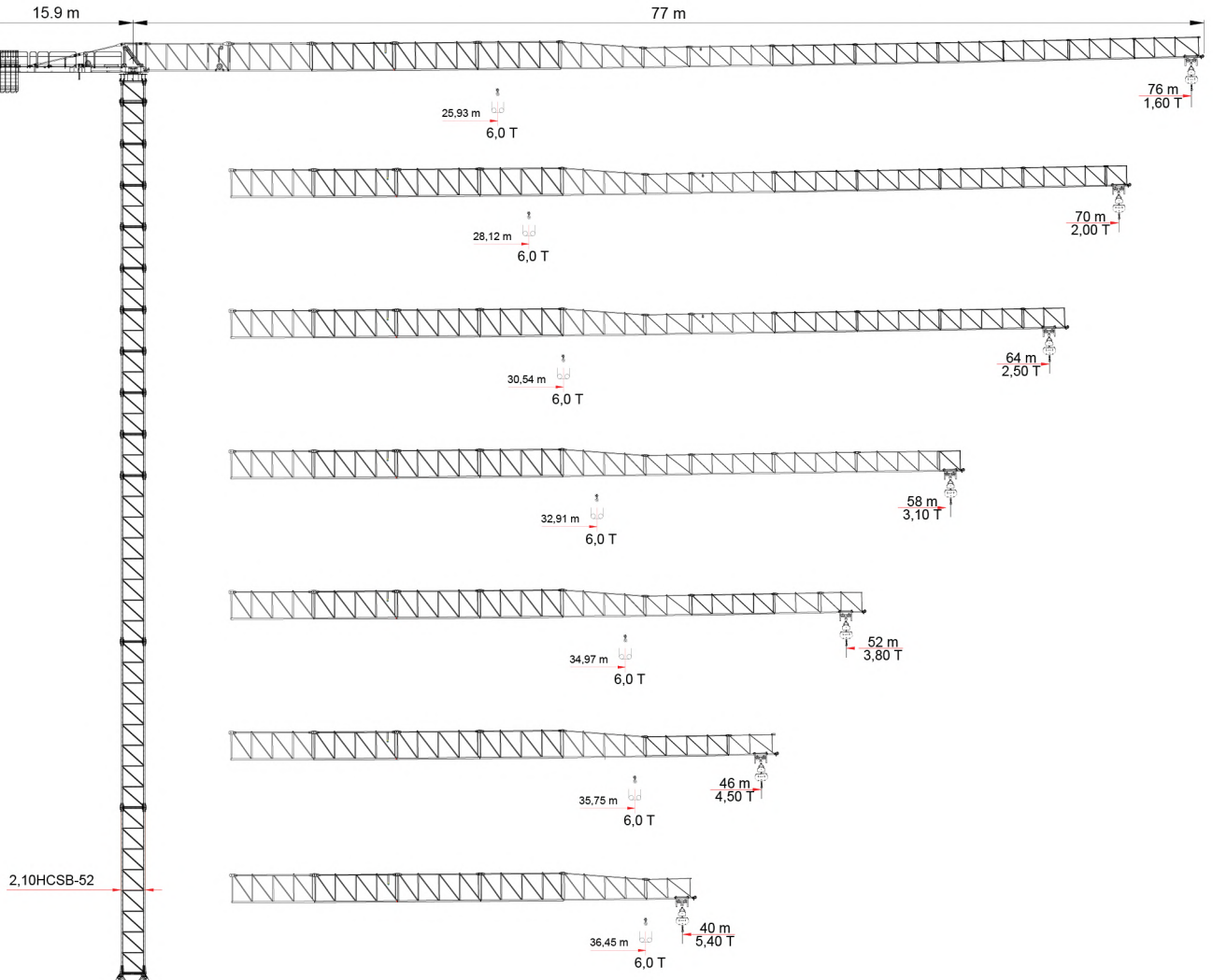


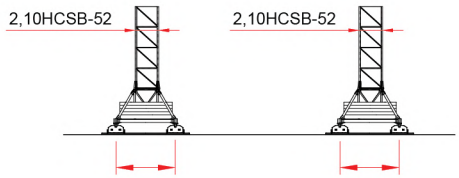
GRT 7616(12T)

TEKNİK KATALOG - TECHNICAL DATASHEET

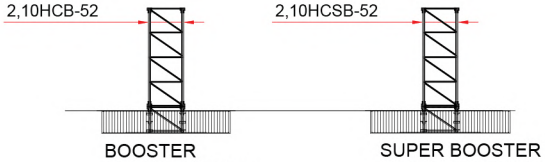
TGM® KULE VİNÇ

6000KG. II HALAT DONANIMI -TEKNİK ÖZELLİKLER
6000KG. II ROPE REAR - TECHNICAL SPECIFICATIONS

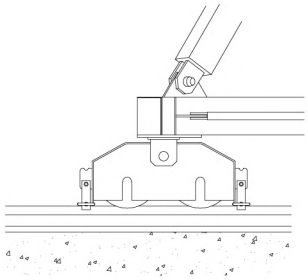




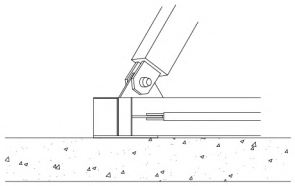
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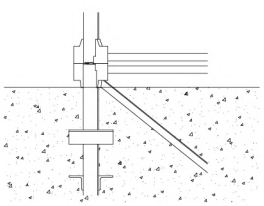
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B 1



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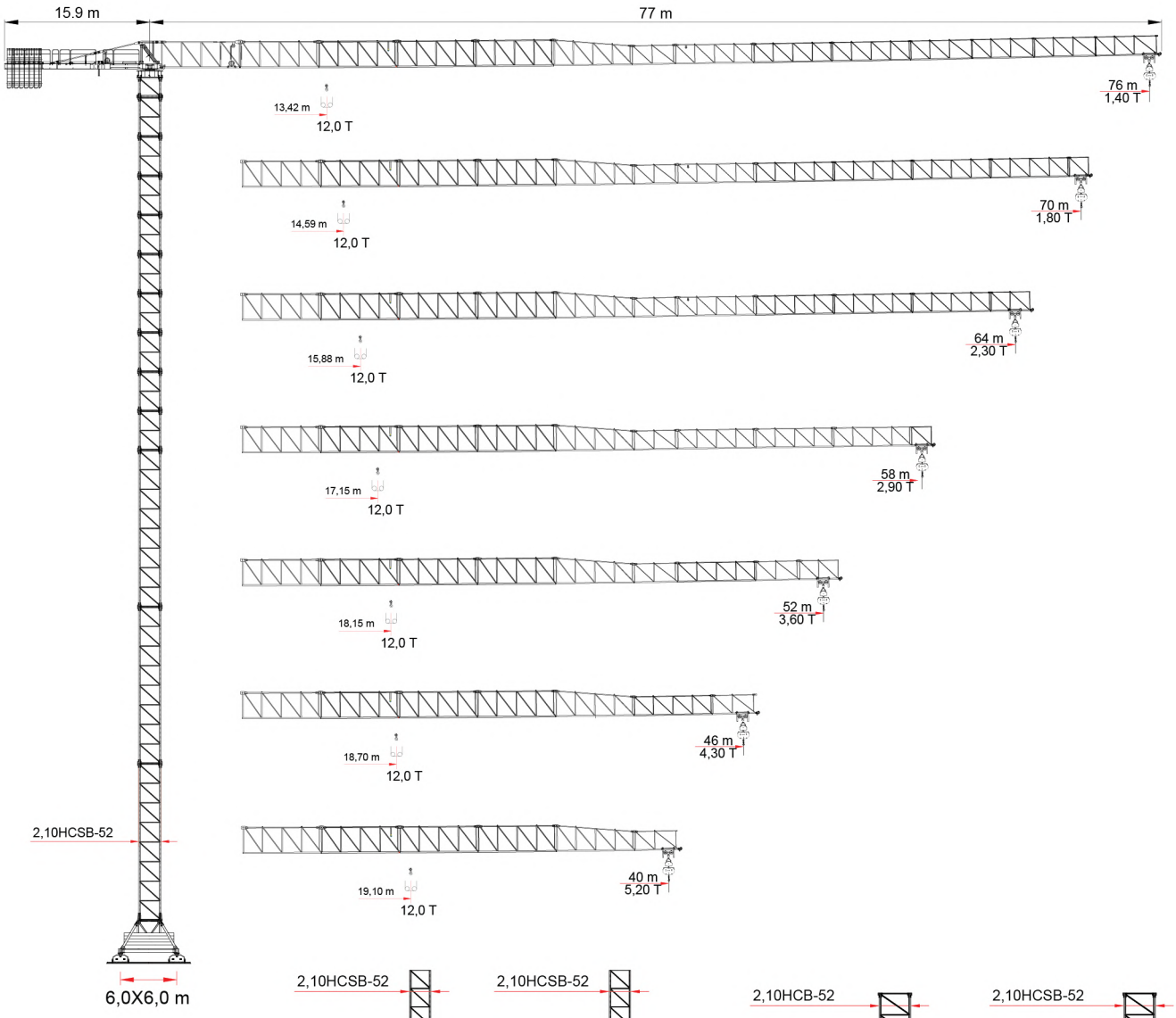


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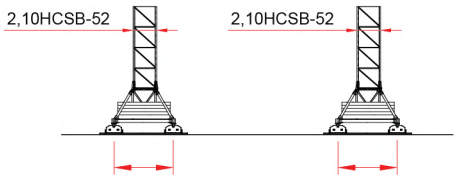
6000 KG. II HALAT DONANIMI - YÜK ŞEMALARI
6000KG. II ROPE REAR - LOAD DIAGRAMS

BOM - JIB (m)	76	70	64	58	52	46	40
MAX YÜK - MAX LOAD (m)	25,93	28,12	30,54	32,91	34,97	35,75	36,45
Radius (m)	 6000 Kg						
25,93	6000	6000	6000	6000	6000	6000	6000
28	5497	6000	6000	6000	6000	6000	6000
30	5078	5574	6000	6000	6000	6000	6000
32	4713	5177	5690	6000	6000	6000	6000
34	4392	4828	5310	5783	6000	6000	6000
36	4107	4515	4973	5419	5806	5953	6000
38	3853	4243	4673	5095	5460	5600	5723
40	3626	3995	4403	4803	5150	5283	5400
42	3420	3771	4159	4540	4871	4996	
44	3233	3568	3939	4302	4617	4737	
46	3063	3384	3737	4084	4385	4500	
48	2908	3214	3553	3886	4174		
50	2765	3059	3384	3703	3979		
52	2633	2916	3228	3534	3800		
54	2511	2783	3084	3379			
56	2399	2661	2950	3234			
58	2294	2546	2826	3100			
60	2196	2440	2710				
62	2104	2340	2601				
64	2018	2247	2500				
66	1938	2160					
68	1862	2077					
70	1791	2000					
72	1724						
74	1660						
76	1600						

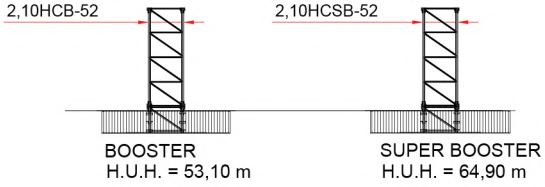
12000KG. II HALAT DONANIMI -TEKNİK ÖZELLİKLER
12000KG. II ROPE REAR - TECHNICAL SPECIFICATIONS



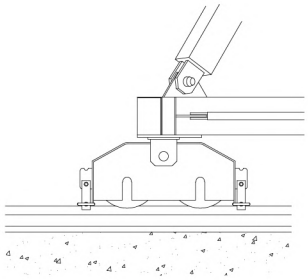
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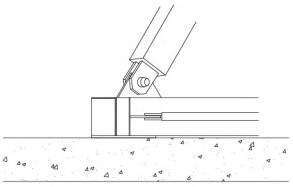
B 2 B 3



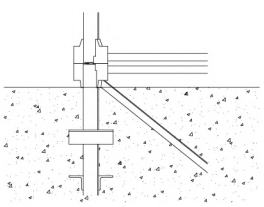
T4



B 1



B 2



T 4

12000 KG. II HALAT DONANIMI - YÜK ŞEMALARI
12000KG. II ROPE REAR - LOAD DIAGRAMS

BOM - JIB (m)	76	70	64	58	52	46	40
MAX YÜK - MAX LOAD (m)	13,42	14,59	15,88	17,15	18,25	18,70	19,10
Radius (m)	 12000 Kg						
13,42	12000	12000	12000	12000	12000	12000	12000
14	11434	12000	12000	12000	12000	12000	12000
16	9824	10812	11900	12000	12000	12000	12000
18	8591	9463	10424	11368	12000	12000	12000
20	7616	8397	9257	10102	10838	11134	11399
22	6826	7533	8311	9076	9742	10010	10250
24	6172	6818	7529	8228	8836	9081	9300
26	5623	6218	6872	7515	8075	8300	8502
28	5155	5706	6312	6907	7426	7634	7821
30	4751	5264	5829	6383	6866	7060	7234
32	4399	4879	5407	5926	6378	6560	6723
34	4090	4541	5037	5525	5949	6120	6273
36	3816	4241	4709	5169	5569	5730	5875
38	3571	3974	4416	4851	5230	5382	5519
40	3352	3734	4154	4566	4926	5070	5200
42	3154	3517	3917	4309	4651	4789	
44	2974	3320	3701	4076	4402	4533	
46	2810	3141	3505	3863	4175	4300	
48	2660	2977	3326	3669	3967		
50	2523	2826	3161	3490	3776		
52	2396	2688	3009	3325	3600		
54	2278	2559	2869	3173			
56	2170	2440	2738	3031			
58	2068	2330	2617	2900			
60	1974	2226	2504				
62	1886	2130	2399				
64	1803	2040	2300				
66	1726	1955					
68	1653	1875					
70	1584	1800					
72	1519						
74	1458						
76	1400						

KANCA ÖZELLİKLERİ
HOOK FEATURES

ÇELİK HALAT ÖZELLİKLERİ - STEEL ROPE SPECIFICATIONS	
HALAT NOMİNAL ÇAPI - ROPE NOMINAL DIAMETER (mm)	14
HALAT (Tip) - ROPE (Type)	Anti-twisting
HALAT TİPİ - ROPE TYPE	Çelik - Steel
MİNİMUM KOPMA YÜKÜ - MINIMUM BREAKING LOAD (kN)	126
GERÇEK KOPMA YÜKÜ - ACTUAL BREAKING LOAD (kN)	161

TAMBUR ÖZELLİKLERİ - DRUM FEATURES	
OLUK BOŞLUĞU - GUTTER GAP (mm)	14,5
SARMA HALAT ÇAPI - WRAPPING ROPE DIAMETER (mm)	300/600

HIZ ÖZELLİKLERİ - SPEED FEATURES				
Hızlar Speeds	2'li Donanım - Two Falls		4'lü Donanım - Four Falls	
	Kg	m/dk - m/min	Kg	m/dk - m/min
1	6000	7,6	12000	3,84
2	6000	38,45	2000	19,22
3	3000	61,52	6000	30,76
4	1600	84,59	3200	42,29

KANCA MOTOR VE REDÜKTÖR ÖZELLİKLERİ	
MOTOR TİPİ - ENGINE TYPE	ASENKRON
MOTOR GÜCÜ - ENGINE POWER	45 Kw / 60,34 Hp
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED	1470 rpm
REDÜKTÖR TİPİ - REDUCER TYPE	BPH323
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE	i= 40,37
KANCA FRENİ (MANYETİK) - HOOK BRAKE (MAGNETIC)	180 VAC / 330 Nm

DÖNÜŞ ÖZELLİKLERİ
ROTATION FEATURES

DÖNÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ - ROTATION MOTOR AND REDUCER FEATURES	
MOTOR TİPİ - ENGINE TYPE	ASENKRON
MOTOR GÜCÜ - ENGINE POWER	3X65 Nm
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED	1300/1400/1450 rpm
REDÜKTÖR TİPİ - REDUCER TYPE	TCS3065DC
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE	i= 179,4

VİNÇ DÖNÜŞ HIZI - CRANE ROTATION SPEED		
1. VİTES - 1st GEAR	(15 VDC)	4,15 dk-min/360°
2. VİTES - 2nd GEAR	(7,5 VDC)	1,40 dk-min/360°
3. VİTES - 3rd GEAR	(0 VDC)	1,23 dk-min/ 360°

FREN ÖZELLİKLERİ - BRAKE FEATURES	
MANYETİK - MAGNETIC	20 VDC / 150 Nm
ROLANTİSÖR - ROLANTISOR	0-20 VDC

ŞARYO ÖZELLİKLERİ
PLAIN TROLLEY FEATURES

ŞARYO HALATI ÖZELLİKLERİ - TROLLEY ROPE FEATURES	
HALAT NOMİNAL ÇAPI - ROPE NOMINAL DIAMETER (mm)	8
HALAT (Tip) - ROPE (Type)	Anti-twisting
HALAT TİPİ - ROPE TYPE	Çelik - Steel
MİNİMUM KOPMA YÜKÜ - MINIMUM BREAKING LOAD (kN)	34,71
GERÇEK KOPMA YÜKÜ - ACTUAL BREAKING LOAD (kN)	43,55

TAMBUR ÖZELLİKLERİ - DRUM FEATURES	
OLUK BOŞLUĞU - GUTTER GAP (mm)	8,5
SARMA HALAT ÇAPI - WRAPPING ROPE DIAMETER (mm)	408

HIZ ÖZELLİKLERİ - SPEED FEATURES

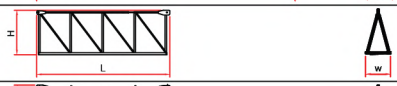
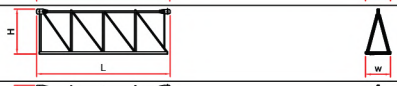
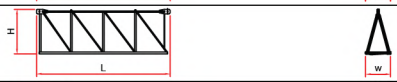
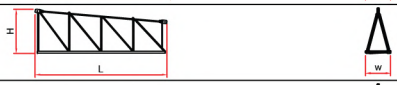
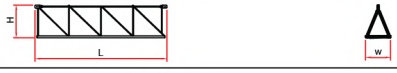
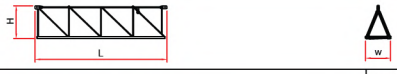
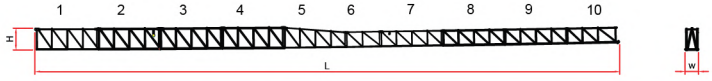
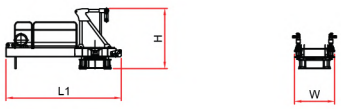
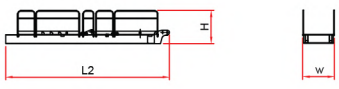
Hızlar Speeds	2'li Donanım - Two Falls		4'lü Donanım - Four Falls	
	Kg	m/dk - m/min	Kg	m k - m/min
1	12000	11	6000	11
2	12000	48	6000	48
3	6000	82	3000	82

ŞARYO MOTOR VE REDÜKTÖR ÖZELLİKLERİ - TRANSPORTATION MOTOR AND REDUCER SPECIFICATIONS	
MOTOR TİPİ - ENGINE TYPE	ASENKRON
MOTOR GÜCÜ - ENGINE POWER	5,5 Kw / 7,5 Hp
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED	1456 rpm
REDÜKTÖR TİPİ -REDUCER TYPE	PLANET
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE	i= 40
ŞARYO FRENİ (MANYETİK) - TROLLEY BRAKE (MAGNETIC)	20 VDC / 180 VDC

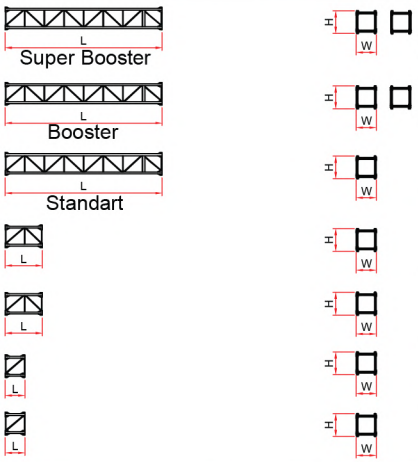
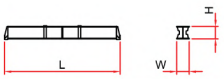
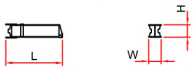
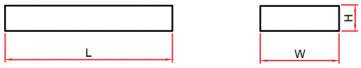
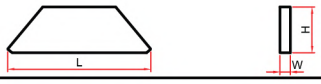
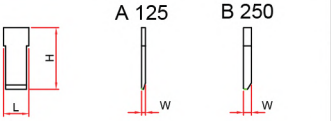
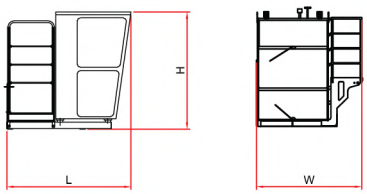
YÜRÜYÜŞ MOTORU VE REDÜKTÖR ÖZELLİKLERİ - TRAVEL MOTOR AND REDUCER FEATURES	
MOTOR TİPİ - ENGINE TYPE	ASENKRON
MOTOR GÜCÜ - ENGINE POWER	4x3 Kw / 5,4 Hp
MOTOR TRANSFER HIZI - ENGINE TRANSFER SPEED	1445 rpm
REDÜKTÖR TİPİ -REDUCER TYPE	KR473.00
REDÜKTÖR TRANSFER ORANI - REDUCER TRANSFER RATE	i= 25,15
YÜRÜYÜŞ HIZI (10 Hz) - WALKING SPEED (10 Hz)	0,16 m/min

VİNÇ OTOMASYON PANELİ ÖZELLİKLERİ - CRANE AUTOMATION PANEL FEATURES	
30-37 Kw KANCA SÜRÜCÜSÜ - 30-37 Kw HOOK DRIVE	SCHNEIDER
5,5 Kw ŞARYO SÜRÜCÜSÜ - 5.5 KW TROLLEY DRIVE	SCHNEIDER
PLC	SCHNEIDER
KONTAKTÖR - CONTACTOR	SCHNEIDER
DÖNÜŞ KARTI - RETURN CARD	TGM

EKİPMAN TEKNİK VERİLERİ
EQUIPMENT TECHNICAL DATA

Parça Piece	Açıklama Explanation		Çizim Drawing	Boyutlar Dimensions L	W	H	Ağırlık Weight (Kg) Birim	Top.
1	**Bomlar** - Jibs	0		8.981	1.440	2.310	6856	6856
1		1		6.400	1.430	2.260	2706	2706
1		2		6.420	1.430	2.240	1906	1906
1		3		6.410	1.430	2.230	1678	1678
1		4		6.410	1.430	2.230	1556	1556
1		5		6.388	1.430	1.800	1114	1114
1		6		6.360	1.430	1.793	926	926
1		7		3.330	1.430	1.763	814	814
1		8		6.326	1.430	1.767	750	750
1		9		6.305	1.430	1.412	588	588
1		10		6.305	1.430	1.412	438	438
1		11		6.305	1.430	1.412	438	438
BOM JIB				76 m	77	1.440	2.310	12914	12914
				70 m	71	1.440	2.310	10208	10208
				64 m	65	1.440	2.310	8302	8302
				58 m	59	1.440	2.310	6624	6624
				52 m	53	1.440	2.310	5068	5068
				46 m	47	1.440	2.310	3954	3954
				40 m	41	1.440	2.310	3028	3028
1	**Kuyruk Tablası, Kanca Motoru, Elektrik Panosu vs.** Tail Table, Hook Motor,Electrical Panel etc.			2.300	2.300	2.265	5720	5720
1	**Kuyruk** - Tail			11.600	1.860	1.600	6700	6700

EKİPMAN TEKNİK VERİLERİ
EQUIPMENT TECHNICAL DATA

Parça Piece	Açıklama Explanation	Çizim Drawing		Boyutlar Dimensions			Ağırlık Weight (Kg)	
				L	W	H	Birim	Top.
1	**Mast** - Tower Element			11.80	2.290	2.290	7772	7772
				11.80	2.290	2.290	7092	7092
				11.80	2.290	2.290	6008	6008
				4.00	2.450	2.450	2596	2596
				2.95	2.290	2.290	1700	1700
				1.50	2.290	2.290	1200	1200
				1.50	2.290	2.290	1656	1656
1	**Şase Uzun Kol** - Chassis Long Arm		6,0x6,0mt	8.645	0.780	0.960	3475	3475
2	**Şase Kısa Kol** - Chassis Short Arm		6,0x6,0mt	4.323	0.680	0.974	1745	3490
4	**Yürüyüş Takımı Motorlu** Undercarriage Motorized			1.204	0.605	0.543	950	3800
2	**Şase Taşı** - Chassis Stone (T1)			6.00	0.50	1.200	8600	17200
36	**Şase Taşı** - Chassis Stone (T2)			4.00	0.50	1.400	4500	162000
4	**Destek Bloğu** - Support Block			4.60	0.80	0.60	3925	15700
2 6	**Kuyruk Taşı** - Tail Stone		A 125 B 250	3.000 3.000	0.185 0.370	1.200 1.200	1250 2500	2500 12500
1	**Kabin** - Cabin			2.749	2.10	2.289	850	850

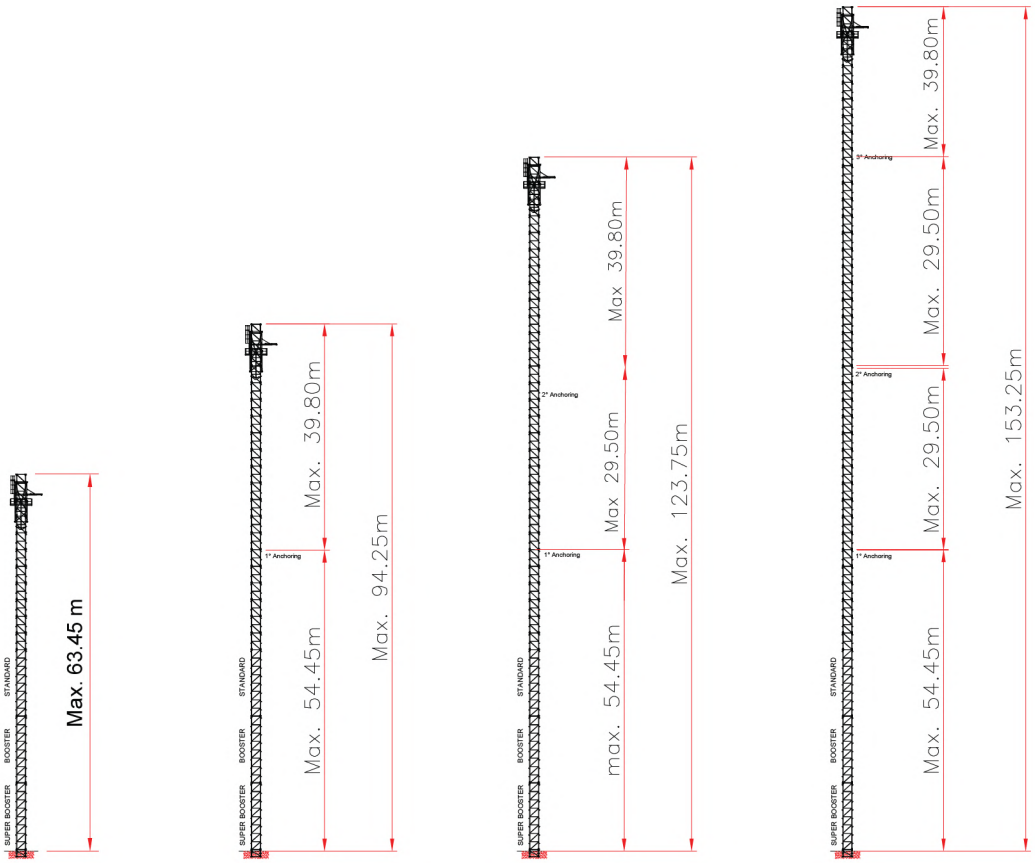


Şaseli Ve Taşlı Tır Sayısı - Number of Trucks with Chassis and Stones = 15
Ankrajlı Tır Sayısı - Number of Anchored Trucks = 11

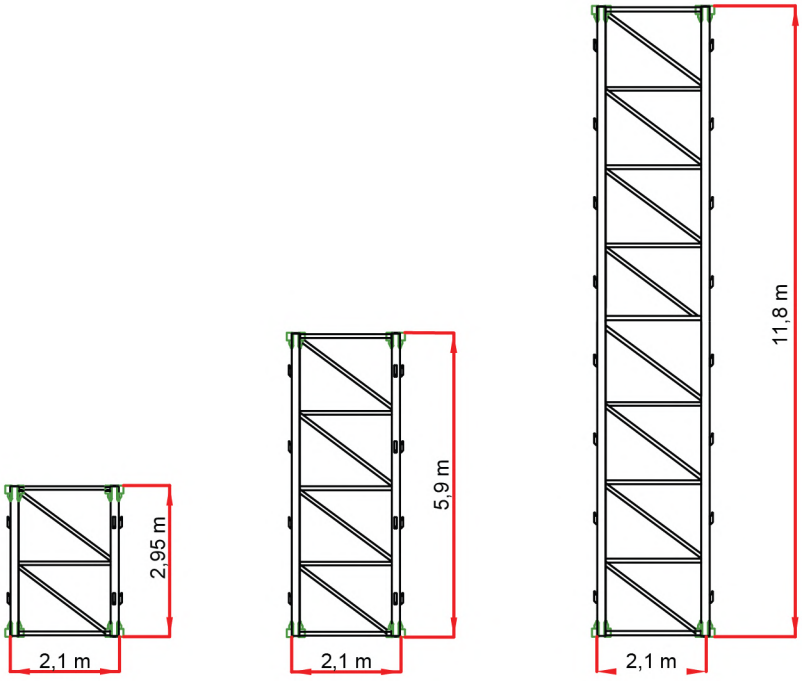


Şaseli Ve Taşsız Konteyner Sayısı - Number of Containers with Chassis and Without Stone = 13
Ankrajlı Konteyner Sayısı - Number of Anchored Containers = 13

STANDART KURULUM YÜKSEKLİKLERİ
STANDARD INSTALLATION HEIGHTS



KULE ELEMANLARI TİP 2, 10HC-52
TOWER ELEMENTS TYPE 2, 10HC-52



BESLEME KABLOSU ÖZELLİKLERİ
SUPPLY CABLE SPECIFICATIONS

Kaldırma Gücü Lifting Power	**Üç Kutup Artı Topraklama Kablosu İçin Tek Kablo Kesiti (mm²)** Single Cable Cross Section for Three Pole Plus Ground Cable (mm²)					
	0-30m	30-50m	50-100m	100-200m	200-300m	300-400m
80 Kw	3X25+16 TTR	3X35+16 TTR	3X50+25 TTR	3X70+35 TTR	3X95+50 TTR	3X120+70 TTR
Besleme Gerilimi 380-400 VAC ± %5 - Supply Voltage 380-400 VAC ± 5%						
Haber Vermeden Değiştirme Hakkımız Saklıdır. We reserve the right to change without notice.						
Trafo / Besleme İstasyonundan Vinç Elektrik Panosuna Kadar Ölçülen Kablo Uzunluğu. Measured Cable Length from Transformer / Supply Station to Crane Electrical Panel.						

GÜÇ KAYNAĞI
POWER SOURCE

Besleme Gerilimi Supply voltage	380-400V - 50Hz
Kaldırma Tipi 40-VF8 İle Versiyon Version with Lifting Type 40-VF8	
Toplam Güç (Yürüyüş Sistemi Olmadan) Total Power (Without Drive System)	80 Kw
Toplam Güç (Yürüyüş Sistemi İle) Total Power (With Drive System)	92 Kw
Termal Koruma Thermal Protection	160A
Diferansiyel Koruma Differential Protection	id=30ma
Jeneratör (Gerekli Olduğu Durumlarda) Generator (When Necessary)	300 KWA

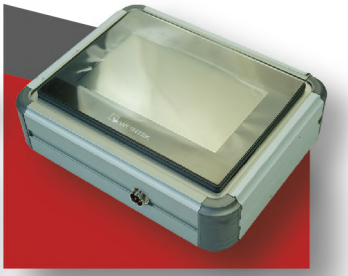
YEDEK PARÇALAR
SPARE PARTS

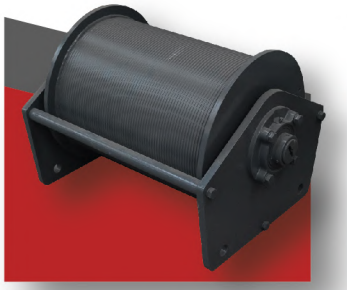

KANCA - HOOK

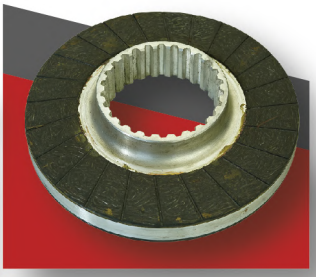

HALAT - ROPE



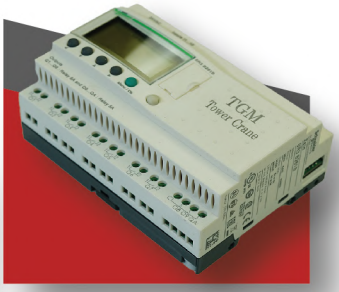
TAKİP SİSTEMİ - TRACKING SYSTEM


GÖSTERGE EKRANI - DASHBOARD


TAMBUR - DRUM


BALATA - BRAKE PAD

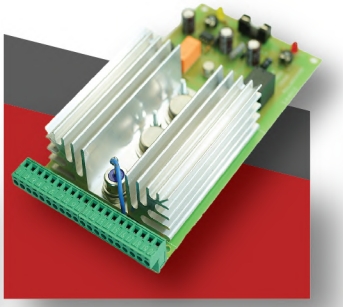

TUR SWITCH - TOUR SWITCH

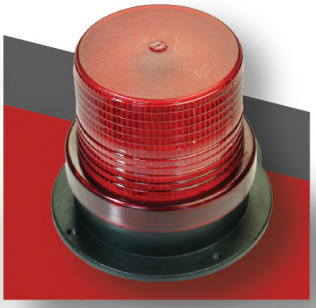


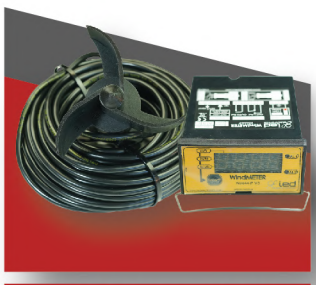
PLC MODÜL - PLC MODULE

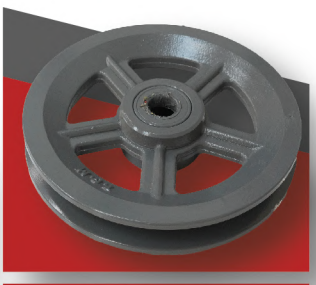

JOYSTİK - JOYSTICK

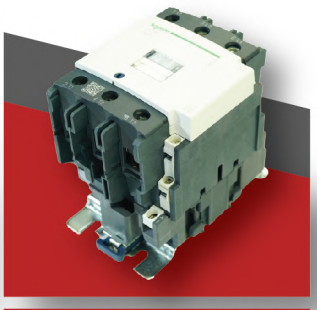

KANCA SWITCH - HOOK SWITCH

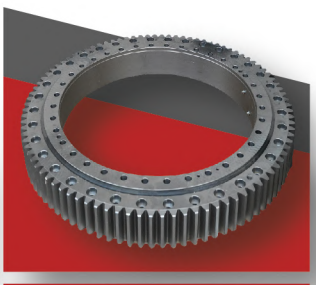

DÖNÜŞ KARTI - RETURN CARD


TEPE İKAZ LAMBASI - WARNING LAMP


RÜZGAR GÜLÜ - WIND ROSE


MAKARA - PULLEY


KONTAKTÖR- CONTACTOR


GÖBEK DİŞLİSİ - HUB GEAR

TGM Kalitesi ile üretilen daha bir çok yedek parça envanterimizde bulunmaktadır. İhtiyaç doğrultusunda yedek parça temini tarafımızca güvenle ve sorunsuz sağlanmaktadır.

Many more spare parts produced with TGM Quality are available in our warehouse. Spare parts are supplied by us in case of need and are offered without any problems.

İHRACAT
EXPORT

Ürettiği sağlam ve güvenilir kule vinçlerle Dünya pazarına açılan TGM Kule Vinç kendi alanında ülkede ve Dünyada sayılı markalar arasında yer almaktadır. Milli değerlere verdiği önemle üretilen kule vinçler ile bir çok ülkedeki inşaat projelerine yaptığı satışlarla ülke ekonomisine katkı sağlamaktadır. Türkiye'nin yarınlarını inşaa eden TGM Kule Vinç Dünyada'da bu alanda tercih edilen markalar arasında yer almaktadır.

TGM Tower Crane, which opened to the world market with the robust and reliable tower cranes it produces, is among the few brands in its field in the country and in the world. It contributes to the country's economy by selling tower cranes to construction projects in many countries with the importance it attaches to national values. TGM Tower Crane, which is building Turkey's future, is among the preferred brands in this field in the world.

TÜRKİYE'NİN DÜNYA'YA AÇILAN PENCERESİ
TURKEY'S WINDOW TO THE WORLD


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SUDAN


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GÜRCİSTAN
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