1.131cm² (Tek tesirli) , t_{Ezilme}:0.4cm, A_b:0.48cm²

Tek bulon çekme dayanımı N_{rt}:3.2436TonF, kayma dayanımı V_{rv}:1.9461TonF , ezilme dayanımı V_{rv}:4.229TonF

F: 0.0048415TonF, V: 0.048791TonF

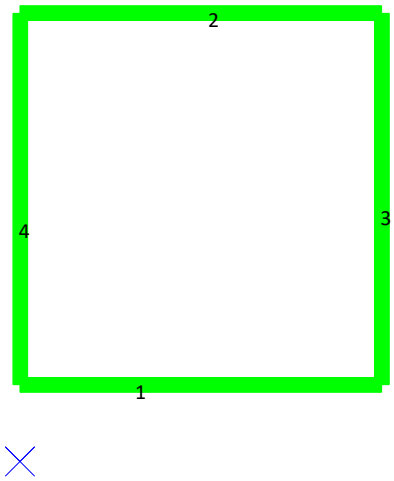
Bulon gerilmesi uygun √

Bulon Güvenlik katsayısı **ζ: 39.89** uygun...√

10.5.2. Alın kaynağı hesapları

Not: Kaynak koordinatları, hesaba alınmayan kısım çıkartıldıktan sonra belirtlmiştir

No	P1[cm]	P2	a[mm]	L[cm]
1	0/1.55	7.3/1.55	3	6.7
2	7.3/9.05	0/9.05	3	6.7
3	7.3/9.05	7.3/1.55	3	6.9
4	0/1.55	0/9.05	3	6.9



Kaynak kalınlığı(3) seçimi uygun

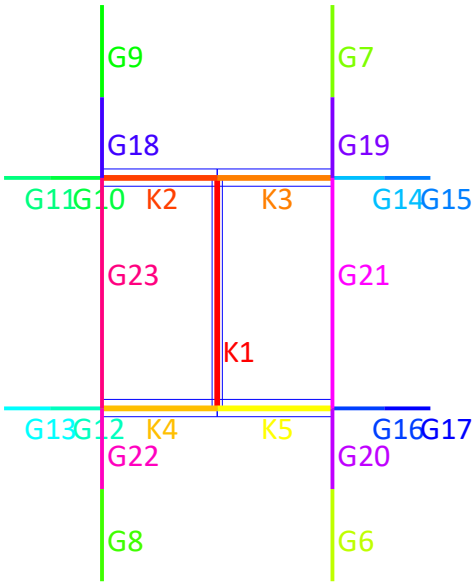
No	A[cm²]	y[cm]	Ay²[cm⁴]	J1[cm⁴]	At[cm²]
1	2.01	3.65/1.55	26.778/4.829	7.5191/0	2.01/0
2	2.01	3.65/9.05	26.778/164.62	7.5191/0	2.01/0
3	2.07	7.3/5.3	110.31/58.146	0/8.2127	0/2.07
4	2.07	0/5.3	0/58.146	0/8.2127	0/2.07
Σ	8.16		163.87/285.75	15.038/16.425	4.02/4.14

L:kaynak uzunluğu J1:kaynağın x-x ekseninde kendi merkezine göre atalet momenti
y:kaynak merkezinin kesit merkezine uzaklığı At:kaynağın kesme alanına katkısı
Kaynak sistemi toplam Jx: 178.9/302.17cm⁴, ağırlık merkezi: 3.65/5.3cm
Kaynağın merkeze en uzak noktası: 3.65/3.75cm, Wx: 49.015/80.579cm³
Basınç yükünün ağırlık merkezine taşınması Mx=Mx±|0.0365/0.053*F|
Olumsuz kombinasyon: 1.2G + 1.6SN + Imp, kaynak tasarım kuvvetleri F: 0.089817TonF, Vx:-0.038144TonF, Vy:-0.009683TonF, Mx:-0.0047737TonF.m, My:-0.0041781TonF.m

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u:4894.6kgF/cm², f_y:2396.3kgF/cm², F_{nw}:2936.8kgF/cm², ø:0.75, ø*F_{nw}:2202.6kgF/cm²
$\tau_{//}$:9.4885kgF/cm², $\tau_{\perp}$:2.3389kgF/cm², $\sigma_{\perp}$:25.455kgF/cm² >>> Güvenlik katsayısı **ζ: 75** uygun...V
Kaynak Güvenlik katsayısı **ζ: 81.08** uygun...V
Kaynak tahkiki uygun

10.5.3. Sonlu Eleman Çözümü



Tip	BasX-mm	BasY	SonX	SonY
K1	0	-100	0	100
K2	-100	100	0	100
K3	0	100	100	100
K4	-100	-100	0	-100
K5	0	-100	100	-100
G6	100	-250	100	-170
G7	100	170	100	250
G8	-100	-250	-100	-170
G9	-100	170	-100	250
G10	-100	100	-145	100

Tip	BasX-mm	BasY	SonX	SonY
G11	-145	100	-185	100
G12	-100	-100	-145	-100
G13	-145	-100	-185	-100
G14	100	100	145	100
G15	145	100	185	100
G16	100	-100	145	-100
G17	145	-100	185	-100
G18	-100	100	-100	170
G19	100	100	100	170
G20	100	-170	100	-100
G21	100	-100	100	100
G22	-100	-170	-100	-100
G23	-100	-100	-100	100

12 farklı birleşim için en büyük gerilmeyi oluşturan kombinasyona göre işlem yapılmıştır. Yeresizlik durumunda kombinasyonların alındığı **S1(ID:16), S1(ID:27), S1(ID:5) ve S1(ID:6)** elemanlarına bağlı birleşimleri inceleyin.

Her satırda ilk çubuk için kendi eksen takımı yönünde ve birleşim eksen takımında birleşime aktarılan kuvvet verilmiştir.

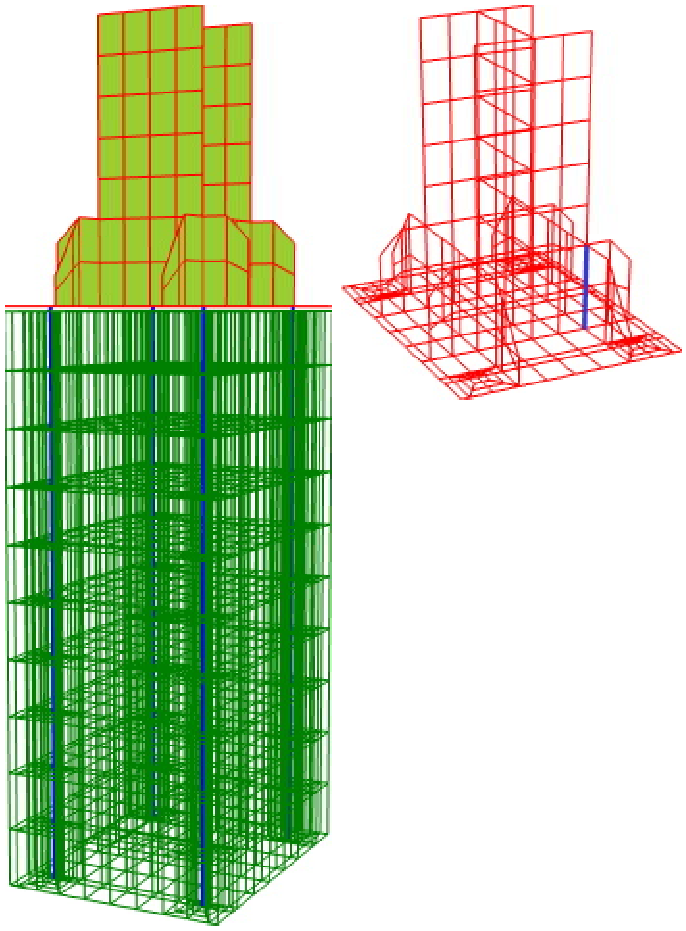
Yükleme	Çubuk/ID	N-TonF	V2	V3	T-TonF.m	M2	M3
		Fx-TonF	Fy	Fz	Mx-TonF.m	My	Mz
1.2G + Q + 0.2SN + 3Ex - 0.9Ey + 0.3Ez	S1/16	-6.9536	1.4962	0.0056252	0.001057	0.70618	1.8505
		1.4962	0.0056252	-6.9536	0.70618	1.8505	0.001057
1.2G + Q + 0.2SN - 3Ex + 0.9Ey + 0.3Ez	S1/16	15.994	-0.067268	0.12535	-0.0013061	-0.7413	-0.31744
		-0.067268	0.12535	15.994	-0.7413	-0.31744	-0.0013061
1.2G + Q + 0.2SN - 3Ex - 0.9Ey + 0.3Ez	S1/27	-21.892	-0.0025937	-0.24577	0.00052052	1.8112	-0.22612
		-0.0025937	-0.24577	-21.892	1.8112	-0.22612	0.00052052
1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez	S1/27	-15.196	0.60999	-0.85867	0.0029366	5.0129	0.63485
		0.60999	-0.85867	-15.196	5.0129	0.63485	0.0029366
1.2G + Q + 0.2SN - 3Ex - 0.9Ey + 0.3Ez	S1/5	-0.89739	-1.4951	-0.34767	-0.0010546	0.93865	-1.8506
		-1.4951	-0.34767	-0.89739	0.93865	-1.8506	-0.0010546
1.2G + Q + 0.2SN - 3Ex - 0.9Ey + 0.3Ez	S1/6	-6.9589	-1.4968	0.0059205	-0.0010649	0.70569	-1.8513
		-1.4968	0.0059205	-6.9589	0.70569	-1.8513	-0.0010649

Tablo: Çubukların modelde tanım yönleri

Çubuk/ID	B/S	Eksen 1	Eksen 2	Eksen 3
S1/16	BAŞ	0/0/1	1/0/0	0/1/0
S1/16	BAŞ	0/0/1	1/0/0	0/1/0
S1/27	BAŞ	0/0/1	1/0/0	0/1/0
S1/27	BAŞ	0/0/1	1/0/0	0/1/0
S1/5	BAŞ	0/0/1	1/0/0	0/1/0
S1/6	BAŞ	0/0/1	1/0/0	0/1/0

Güvenlik katsayısı **ζ: 1.28** uygun...√

Sonlu eleman sistemi ve kritik kaynağın yeri



Ankraj bulonu Tahkiki

Ankraj bulonları için kritik yükleme:1.2G + Q + 0.2SN - 3Ex + 0.9Ey + 0.3Ez, N:15.994TonF, M2:0.7413TonF.m, M3:0.31744TonF.m, bulon çekme kuvveti: 6.1631TonF, kesme kuvveti: 0.035566TonF

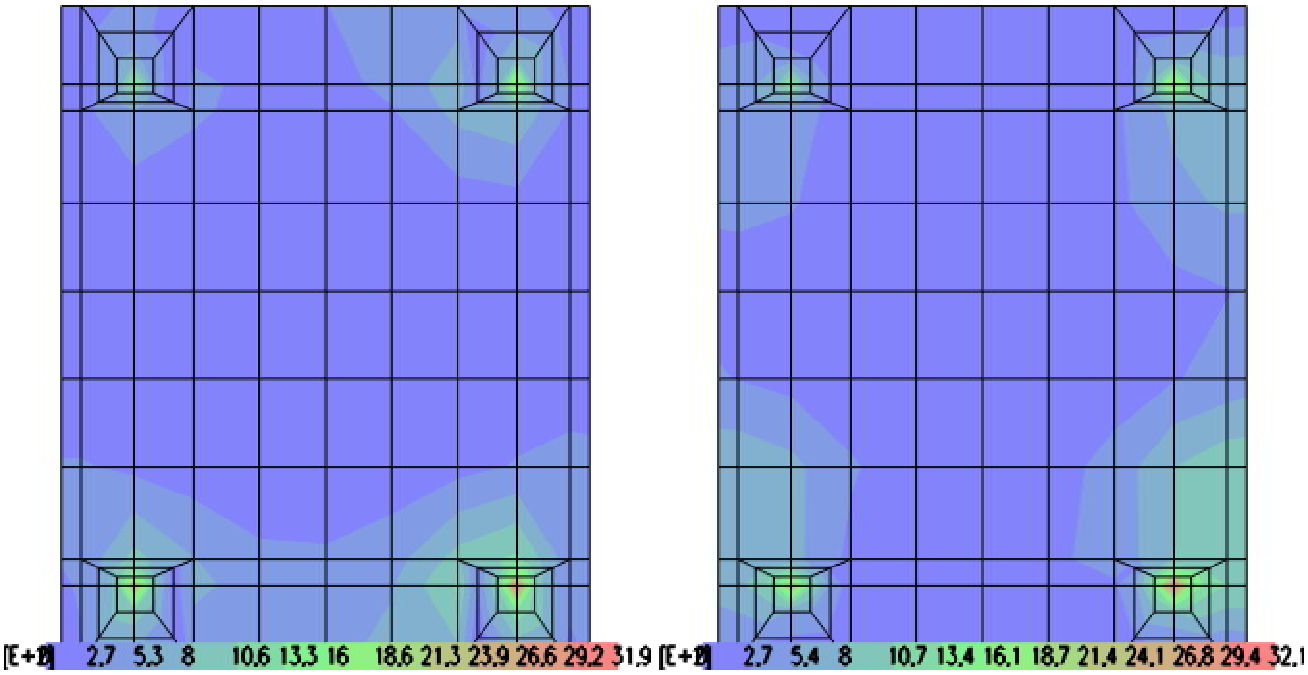
2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 24mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:4.5239cm²

Tek bulon çekme dayanımı N_{rt}:12.974TonF, kayma dayanımı V_{rv}:7.7846TonF

F: 6.1631TonF, V: 0.035566TonF, Güvenlik katsayısı **ζ: 2.11** uygun...√

Levha Gerilme Tahkiki



Gerilmeler kontrol edilirken her nokta 5cm yakınındaki diğer noktalar ile birlikte ortalama alınarak kontrol edilmiştir.

Taban levhası t: 20mm , kritik yükleme:1.2G + Q + 0.2SN - 3Ex + 0.9Ey + 0.3Ez , σ_{Ezilme} :201.82kgF/cm², tek eksenli $\sigma_{Eğilme}$:1345.4kgF/cm², çok eksenli $\sigma_{Eğilme}$:1221.5kgF/cm² (Jnt: 18.5/-17/0cm)

$\phi_c \cdot f_y$:2156.7kgF/cm²; σ_{MAX} :1345.4kgF/cm²; τ_{MAX} :0kgF/cm² , Cmb:1.2G + Q + 0.2SN - 3Ex + 0.9Ey + 0.3Ez, Güvenlik katsayısı **ζ: 1.6** uygun...√

Guse levhası t: 10mm , 18 adet guse levhası bölümü 52 gerilme elemanıyla modellenmiştir.(Jnt: 10/-10/15cm) >> $\phi_c \cdot f_y$:2156.7kgF/cm²; σ_{MAX} :639.32kgF/cm²; τ_{MAX} :0kgF/cm² , Cmb:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez, Güvenlik katsayısı **ζ: 3.37** uygun...√

1536 adet kolon gerilme elemanı düğüm noktasının, diğer levhalara bağlı 576 adetinde gerilme kontrolü yapılmıştır.

Kolon Profili t: 15mm , 5 adet profil bölümü (18 altbölüm)77 gerilme elemanıyla modellenmiştir.(Jnt: 10/-10/15cm) >> $\phi_c \cdot f_y$:2156.7kgF/cm²; σ_{MAX} :1691.5kgF/cm²; τ_{MAX} :0kgF/cm² , Cmb:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez, Güvenlik katsayısı **ζ: 1.28** uygun...√

Kaynak Tahkiki

Kaynaklar, birleştirdikleri levhaların düğüm noktalarından geçen kuvvete göre boyutlandırılmaktadır. Kaynak yönünde geçen kuvvetler toplanıp kaynak alanına bölünerek kayma gerilmesi, her noktada kaynağa dik olarak geçen kuvvete göre ezilme gerilmesi hesaplanmaktadır.

Kaynak sistemi için kritik yükleme:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez

Kritik kaynak no:21, 10/-10/15 - 10/-10/0cm noktaları arasındadır. L:15cm **a:4mm**

Taban levhası (kaynak alanı : 52.4/90.72cm²) ilgili yönde kesme kuvvetini aktarmaktadır.

Nok	Yer-cm	Parça Uz.	$F_{\perp}$ (σ)-TonF	$F_{//}$ (τ)	A-cm²	σ_1 -kgF/cm²	τ
1	10/-10/0	3.75	0.0068969	0.018014	1.5	4.598	882.9
2	10/-10/7.5	7.5	0.19914	1.9327	3	66.379	882.9
3	10/-10/15	3.75	0.49641	3.3466	1.5	330.94	882.9

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u :4894.6kgF/cm², f_y :2396.3kgF/cm², F_{nw} :2936.8kgF/cm², ø:0.75, ø*F_{nw} :2202.6kgF/cm²

$\tau_{//}$:882.9kgF/cm², $\sigma_{\perp}$:330.94kgF/cm² >>> Güvenlik katsayısı **ζ: 2.34** uygun...√

Beton Bloğu Tahkiki

Beton bloğu gerilmesi hesaplanırken, komşu bloklarda ortalama gerilme alınmıştır.

Çalışan link elemanlarından aktarılan en büyük gerilme: 59.051kgF/cm², dayanımı: 203.94kgF/cm² , konsatre dayanımı(EN 1993-1-8:2005 f:6.6): 407.89kgF/cm² , en elverişsiz yükleme:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez

Beton Güvenlik katsayısı **ζ: 6.91** uygun...√

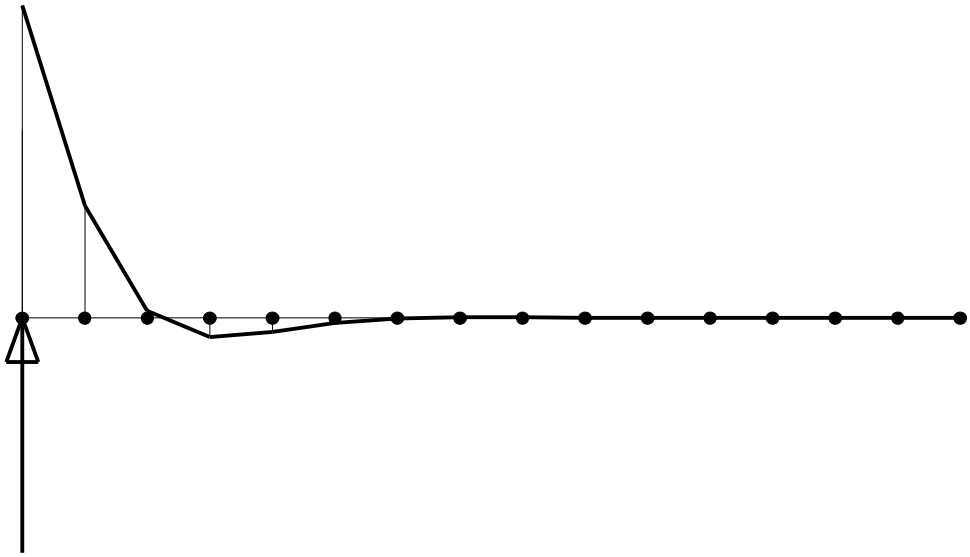
10.5.4. Levha-Beton kesme kuvveti hesabı

Beton içinde profil/ankraj kesme kapasitesi

0.75m uzunluğundaki eleman 15 parçaya bölünmüştür. Her parça 0.05m uzunluğundadır.

Genişlik: 2.4cm, Ebeton: 326309kgF/cm², her ara düğüm noktası için yay sabiti: 3915.7TonF/m

Beton ezilmesi için sonlu eleman sistemi ve yerdeğiştirme:



1N yük altında sistem maksimum yerdeğiştirmesi: 3.3954E-05mm, beton gerilmesi σ: 0.011079kgF/cm²

Beton emniyet gerilmesi Fcd: 203.94kgF/cm², taşınabilir maksimum kesme kuvveti: 1.877TonF

Profil/ankraj alanı:: 4.5239cm², kayma emniyet gerilmesi τEm: 917.74kgF/cm², taşınabilir maksimum kesme kuvveti: 4.1518TonF

Tek bir ankraj kesme kapasitesi: 1.877TonF

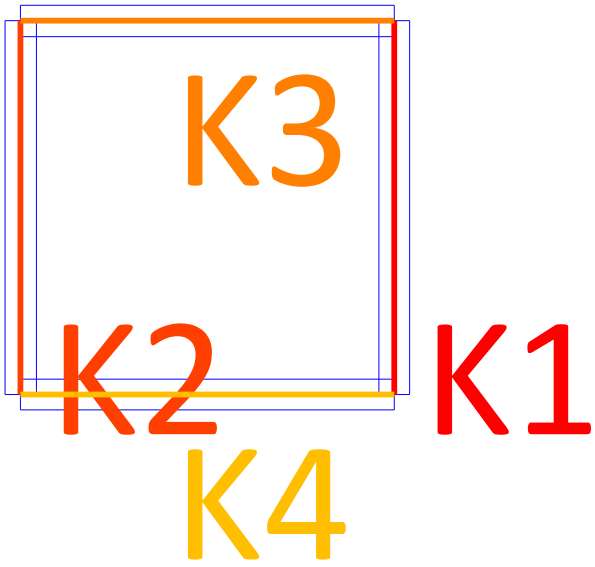
4 adet ankrajın taşıyabileceği kesme kuvveti:7.5081TonF

1.2G + Q + 0.2SN - 3Ex - 0.9Ey + 0.3Ez yüklemesi için N: -0.89739TonF, bileşke V:: 1.535TonF

Sürtünme katsayısı:0.45$F_{Sürt}$:0.40383TonF, ankrajlar ile birlikte toplam kesme dayanımı: 7.912TonF

Güvenlik katsayısı **ζ: 5.15** uygun...√

10.5.5. Sonlu Eleman Çözümü



Tip	BasX-mm	BasY	SonX	SonY
K1	30	-30	30	30
K2	-30	-30	-30	30
K3	-30	30	30	30
K4	-30	-30	30	-30

4 farklı birleşim için en büyük gerilmeyi oluşturan kombinasyona göre işlem yapılmıştır. Yeresizlik durumunda kombinasyonların alındığı **S2(ID:914) ve S2(ID:915)** elemanlarına bağlı birleşimleri inceleyin.

Her satırda ilk çubuk için kendi eksen takımı yönünde ve birleşim eksen takımında birleşime aktarılan kuvvet verilmiştir.

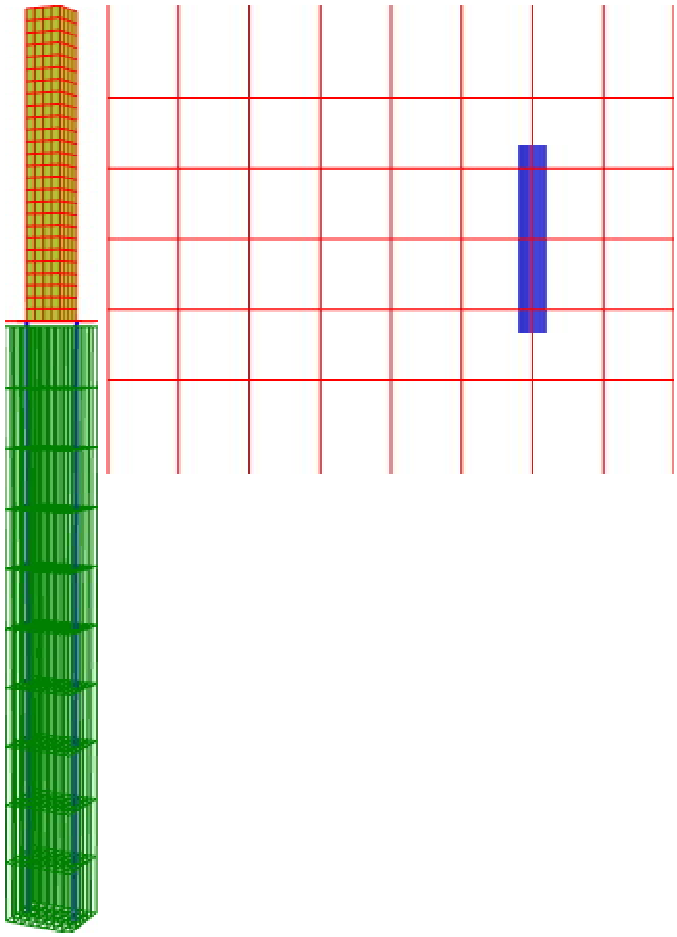
Yükleme	Çubuk/ID	N-TonF	V2	V3	T-TonF.m	M2	M3
		Fx-TonF	Fy	Fz	Mx-TonF.m	My	Mz
G + Q	S2/914	-0.13658	-0.00034744	-0.0020152	0.00018805	0.0014489	-0.00035246
		-0.00034744	-0.0020152	-0.13658	0.0014489	-0.00035246	0.00018805
1.2G + Q + 0.2SN - 3Ex + 0.9Ey + 0.3Ez	S2/914	-0.2412	-0.061323	0.015932	0.00064442	-0.021784	-0.082973
		-0.061323	0.015932	-0.2412	-0.021784	-0.082973	0.00064442
1.2G + Q + 0.2SN - 3Ex + 0.9Ey - 0.3Ez	S2/914	-0.19394	-0.061203	0.016629	0.00057936	-0.022285	-0.082851
		-0.061203	0.016629	-0.19394	-0.022285	-0.082851	0.00057936
1.2G + Q + 0.2SN - 3Ex - 0.9Ey + 0.3Ez	S2/914	-0.26817	-0.058706	-0.01677	1.9903E-05	0.019806	-0.079427
		-0.058706	-0.01677	-0.26817	0.019806	-0.079427	1.9903E-05
1.2G + Q + 0.2SN + 0.9Ex - 3Ey + 0.3Ez	S2/915	-0.23829	0.020354	-0.060927	-0.00081079	0.07468	0.02759
		0.020354	-0.060927	-0.23829	0.07468	0.02759	-0.00081079
1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez	S2/915	-0.1992	-0.013051	-0.061904	-0.00056177	0.075652	-0.018254
		-0.013051	-0.061904	-0.1992	0.075652	-0.018254	-0.00056177

Tablo: Çubukların modelde tanım yönleri

Çubuk/ID	B/S	Eksen 1	Eksen 2	Eksen 3
S2/914	BAŞ	0/0/1	1/0/0	0/1/0
S2/914	BAŞ	0/0/1	1/0/0	0/1/0
S2/914	BAŞ	0/0/1	1/0/0	0/1/0
S2/914	BAŞ	0/0/1	1/0/0	0/1/0
S2/915	BAŞ	0/0/1	1/0/0	0/1/0
S2/915	BAŞ	0/0/1	1/0/0	0/1/0

Güvenlik katsayısı **ζ: 2.1** uygun...√

Sonlu eleman sistemi ve kritik kaynağın yeri



Ankraj bulonu Tahkiki

Ankraj bulonları için kritik yükleme:1.2G + Q + 0.2SN + 0.9Ex - 3Ey + 0.3Ez, N:-0.23829TonF, M2:0.07468TonF.m, M3:0.02759TonF.m, bulon çekme kuvveti: 0.97742TonF, kesme kuvveti: 0.032118TonF

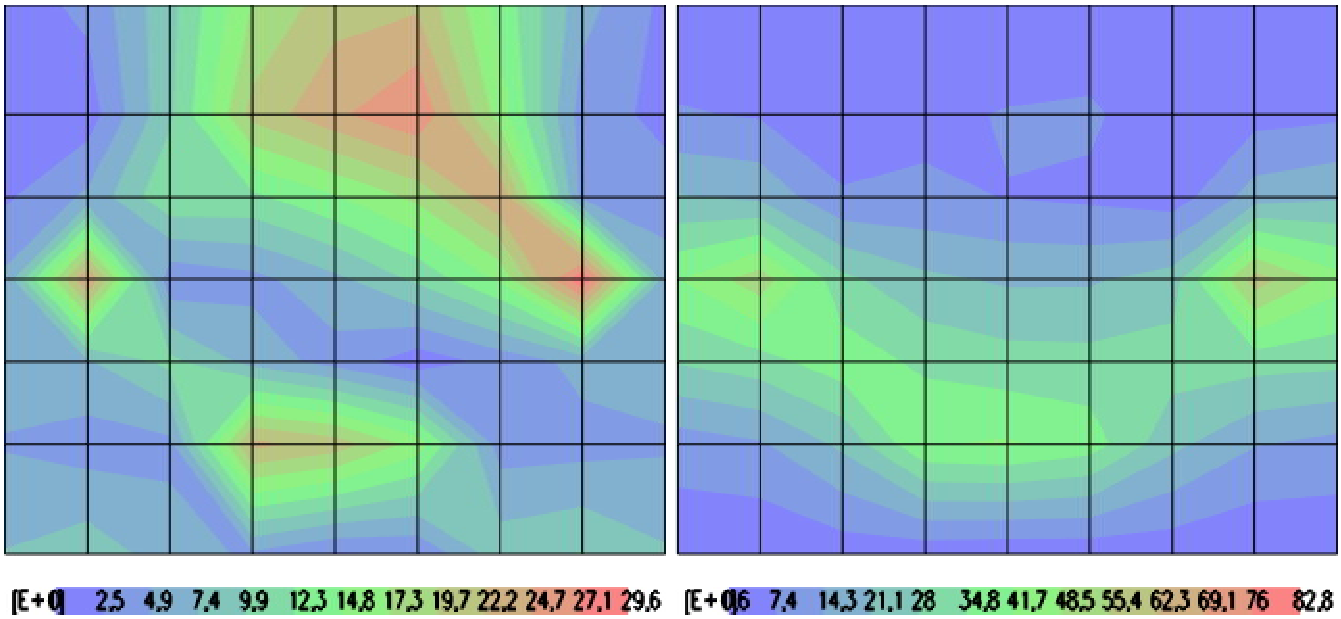
2016 ÇY 13.3.9 – Bulonlar ve Diş Açılmış Çubukların Çekme ve Kesme Kuvveti Dayanımları

$R_{nt} = F_{nt} \cdot A_b$ $R_{nv} = F_{nv} \cdot n_{sp} \cdot A_b$ ø:0.75, d: 12mm, F_{nt}:3823.9kgF/cm², F_{nv}:2294.4kgF/cm², A_b:1.131cm²

Tek bulon çekme dayanımı N_{rt}:3.2436TonF, kayma dayanımı V_{rv}:1.9461TonF

F: 0.97742TonF, V: 0.032118TonF, Güvenlik katsayısı **ζ: 3.32** uygun...√

Levha Gerilme Tahkiki



Gerilmeler kontrol edilirken her nokta 5cm yakınındaki diğer noktalar ile birlikte ortalama alınarak kontrol edilmiştir.

Taban levhası t: 20mm , kritik yükleme:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez , σ_{Ezilme} :98.113kgF/cm², tek eksenli $\sigma_{Eğilme}$:233.37kgF/cm², çok eksenli $\sigma_{Eğilme}$:205.54kgF/cm² (Jnt: -6/-3/0cm)

$\phi_c \cdot f_y$:2156.7kgF/cm²; σ_{MAX} :233.37kgF/cm²; τ_{MAX} :0kgF/cm² , Cmb:1.2G + Q + 0.2SN - 0.9Ex - 3Ey + 0.3Ez, Güvenlik katsayısı **ζ: 9.24** uygun...√

Kaynak Tahkiki

Kaynaklar, birleştirdikleri levhaların düğüm noktalarından geçen kuvvete göre boyutlandırılmaktadır. Kaynak yönünde geçen kuvvetler toplanıp kaynak alanına bölünerek kayma gerilmesi, her noktada kaynağa dik olarak geçen kuvvete göre ezilme gerilmesi hesaplanmaktadır.

Kaynak sistemi için kritik yükleme:1.2G + Q + 0.2SN - 3Ex + 0.9Ey - 0.3Ez

Kritik kaynak no:3, 3/-2/0 - 3/2/0cm noktaları arasındadır. L:4cm **a:3mm**

Taban levhası (kaynak alanı : 2.4/2.4cm²) ilgili yönde kesme kuvvetini aktarmaktadır. Kritik kaynak, taban levhasında Y yönünde bulunmuştur.

Taban levhasına bağlanan kaynakta kolon kesme kuvveti ile oluşan ek kayma gerilmesi: 6.9289kgF/cm²

Nok	Yer-cm	Parça Uz.	$F_{\perp}$ (σ)-TonF	$F_{//}$ (τ)	A-cm²	σ_1 -kgF/cm²	τ
1	3/1.5/0	1.25	0.37103	0.046454	0.375	1007.8	9.8402+6.9289
2	3/0/0	1.5	0.40749	0.00092746	0.45	986.79	9.8402+6.9289
3	3/-1.5/0	1.25	0.43001	0.057335	0.375	1047.1	9.8402+6.9289

13.2.4 – Kaynaklı Birleşimlerin Dayanımı

Malzeme S235 için, f_u :4894.6kgF/cm², f_y :2396.3kgF/cm², F_{nw} :2936.8kgF/cm², ø:0.75, ø*F_{nw} :2202.6kgF/cm²

$\tau_{//}$:16.769kgF/cm², $\sigma_{\perp}$:1047.1kgF/cm² >>> Güvenlik katsayısı **ζ: 2.1** uygun...√

Beton Bloğu Tahkiki

Beton bloğu gerilmesi hesaplanırken, komşu bloklarda ortalama gerilme alınmıştır.

Çalışan link elemanlarından aktarılan en büyük gerilme: 70.485kgF/cm², dayanımı: 203.94kgF/cm² , konsatre dayanımı(EN 1993-1-8:2005 f:6.6): 407.89kgF/cm² , en elverişsiz yükleme:1.2G + Q + 0.2SN + 0.9Ex - 3Ey + 0.3Ez

Beton Güvenlik katsayısı **ζ: 5.79** uygun...√

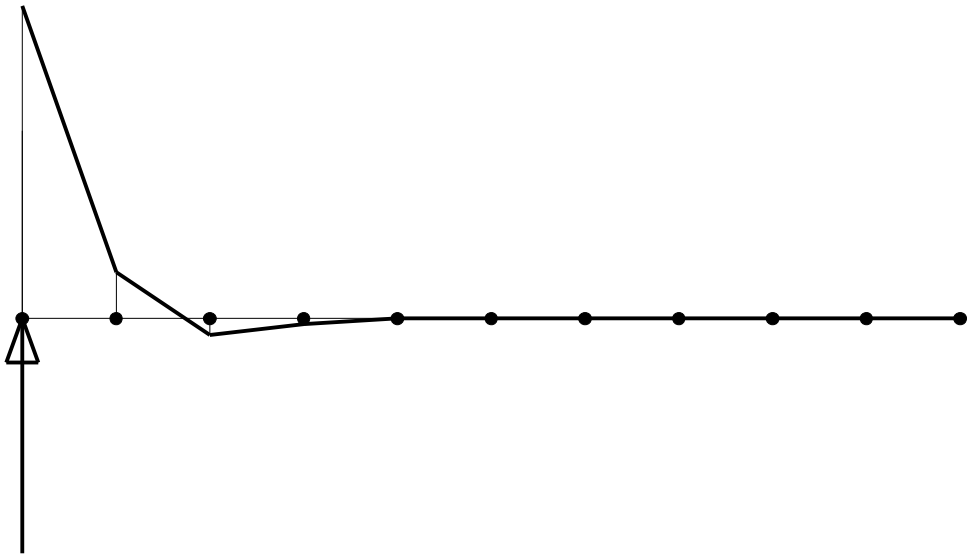
10.5.6. Levha-Beton kesme kuvveti hesabı

Beton içinde profil/ankraj kesme kapasitesi

0.5m uzunluğundaki eleman 10 parçaya bölünmüştür. Her parça 0.05m uzunluğundadır.

Genişlik: 1.2cm, Ebeton: 326309kgF/cm², her ara düğüm noktası için yay sabiti: 1957.9TonF/m

Beton ezilmesi için sonlu eleman sistemi ve yerdeğiştirme:



1N yük altında sistem maksimum yerdeğiştirmesi: 8.9819E-05mm, beton gerilmesi σ: 0.029309kgF/cm²

Beton emniyet gerilmesi Fcd: 203.94kgF/cm², taşınabilir maksimum kesme kuvveti: 0.70956TonF

Profil/ankraj alanı:: 1.131cm², kayma emniyet gerilmesi τEm: 917.74kgF/cm², taşınabilir maksimum kesme kuvveti: 1.0379TonF

Tek bir ankraj kesme kapasitesi: 0.70956TonF

2 adet ankrajın taşıyabileceği kesme kuvveti:1.4191TonF

1.2G + Q + 0.2SN - 3Ex + 0.9Ey - 0.3Ez yüklemesi için N: -0.19394TonF, bileşke V:: 0.063422TonF

Sürtünme katsayısı:0.45$F_{Sürt}$:0.087274TonF, ankrajlar ile birlikte toplam kesme dayanımı: 1.5064TonF

Güvenlik katsayısı **ζ: 23.75** uygun...√

11. SÜREKLİ TEMEL RAPORLARI

σ_{ZEM} : zemin gerilmesi.($\sigma_{ZEM,TAS}$:28TonF/m²)

A_s : Gerekli demir alanı(üst ve alt)-cm²

V_d : Tasarım kesme kuvveti(GQ ve GQE)-TonF

Elmn.	σ_{ZEM}	A_s		Üst	Gövde	Alt	V_d (GQ-GQE)		Etr.	√ $_{ZEM}$	√
T5	7.4944	0	0	24ø12;2ø16	16ø12	5ø16;11ø14	0.97031	1.3432	ø10/12	√	√
Aç:1	Açıklık	10	10	24ø12;2ø16	16ø12	5ø16;11ø14	0	0			
Aç:1	Sağ Mes.	10	10	24ø12;2ø16	16ø12	5ø16;11ø14					
Aç:2	Sol Mes.	10	10	24ø12;2ø16	16ø12	5ø16;11ø14	7.1165	6.8315	ø10/12		
Aç:2	Açıklık	10	10	24ø12	16ø12	5ø16	0	0			
Aç:2	Sağ Mes.	10	10	24ø12	16ø12	5ø16;11ø14					
Aç:3	Sol Mes.	10	10	24ø12	16ø12	5ø16;11ø14	6.5604	6.5753	ø10/12		
Aç:3	Açıklık	10	10	24ø12	16ø12	5ø16	0	0			
Aç:3	Sağ Mes.	10	10	24ø12	16ø12	5ø16;11ø14					
Aç:4	Sol Mes.	10	10	24ø12	16ø12	5ø16;11ø14	1.0306	1.4908	ø10/12		
Aç:4	Açıklık	10	10	24ø12	16ø12	5ø16;11ø14	0	0			
Aç:4	Sağ Mes.	0	0	24ø12	16ø12	5ø16;11ø14					
T10	7.4957	0	0	24ø12;2ø16	16ø12	5ø16;11ø14	0.97089	1.3413	ø10/12	√	√
Aç:1	Açıklık	10	10	24ø12;2ø16	16ø12	5ø16;11ø14	0	0			
Aç:1	Sağ Mes.	10	10	24ø12;2ø16	16ø12	5ø16;11ø14					
Aç:2	Sol Mes.	10	10	24ø12;2ø16	16ø12	5ø16;11ø14	7.1254	6.827	ø10/12		
Aç:2	Açıklık	10	10	24ø12	16ø12	5ø16	0	0			
Aç:2	Sağ Mes.	10	10	24ø12	16ø12	5ø16;11ø14					
Aç:3	Sol Mes.	10	10	24ø12	16ø12	5ø16;11ø14	6.5708	6.588	ø10/12		
Aç:3	Açıklık	10	10	24ø12	16ø12	5ø16	0	0			
Aç:3	Sağ Mes.	10	10	24ø12	16ø12	5ø16;11ø14					
Aç:4	Sol Mes.	10	10	24ø12	16ø12	5ø16;11ø14	1.0322	1.4889	ø10/12		
Aç:4	Açıklık	10	10	24ø12	16ø12	5ø16;11ø14	0	0			
Aç:4	Sağ Mes.	0	0	24ø12	16ø12	5ø16;11ø14					
T6	3.436	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12	√	√
Aç:1	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:1	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
Aç:2	Sol Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16	0.32251	0.60416	ø10/30/12		
Aç:2	Açıklık	3.45	3.45	5ø16	6ø14	4ø14	0.26052	0.57184			
Aç:2	Sağ Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16					
Aç:3	Sol Mes.	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12		
Aç:3	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:3	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
T9	3.4262	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12	√	√
Aç:1	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:1	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
Aç:2	Sol Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16	0.29584	0.58912	ø10/30/12		
Aç:2	Açıklık	3.45	3.45	5ø16	6ø14	4ø14	0.23402	0.55662			
Aç:2	Sağ Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16					
Aç:3	Sol Mes.	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12		
Aç:3	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:3	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
T7	3.5791	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12	√	√

Elmn.	σ_{ZEM}	A_s		Üst	Gövde	Alt	V_d (GQ-GQE)		Etr.	$\sqrt{}_{ZEM}$	√
Aç:1	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:1	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
Aç:2	Sol Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16	0.28039	0.24396	ø10/12		
Aç:2	Açıklık	3.45	3.45	5ø16	6ø14	4ø14	0	0			
Aç:2	Sağ Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16					
Aç:3	Sol Mes.	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12		
Aç:3	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:3	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
T8	3.522	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12	√	√
Aç:1	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:1	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
Aç:2	Sol Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16	0.26358	0.29014	ø10/12		
Aç:2	Açıklık	3.45	3.45	5ø16	6ø14	4ø14	0	0			
Aç:2	Sağ Mes.	3.45	3.45	5ø16	6ø14	4ø14;2ø16					
Aç:3	Sol Mes.	0	0	5ø16	6ø14	4ø14;2ø16	0	0	ø10/12		
Aç:3	Açıklık	0	0	5ø16	6ø14	4ø14;2ø16	0	0			
Aç:3	Sağ Mes.	0	0	5ø16	6ø14	4ø14;2ø16					
T1	6.5574	1.6384	2.9033	4ø12;1ø16		4ø12;2ø16	2.6232	3.7984	ø10/30/10	√	√
Aç:1	Açıklık	1.5	1.5	4ø12;1ø16		4ø12;2ø16	1.7877	2.9693			
Aç:1	Sağ Mes.	1.5	1.5	1ø16		2ø16					
T3	6.673	1.5	1.5	1ø16		2ø16	2.4932	3.6851	ø10/30/10	√	√
Aç:1	Açıklık	1.5	1.5	4ø12		4ø12	1.7908	2.9705			
Aç:1	Sağ Mes.	1.7512	3.492	4ø12		4ø12					
T2	6.1606	1.6544	2.7473	4ø12;1ø16		4ø12;2ø16	2.3843	3.5278	ø10/30/10	√	√
Aç:1	Açıklık	1.5	1.5	4ø12;1ø16		4ø12;2ø16	1.6138	2.7733			
Aç:1	Sağ Mes.	1.5	1.5	1ø16		2ø16					
T4	6.2746	1.5	1.5	1ø16		2ø16	2.2539	3.4133	ø10/30/10	√	√
Aç:1	Açıklık	1.5	1.5	4ø12		4ø12	1.6163	2.7733			
Aç:1	Sağ Mes.	1.7721	3.2912	4ø12		4ø12					

12. T10(9parça) temeli hesapları

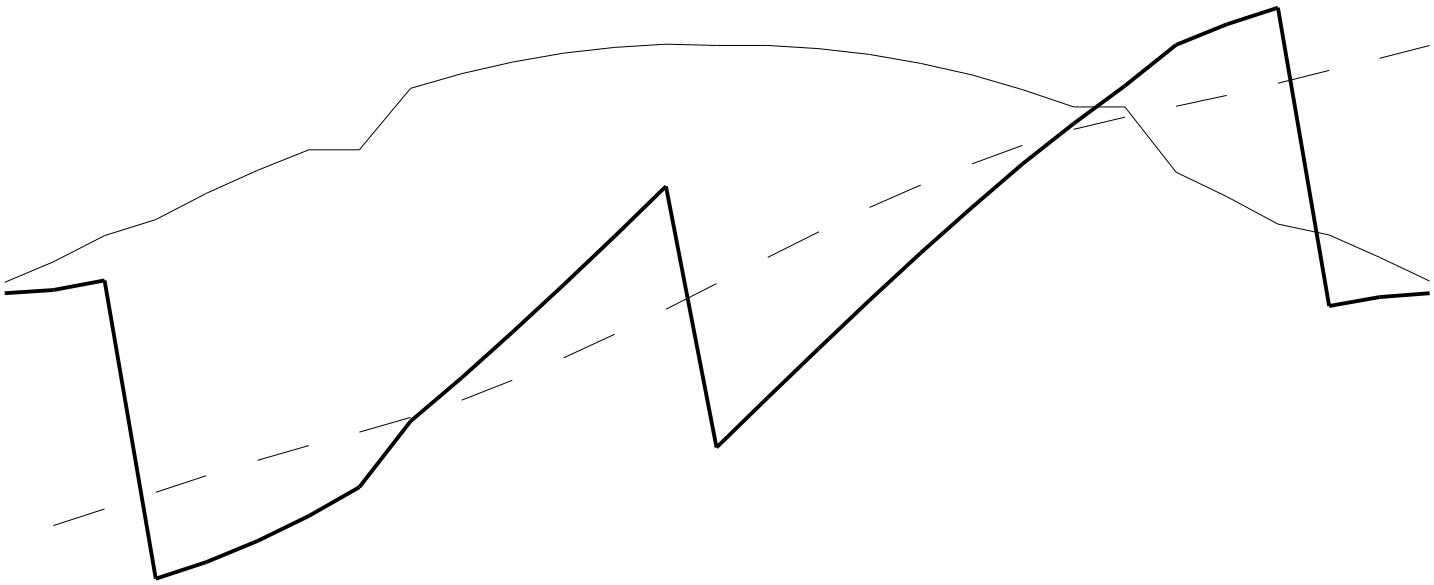
12.1. Zemin Güvenliği

Temel boyunca maksimum çökme: 3.7478mm(1.4G + Q + 1.6SN), maksimum zemin gerilmesi: 7.4957TonF/m², zemin taşıma gücü: 28TonF/m², yatak kats.: 2000TonF

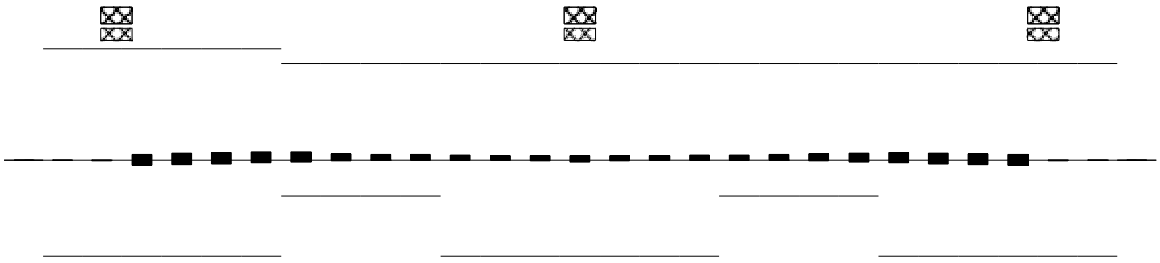
Zemin taşıma gücü yeterli

12.2. Betonarme tasarım

M_{MAX} :2.9099TonF.m, V_{MAX} :2.9099TonF, yükleme:Eşdeğer deprem Y için zemin eğrisi(_ _ _ _), moment(_____) ve kesme kuvveti(_____) diagramı



Temelde gerekli demir alanı(Alt-Üst)



Tablo: Demir tasarımı

Açıklık-m	Sol-Üst	Sol-Gövd	Sol-Alt	Sağ-Üst	Sağ-Gövd	Sağ-Alt	Etriye
0.013679-0.5	24 ø12	16 ø12	5 ø16	24 ø12	16 ø12	5 ø16	ø10/12
	2 ø16	-	11 ø14	2 ø16	-	11 ø14	-
0.7-3.45	24 ø12	16 ø12	5 ø16	24 ø12	16 ø12	5 ø16	ø10/12
	2 ø16	-	11 ø14	-	-	11 ø14	-
3.65-6.4	24 ø12	16 ø12	5 ø16	24 ø12	16 ø12	5 ø16	ø10/12
	-	-	11 ø14	-	-	11 ø14	-
6.6-7.0939	24 ø12	16 ø12	5 ø16	24 ø12	16 ø12	5 ø16	ø10/12
	-	-	11 ø14	-	-	11 ø14	-

Etriye hesapları

Yer-m	Vd(açik-GQ)-TonF	Vd(açik-GQE)	Vd(mes-GQ)	Vd(mes-GQE)	Vr(açik-GQ)	Vr(açik-GQE)	Vr(mes-GQ)	Vr(mes-GQE)
0.013679/0.5	0	0.97089	0	1.3413	173.1	173.1	92.624	92.624
0.7/3.45	0	7.1254	0	6.827	173.1	173.1	92.624	92.624
3.65/6.4	0	6.5708	0	6.588	173.1	173.1	92.624	92.624
6.6/7.0939	0	1.0322	0	1.4889	173.1	173.1	92.624	92.624

13. Yapı Metrajı

Çelik Kolon metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
12	HE 200 B	5960	4397.61	82.463	S235	4	R60x5	3480	105.23	3.0996	S235
Σ									4502.83	85.562	

Ana Kiriş metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
18	IPE 140	371	86.46	3.7328	S235	3	IPE 500	22400	6111.67	117.18	S235
2	IPE 100	4000	65.26	3.1984	S235						
Σ									6263.38	124.11	

Ara Kiriş metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
1	IPE 200	22640	509.78	17.379	S235	1	IPE 200	22400	504.37	17.194	S235
1	IPE 100	22400	182.71	8.946	S235	2	IPE 100	8500	138.67	6.7919	S235
1	IPE 100	22652	184.77	9.0467	S235	6	IPE 200	1169.9	158.05	5.4207	S235
12	IPE 200	2929.8	791.63	27.047	S235	2	IPE 200	1672	74.79	2.5603	S235
1	IPE 200	2295.5	51.53	1.762	S235	1	IPE 200	2628.5	59.13	2.0209	S235
1	IPE 200	2632.8	59.23	2.0243	S235	1	IPE 200	2308.8	51.84	1.7723	S235
11	IPE 100	1480	132.79	6.5232	S235	1	IPE 100	1490	12.15	0.59701	S235
2	IPE 100	2700	44.05	2.1603	S235	5	IPE 100	2700.9	110.15	5.4025	S235
1	IPE 100	3960	32.3	1.5832	S235	1	IPE 100	2660	21.7	1.0642	S235
1	IPE 100	2620	21.37	1.0482	S235	1	IPE 100	3920	31.98	1.5673	S235
1	RH60x40x5	4000	26.69	0.73017	S235	1	RH60x40x5	4060	27.09	0.74109	S235
2	R40x3	2578.7	15.84	0.77142	S235	5	R40x3	2581.2	39.64	1.9304	S235
Σ									3282.27	126.08	

Makas metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
11	IPE 100	1480	132.79	6.5232	S235	2	IPE 100	1590	25.94	1.2739	S235
1	IPE 100	1490	12.15	0.59701	S235	1	IPE 140	9138.9	118.22	5.0263	S235
1	IPE 140	9637.7	124.68	5.3006	S235	1	IPE 140	9801.7	126.8	5.3908	S235
1	IPE 140	9628.5	124.56	5.2956	S235	1	IPE 140	9121.1	117.99	5.0165	S235
14	IPE 100	1500	171.29	8.414	S235	5	IPE 100	484	19.63	0.97134	S235
5	IPE 100	538.1	21.84	1.0793	S235	4	IPE 100	586.7	19.06	0.9411	S235
5	IPE 100	646.2	26.24	1.2951	S235	5	IPE 100	700.3	28.45	1.403	S235
5	IPE 100	754.3	30.65	1.5109	S235	5	IPE 100	808.4	32.86	1.6188	S235
5	IPE 100	867.8	35.28	1.7375	S235	3	IPE 100	921.9	22.49	1.1073	S235
1	IPE 100	603	4.9	0.24175	S235	7	IPE 200	1169.9	184.39	6.3241	S235

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
14	IPE 200	2929.8	923.56	31.554	S235	2	IPE 200	1192.7	53.1	1.8211	S235
1	IPE 200	2002.1	44.87	1.535	S235	1	IPE 200	2503.9	56.28	1.9236	S235
1	IPE 200	2669.9	60.12	2.0544	S235	1	IPE 200	2512.6	56.48	1.9305	S235
1	IPE 200	2019.9	45.28	1.5488	S235	2	IPE 140	788.7	20.23	0.86598	S235
12	IPE 140	888.9	136.92	5.8569	S235	2	IPE 140	1389.6	35.79	1.527	S235
Σ									2812.85	111.69	

Çapraz metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
4	P114,3x5,0	2176.7	109.46	3.1304	S235	4	P114,3x5,0	4780.4	240.4	6.8595	S235
4	P114,3x5,0	2176.5	109.45	3.13	S235	4	P114,3x5,0	2231.2	112.2	3.2084	S235
2	P114,3x5,0	4896.6	123.12	3.513	S235						
Σ									694.64	19.841	

Aşık metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
11	UPN 100	3745	436.01	15.338	S235	1	UPN 100	3764.6	39.85	1.4016	S235
30	UPN 100	3740	1187.54	41.775	S235	7	UPN 100	3645	270.05	9.5003	S235
1	UPN 100	3665	38.79	1.3646	S235	2	UPN 100	3774.8	79.91	2.8108	S235
1	UPN 100	3824.5	40.48	1.4239	S235	1	UPN 100	3726.5	39.44	1.3875	S235
Σ									2132.08	75.001	

Diğer profil metrajı

Adet	Kesit	Boy-mm	Ağırlık-kg	*Yüz.A.-m²	Malz	Adet	Kesit	Boy	Ağırlık	*Yüz.A.	Malz
156	L 60 x 60 x 4	120	70.53	4.5756	S235	18	L 75 x 75 x 4	80	6.83	0.44796	S235
39	L 75 x 75 x 4	90	16.65	1.086	S235						
Σ									94	6.1096	

Tablo: Profil toplam uzunlukları

Kesit	Uzunluk-m	Kesit	Uzunluk	Kesit	Uzunluk	Kesit	Uzunluk	Kesit	Uzunluk
HE 200 B	71.52	R60x5	13.92	IPE 140	69.029	IPE 500	67.2	IPE 100	191.55
IPE 200	163.73	RH60x40x5	8.06	R40x3	18.063	P114,3x5,0	55.252	UPN 100	201.44
L 60 x 60 x 4	18.72	L 75 x 75 x 4	4.95						

***Profil yüzey alanı hakkında açıklama:** Profil yüzey alanı bulunurken, profil dış yüzey alanı kullanılmaktadır. Bu yüzden boru/kutu profillerde sadece dış yüzey hesaba girerken, çift U'dan yapılan kutu gibi yüzeylerde dış ve iç yüzey birlikte hesaplanmaktadır. İki durumda da başlangıç ve bitiş kesit alanı hesaba eklenmektedir.

Tablo: Levha metrajı

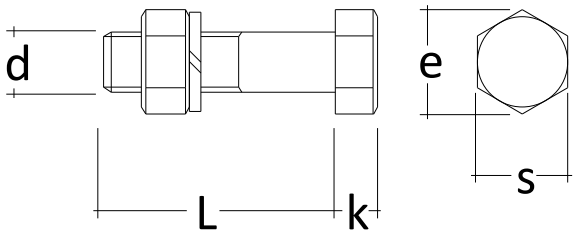
Adet	B-mm	H	t	Ağırlık-kg	Yüz.Al-m²	Malz	Adet	B	H	t	Ağırlık	Yüz.Al	Malz
72	114	52	5	16.84	0.97817	S235	36	190	134	10	72.1	2.0707	S235
8	563	171	10	31.65	0.90833	S235	8	516	100	10	32.16	0.91621	S235
8	100	60	10	3.52	0.11357	S235	8	434	171	10	41.37	1.1426	S235
8	100	60	10	3.53	0.1138	S235	8	100	59	10	3.46	0.11172	S235
4	427	288	10	27.97	0.75873	S235	2	433	293	10	14.64	0.39641	S235
2	122	220	10	4.2	0.12066	S235	84	183	47	10	55.83	1.7967	S235
4	122	220	10	8.46	0.24293	S235	2	121	220	10	4.17	0.12001	S235
2	120	220	10	4.16	0.11955	S235	2	120	220	10	4.15	0.11929	S235
28	120	220	10	58.02	1.6688	S235	2	120	220	10	4.15	0.1193	S235
2	120	220	10	4.16	0.11957	S235	2	121	220	10	4.18	0.12004	S235
2	122	220	10	4.2	0.12071	S235	4	124	220	10	8.54	0.24505	S235
56	89	25	10	9.17	0.35282	S235	91	75	120	10	64.28	1.9929	S235
140	89	25	10	23.68	0.9063	S235	42	93	160	10	49.11	1.4642	S235
43	75	120	10	30.41	0.94277	S235	36	93	160	10	42.04	1.2535	S235
24	500	150	10	126.21	3.5031	S235	48	150	75	10	39.37	1.208	S235
6	60	120	10	3.39	0.108	S235	48	468	95	15	248.25	5.0092	S235
12	400	500	20	376.74	5.232	S235	4	120	100	20	7.53	0.1312	S235
12	375	220	20	155.41	2.2656	S235							
Σ											1587.04	36.792	

Levha ağırlıkları, tam kesim kenarına göredir. Levha yüzey alanı, boya alanı hesabında kullanılacaksa profil tarafından kapatılan yüzeyin boyanmayacağı dikkate alınmalıdır.

Tablo: Civata metrajı

Adet	Standart	Malz	Çap-mm	Boy	e	s	k	1000 adet Ağırlık-kg	Toplam Ağırlık-kg
96	DIN7990	5.6	M20	65	32,95	30	13	287.77	27.63
234	DIN7990	5.6	M12	40	20,88	19	8	66.17	15.48
534	DIN7990	5.6	M12	45	20,88	19	8	71.49	38.18
114	DIN7990	5.6	M12	35	20,88	19	8	60.84	6.94
Σ									88.222

Civata ağırlıkları farklı tablolarda değişik görünmektedir, 1000 adet civata ağırlığını sipariş vereceğiniz yer ile görüşüp kontrol edin.



Şekil:Bulon tanımı

Tablo: Somun/Rondela metrajı

Ad	S/R	İsim	Standart	Malz	S/D & H	1000 ad. Ağr.	Toplam Ağırlık-kg
96	S	M20	DIN555	5.6	30/16	70.12	6.73
96	R	M20	DIN7989	5.6	37/8	52.37	5.03
882	S	M12	DIN555	5.6	19/10	18.79	16.58
882	R	M12	DIN7989	5.6	24/8	22.49	19.83
						48.17	

Somun/rondela ağırlıkları farklı tablolarda değişik görünmektedir, 1000 adet somun ağırlığını sipariş vereceğiniz yer ile görüşüp kontrol edin.

Tablo: Ankraj metrajı

Adet	Çap	Boy-m	Malz
48	24	0.75	5.6
8	12	0.5	5.6

Ayrıca ankrajları yerleştirmek için 48 adet delik levha,56 adet civata,264 adet somun ihtiyacı vardır.

Yapıdaki aşık kaplama toplam alanı: 186.03m²

Taşıyıcı sistem tipine göre gruplanmış metraj detayı

Çelik Profil Toplam Ağırlık: 19688.06 kg, 0m² yapı alanı için ortalama taşıyıcı sistem ağırlığı: ∞ kg/m²

Birleşim Levhaları Toplam Ağırlık: 1587.04 kg

Birleşim Profil Toplam Ağırlık: 94 kg

Maliyete göre gruplanmış metraj detayı

Toplam profil ağırlığı(Taşıyıcı sistem+Birleşim):19782.06 kg

Toplam levha ağırlığı(Taşıyıcı sistem+Birleşim):1587.04 kg

Toplam bulon ağırlığı:88.22 kg

Toplam somun/civata ağırlığı:48.17 kg

Yapı toplam ağırlığı:21505.5 kg

Temel beton hacmi:23.227m³, gerekli kalıp miktarı:91.38m²