



ŞENOL MAKİNA

50
YEARS

GENEL KATALOG
GENERAL CATALOGUE

50
YEARS



ŞENOL MAKİNA

SANAYİ VE TİCARET LİMİTED ŞİRKETİ

*"Çelik Halat & Yük Kaldırma Ekipmanları
Steel Wireropes & Lifting Solutions"*



BAŞLARKEN / INTRODUCTION





ŞENOL MAKİNA

Firmamızın temelleri 1972 yılında merhum Turan ŞENOL tarafından Karaköy Perşembe Pazarında atılmıştır.

Our company was established in 1972 by Turan ŞENOL at Karaköy Perşembe Pazar discret.

1972



Halit & Tuncay ŞENOL kardeşler tarafından proje bazlı üretimi destekleyen perakende mağazası kuruluşu ve şirketleşme.

Retail sales office establishment by Halit & Tuncay ŞENOL brothers to support project based production

1996



Uluslararası pazarlara giriş ve ilk ihracat deneyimi.

Entering to international markets and the first export experiment

2008

2001

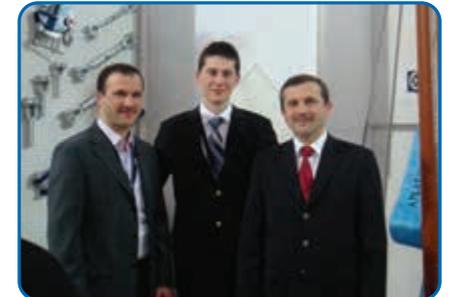
Tuzla Tersaneler Bölgesi Yatırımı.

Tuzla Shipyards Area Investment

1983

Atölye imalatından Alemdağ fabrika yerleşkesine geçiş ve seri imalat kapasitesinin artırılması.

Moving to Alemdağ factory and expanding production capability.





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Konusunda uzman sektörde lider ürünlerin markalaşma çalışmaları.

Branding studies

2013



Toptan satış birimi ve nitelikli proje imalat alanı yatırımı.

Wholesale unit and qualified projects production area investment

2019

Çevrimiçi satış kanallarının hayata geçirilmesi

Implementation of online sales channels

2022



İlk Avrupa şubesi kuruluşu
Establishment of the European branch

2025

2011

Yüksek kalite ve standartlarda üretilen ürünlerin Ar&Ge ile desteklenmesi ve ilk TÜBİTAK Ar&Ge destekli projenin hayata geçirilmesi.

The first TUBITAK supported R&D project





ŞENOL MAKİNA



9	ÇELİK HALATLAR STEEL WIRE ROPES	19	6x25F ÇELİK ÖZLÜ ÇELİK HALAT STEEL CORE STEEL WIRE ROPES	6x25F ÇELİK ÖZLÜ COMPACT ÇELİK HALAT STEEL CORE COMPACT STEEL WIRE ROPES	29	35x7 ÇELİK ÖZLÜ ÇELİK HALAT STEEL CORE STEEL WIRE ROPES	35x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT STEEL CORE COMPACT STEEL WIRE ROPES		
10	ÇELİK HALATLAR HAKKINDA GENEL BİLGİ GENERAL INFORMATION ABOUT STEEL WIRE ROPES	20	6x36WS LİF ÖZLÜ ÇELİK HALAT FIBRE CORE STEEL WIRE ROPES	6x36WS LİF ÖZLÜ COMPACT ÇELİK HALAT FIBRE CORE COMPACT STEEL WIRE ROPES	31	ÇELİK SAPANLAR WIRE ROPE SLINGS			
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13	DENİZCİLİK HALATLARI MARINE ROPES	ASANSÖR HALATLARI ELEVATOR ROPES	23	6x41WS ÇELİK ÖZLÜ ÇELİK HALAT STEEL CORE STEEL WIRE ROPES	6x41WS ÇELİK ÖZLÜ COMPACT ÇELİK HALAT STEEL CORE COMPACT STEEL WIRE ROPES	34	GROMMET ÇELİK SAPANLAR GROMMET SLINGS		
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15	6x7 ÇELİK ÖZLÜ ÇELİK HALAT STEEL CORE STEEL WIRE ROPES	6x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT STEEL CORE COMPACT STEEL WIRE ROPES	25	ÇELİK HALATLAR STEEL WIRE ROPES		36	SNL TENSİ - MEMBRAN GERĞİ SİSTEMLERİ TENSILE STRUCTURE SYSTEMS		
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SNL WIRE MONOTRON ÇELİK HALATLAR
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42 **SNL WIRE MONOTRON ÇELİK HALATLAR**
SNL WIRE MONOTRON STEEL WIRE ROPES **1X61**

SNL WIRE MONOTRON ÇELİK HALATLAR
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43 **PASLANMAZ HALAT UCU SAPLAMASI** STAINLESS STEEL WIRE ROPE THREADED STUD

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44 **PASLANMAZ SAPLAMA MAPA GERDİRME** STAINLESS STEEL TURNBUCKLE PIPE TYPE (STUD & EYE)

PASLANMAZ SAPLAMA ÇATAL GERDİRME STAINLESS STEEL TURNBUCKLE PIPE TYPE (FORK & STUD)

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PASLANMAZ KİLİT (OMEGA TİPİ) STAINLESS STEEL SHACKLE (OMEGA TYPE)

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GRADE 80 HIGH TENSILE LIFTING CHAINS EN818-2

51 **GRADE 80 YÜKSEK MUKAVEMETLİ YÜK ZİNCİRLERİ EN818-2**
GRADE 80 HIGH TENSILE LIFTING CHAINS EN818-2

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GRADE 100 HIGH TENSILE LIFTING CHAINS EN818-2

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SNLBLOCKS ROPE BLOCKS

AĞIR TİP MAKARALAR HEAVY IND. ROPE BLOCKS

SNLBLOCKS PLUS ROPE BLOCKS

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CERASKAL HS-C TİP CHAIN BLOCK HS-C TYPES

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HUBZUG LEVER BLOCK

69 **HUBZUG OVERLOAD TİP (YÜK EMNİYETLİ)** LEVER BLOCK OVERLOAD TYPE

HUBZUG ÇİRCİR KOLLU LEVER HOIST GEAR HANDLE

DIKEY SAC KAPMA LIFTING CLAMP VERTICAL

L TİPİ (YATAY) SAC KAPMA LIFTING CLAMP HORIZONTAL

ŞARYO CERASKAL ARABASI TROLLEY

MINİ ELEKTRİKLİ VİNÇ ŞARYOSU MINI TROLLEY

70 **UNİVERSAL MANYETİK KALDIRMA** UNIVERSAL PERMANENT MAGNETIC LIFTER

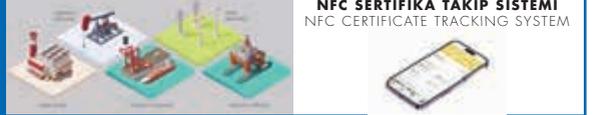
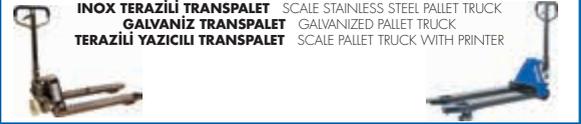
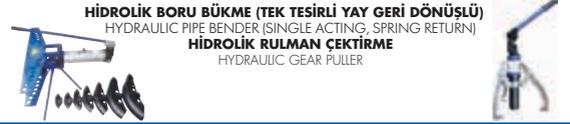
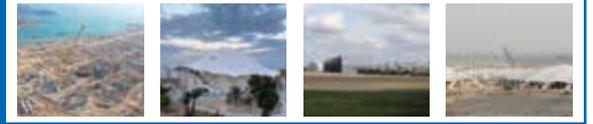
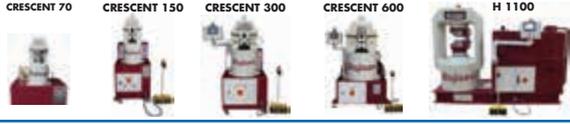
ŞİŞE KRİKO HYDRAULIC BOTTLE JACK

PEHLİVAN KRİKO MECHANICAL JACK

MAKİNA KRİKOSU HYDRAULIC BOTTLE JACK

RAY KAPMA RAIL CLAMP

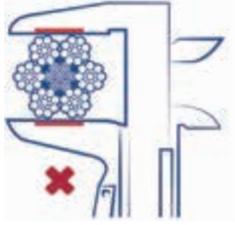
71 **ZİNCİRLİ ELEKTRİKLİ VİNÇ** ELECTRICAL CHAIN HOIST

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73	<p>TRANSPALET HAND PALLET TRUCK</p> 	85	<p>ELEKTRİKLİ TEK TESİRLİ HİDROLİK POMPA ELECTRICAL SINGLE ACTING HYDRAULIC PUMP ELEKTRİKLİ ÇİFT TESİRLİ HİDROLİK POMPA ELECTRICAL DOUBLE ACTING HYDRAULIC PUMP AKÜLÜ, KABLOSUZ HİDROLİK POMPA CHARGEABLE, CORDLESS HYDRAULIC PUMP</p> 	96	<p>NFC SERTİFİKA TAKİP SİSTEMİ NFC CERTIFICATE TRACKING SYSTEM</p> 
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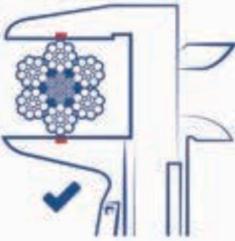


ŞENOL MAKİNA

YANLIŞ
Wrong

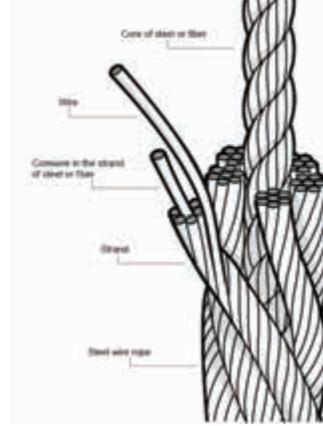


DOĞRU
Correct



ÇELİK HALATLAR STEEL WIRE ROPES

► ÇELİK HALATLAR HAKKINDA GENEL BİLGİ GENERAL INFORMATION ABOUT STEEL WIRE ROPES



► ÇAPRAZ SAĞ SARIM
RIGHT REGULAR LAY



SZ

► ÇAPRAZ SOL SARIM
LEFT REGULAR LAY



ZS

► SAĞ DÜZ SARIM
RIGHT LANGS LAY



ZZ

► SOL DÜZ SARIM
LEFT LANGS LAY



SS

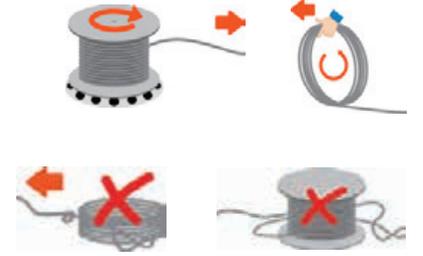
► DEĞİŞKEN SARIM
RIGHT VARIABLE LAY



► 1- KALİTE KONTROL
QUALITY CONTROL



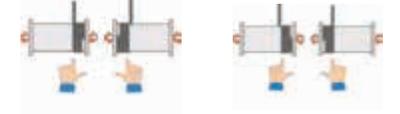
► 5- ÇÖZME/BOŞALTIMA
UNWINDING



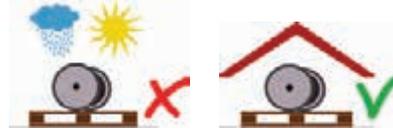
► 2- TAŞIMA
TRANSPORTATION



► 6- SARMA/KONUMLANDIRMA
POSITIONING



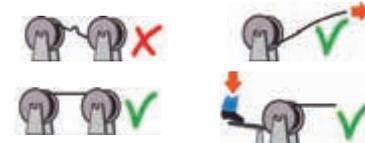
► 3- DEPOLAMA
STORAGE



► 7- KESME
CUTTING



► 4- AKTARMA/ELLEÇLEME
SPOOLING



► 8- YAĞLAMA
GREASING & LUBRICATION



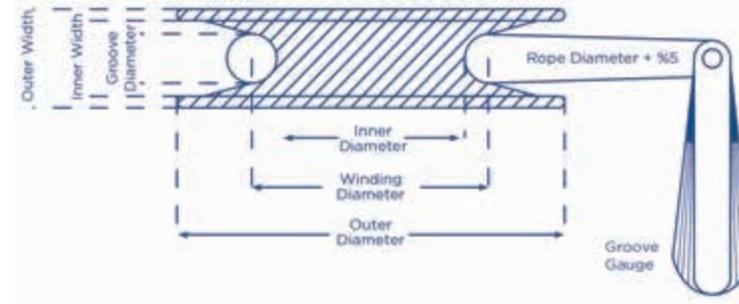
ÇELİK HALATLAR STEEL WIRE ROPES

► ÇELİK HALATLAR HAKKINDA GENEL BİLGİ GENERAL INFORMATION ABOUT STEEL WIRE ROPES

Halat ömrüne etki eden en önemli faktörler makara, makara çapı ve halat konstrüksiyonu ile olan uyumlardır. Doğru makara çapı seçimi, halat ömrününün daha uzun süreli olmasını ve çalışma güvenliğini sağlayan ana unsurların başında gelmektedir. Halat-Makara temas açısı 135-150 derece arasında olmalıdır. Ayrıca seçim yapılırken göz önünde bulundurulması gereken oranlama aşağıdaki tabloda detaylandırılmıştır.

Relations of reel, drum and rope:

The pulley and drum DIAMETERS, as well as the DIAMETER and other properties of the grooves thereon, have a major impact on the rope life. Groove knives can generally be used for groove wear, DIAMETER and width measurements. Making pulleys and reels of suitable material is beneficial for rope life. If the grooves are wider than required and the rope contact angle is greater, ovalization of the rope would be occurred. In both cases, rope life is inconvenient. In general, the rope-groove contact angle should be between 135-150 degrees. In addition, pulley and rope DIAMETER ratios are shown in the table.



KONSTRÜKSİYONA BAĞLI OLARAK TAVSİYE EDİLEN MAKARA KULLANIM ORANLARI SOME REEL DIMENSIONS AND USE OF GROOVE CUTTER

KONSTRÜKSİYON ROPE CONSTRUCTION	D/d ORANI D/d Ratio	
	ÖNERİLEN / RECOMMENDED	MİNİMUM / MINIMUM
6x7 (6-1)	54	42
6x19S (9-9-1)	40	32
6x26WS (10-5+5-5-1)	38	30
6x25F (12-6F-6-1)	34	26
6x31WS (12-6+6-6-1)	34	26
6x36WS (14-7+7-7-1)	34	26
6x41WS (16-8+8-8-1)	28	20
6x49SF (16-16+8F-8-1)	28	20
8x19S (9-9-1)	35	26
8x26WS (10-5+5-5-1)	30	21
8x25F (12-6F-6-1)	32	24
8x31WS (12-6+6-6-1)	30	21
8x36WS (14-7+7-7-1)	30	21
18x7 FC (12:6-FC)	34	28
18x7 WSC (12:6-1)	34	28
35x7 (16:6+6-6-1)	28	20



ŞENOL MAKİNA

Makara ve Yiv Kesitleri

Reel and Groove Cross Sections



Yeni Halat Yeni Yiv

New Rope
New Groove



Yeni Halat Yıpranmış Yiv

New Rope
Worn Groove

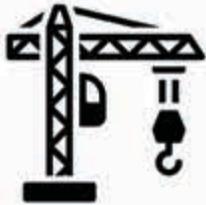
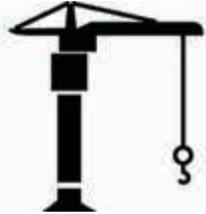
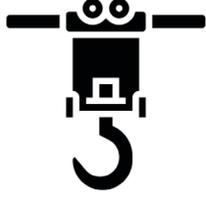


Yıpranmış Halat Yıpranmış Yiv

Worn Rope
Worn Groove

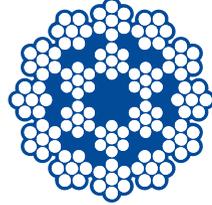


ŞENOL MAKİNA

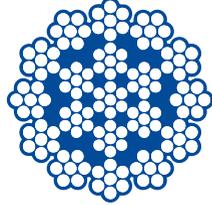


ÇELİK HALATLAR STEEL WIRE ROPES

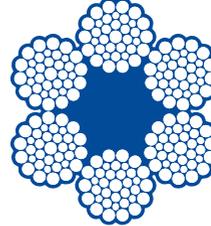
► VİNÇ HALATLARI CRANE ROPES



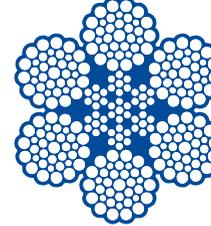
18 X 7 FC



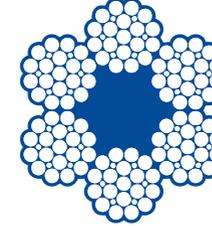
19 X 7 WSC



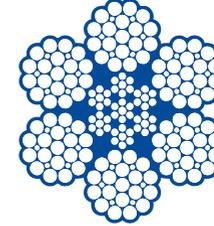
6 X 36 FC



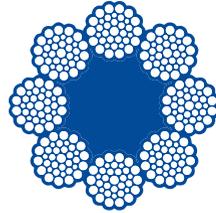
6 X 36 IWRC



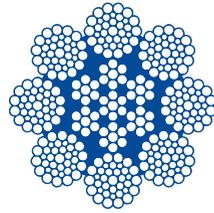
6 X 25 FC



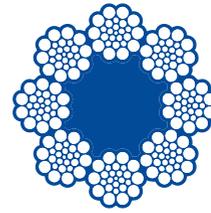
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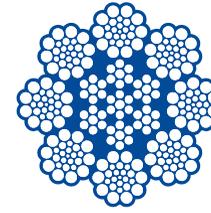
8 X 36 FC



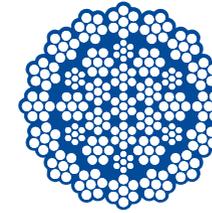
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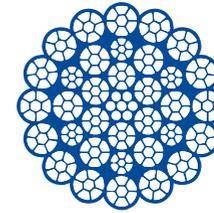
8 X 26 FC



8 X 26 IWRC

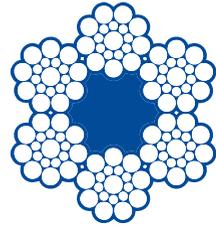


35 X 7

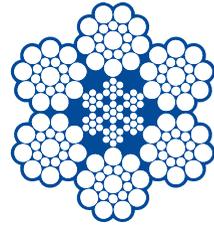


35 X 7 Kompakt

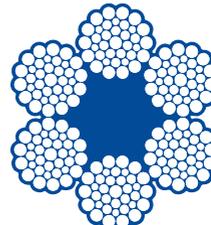
► MADENCİLİK HALATLARI MINING ROPES



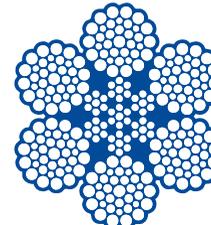
6 X 19 FC



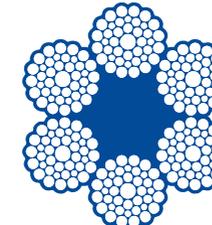
6 X 19 IWRC



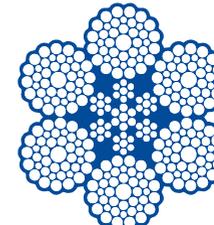
6 X 36 FC



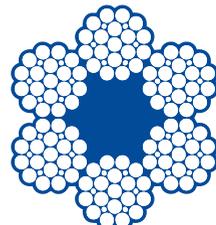
6 X 36 IWRC



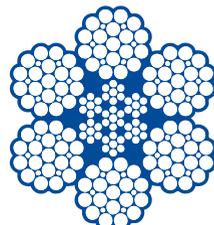
6 X 41 FC



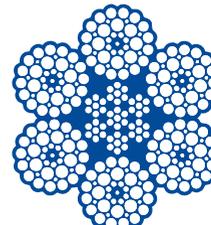
6 X 41 IWRC



6 X 25 FC



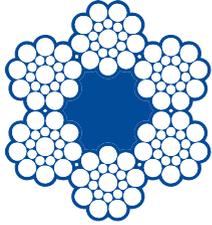
6 X 25 IWRC



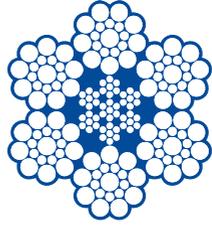
6 X 49 IWRC

ÇELİK HALATLAR STEEL WIRE ROPES

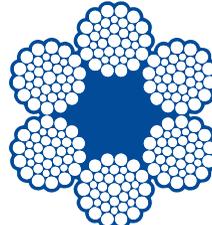
► DENİZCİLİK HALATLARI MARINE ROPES



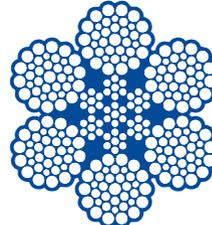
6 X 19 FC



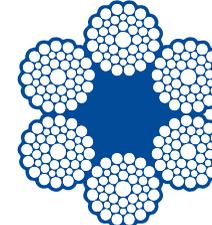
6 X 19 IWRC



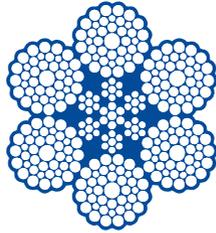
6 X 36 FC



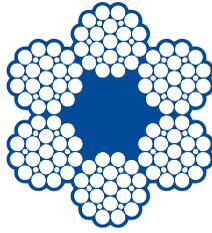
6 X 36 IWRC



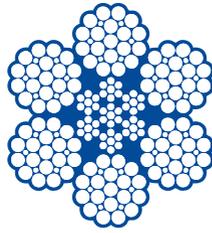
6 X 41 FC



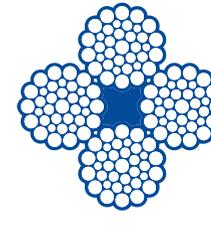
6 X 41 IWRC



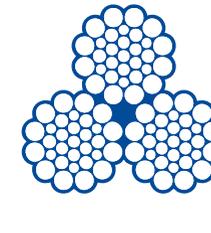
6 X 25 FC



6 X 25 IWRC

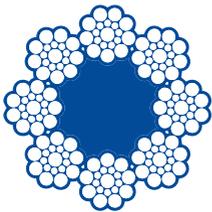


4 X 36 FC

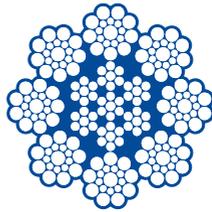


3 X 31

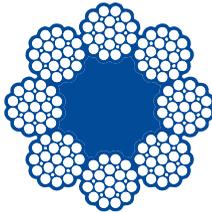
► ASANSÖR HALATLARI ELEVATOR ROPES



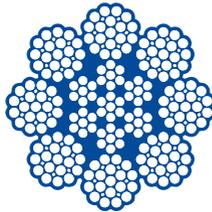
8 X 19 FC



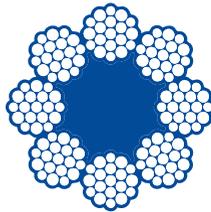
8 X 19 IWRC



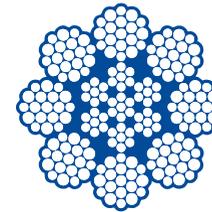
8 X 25 FC



8 X 25 IWRC



8 X 19 WFC



8 X 19 IWRC



ŞENOL MAKİNA





ŞENOL MAKİNA

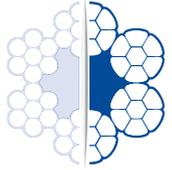
6x7 FC
1 (1+6)



Çap Aralığı: 8-46(mm)
Tel Sayısı: 42
Doluluk Oranı: 0,469
Dönme Oranı: 0,899

Diameter Range: 8-46(mm)
Number Of Wires: 42
Average Fill Factor: 0,469
Average Spin Factor: 0,899

6x7 FC
1 (1+6)
COMPACT



Çap Aralığı: 8-44(mm)
Tel Sayısı: 42
Doluluk Oranı: 0,495
Dönme Oranı: 0,899

Diameter Range: 8-44(mm)
Number Of Wires: 42
Average Fill Factor: 0,495
Average Spin Factor: 0,899

ÇELİK HALATLAR STEEL WIRE ROPES



► **6x7 LİF ÖZLÜ ÇELİK HALAT**
6x7 FIBRE CORE STEEL WIRE ROPES



► **6x7 LİF ÖZLÜ COMPACT ÇELİK HALAT**
6x7 FIBRE CORE COMPACT STEEL WIRE ROPES

KOD CODE	6 x 7 FC 6[1+6]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM267KÖG	2	0,014		2,7		
İZM367KÖG	3	0,032		6,0		
İZM467KÖG	4	0,057		10,6		
İZM567KÖG	5	0,089		16,6		
İZM667KÖG	6	0,129		23,9		
İZM867KÖG	8	0,221	33,4	37,6	41,6	45,9
İZM967KÖG	9	0,280	42,2	47,6	52,7	58,1
İZM1067KÖG	10	0,346	52,1	58,8	65,1	71,7
İZM1167KÖG	11	0,418	63,1	71,1	78,7	86,8
İZM1267KÖG	12	0,498	75,1	84,6	93,7	103
İZM1367KÖG	13	0,584	88,1	99,3	110	121
İZM1467KÖG	14	0,677	102	115	128	141
İZM1567KÖG	15	0,778	117	132	146	161
İZM1667KÖG	16	0,885	133	150	167	184
İZM1867KÖG	18	1,120	169	190	211	232
İZM2067KÖG	20	1,382	208	235	260	287
İZM2267KÖG	22	1,672	252	284	315	347
İZM2467KÖG	24	1,990	300	338	375	413
İZM2667KÖG	26	2,336	352	397	440	485
İZM2867KÖG	28	2,709	409	461	510	
İZM3267KÖG	32	3,538	534	602	666	

KOD CODE	6 x 7 FC 6[1+6] COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM867KÖGK	8	0,233	39,4	44,4	49,1	54,2
İZM967KÖGK	9	0,295	49,8	56,2	62,2	68,5
İZM1067KÖGK	10	0,365	61,5	69,3	76,8	84,6
İZM1167KÖGK	11	0,441	74,4	83,9	92,9	102,4
İZM1267KÖGK	12	0,525	89	99,9	110,6	122
İZM1367KÖGK	13	0,616	104	117,2	130	143
İZM1467KÖGK	14	0,715	121	136	150	166
İZM1567KÖGK	15	0,820	138	156	173	190
İZM1667KÖGK	16	0,933	157	178	197	217
İZM1867KÖGK	18	1,181	199	225	249	274
İZM2067KÖGK	20	1,458	246	277	307	338
İZM2267KÖGK	22	1,764	298	336	372	410
İZM2467KÖGK	24	2,100	354	399	442	487
İZM2667KÖGK	26	2,464	416	469	519	
İZM2867KÖGK	28	2,858	482	544	602	
İZM3267KÖGK	32	3,733	630	710		

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

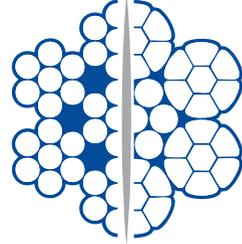
ÇELİK HALATLAR STEEL WIRE ROPES



No Swivel Tolerance Lubricate Preformed



► 6x7 ÇELİK ÖZLÜ ÇELİK HALAT 6X7 STEEL CORE STEEL WIRE ROPES



Very High Breaking Force Compacted No Swivel Tolerance Lubricate Preformed



► 6x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT 6X7 STEEL CORE COMPACT STEEL WIRE ROPES

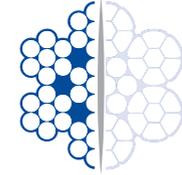
KOD CODE	6 x 7 WSC 6[1+6]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM867ÇÖG	8	0,247	36,1	40,7	45,0	49,6
İZM967ÇÖG	9	0,312	45,7	51,5	57,0	62,8
İZM1067ÇÖG	10	0,386	56,4	63,5	70,4	77,5
İZM1167ÇÖG	11	0,467	68,2	76,9	85,1	93,8
İZM1267ÇÖG	12	0,555	81,2	91,5	101	112
İZM1367ÇÖG	13	0,652	95,3	107	119	131
İZM1467ÇÖG	14	0,756	110	125	138	152
İZM1567ÇÖG	15	0,868	127	143	158	174
İZM1667ÇÖG	16	0,987	144	163	180	199
İZM1867ÇÖG	18	1,249	183	206	228	251
İZM2067ÇÖG	20	1,542	225	254	281	310
İZM2267ÇÖG	22	1,866	273	308	341	375
İZM2467ÇÖG	24	2,221	325	366	405	447
İZM2667ÇÖG	26	2,606	381	430	476	
İZM2867ÇÖG	28	3,023	442	498	552	
İZM3267ÇÖG	32	3,948	577	651	721	

KOD CODE	6 x 7 WSC 6[1+6] COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM867ÇÖGK	8	0,260	42,6	48,0	53,1	58,6
İZM967ÇÖGK	9	0,329	53,9	60,7	67,3	74,1
İZM1067ÇÖGK	10	0,407	66,5	75,0	83,0	91,5
İZM1167ÇÖGK	11	0,492	80,5	90,7	100,5	110,7
İZM1267ÇÖGK	12	0,586	96	108,0	120	132
İZM1367ÇÖGK	13	0,687	112	127	140	155
İZM1467ÇÖGK	14	0,797	130	147	163	179
İZM1567ÇÖGK	15	0,915	150	169	187	206
İZM1667ÇÖGK	16	1,041	170	192	213	234
İZM1867ÇÖGK	18	1,318	215	243	269	296
İZM2067ÇÖGK	20	1,627	266	300	332	366
İZM2267ÇÖGK	22	1,969	322	363	402	443
İZM2467ÇÖGK	24	2,343	383	432	478	527
İZM2667ÇÖGK	26	2,750	450	507	561	
İZM2867ÇÖGK	28	3,189	521	588	651	
İZM3267ÇÖGK	32	4,165	681	768	850	



ŞENOL MAKİNA

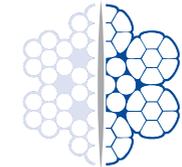
6x7 WSC
1 (1+6)



Çap Aralığı: 8-46(mm)
Tel Sayısı: 42
Doluluk Oranı: 0,55
Dönme Oranı: 0,831

Diameter Range: 8-46(mm)
Number Of Wires: 49
Average Fill Factor: 0,55
Average Spin Factor: 0,831

6x7 WSC
1 (1+6)
COMPACT



Çap Aralığı: 8-44(mm)
Tel Sayısı: 49
Doluluk Oranı: 0,58
Dönme Oranı: 0,84

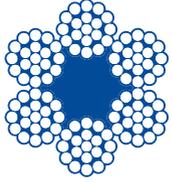
Diameter Range: 8-44(mm)
Number Of Wires: 49
Average Fill Factor: 0,580
Average Spin Factor: 0,84

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.



ŞENOL MAKİNA

6x19 Std FC
1 (1+6+12)



Çap Aralığı: 6-74(mm)
Tel Sayısı: 114
Doluluk Oranı: 0,454
Dönme Oranı: 0,859

Diameter Range: 6-74(mm)
Number Of Wires: 114
Average Fill Factor: 0,454
Average Spin Factor: 0,859



ÇELİK HALATLAR STEEL WIRE ROPES



No Swivel



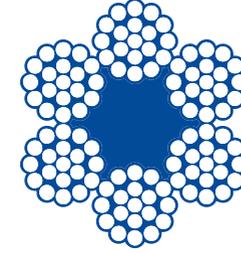
Tolerance



Lubricate



Preformed

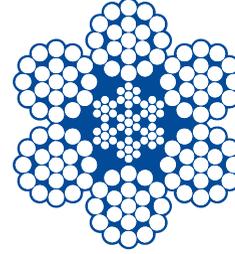


6x19 STANDART LİF ÖZLÜ ÇELİK HALAT 6x19 STANDART FIBRE CORE STEEL WIRE ROPES

KOD CODE	6 x 19 Std FC 6[1+6+12]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM6619KÖ	6	0,124	-	19,6	21,7	23,9
İZM7619KÖ	7	0,169	-	26,6	29,5	32,5
İZM8619KÖ	8	0,221	30,8	34,8	38,5	42,4
İZM9619KÖ	9	0,280	39,0	44,0	48,7	53,7
İZM10619KÖ	10	0,346	48,2	54,3	60,2	66,3
İZM11619KÖ	11	0,418	58,3	65,8	72,8	80,2
İZM12619KÖ	12	0,498	69,4	78,2	86,6	95,5
İZM13619KÖ	13	0,584	81,5	91,8	102	112
İZM14619KÖ	14	0,677	94,5	107	118	130
İZM15619KÖ	15	0,778	108	122	135	149
İZM16619KÖ	16	0,885	123	139	154	170
İZM18619KÖ	18	1,120	156	176	195	215
İZM20619KÖ	20	1,382	193	217	241	265
İZM21619KÖ	21	1,524	213	240	265	292
İZM22619KÖ	22	1,672	233	263	291	321
İZM24619KÖ	24	1,990	278	313	347	382
İZM26619KÖ	26	2,336	326	367	407	448
İZM28619KÖ	28	2,709	378	426	472	520
İZM32619KÖ	32	3,538	494	556	616	679
İZM36619KÖ	36	4,478	625	704	780	859
İZM40619KÖ	40	5,529	771	869	963	1.061
İZM44619KÖ	44	6,690	933	1.052	1.165	
İZM48619KÖ	48	7,962	1.111	1.252	1.386	
İZM52619KÖ	52	9,344	1.303	1.469	1.627	
İZM56619KÖ	56	10,837	1.512	1.704	1.887	
İZM60619KÖ	60	12,440	1.735	1.956		

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

ÇELİK HALATLAR STEEL WIRE ROPES



► 6x19 STANDART ÇELİK ÖZLÜ ÇELİK HALAT 6x19 STANDART STEEL CORE STEEL WIRE ROPES

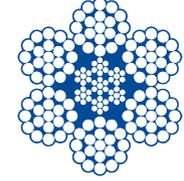
KOD CODE	6 x 19 Std IWRC 6[1+6+12]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM6619ÇÖ	6	0,137	-	21,2	23,4	25,8
İZM7619ÇÖ	7	0,187	-	28,8	31,9	35,1
İZM8619ÇÖ	8	0,244	33,4	37,6	41,6	45,9
İZM9619ÇÖ	9	0,309	42,2	47,6	52,7	58,1
İZM10619ÇÖ	10	0,381	52,1	58,8	65,1	71,7
İZM11619ÇÖ	11	0,461	63,1	71,1	78,7	86,8
İZM12619ÇÖ	12	0,549	75,1	84,6	93,7	103
İZM13619ÇÖ	13	0,644	88,1	99,3	110	121
İZM14619ÇÖ	14	0,747	102	115	128	141
İZM15619ÇÖ	15	0,858	117	132	146	161
İZM16619ÇÖ	16	0,976	133	150	167	184
İZM18619ÇÖ	18	1,235	169	190	211	232
İZM20619ÇÖ	20	1,524	208	235	260	287
İZM21619ÇÖ	21	1,681	230	259	287	316
İZM22619ÇÖ	22	1,845	252	284	315	347
İZM24619ÇÖ	24	2,195	300	338	375	413
İZM26619ÇÖ	26	2,576	352	397	440	485
İZM28619ÇÖ	28	2,988	409	461	510	562
İZM32619ÇÖ	32	3,903	534	602	666	734
İZM36619ÇÖ	36	4,939	676	762	843	929
İZM40619ÇÖ	40	6,098	834	940	1.041	1.147
İZM44619ÇÖ	44	7,378	1.009	1,138	1.260	
İZM48619ÇÖ	48	8,781	1.201	1,354	1.499	
İZM52619ÇÖ	52	10,305	1.409	1,589	1.760	
İZM56619ÇÖ	56	11,952	1.635	1,843	2.041	
İZM60619ÇÖ	60	13,720	1.876	2,116		

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.



ŞENOL MAKİNA

6x19 Std IWRC
1 (1+6+12)



Çap Aralığı: 6-74(mm)
Tel Sayısı: 163
Doluluk Oranı: 0,532
Dönme Oranı: 0,794

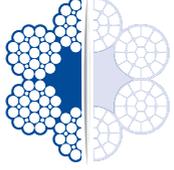
Diameter Range: 6-74(mm)
Number Of Wires: 163
Average Fill Factor: 0,532
Average Spin Factor: 0,794





ŞENOL MAKİNA

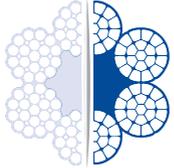
6x25F FC
6 (1+6+6F+12)



Çap Aralığı: 8-73(mm)
Tel Sayısı: 150
Doluluk Oranı: 0,488
Dönme Oranı: 0,859

Diameter Range: 8-73(mm)
Number Of Wires: 150
Average Fill Factor: 0,488
Average Spin Factor: 0,859

6x25F FC
6 (1+6+6F+12)
COMPACT



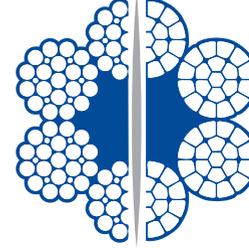
Çap Aralığı: 8-56(mm)
Tel Sayısı: 150
Doluluk Oranı: 0,515
Dönme Oranı: 0,859

Diameter Range: 8-56(mm)
Number Of Wires: 150
Average Fill Factor: 0,515
Average Spin Factor: 0,859

ÇELİK HALATLAR STEEL WIRE ROPES



► **6x25F LİF ÖZLÜ ÇELİK HALAT**
6x25F FIBRE CORE STEEL WIRE ROPES



► **6x25F LİF ÖZLÜ COMPACT ÇELİK HALAT**
6x25F FIBRE CORE COMPACT STEEL WIRE ROPES

KOD CODE	6 x 25 F FC 6(1+6+6F+12)		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8625KÖ	8	0,229	33,2	37,4	41,4	45,6
İZM9625KÖ	9	0,290	42,0	47,3	52,4	57,7
İZM10625KÖ	10	0,358	51,8	58,4	64,7	71,3
İZM11625KÖ	11	0,434	62,7	70,7	78,3	86,2
İZM12625KÖ	12	0,516	74,6	84,1	93,1	103
İZM13625KÖ	13	0,606	87,6	98,7	109	120
İZM14625KÖ	14	0,702	102	114	127	140
İZM15625KÖ	15	0,806	117	131	146	160
İZM16625KÖ	16	0,917	133	150	166	182
İZM18625KÖ	18	1,161	168	189	210	231
İZM20625KÖ	20	1,433	207	234	259	285
İZM21625KÖ	21	1,580	228	258	285	314
İZM22625KÖ	22	1,734	251	283	313	345
İZM24625KÖ	24	2,064	298	336	373	411
İZM26625KÖ	26	2,422	350	395	437	482
İZM28625KÖ	28	2,809	406	458	507	559
İZM32625KÖ	32	3,669	531	598	662	730
İZM36625KÖ	36	4,644	671	757	838	924
İZM40625KÖ	40	5,733	829	935	1.035	1.140
İZM44625KÖ	44	6,937	1.003	1.131	1.252	
İZM48625KÖ	48	8,256	1.194	1.346	1.490	
İZM52625KÖ	52	9,689	1.401	1.579	1.749	
İZM56625KÖ	56	11,237	1.625	1.832		
İZM60625KÖ	60	12,900	1.865	2.103		

KOD CODE	6 x 25 F FC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8625KÖK	8	0,247	37,1	41,9	46,4	51,1
İZM9625KÖK	9	0,313	47,0	53,0	58,7	64,7
İZM10625KÖK	10	0,386	58,0	65,4	72,4	79,8
İZM11625KÖK	11	0,467	70,2	79,2	87,7	96,6
İZM12625KÖK	12	0,556	83,6	94,2	104	115
İZM13625KÖK	13	0,653	98,1	111	122	135
İZM14625KÖK	14	0,757	114	128	142	156
İZM15625KÖK	15	0,869	131	147	163	180
İZM16625KÖK	16	1,009	151	170	189	208
İZM18625KÖK	18	1,277	191	216	239	263
İZM20625KÖK	20	1,576	236	266	295	325
İZM21625KÖK	21	1,738	260	294	325	358
İZM22625KÖK	22	1,907	286	322	357	393
İZM24625KÖK	24	2,270	340	384	425	468
İZM26625KÖK	26	2,664	399	450	498	549
İZM28625KÖK	28	3,090	463	522	578	637
İZM32625KÖK	32	4,036	605	682	755	832
İZM36625KÖK	36	5,107	765	863	956	1.053
İZM40625KÖK	40	6,306	945	1.065	1.180	
İZM44625KÖK	44	7,630	1.143	1.289	1.428	
İZM48625KÖK	48	9,080	1.361	1.534		
İZM52625KÖK	52	10,656	1.597	1.801		
İZM56625KÖK	56	12,359	1.852			

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

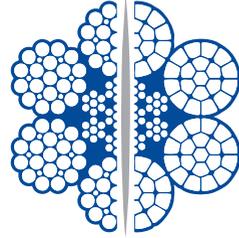
ÇELİK HALATLAR STEEL WIRE ROPES



No Swivel Tolerance Lubricate Preformed



► 6x25F ÇELİK ÖZLÜ ÇELİK HALAT 6x25F STEEL CORE STEEL WIRE ROPES



Very High Breaking Force Compacted No Swivel Tolerance Lubricate Preformed



► 6x25F ÇELİK ÖZLÜ COMPACT ÇELİK HALAT 6x25F STEEL CORE COMPACT STEEL WIRE ROPES

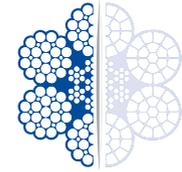
KOD CODE	6 x 25 F IWRC 6[1+6+6F+12]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8625ÇÖ	8	0,256	35,8	40,3	44,7	49,2
İZM9625ÇÖ	9	0,324	45,3	51,0	56,5	62,3
İZM10625ÇÖ	10	0,400	55,9	63,0	69,8	76,9
İZM11625ÇÖ	11	0,484	67,6	76,2	84,4	93,0
İZM12625ÇÖ	12	0,576	80,5	90,7	100	111
İZM13625ÇÖ	13	0,676	94,5	106	118	130
İZM14625ÇÖ	14	0,784	110	124	137	151
İZM15625ÇÖ	15	0,900	126	142	157	173
İZM16625ÇÖ	16	1,024	143	161	179	197
İZM18625ÇÖ	18	1,296	181	204	226	249
İZM20625ÇÖ	20	1,600	224	252	279	308
İZM21625ÇÖ	21	1,764	246	278	308	339
İZM22625ÇÖ	22	1,936	271	305	338	372
İZM24625ÇÖ	24	2,304	322	363	402	443
İZM26625ÇÖ	26	2,704	378	426	472	520
İZM28625ÇÖ	28	3,136	438	494	547	603
İZM32625ÇÖ	32	4,096	572	645	715	787
İZM36625ÇÖ	36	5,184	724	817	904	997
İZM40625ÇÖ	40	6,400	894	1.008	1.116	1.230
İZM44625ÇÖ	44	7,744	1.082	1.220	1.351	
İZM48625ÇÖ	48	9,216	1.288	1.452	1.608	
İZM52625ÇÖ	52	10,816	1.511	1.704	1.887	
İZM56625ÇÖ	56	12,544	1.753	1.976		
İZM60625ÇÖ	60	14,400	2.012	2.268		

KOD CODE	6 x 25 F IWRC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8625ÇÖK	8	0,276	40,1	45,2	50,0	55,1
İZM9625ÇÖK	9	0,349	50,7	57,2	63,3	69,8
İZM10625ÇÖK	10	0,431	62,6	70,6	78,1	86,1
İZM11625ÇÖK	11	0,522	75,7	85,4	94,6	104,2
İZM12625ÇÖK	12	0,621	90	102	113	124
İZM13625ÇÖK	13	0,729	106	119	132	146
İZM14625ÇÖK	14	0,845	123	138	153	169
İZM15625ÇÖK	15	0,970	141	159	176	194
İZM16625ÇÖK	16	1,126	163	184	204	224
İZM18625ÇÖK	18	1,425	206	233	258	284
İZM20625ÇÖK	20	1,760	255	287	318	351
İZM21625ÇÖK	21	1,940	281	317	351	387
İZM22625ÇÖK	22	2,129	308	348	385	424
İZM24625ÇÖK	24	2,534	367	414	458	505
İZM26625ÇÖK	26	2,974	431	486	538	593
İZM28625ÇÖK	28	3,449	500	563	624	687
İZM32625ÇÖK	32	4,504	652	736	815	898
İZM36625ÇÖK	36	5,701	826	931	1.031	1.136
İZM40625ÇÖK	40	7,038	1.019	1.149	1.273	
İZM44625ÇÖK	44	8,516	1.234	1.391	1.540	
İZM48625ÇÖK	48	10,135	1.468	1.655		
İZM52625ÇÖK	52	11,894	1.723	1.942		
İZM56625ÇÖK	56	13,795	1.998			



ŞENOL MAKİNA

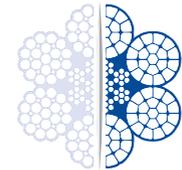
6x25F IWRC
6 (1+6+6F+12)



Çap Aralığı: 8-73(mm)
Tel Sayısı: 199
Doluluk Oranı: 0,571
Dönme Oranı: 0,792

Diameter Range: 8-73(mm)
Number Of Wires: 199
Average Fill Factor: 0,571
Average Spin Factor: 0,792

6x25F IWRC
6 (1+6+6F+12)
COMPACT



Çap Aralığı: 8-56(mm)
Tel Sayısı: 199
Doluluk Oranı: 0,603
Dönme Oranı: 0,792

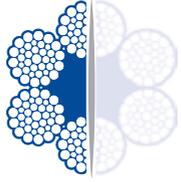
Diameter Range: 8-56(mm)
Number Of Wires: 199
Average Fill Factor: 0,603
Average Spin Factor: 0,792

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.



ŞENOL MAKİNA

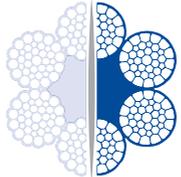
6 x 36WS FC
6[1+7+(7+7)+14]



Çap Aralığı: 8-80(mm)
Tel Sayısı: 216
Doluluk Oranı: 0,500
Dönme Oranı: 0,839

Diameter Range: 8-80(mm)
Number Of Wires: 216
Average Fill Factor: 0,500
Average Spin Factor: 0,839

6 x 36WS FC
COMPACT



Çap Aralığı: 8-56(mm)
Tel Sayısı: 216
Doluluk Oranı: 0,527
Dönme Oranı: 0,839

Diameter Range: 8-56(mm)
Number Of Wires: 216
Average Fill Factor: 0,527
Average Spin Factor: 0,839

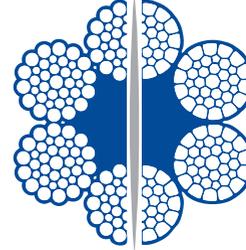
ÇELİK HALATLAR STEEL WIRE ROPES



No Swell Tolerance Lubricate Performance



► **6x36WS LİF ÖZLÜ ÇELİK HALAT**
6x36WS FIBRE CORE STEEL WIRE ROPES



High Breaking Force Compacted No Swell Tolerance Lubricate Performance



► **6x36WS LİF ÖZLÜ COMPACT ÇELİK HALAT**
6x36WS FIBRE CORE COMPACT STEEL WIRE ROPES

KOD CODE	6 x 36WS FC 6[1+7+(7+7)+14]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8636KÖ	8	0,235	33,2	37,4	41,4	45,6
İZM9636KÖ	9	0,297	42,0	47,3	52,4	57,7
İZM10636KÖ	10	0,367	51,8	58,4	64,7	71,3
İZM11636KÖ	11	0,444	62,7	70,7	78,3	86,2
İZM12636KÖ	12	0,529	74,6	84,1	93,1	103
İZM13636KÖ	13	0,621	87,6	98,7	109	120
İZM14636KÖ	14	0,720	102	114	127	140
İZM15636KÖ	15	0,826	117	131	146	160
İZM16636KÖ	16	0,940	133	150	166	182
İZM18636KÖ	18	1,190	168	189	210	231
İZM20636KÖ	20	1,469	207	234	259	285
İZM21636KÖ	21	1,619	228	258	285	314
İZM22636KÖ	22	1,777	251	283	313	345
İZM24636KÖ	24	2,115	298	336	373	411
İZM26636KÖ	26	2,482	350	395	437	482
İZM28636KÖ	28	2,879	406	458	507	559
İZM30636KÖ	30	3,305	466	526	582	642
İZM32636KÖ	32	3,760	531	598	662	730
İZM34636KÖ	34	4,245	599	675	748	824
İZM36636KÖ	36	4,759	671	757	838	924
İZM40636KÖ	40	5,875	829	935	1.035	1.140
İZM44636KÖ	44	7,109	1.003	1.131	1.252	1.380
İZM48636KÖ	48	8,460	1.194	1.346	1.490	
İZM52636KÖ	52	9,929	1.401	1.579	1.749	
İZM56636KÖ	56	11,515	1.625	1.832	2.028	
İZM60636KÖ	60	13,219	1.865	2.103	2.328	

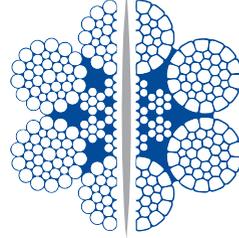
KOD CODE	6 x 36WS FC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8636KÖK	8	0,253	39,1	44,1	48,8	51,1
İZM9636KÖK	9	0,321	49,5	55,8	61,8	64,7
İZM10636KÖK	10	0,396	61,1	68,9	76,3	79,8
İZM11636KÖK	11	0,479	74,0	83,4	92,4	96,6
İZM12636KÖK	12	0,570	88,0	99,3	110	115
İZM13636KÖK	13	0,669	103	116	129	135
İZM14636KÖK	14	0,776	120	135	150	156
İZM15636KÖK	15	0,891	138	155	172	180
İZM16636KÖK	16	1,034	159	179	199	208
İZM18636KÖK	18	1,308	201	227	251	263
İZM20636KÖK	20	1,615	249	280	310	325
İZM21636KÖK	21	1,781	274	309	342	358
İZM22636KÖK	22	1,954	301	339	376	393
İZM24636KÖK	24	2,326	358	404	447	468
İZM26636KÖK	26	2,730	420	474	525	549
İZM28636KÖK	28	3,166	487	550	609	637
İZM30636KÖK	30	3,634	560	631	699	731
İZM32636KÖK	32	4,135	637	718	795	832
İZM34636KÖK	34	4,668	719	810	897	939
İZM36636KÖK	36	5,233	806	908	1006	1053
İZM40636KÖK	40	6,461	995	1121	1242	1300
İZM44636KÖK	44	7,817	1204	1357	1503	
İZM48636KÖK	48	9,303	1432	1615	1788	
İZM52636KÖK	52	10,919	1681	1895		
İZM56636KÖK	56	12,663	1950	2198		

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

ÇELİK HALATLAR STEEL WIRE ROPES



► **6x36WS ÇELİK ÖZLÜ ÇELİK HALAT**
6x36WS STEEL CORE STEEL WIRE ROPES



► **6x36WS ÇELİK ÖZLÜ COMPACT ÇELİK HALAT**
6x36WS STEEL CORE COMPACT STEEL WIRE ROPES

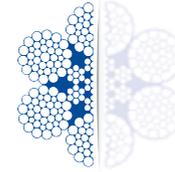
KOD CODE	6 x 36WS IWRC 6[1+7+(7+7)+14]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8636ÇÖ	8	0,262	35,8	40,3	44,7	49,2
İZM9636ÇÖ	9	0,332	45,3	51,0	56,5	62,3
İZM10636ÇÖ	10	0,409	55,9	63,0	69,8	76,9
İZM11636ÇÖ	11	0,495	67,6	76,2	84,4	93,0
İZM12636ÇÖ	12	0,590	80,5	90,7	100	111
İZM13636ÇÖ	13	0,692	94,5	106	118	130
İZM14636ÇÖ	14	0,802	110	124	137	151
İZM15636ÇÖ	15	0,921	126	142	157	173
İZM16636ÇÖ	16	1,048	143	161	179	197
İZM18636ÇÖ	18	1,326	181	204	226	249
İZM20636ÇÖ	20	1,638	224	252	279	308
İZM21636ÇÖ	21	1,805	246	278	308	339
İZM22636ÇÖ	22	1,981	271	305	338	372
İZM24636ÇÖ	24	2,358	322	363	402	443
İZM26636ÇÖ	26	2,767	378	426	472	520
İZM28636ÇÖ	28	3,210	438	494	547	603
İZM30636ÇÖ	30	3,684	503	567	628	692
İZM32636ÇÖ	32	4,192	572	645	715	787
İZM34636ÇÖ	34	4,732	646	728	807	889
İZM36636ÇÖ	36	5,306	724	817	904	997
İZM40636ÇÖ	40	6,550	894	1.008	1.116	1.230
İZM44636ÇÖ	44	7,926	1.082	1.220	1.351	1.489
İZM48636ÇÖ	48	9,432	1.288	1.452	1.608	
İZM52636ÇÖ	52	11,070	1.511	1.704	1.887	
İZM56636ÇÖ	56	12,838	1.753	1.976	2.188	
İZM60636ÇÖ	60	14,738	2.012	2.268	2.512	

KOD CODE	6 x 36WS IWRC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8636ÇÖK	8	0,282	42,2	47,6	52,7	55,1
İZM9636ÇÖK	9	0,358	53,4	60,2	66,7	69,8
İZM10636ÇÖK	10	0,441	66,0	74,4	82,3	86,1
İZM11636ÇÖK	11	0,534	79,8	90,0	99,6	104
İZM12636ÇÖK	12	0,636	95,0	107	119	124
İZM13636ÇÖK	13	0,746	111	126	139	146
İZM14636ÇÖK	14	0,865	129	146	161	169
İZM15636ÇÖK	15	0,993	148	167	185	194
İZM16636ÇÖK	16	1,152	172	194	214	224
İZM18636ÇÖK	18	1,459	217	245	271	284
İZM20636ÇÖK	20	1,801	268	302	335	351
İZM21636ÇÖK	21	1,985	296	333	369	387
İZM22636ÇÖK	22	2,179	325	366	405	424
İZM24636ÇÖK	24	2,593	386	436	482	505
İZM26636ÇÖK	26	3,043	453	511	566	593
İZM28636ÇÖK	28	3,529	526	593	656	687
İZM30636ÇÖK	30	4,052	604	681	754	789
İZM32636ÇÖK	32	4,610	687	774	857	898
İZM34636ÇÖK	34	5,204	775	874	968	1013
İZM36636ÇÖK	36	5,834	869	980	1085	1136
İZM40636ÇÖK	40	7,203	1073	1210	1340	1403
İZM44636ÇÖK	44	8,716	1298	1464	1621	
İZM48636ÇÖK	48	10,372	1545	1742	1929	
İZM52636ÇÖK	52	12,173	1814	2045		
İZM56636ÇÖK	56	14,118	2103	2371		



ŞENOL MAKİNA

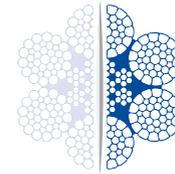
6 x 36WS IWRC
6[1+7+(7+7)+14]



Çap Aralığı: 8-80(mm)
Tel Sayısı: 265
Doluluk Oranı: 0,585
Dönme Oranı: 0,773

Diameter Range: 8-80(mm)
Number Of Wires: 265
Average Fill Factor: 0,585
Average Spin Factor: 0,773

6 x 36WS IWRC
COMPACT



Çap Aralığı: 8-56(mm)
Tel Sayısı: 265
Doluluk Oranı: 0,617
Dönme Oranı: 0,773

Diameter Range: 8-56(mm)
Number Of Wires: 265
Average Fill Factor: 0,617
Average Spin Factor: 0,773



ŞENOL MAKİNA

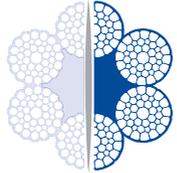
6 x 41WS FC
6[1+8+(8+8)+16]



Çap Aralığı: 12-64(mm)
Tel Sayısı: 246
Doluluk Oranı: 0,500
Dönme Oranı: 0,839

Diameter Range: 12-64(mm)
Number Of Wires: 246
Average Fill Factor: 0,500
Average Spin Factor: 0,839

6 x 41WS FC
COMPACT



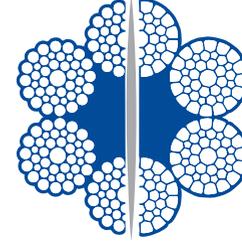
Çap Aralığı: 12-56(mm)
Tel Sayısı: 246
Doluluk Oranı: 0,527
Dönme Oranı: 0,839

Diameter Range: 12-56(mm)
Number Of Wires: 246
Average Fill Factor: 0,527
Average Spin Factor: 0,839

ÇELİK HALATLAR STEEL WIRE ROPES



► 6x41WS LİF ÖZLÜ ÇELİK HALAT
6x41WS FIBRE CORE STEEL WIRE ROPES



► 6x41WS LİF ÖZLÜ COMPACT ÇELİK HALAT
6x41WS FIBRE CORE COMPACT STEEL WIRE ROPES

KOD CODE	6 x 41WS FC 6[1+8+(8+8)+16]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM12641KÖ	12	0,529	74,6	84,1	93,1	103
İZM13141KÖ	13	0,621	87,6	98,7	109	120
İZM14641KÖ	14	0,720	102	114	127	140
İZM15641KÖ	15	0,827	117	131	146	160
İZM16641KÖ	16	0,940	133	150	166	182
İZM18641KÖ	18	1,190	168	189	210	231
İZM20641KÖ	20	1,469	207	234	259	285
İZM21641KÖ	21	1,620	228	258	285	314
İZM22641KÖ	22	1,778	251	283	313	345
İZM23141KÖ	23	1,943	274	309	342	377
İZM24641KÖ	24	2,116	298	336	373	411
İZM25641KÖ	25	2,296	324	365	404	446
İZM26641KÖ	26	2,483	350	395	437	482
İZM28641KÖ	28	2,880	406	458	507	559
İZM30641KÖ	30	3,306	466	526	582	642
İZM32641KÖ	32	3,762	531	598	662	730
İZM34641KÖ	34	4,247	599	675	748	824
İZM36641KÖ	36	4,761	671	757	838	924
İZM38641KÖ	38	5,305	748	843	934	
İZM40641KÖ	40	5,878	829	935	1.035	
İZM42641KÖ	42	6,480	914	1.030	1.141	
İZM44641KÖ	44	7,112	1.003	1.131	1.252	
İZM48641KÖ	48	8,464	1.194	1.346	1.490	
İZM52641KÖ	52	9,933	1.401	1.579	1.749	
İZM56641KÖ	56	11,520	1.625	1.832		
İZM60641KÖ	60	13,225	1.865	2.103		

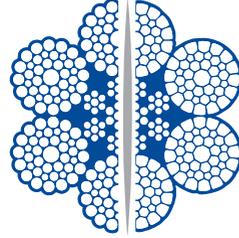
KOD CODE	6 x 41WS FC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM12641KÖK	12	0,570	88,0	99,3	110	115
İZM13141KÖK	13	0,669	103	116	129	135
İZM14641KÖK	14	0,776	120	135	150	156
İZM15641KÖK	15	0,891	138	155	172	180
İZM16641KÖK	16	1,034	159	179	199	208
İZM18641KÖK	18	1,309	201	227	251	263
İZM20641KÖK	20	1,616	249	280	310	325
İZM21641KÖK	21	1,782	274	309	342	358
İZM22641KÖK	22	1,955	301	339	376	393
İZM23141KÖK	23	2,137	329	371	411	430
İZM24641KÖK	24	2,327	358	404	447	468
İZM25641KÖK	25	2,525	389	438	485	508
İZM26641KÖK	26	2,731	420	474	525	549
İZM28641KÖK	28	3,167	487	550	609	637
İZM30641KÖK	30	3,636	560	631	699	731
İZM32641KÖK	32	4,137	637	718	795	832
İZM34641KÖK	34	4,670	719	810	897	939
İZM36641KÖK	36	5,236	806	908	1006	
İZM38641KÖK	38	5,834	898	1012	1121	
İZM40641KÖK	40	6,464	995	1121	1242	
İZM42641KÖK	42	7,126	1097	1236		
İZM44641KÖK	44	7,821	1204	1357		
İZM48641KÖK	48	9,308	1432	1615		
İZM52641KÖK	52	10,924	1681			
İZM56641KÖK	56	12,669	1950			

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

ÇELİK HALATLAR STEEL WIRE ROPES



► **6x41WS ÇELİK ÖZLÜ ÇELİK HALAT**
6x41WS STEEL CORE STEEL WIRE ROPES



► **6x41WS ÇELİK ÖZLÜ COMPACT ÇELİK HALAT**
6x41WS STEEL CORE COMPACT STEEL WIRE ROPES

KOD CODE	6 x 41WS IWRC 6[1+8+(8+8)+16]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM12641ÇÖ	12	0,590	80	91	100	111
İZM13641ÇÖ	13	0,692	94	106	118	130
İZM14641ÇÖ	14	0,803	110	124	137	151
İZM15641ÇÖ	15	0,922	126	142	157	173
İZM16641ÇÖ	16	1,049	143	161	179	197
İZM18641ÇÖ	18	1,328	181	204	226	249
İZM20641ÇÖ	20	1,639	224	252	279	308
İZM21641ÇÖ	21	1,807	246	278	308	339
İZM22641ÇÖ	22	1,983	271	305	338	372
İZM24641ÇÖ	24	2,360	322	363	402	443
İZM26641ÇÖ	26	2,770	378	426	472	520
İZM28641ÇÖ	28	3,212	438	494	547	603
İZM30641ÇÖ	30	3,688	503	567	628	692
İZM32641ÇÖ	32	4,196	572	645	715	787
İZM34641ÇÖ	34	4,736	646	728	807	889
İZM36641ÇÖ	36	5,310	724	817	904	997
İZM40641ÇÖ	40	6,556	894	1.008	1.116	
İZM44641ÇÖ	44	7,932	1.082	1.220	1.351	
İZM48641ÇÖ	48	9,440	1.288	1.452	1.608	
İZM52641ÇÖ	52	11,079	1.511	1.704	1.887	
İZM56641ÇÖ	56	12,849	1.753	1.976		
İZM60641ÇÖ	60	14,75	2.012	2.268		

KOD CODE	6 x 41WS IWRC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM12641ÇÖK	12	0,636	95,0	107	119	124
İZM13641ÇÖK	13	0,747	111	126	139	146
İZM14641ÇÖK	14	0,866	129	146	161	169
İZM15641ÇÖK	15	0,994	148	167	185	194
İZM16641ÇÖK	16	1,153	172	194	214	224
İZM18641ÇÖK	18	1,460	217	245	271	284
İZM20641ÇÖK	20	1,802	268	302	335	351
İZM21641ÇÖK	21	1,987	296	333	369	387
İZM22641ÇÖK	22	2,181	325	366	405	424
İZM24641ÇÖK	24	2,595	386	436	482	505
İZM26641ÇÖK	26	3,046	453	511	566	593
İZM28641ÇÖK	28	3,532	526	593	656	687
İZM30641ÇÖK	30	4,055	604	681	754	789
İZM32641ÇÖK	32	4,614	687	774	857	898
İZM34641ÇÖK	34	5,209	775	874	968	1013
İZM36641ÇÖK	36	5,839	869	980	1085	
İZM40641ÇÖK	40	7,209	1073	1210	1340	
İZM44641ÇÖK	44	8,723	1298	1464		
İZM48641ÇÖK	48	10,381	1545	1742		
İZM52641ÇÖK	52	12,183	1814			
İZM56641ÇÖK	56	14,130	2103			



ŞENOL MAKİNA

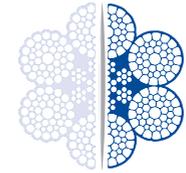
6 x 41WS IWRC
6[1+8+(8+8)+16]



Çap Aralığı: 12-64(mm)
Tel Sayısı: 295
Doluluk Oranı: 0,585
Dönme Oranı: 0,773

Diameter Range: 12-64(mm)
Number Of Wires: 295
Average Fill Factor: 0,585
Average Spin Factor: 0,773

6 x 41WS IWRC
COMPACT



Çap Aralığı: 12-56(mm)
Tel Sayısı: 295
Doluluk Oranı: 0,617
Dönme Oranı: 0,773

Diameter Range: 12-56(mm)
Number Of Wires: 295
Average Fill Factor: 0,617
Average Spin Factor: 0,773



ŞENOL MAKİNA

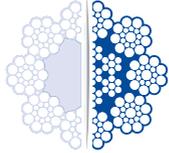
8x19S FC
8[1+9+9]



Çap Aralığı: 8-14(mm)
Tel Sayısı: 152
Doluluk Oranı: 0,444
Dönme Oranı: 0,839

Diameter Range: 8-14(mm)
Number Of Wires: 152
Average Fill Factor: 0,444
Average Spin Factor: 0,839

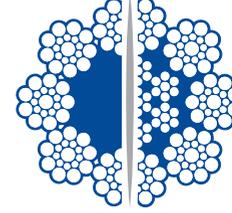
8x19S IWRC
8[1+9+9]



Çap Aralığı: 8-14(mm)
Tel Sayısı: 201
Doluluk Oranı: 0,581
Dönme Oranı: 0,779

Diameter Range: 8-14(mm)
Number Of Wires: 201
Average Fill Factor: 0,581
Average Spin Factor: 0,779

ÇELİK HALATLAR STEEL WIRE ROPES



► 8x19S LİF ÖZLÜ ÖN GERMELİ ASANSÖR HALATI 8x19S FIBRE CORE PRE-STRETCHED ELEVATOR WIRE ROPES

KOD CODE	8 x 19S FC 8[1+9+9]			MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)		
	ÇAP Diameter (mm)	ÇAP TOLERANSI Dia Tolerance (%)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]
İZM8819KÖ	8	+5 0	0,218	29,4	33,2	36,8
İZM9819KÖ	9		0,275	37,3	42,0	46,5
İZM10819KÖ	10		0,340	46,0	51,9	57,4
İZM11819KÖ	11		0,411	55,7	62,8	69,5
İZM12819KÖ	12		0,489	66,2	74,7	82,7
İZM13819KÖ	13		0,574	77,7	87,6	97,1
İZM14819KÖ	14		0,665	90,2	102	113

► 8x19S ÇELİK ÖZLÜ ÖN GERMELİ ASANSÖR HALATI 8x19S STEEL CORE PRE-STRETCHED ELEVATOR WIRE ROPES

KOD CODE	8 x 19S IWRC 8[1+9+9]			MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)		
	ÇAP Diameter (mm)	ÇAP TOLERANSI Dia Tolerance (%)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]
İZM8819ÇÖ	8	+5 0	0,260	35,8	40,3	44,7
İZM9819ÇÖ	9		0,330	45,3	51,0	56,5
İZM10819ÇÖ	10		0,407	55,9	63,0	69,8
İZM11819ÇÖ	11		0,493	67,6	76,2	84,4
İZM12819ÇÖ	12		0,587	80,5	90,7	100
İZM13819ÇÖ	13		0,689	94,5	106	118
İZM14819ÇÖ	14		0,799	110	124	137

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

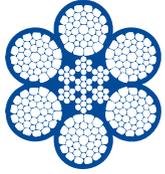
ÇELİK HALATLAR STEEL WIRE ROPES

ÖZEL HALATLARIN SAĞLADIĞI AVANTAJLAR

- Yüksek yük dayanımı
- Aşınmaya karşı direnç
- Uzun hizmet/ servis ömrü
- Dönme direnci
- Düşük uzama

Advantages of special wire ropes

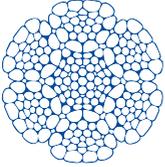
- More loading capacity
- Resistance to abrasion
- Long service life
- Rotation resistance
- Low elongated elevator ropes



Compact Çelik Halatlar Compacted Wire Ropes

Kompakt halatlar, standart halatlara kıyasla aynı çaplarda daha fazla yük taşıma kapasitesine sahiptir. Aşınmaya karşı daha dirençli olduklarından kullanım ömürleri daha uzundur. Bir çok farklı kompozisyona uygulanabilir. Yaygın olarak 6x19S, 6x26WS, 6x36WS, 18x7 ve 35x7'de tercih edilir.

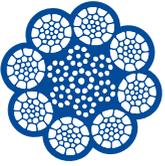
Compacted ropes have more load bearing capacities than the standard ropes with same diameters. Abrasion is less and usage lives are longer as they contact the reel surfaces in a larger area. Different rope compositions may be used in compact rope manufacture. However 6x19 Seale 6x26 Warrington Seale, 6x36 Warrington Seale, 18x7 ropes are preferred.



Swaged Çelik Halatlar Swaged Wire Ropes

Swaged Halatların temas yüzeyleri yüksek olduğundan dönme eğilimleri düşüktür. Standart halatlara kıyasla aynı çapa daha yüksek taşıma kapasitesi sağlar ve uzun ömürlüdür. Sıklıkla 6x26WS ve 6x19 Seale grubu halatlara uygulanır.

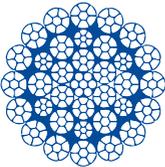
Swaged ropes have advantages such as supplying coils with larger contact areas, decreasing internal stress, lifting more loads than that of the ropes with the same diameters and having longer lifetime. In Swaged ropes production primarily 6x26 Warrington Seale and 6x19 Seale ropes are used.



Özü Plastik Kaplı Çelik Halatlar Plastic Coated Core Wire Rope

Özü plastik kaplı halatlar, uzun bakım süreleri, öz koruması, korozyona karşı koruması ve vinçlerde daha sessiz çalışma gibi avantajlar sağlar.

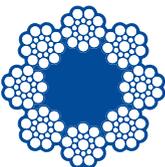
Ropes which cores coated with plastic have advantages such as having longer service lifetime and protection of internal wires effectively against corrosion also operating in silence in cranes.



Dönme Dayanımlı Çelik Halatlar Rotation Resistant Wire Ropes

Çelik halatlar yapısal özellikleri sebebiyle dönme eğilimlidir. Kaldırma operasyonlarının hızı ve yükseliğine bağlı olarak bu eğilim de artar. Bu sebeple yüksek irtifa kaldırma operasyonlarında çok sarmallı, dönme dayanımlı halatlar tercih edilmektedir.

Steel wire ropes indicate rotation behaviour due to their helical structure. Lifting is adversely affected as the rope rotates in high-altitude lifting operations. For this reason, non-rotation ropes with multi-layered construction are preferred for high-altitude lifting operations.



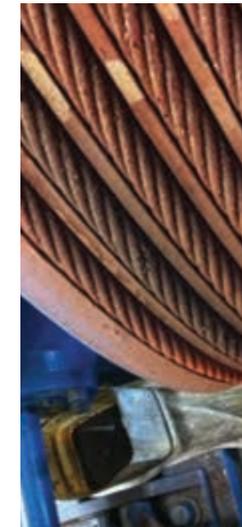
Ön Germeli Asansör Halatları Pre-stretched Elevator Wire Ropes

Asansör halatları kullanma bağı olarak yapısal uzamaya maruz kalmaktadır. Kurulum sonrasında bu uzamaya bağlı olarak yeniden düzenleme yapılır. İmalat sırasında uygulanan ön görme işlemi bu düzenlemelerin daha sağlıklı yapılmasını sağlamakta, yapısal uzamaları minimize etmektedir.

The elevator ropes are exposed to constructional elongation during use due to their fiber core structure. Due to this elongation, the rope length must be readjusted after the first installation in the elevators. By preventing this elongation in the production process, the need for re-adjustment is eliminated. The structural elongation of the rope is prevented by the pre-tensioning process applied to the ropes in the manufacturing process.



ŞENOL MAKİNA





ŞENOL MAKİNA

18 x 7 FC
[FC+6(1+6)+12(1+6)]



Çap Aralığı: 8-36(mm)
Tel Sayısı: 126
Doluluk Oranı: 0,530
Dönme Oranı: 0,757

Diameter Range: 8-36(mm)
Number Of Wires: 126
Average Fill Factor: 0,530
Average Spin Factor: 0,757

18 x 7 FC
COMPACT



Çap Aralığı: 8-36(mm)
Tel Sayısı: 126
Doluluk Oranı: 0,559
Dönme Oranı: 0,757

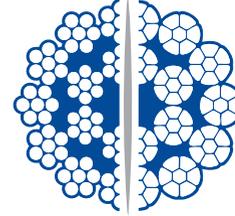
Diameter Range: 8-36(mm)
Number Of Wires: 126
Average Fill Factor: 0,559
Average Spin Factor: 0,757

ÇELİK HALATLAR STEEL WIRE ROPES



► 18x7 LİF ÖZLÜ ÇELİK HALAT 18x7 FIBRE CORE STEEL WIRE ROPES

KOD CODE	18 x 7 FC [FC+6(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8187KÖ	8	0,2453	33,0	37,2	41,1	45,3
İZM9187KÖ	9	0,3105	41,7	47,0	52,1	57,4
İZM10187KÖ	10	0,3833	51,5	58,1	64,3	70,8
İZM11187KÖ	11	0,4638	62,3	70,2	77,8	85,7
İZM12187KÖ	12	0,5520	74	83,6	92,6	102
İZM13187KÖ	13	0,6478	87	98,1	109	120
İZM14187KÖ	14	0,7513	101	114	126	139
İZM15187KÖ	15	0,8625	116	131	145	159
İZM16187KÖ	16	0,9813	132	149	165	181
İZM17187KÖ	17	1,1078	149	168	186	205
İZM18187KÖ	18	1,2420	167	188	208	230
İZM19187KÖ	19	1,3838	186	210	232	256
İZM20187KÖ	20	1,5333	206	232	257	283
İZM21187KÖ	21	1,6905	227	256	284	312
İZM22187KÖ	22	1,8553	249	281	311	343
İZM23187KÖ	23	2,0278	272	307	340	375
İZM24187KÖ	24	2,2080	297	334	370	408
İZM25187KÖ	25	2,3958	322	363	402	443
İZM26187KÖ	26	2,5913	348	392	435	479
İZM27187KÖ	27	2,7945	375	423	469	516
İZM28187KÖ	28	3,0053	404	455	504	555
İZM29187KÖ	29	3,2238	433	488	541	596
İZM30187KÖ	30	3,4500	463	523	579	638
İZM36187KÖ	36	4,9680	667	752	833	918



► 18x7 LİF ÖZLÜ COMPACT ÇELİK HALAT 18x7 FIBRE CORE COMPACT STEEL WIRE ROPES

KOD CODE	18 x 7 FC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8187KÖK	8	0,2588	38,9	43,8	48,6	50,8
İZM9187KÖK	9	0,3276	49,2	55,5	61,4	64,3
İZM10187KÖK	10	0,4044	60,8	68,5	75,9	79,3
İZM11187KÖK	11	0,4893	73,5	82,9	91,8	96,0
İZM12187KÖK	12	0,5824	88	99	109	114
İZM13187KÖK	13	0,6835	103	116	128	134
İZM14187KÖK	14	0,7927	119	134	149	156
İZM15187KÖK	15	0,9099	137	154	171	179
İZM16187KÖK	16	1,0353	156	175	194	203
İZM17187KÖK	17	1,1688	176	198	219	229
İZM18187KÖK	18	1,3103	197	222	246	257
İZM19187KÖK	19	1,4599	219	247	274	286
İZM20187KÖK	20	1,6177	243	274	303	317
İZM21187KÖK	21	1,7835	268	302	335	350
İZM22187KÖK	22	1,9574	294	332	367	384
İZM23187KÖK	23	2,1394	321	362	401	420
İZM24187KÖK	24	2,3294	350	395	437	457
İZM25187KÖK	25	2,5276	380	428	474	496
İZM26187KÖK	26	2,7339	411	463	513	536
İZM27187KÖK	27	2,9482	443	499	553	578
İZM28187KÖK	28	3,1706	476	537	595	622
İZM29187KÖK	29	3,4011	511	576	638	667
İZM30187KÖK	30	3,6398	547	617	683	714
İZM36187KÖK	36	5,2412	788	888	983	1028

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

ÇELİK HALATLAR STEEL WIRE ROPES



► 19x7 ÇELİK ÖZLÜ ÇELİK HALAT 19x7 STEEL CORE STEEL WIRE ROPES

► 19x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT 19x7 STEEL CORE COMPACT STEEL WIRE ROPES

KOD CODE	19 x 7 WSC [[1+6)+6(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8197ÇÖ	8	0.2560	33.0	37.2	41.1	45.3
İZM9197ÇÖ	9	0.3240	41.7	47.0	52.1	57.4
İZM10197ÇÖ	10	0.4000	51.5	58.1	64.3	70.8
İZM11197ÇÖ	11	0.4840	62.3	70.2	77.8	85.7
İZM12197ÇÖ	12	0.5760	74	84	93	102
İZM13197ÇÖ	13	0.6760	87	98	109	120
İZM14197ÇÖ	14	0.7840	101	114	126	139
İZM15197ÇÖ	15	0.9000	116	131	145	159
İZM168197ÇÖ	16	1.0240	132	149	165	181
İZM17197ÇÖ	17	1.1560	149	168	186	205
İZM18197ÇÖ	18	1.2960	167	188	208	230
İZM19197ÇÖ	19	1.4440	186	210	232	256
İZM20197ÇÖ	20	1.6000	206	232	257	283
İZM21197ÇÖ	21	1.7640	227	256	284	312
İZM22197ÇÖ	22	1.9360	249	281	311	343
İZM23197ÇÖ	23	2.1160	272	307	340	375
İZM24197ÇÖ	24	2.3040	297	334	370	408
İZM25197ÇÖ	25	2.5000	322	363	402	443
İZM26197ÇÖ	26	2.7040	348	392	435	479
İZM27197ÇÖ	27	2.9160	375	423	469	516
İZM28197ÇÖ	28	3.1360	404	455	504	555
İZM29197ÇÖ	29	3.3640	433	488	541	596
İZM30197ÇÖ	30	3.6000	463	523	579	638
İZM36197ÇÖ	36	5.1840	667	752	833	918

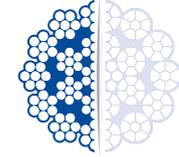
KOD CODE	19 x 7 WSC COMPACT		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM8197ÇÖK	8	0.270	38.9	43.8	48.6	50.8
İZM9197ÇÖK	9	0.342	49.2	55.5	61.4	64.3
İZM10197ÇÖK	10	0.422	60.8	68.5	75.9	79.3
İZM11197ÇÖK	11	0.511	73.5	82.9	91.8	96.0
İZM12197ÇÖK	12	0.608	88	99	109	114
İZM13197ÇÖK	13	0.713	103	116	128	134
İZM14197ÇÖK	14	0.827	119	134	149	156
İZM15197ÇÖK	15	0.950	137	154	171	179
İZM168197ÇÖK	16	1.080	156	175	194	203
İZM17197ÇÖK	17	1.220	176	198	219	229
İZM18197ÇÖK	18	1.367	197	222	246	257
İZM19197ÇÖK	19	1.523	219	247	274	286
İZM20197ÇÖK	20	1.688	243	274	303	317
İZM21197ÇÖK	21	1.861	268	302	335	350
İZM22197ÇÖK	22	2.042	294	332	367	384
İZM23197ÇÖK	23	2.232	321	362	401	420
İZM24197ÇÖK	24	2.431	350	395	437	457
İZM25197ÇÖK	25	2.638	380	428	474	496
İZM26197ÇÖK	26	2.853	411	463	513	536
İZM27197ÇÖK	27	3.076	443	499	553	578
İZM28197ÇÖK	28	3.308	476	537	595	622
İZM29197ÇÖK	29	3.549	511	576	638	667
İZM30197ÇÖK	30	3.798	547	617	683	714
İZM36197ÇÖK	36	5.469	788	888	983	1028

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.



ŞENOL MAKİNA

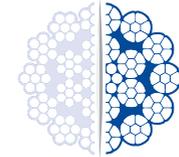
19 x 7 WSC
[[1+6)+6(1+6)+12(1+6)]



Çap Aralığı: 8-36(mm)
Tel Sayısı: 133
Doluluk Oranı: 0,551
Dönme Oranı: 0,757

Diameter Range: 8-36(mm)
Number Of Wires: 216
Average Fill Factor: 0,551
Average Spin Factor: 0,757

19 x 7 WSC
COMPACT



Çap Aralığı: 8-36(mm)
Tel Sayısı: 126
Doluluk Oranı: 0,582
Dönme Oranı: 0,757

Diameter Range: 8-36(mm)
Number Of Wires: 126
Average Fill Factor: 0,582
Average Spin Factor: 0,757



ŞENOL MAKİNA

24x7 PWRC

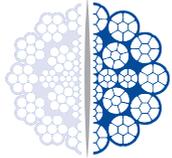
[(1)+4(1+6)+4x(1+6)/
4(1+6)+12(1+6)]



Çap Aralığı: 10-36(mm)
Tel Sayısı: 168
Doluluk Oranı: 0,557
Dönme Oranı: 0,758

Diameter Range: 10-36(mm)
Number Of Wires: 168
Average Fill Factor: 0,557
Average Spin Factor: 0,758

24x7 PWRC
COMPACT



Çap Aralığı: 10-36(mm)
Tel Sayısı: 168
Doluluk Oranı: 0,5876
Dönme Oranı: 0,758

Diameter Range: 10-36(mm)
Number Of Wires: 168
Average Fill Factor: 0,5876
Average Spin Factor: 0,758

ÇELİK HALATLAR STEEL WIRE ROPES

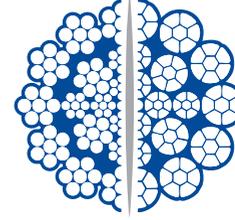


Swivel Tolerance Lubricate Preformed



► 24x7 ÇELİK ÖZLÜ ÇELİK HALAT 24x7 STEEL CORE STEEL WIRE ROPES

KOD CODE	24x7 [(1)+4(1+6)+4x(1+6)/ 4(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM10247ÇÖ	10	0,427	57	64	71	76
İZM11247ÇÖ	11	0,517	68	77	85	91
İZM12247ÇÖ	12	0,615	81	92	102	109
İZM13247ÇÖ	13	0,722	96	108	119	128
İZM14247ÇÖ	14	0,838	111	125	138	148
İZM15247ÇÖ	15	0,962	127	143	159	170
İZM16247ÇÖ	16	1,094	145	163	181	194
İZM17247ÇÖ	17	1,235	163	184	204	218
İZM18247ÇÖ	18	1,385	183	206	229	245
İZM19247ÇÖ	19	1,543	204	230	255	273
İZM20247ÇÖ	20	1,710	226	255	282	302
İZM21247ÇÖ	21	1,885	249	281	311	333
İZM22247ÇÖ	22	2,069	274	308	342	366
İZM23247ÇÖ	23	2,261	299	337	373	400
İZM24247ÇÖ	24	2,462	326	367	406	435
İZM25247ÇÖ	25	2,671	353	398	441	473
İZM26247ÇÖ	26	2,889	382	431	477	511
İZM27247ÇÖ	27	3,116	412	465	514	551
İZM28247ÇÖ	28	3,351	443	500	553	593
İZM29247ÇÖ	29	3,594	475	536	593	636
İZM30247ÇÖ	30	3,847	509	573	635	680
İZM32247ÇÖ	32	4,377	579	652	723	774
İZM34247ÇÖ	34	4,941	653	737	816	
İZM36247ÇÖ	36	5,539	732	826	914	



Very High Breaking Force Compacted Swivel Tolerance Lubricate Preformed

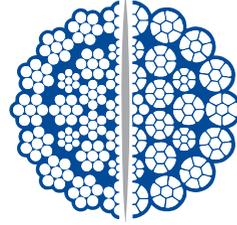


► 24x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT 24x7 STEEL CORE COMPACT STEEL WIRE ROPES

KOD CODE	24x7 Compact [(1)+4(1+6)+4x(1+6)/ 4(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM10247ÇÖK	10	0,451	67	75	83	85
İZM11247ÇÖK	11	0,546	81	91	101	102
İZM12247ÇÖK	12	0,649	96	108	120	122
İZM13247ÇÖK	13	0,762	113	127	141	143
İZM14247ÇÖK	14	0,884	131	147	163	166
İZM15247ÇÖK	15	1,015	150	169	187	191
İZM16247ÇÖK	16	1,154	171	192	213	217
İZM17247ÇÖK	17	1,303	193	217	241	245
İZM18247ÇÖK	18	1,461	216	244	270	274
İZM19247ÇÖK	19	1,628	241	271	301	306
İZM20247ÇÖK	20	1,804	267	301	333	339
İZM21247ÇÖK	21	1,988	294	332	367	373
İZM22247ÇÖK	22	2,182	323	364	403	410
İZM23247ÇÖK	23	2,385	353	398	440	448
İZM24247ÇÖK	24	2,597	384	433	480	488
İZM25247ÇÖK	25	2,818	417	470	520	529
İZM26247ÇÖK	26	3,048	451	508	563	572
İZM27247ÇÖK	27	3,287	486	548	607	617
İZM28247ÇÖK	28	3,535	523	589	653	664
İZM29247ÇÖK	29	3,792	561	632	700	712
İZM30247ÇÖK	30	4,058	600	677	749	762
İZM32247ÇÖK	32	4,617	683	770	853	867
İZM34247ÇÖK	34	5,212	771	869	962	
İZM36247ÇÖK	36	5,844	864	974	1079	

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.

ÇELİK HALATLAR STEEL WIRE ROPES



► 35x7 ÇELİK ÖZLÜ ÇELİK HALAT 35x7 STEEL CORE STEEL WIRE ROPES

► 35x7 ÇELİK ÖZLÜ COMPACT ÇELİK HALAT 35x7 STEEL CORE COMPACT STEEL WIRE ROPES

KOD CODE	35x7 [(1)+4(1+6)+4x(1+6)/ 4(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM10357ÇÖ	10	0,427	57	64	71	76
İZM11357ÇÖ	11	0,517	68	77	85	91
İZM12357ÇÖ	12	0,615	81	92	102	109
İZM13357ÇÖ	13	0,722	96	108	119	128
İZM14357ÇÖ	14	0,838	111	125	138	148
İZM15357ÇÖ	15	0,962	127	143	159	170
İZM16357ÇÖ	16	1,094	145	163	181	194
İZM17357ÇÖ	17	1,235	163	184	204	218
İZM18357ÇÖ	18	1,385	183	206	229	245
İZM19357ÇÖ	19	1,543	204	230	255	273
İZM20357ÇÖ	20	1,710	226	255	282	302
İZM21357ÇÖ	21	1,885	249	281	311	333
İZM22357ÇÖ	22	2,069	274	308	342	366
İZM23357ÇÖ	23	2,261	299	337	373	400
İZM24357ÇÖ	24	2,462	326	367	406	435
İZM25357ÇÖ	25	2,671	353	398	441	473
İZM26357ÇÖ	26	2,889	382	431	477	511
İZM27357ÇÖ	27	3,116	412	465	514	551
İZM28357ÇÖ	28	3,351	443	500	553	593
İZM29357ÇÖ	29	3,594	475	536	593	636
İZM30357ÇÖ	30	3,847	509	573	635	680
İZM32357ÇÖ	32	4,377	579	652	723	774
İZM34357ÇÖ	34	4,941	653	737	816	
İZM36357ÇÖ	36	5,539	732	826	914	

KOD CODE	35x7 Compact [(1)+4(1+6)+4x(1+6)/ 4(1+6)+12(1+6)]		MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)			
	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	1570 [N/mm ²]	1770 [N/mm ²]	1960 [N/mm ²]	2160 [N/mm ²]
İZM10357ÇÖK	10	0,451	67	75	83	85
İZM11357ÇÖK	11	0,546	81	91	101	102
İZM12357ÇÖK	12	0,649	96	108	120	122
İZM13357ÇÖK	13	0,762	113	127	141	143
İZM14357ÇÖK	14	0,884	131	147	163	166
İZM15357ÇÖK	15	1,015	150	169	187	191
İZM16357ÇÖK	16	1,154	171	192	213	217
İZM17357ÇÖK	17	1,303	193	217	241	245
İZM18357ÇÖK	18	1,461	216	244	270	274
İZM19357ÇÖK	19	1,628	241	271	301	306
İZM20357ÇÖK	20	1,804	267	301	333	339
İZM21357ÇÖK	21	1,988	294	332	367	373
İZM22357ÇÖK	22	2,182	323	364	403	410
İZM23357ÇÖK	23	2,385	353	398	440	448
İZM24357ÇÖK	24	2,597	384	433	480	488
İZM25357ÇÖK	25	2,818	417	470	520	529
İZM26357ÇÖK	26	3,048	451	508	563	572
İZM27357ÇÖK	27	3,287	486	548	607	617
İZM28357ÇÖK	28	3,535	523	589	653	664
İZM29357ÇÖK	29	3,792	561	632	700	712
İZM30357ÇÖK	30	4,058	600	677	749	762
İZM32357ÇÖK	32	4,617	683	770	853	867
İZM34357ÇÖK	34	5,212	771	869	962	
İZM36357ÇÖK	36	5,844	864	974	1079	

Diğer çaplar ve özel gereksinimler için lütfen bizimle iletişime geçin. For other diameters and special requirements, please contact us.



ŞENOL MAKİNA

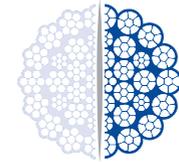
35x7 PWRC
[(1)+4(1+6)+4x(1+6)/
4(1+6)+12(1+6)]



Çap Aralığı: 10-36(mm)
Tel Sayısı: 245
Doluluk Oranı: 0,577
Dönme Oranı: 0,758

Diameter Range: 10-36(mm)
Number Of Wires: 245
Average Fill Factor: 0,577
Average Spin Factor: 0,758

**35x7 PWRC
COMPACT**

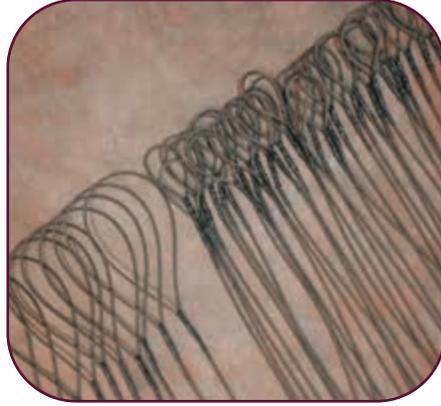
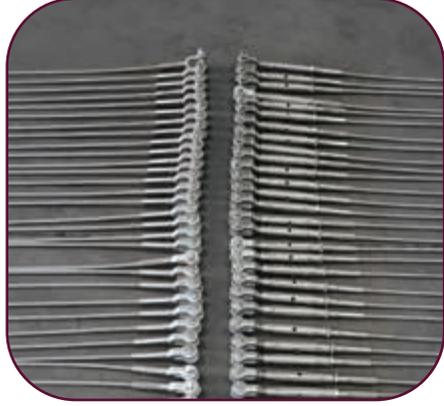


Çap Aralığı: 10-36(mm)
Tel Sayısı: 245
Doluluk Oranı: 0,646
Dönme Oranı: 0,758

Diameter Range: 10-36(mm)
Number Of Wires: 245
Average Fill Factor: 0,646
Average Spin Factor: 0,758



ŞENOL MAKİNA





ŞENOL MAKİNA

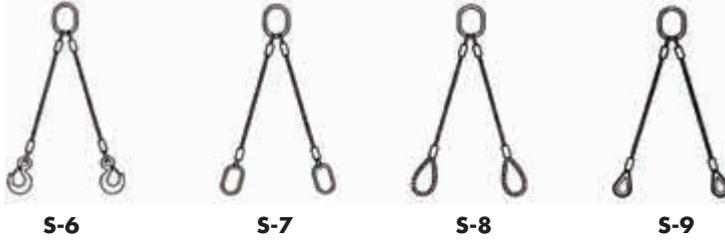


ÇELİK SAPANLAR WIRE ROPE SLINGS

► TEK KOLLU ÇELİK SAPAN SINGLE LEG SLINGS



► İKİ KOLLU ÇELİK SAPAN TWO LEG SLINGS



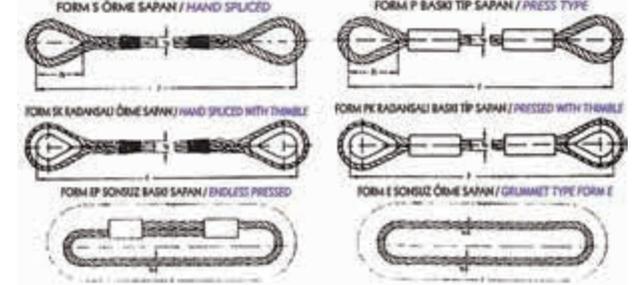
► ÜÇ KOLLU ÇELİK SAPAN THREE LEG SLINGS



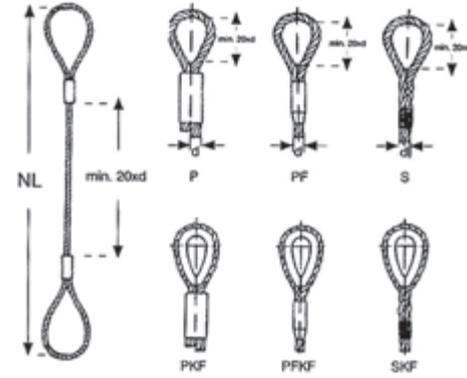
► DÖRT KOLLU ÇELİK SAPAN FOUR LEG SLINGS



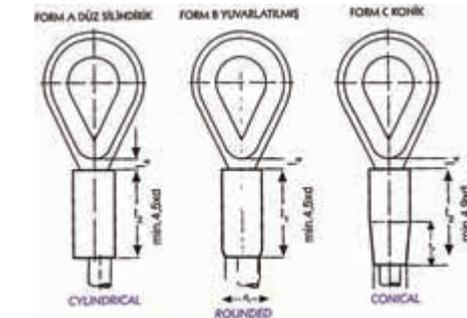
► DIN 3088 STANDARDINA UYGUN SAPAN ÇEŞİTLERİ WIRE ROPE SLING Acc. To DIN 3088



► GÖZ TİPLERİ VE BOYUTLARI EYE TYPES AND DIMENSIONS



► EN 13411-3 STANDARDINA UYGUN BASKI TİPLERİ PRESSING TYPES Acc. To EN 13411-3

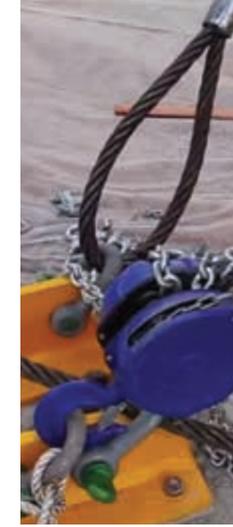




ÇELİK SAPANLAR WIRE ROPE SLINGS

► **LİF ÖZLÜ ÇELİK HALAT BASKI SAPANLAR İÇİN GÜVENLİ ÇALIŞMA YÜK DEĞERLERİ HALAT GRUPLARI: 6x36 ve 8x36 SAPAN STANDARDI: EN 13414**
WORKING LOAD LIMITS FOR SLINGS USING "FIBER CORED" ROPE OF CLASSES 6X36 AND 8X36 HAVING FRERULE-SECURED EYE TERMINATIONS SLING STANDARD: EN 13414

TİP TYPE	TEK BACAK 1 LEG	BOĞDURMA CHOKER HILCH	SEPET SAPAN BASKET SLING		2 BACAK 2 LEGS		BOĞDURMA 2 BACAK CHOKER HILCH		3 VEYA 4 BACAKLI 3 OR 4 LEGS SLINGS		SONSUZ ENDLESS	
			0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	-	-
AÇI ANGLE	-	-	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	-	-
BACAK FAKTÖRÜ LEG FACTOR	1,0	0,8	1,4	1,0	1,4	1,0	1,2	0,8	2,1	1,5	2X2	1,6
HALAT ÇAPI ROPE DIA	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg
8 mm	700	560	980	700	980	700	840	560	1500	1050	2800	1100
10 mm	1050	840	1470	1050	1470	1050	1260	840	2250	1600	4200	1700
12 mm	1550	1240	2170	1550	2170	1550	1860	1240	3300	2300	6200	2500
13 mm	1800	1440	2520	1800	2520	1800	2160	1440	3850	2700	7200	2900
14 mm	2120	1700	2970	2120	2970	2120	2550	1700	4350	3150	8480	3300
16 mm	2700	2160	3780	2700	3780	2700	3240	2160	5650	4200	10800	4350
18 mm	3400	2720	4760	3400	4760	3400	4100	2720	7200	5200	13600	5650
20 mm	4350	3480	6100	4350	6100	4350	5200	3480	9000	6500	17400	6900
22 mm	5200	4160	7280	5200	7280	5200	6240	4160	11000	7800	20800	8400
24 mm	6300	5040	8820	6300	8820	6300	7560	5040	13500	9400	25200	10000
26 mm	7200	5760	10080	7200	10080	7200	8640	5760	15000	11000	28800	11800
28 mm	8400	6720	11760	8400	11760	8400	10080	6720	18000	12500	33600	13500
32 mm	11000	8800	15400	11000	15400	11000	13200	8800	23500	16500	44000	18000
36 mm	14000	11200	19600	14000	19600	14000	16800	11200	29000	21000	56000	22500
40 mm	17000	13600	23800	17000	23800	17000	20400	13600	36000	26000	68000	28000
44 mm	21000	16800	29400	21000	29400	21000	25200	16800	44000	31500	84000	33500
48 mm	25000	20000	35000	25000	35000	25000	30000	20000	52000	37000	100000	40000
52 mm	29000	23200	40600	29000	40600	29000	34800	23200	62000	44000	116000	47000
56 mm	33500	26800	46900	33500	46900	33500	40200	26800	71000	50000	134000	54000
60 mm	39000	31200	54600	39000	54600	39000	46800	31200	81000	58000	156000	63000





ŞENOL MAKİNA

ÇELİK SAPANLAR WIRE ROPE SLINGS

► GROMMET ÇELİK SAPANLAR GROMMET SLINGS

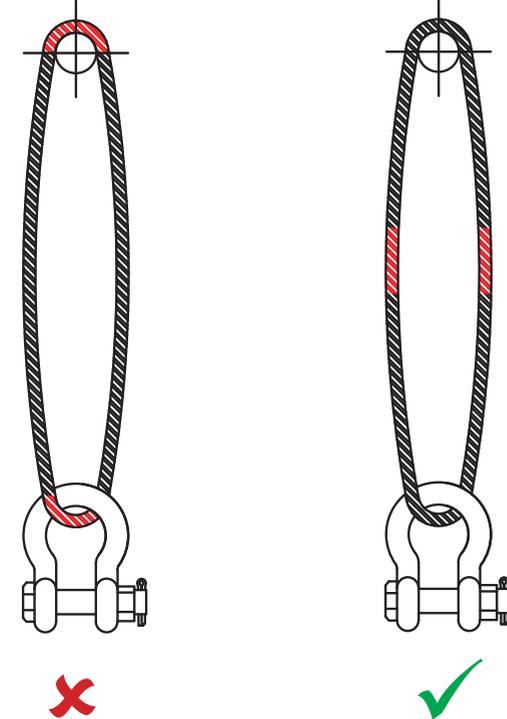
Grommet sapanlar güncel EN 13414-1, EN 13414-3 ve IMCA (International Marine Contractors Association) M179 standartlarına uygun olarak üretilmektedir.

All grommet slings are manufactured in accordance with the current version of EN 13414-1, EN 13414-3 and IMCA M179 from the International Marine Contractors Association.



Üretilen sapanlar Türkiye’de tek olan 450 ton kapasiteli TSE kalibrasyonlu çekme test cihazımızla test edilerek, sertifikalandırılmaktadır. Üretimi yapılan ürünlerin yanı sıra, yıllık periyodik test ihtiyacı duyulan ürünlerin uluslararası standartlarda testleri gerçekleştirilmektedir.

The produced slings are tested and certified with by our TSE calibrated test bench with a capacity of 450 tons, which is unique in Türkiye. In addition to the products produced, the products that require annual periodic tests are tested in international standards.





ÇELİK SAPANLAR WIRE ROPE SLINGS

► GROMMET ÇELİK SAPANLAR GROMMET SLINGS

GROMMET ÇAPI GROMMET DIA	TEK HALAT ÇAPI SINGLE ROPE DIA	MIN. KOPMA YÜKÜ (EN 13414-3' E GÖRE) MBL (ACC. EN 13414-3)	GÜVENLİ ÇALIŞMA YÜKÜ (EN 13414-3' E GÖRE) SWL (ACC. EN 13414-3)	MIN. KOPMA YÜKÜ (IMCA M 179' A GÖRE) MBL (ACC. IMCA M 179)	GÜVENLİ ÇALIŞMA YÜKÜ (IMCA M 179' A GÖRE) SWL (ACC. IMCA M 179)	GÜVENLİK KAT SAYISI SAFETY FACTOR
mm	mm	ton	ton	ton	ton	
24	8	49,22	9,84	46,49	9,31	5:1
27	9	62,33	12,47	58,87	11,77	5:1
30	10	76,87	15,37	72,60	14,52	5:1
33	11	93,06	18,61	87,89	17,58	5:1
36	12	111,23	22,25	105,05	21,01	5:1
39	13	129,95	25,29	122,73	24,55	5:1
42	14	150,88	30,18	142,50	28,50	5:1
48	16	197,13	39,43	186,18	37,24	5:1
54	18	248,89	49,78	235,06	47,01	5:1
60	20	307,26	61,45	290,19	58,04	5:1
66	22	372,24	76,28	351,56	72,04	4,88:1
72	24	442,72	93,20	418,12	88,03	4,75:1
78	26	519,81	112,76	490,93	106,49	4,61:1
84	28	602,41	134,47	568,94	127,00	4,48:1
90	30	691,61	158,99	653,19	150,16	4,35:1
96	32	787,42	186,59	743,68	176,28	4,22:1
102	34	888,74	217,30	839,37	205,22	4,09:1
108	36	996,67	252,32	941,30	238,30	3,95:1
114	38	1110,10	290,60	1048,43	274,46	3,82:1
120	40	1230,14	333,37	1161,80	314,85	3,69:1
126	42	1356,79	381,12	1281,42	359,95	3,56:1
132	44	1488,95	434,11	1406,23	409,98	3,43:1
144	48	1771,98	560,75	1673,54	529,60	3,16:1
156	52	2079,24	719,46	1963,73	679,49	2,89:1

Verilen değerler EN 12385'e göre 6X36 WS çelik özlü, 1960N/mm² halatlar baz alınarak hesaplanmıştır.
Loads have calculated acc. to EN 12385 for 6X36WS+IWRC 1960N/mm² steel wire ropes.



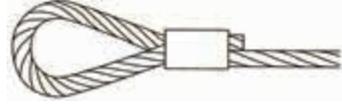


ŞENOL MAKİNA



ÇELİK HALAT SONLANDIRMA TÜRLERİ WIRE ROPE ENDING TYPES

► HALAT UCU SONLANDIRMA İŞLEMLERİ HALATIN KOPMA KAPASİTESİNİ AZALTIR. BELİRTİLEN YÜZDELER MİNİMUM KOPMA YÜKLERİNİN ORANIDIR.
Wire rope fittings operations can not provide the same performance as unwaged. Percentages refer to minimum breaking loads.



%90

Alüminyum Ferrule Yüzük Pres Baskı
EN13411 / EN13414
Aluminium Ferrule Swaged Sling



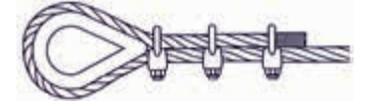
%80

El Örgüsü Çelik Radansalı Sapan
EN13411 / EN13414
Plaited Steel Wire Rope Sling With Thimble



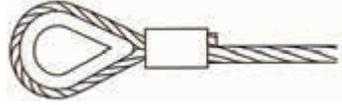
%80

El Örgüsü Çelik Sapan
EN13411 / EN13414
Plaited Steel Sling



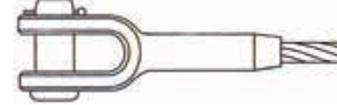
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Klemensli Çelik Sapan
EN13411 / EN13414
Steel Sling With Clips



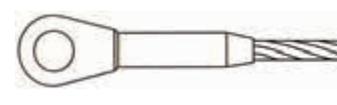
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Çelik Radansalı
Alüminyum Ferrule Yüzük Pres Baskı
EN13411 / EN13414
Aluminium Ferrule Swaged Sling
With Steel Thimble



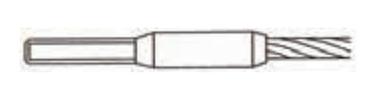
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Preslenmiş Çelik Çatal Baskı
EN13411 / EN13414
Swaged Steel Fork



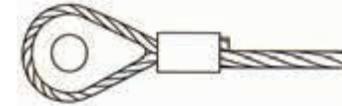
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Preslenmiş Çelik Mapa Baskı
EN13411 / EN13414
Swaged Steel Eye



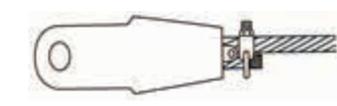
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Preslenmiş Çelik Saplama Baskı
EN13411 / EN13414
Swaged Steel Stud



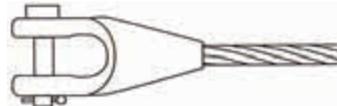
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Çelik Dolu Radansalı
Alüminyum Ferrule Yüzük Pres Baskı
EN13411 / EN13414
Aluminium Ferrule Swaged Sling With Steel Thimble



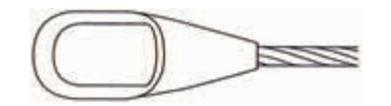
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Açık Ağız Soket
DIN 15315
Open Type Socket



%100

Açık Tip Dökme Soket
EN13411 / EN13414
Open Type Socket With Wire Lock



%100

Kapalı Tip Dökme Soket
EN13411 / EN13414
Closed Type Socket With Wirelock



SNL TENSI - MEMBRAN GERGI SİSTEMLERİ
TENSILE STRUCTURE SYSTEMS

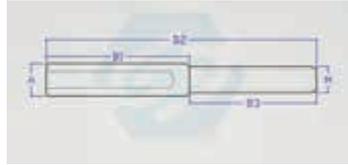


ŞENOL MAKİNA



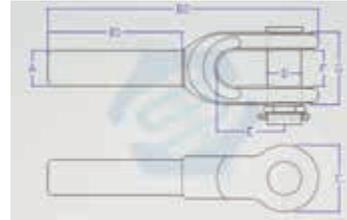
SNL TENSI - MEMBRAN GERGI SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► HALAT UCU SAPLAMASI WIRE ROPE THREADED STUD



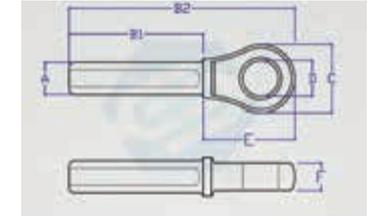
KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	B3 (mm)	M DİŞ (Threaded)
HUS6	6	12	54	108	54	M10
HUS8	8	16	72	144	72	M14
HUS10	10	20	90	180	90	M16
HUS12	12	24	108	216	108	M20
HUS14	14	28	126	252	126	M24
HUS16	16	32	144	288	144	M27
HUS18	18	35	162	324	162	M30
HUS20	20	40	180	360	180	M36
HUS22	22	40	198	396	198	M36
HUS24	24	45	216	432	216	M39
HUS26	26	50	234	468	234	M42
HUS28	28	55	252	504	252	M48
HUS30	30	55	270	540	270	M48
HUS32	32	60	288	576	288	M52
HUS36	36	60	324	648	324	M52

► HALAT UCU ÇATALI WIRE ROPE ENDING FORK



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HUC8	8	16	80	162	42	18	45	22	45
HUC10	10	20	80	162	42	18	45	22	45
HUC12	12	24	100	200	51	22	56	26	54
HUC14	14	28	120	230	54	25	62	28	60
HUC16	16	32	145	265	60	30	70	32	64
HUC18	18	35	145	265	60	30	70	32	64
HUC20	20	40	160	300	70	33	80	40	74
HUC22	22	40	160	300	70	33	80	40	74
HUC24	24	45	210	400	89	42	95	50	99
HUC26	26	50	210	400	89	42	95	50	99
HUC28	28	55	250	450	98	50	120	55	119
HUC30	30	55	270	470	98	50	120	55	119
HUC32	32	60	290	530	122	60	145	65	130
HUC36	36	60	320	560	122	60	145	65	130

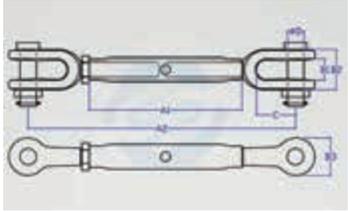
► HALAT UCU MAPASI WIRE ROPE ENDING EYE



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)
HUM8	8	16	82	138	42	22	50	17
HUM10	10	20	82	138	42	22	50	17
HUM12	12	24	98	163	52	26	60	22
HUM14	14	28	130	209	62	32	70	28
HUM16	16	32	130	209	62	32	70	28
HUM18	18	35	162	260	75	37	85	35
HUM20	20	40	162	260	75	37	85	35
HUM22	22	40	162	260	75	37	85	35
HUM24	24	45	200	330	95	45	115	45
HUM26	26	50	200	330	95	45	115	45
HUM28	28	55	250	400	115	55	135	50
HUM30	30	55	250	400	115	55	135	50
HUM32	32	60	300	465	135	65	150	60
HUM36	36	60	300	465	135	65	150	60

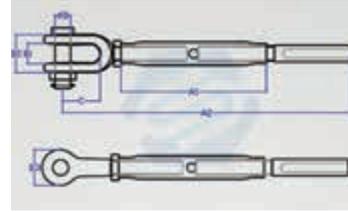
SNL TENSI - MEMBRAN GERGI SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► BORU TİP GERDİRME TURNBUCKLE PIPE TYPE (FORK & FORK)



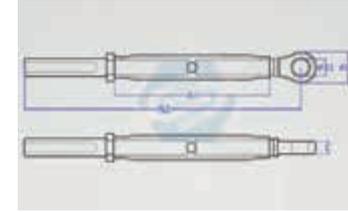
KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	C (mm)	ØD (mm)
C18B	165	310	22	45	42	45	18
C22B	210	375	26	54	51	56	22
C27B	255	450	28	60	54	62	25
C33B	300	520	32	64	60	70	30
C39B	350	580	40	74	70	80	33
C42B	440	750	50	99	89	95	42
C50B	570	920	55	119	98	120	50
C60B	620	1050	65	130	122	145	60
C90B	820	1450	90	160	200	200	90

► SAPLAMA ÇATAL GERDİRME TURNBUCKLE PIPE TYPE (FORK & STUD)



KOD CODE	A (mm)	A2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	C (mm)	ØD (mm)
C18S	165	345	22	45	42	45	18
C22S	210	415	26	54	51	56	22
C27S	255	495	28	60	54	62	25
C33S	300	590	32	64	60	70	30
C39S	350	690	40	74	70	80	33
C42S	440	850	50	99	89	95	42
C50S	570	1060	55	119	98	120	50
C60S	620	1200	65	130	122	145	60

► SAPLAMA MAPA GERDİRME TURNBUCKLE PIPE TYPE (STUD & EYE)



KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	E (mm)
C18M	165	320	22	42	17
C22M	210	390	26	52	22
C27M	255	465	32	62	28
C33M	300	560	37	75	34
C39M	350	650	37	75	34
C42M	440	795	45	95	45
C50M	570	980	55	115	50
C60M	620	1100	65	135	60



ŞENOL MAKİNA



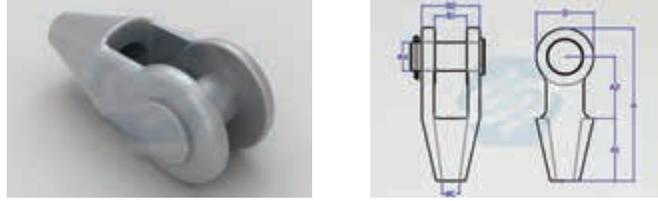


ŞENOL MAKİNA



SNL TENSI - MEMBRAN GERGI SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► **AÇIK TİP SOKET** WIRE SPLICER SOCKET (OPEN TYPE)



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	ØC (mm)	ØD (mm)	D (mm)	TUTYA MİKTARI (cc) WIRELOCK REQUIRED
SOKETA22	20-22	235	102	133	44,5	90	25	41,4	80	120
SOKETA24	24-26	288	128	111	53	101	30	50	104	160
SOKETA28	28-30	306	130	123	57	109	33	55	114	280
SOKETA32	32-36	338	139	130	63	119	40	63	126	350
SOKETA38	38	390	158	162	80	139	43	70	144	420
SOKETA40	40-42	418	175	165	76	142	44	75	147	500
SOKETA44	44-48	475	198	185	92	175	53	88	176	1000
SOKETA50	50-54	555	220	240	110	215	61	95	192	1270
SOKETA55	55-60	598	228	250	113	219	63	108	210	1410
SOKETA64	64-67	654	248	273	127	247	73	120	216	1830
SOKETA69	69-75	696	279	279	133	279	79	127	240	3000
SOKETA76	76-80	737	305	286	146	298	86	133	252	3800
SOKETA81	81-86	788	330	298	159	317	92	140	290	5000
SOKETA87	87-93	852	356	318	171	337	99	152	320	6000
SOKETA94	94-102	914	381	343	191	369	108	178	350	7500
SOKETA108	108-115	1145	450	480	205	405	125	195	400	8000
SOKETA120	120-130	1250	500	500	225	445	143	220	450	9000

► **KAPALI TİP SOKET** WIRE SPLICER SOCKET (CLOSED TYPE)



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	ØC (mm)	E (mm)	TUTYA MİKTARI (cc) WIRELOCK REQUIRED
SOKETK22	20-22	230	105	90	48	93	23	39	120
SOKETK24	24-26	265	120	105	58	108	31	48	160
SOKETK28	28-30	293	135	116	66	118	33	53	280
SOKETK32	32-36	320	140	130	70	132	40	59	350
SOKETK38	38	358	152	155	79	136	41	60	420
SOKETK40	40-42	400	172	171	83	147	46	70	500
SOKETK44	44-48	455	200	200	97	175	54	81	1000
SOKETK50	50-54	502	216	220	110	193	57	82	1270
SOKETK55	55-60	548	228	247	125	216	63	92	1410
SOKETK64	64-67	597	248	265	140	241	73	102	1830
SOKETK69	69-75	644	279	286	159	273	79	124	3000
SOKETK76	76-80	686	305	298	171	292	86	133	3800
SOKETK81	81-86	743	330	311	184	311	92	146	5000
SOKETK87	87-93	788	356	330	197	330	99	159	6000
SOKETK94	94-102	845	381	356	216	362	108	178	7500
SOKETK108	108-115	1000	450	425	235	405	125	190	8000
SOKETK120	120-130	1150	500	525	260	450	138	200	9000

ÇELİK HALATLAR STEEL WIRE ROPES

► SNL WIRE MONOTRON ÇELİK HALATLAR SNL WIRE MONOTRON STEEL WIRE ROPES



1X19

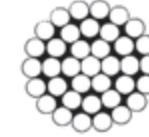


KOD CODE	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)	
			1570 [N/mm ²]	1770 [N/mm ²]
MON2119	2,5	0,03	5,2	5,82
MON3119	3	0,04	7,4	8,4
MON4119	4	0,08	13,2	14,9
MON5119	5	0,12	20,6	23,3
MON6119	6	0,18	29,7	33,5
MON7119	7	0,24	40,5	45,6
MON8119	8	0,31	52,9	59,6
MON9119	9	0,39	66,9	75,4
MON10119	10	0,49	82,6	93,1
MON11119	11	0,59	99,9	113
MON12119	12	0,7	119	134
MON13119	13	0,82	140	157
MON14119	14	0,95	162	182
MON15119	15	1,02	174	196
MON16119	16	1,24	211	238
MON18119	18	1,57	268	302
MON19119	19	1,75	298	336
MON20119	20	1,94	330	372

► SNL WIRE MONOTRON ÇELİK HALATLAR SNL WIRE MONOTRON STEEL WIRE ROPES



1X37



KOD CODE	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)	
			1570 [N/mm ²]	1770 [N/mm ²]
MON5137	5	0,12	20,1	22,7
MON6137	6	0,17	29	32,7
MON7137	7	0,24	39,5	44,5
MON8137	8	0,31	51,5	58,1
MON9137	9	0,39	65,2	73,5
MON10137	10	0,48	80,5	90,8
MON11137	11	0,59	97,4	110
MON12137	12	0,69	116	131
MON13137	13	0,82	136	153
MON14137	14	0,95	158	178
MON16137	16	1,24	206	232
MON18137	18	1,57	261	294
MON19137	19	1,75	291	328
MON20137	20	1,93	322	363
MON22137	22	2,34	390	439
MON24137	24	2,79	464	523
MON26137	26	3,27	544	614
MON28137	28	3,79	631	712



ŞENOL MAKİNA





ŞENOL MAKİNA

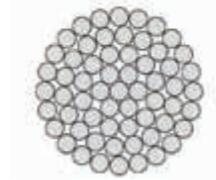


ÇELİK HALATLAR STEEL WIRE ROPES

► **SNL WIRE MONOTRON ÇELİK HALATLAR**
SNL WIRE MONOTRON STEEL WIRE ROPES



1X61

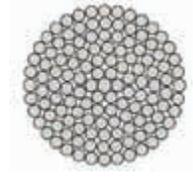


KOD CODE	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)	
			Class 1570	Class 1770
			[kN]	[kN]
MON12161	12	0,7	116	131
MON13161	13	0,82	136	153
MON14161	14	0,95	158	178
MON16161	16	1,24	206	232
MON18161	18	1,56	261	294
MON19161	19	1,74	290	327
MON20161	20	1,93	322	363
MON22161	22	2,34	389	439
MON24161	24	2,78	463	522
MON26161	26	3,27	544	612
MON28161	28	3,79	630	711
MON30161	30	4,35	724	816
MON32161	32	4,95	823	928
MON34161	34	5,6	930	1050
MON35161	35	5,9	985	1111
MON36161	36	6,3	1042	1175
MON38161	38	7	1161	1310
MON40161	40	7,7	1290	1451

► **SNL WIRE MONOTRON ÇELİK HALATLAR**
SNL WIRE MONOTRON STEEL WIRE ROPES



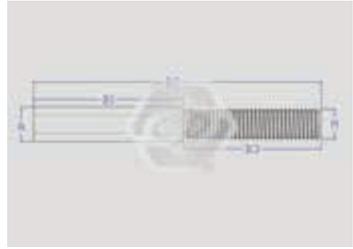
1X127



KOD CODE	ÇAP Diameter (mm)	AĞIRLIK Weight (kg/m)	MİNİMUM KOPMA YÜKÜ (kN) Minimum Breaking Load (kN)	
			Class 1570	Class 1770
			[kN]	[kN]
MON401127	40	7,69	1280	14443
MON421127	42	8,48	1411	1591
MON441127	44	9,31	1549	1746
MON461127	46	10,17	1693	1908
MON481127	48	11,08	1843	2078
MON501127	50	12	2000	2260
MON511127	51	12,5	2090	2350
MON521127	52	13	2170	2440
MON541127	54	14	2340	2640
MON561127	56	15,1	2510	2840

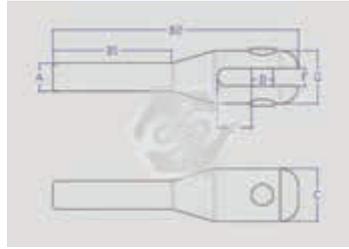
SNL TENSI - MEMBRAN GERGI SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► PASLANMAZ HALAT UCU SAPLAMASI STAINLESS STEEL WIRE ROPE THREADED STUD



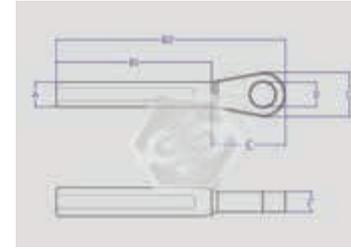
KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	B3 (mm)	M DİŞ (Threaded)
SSHUS06	6	12	54	108	54	M10
SSHUS08	8	16	72	144	72	M14
SSHUS10	10	20	90	180	90	M16
SSHUS12	12	24	108	216	108	M20
SSHUS14	14	28	126	252	126	M24
SSHUS16	16	32	144	288	144	M27
SSHUS18	18	35	162	324	162	M30
SSHUS20	20	40	180	360	180	M36
SSHUS22	22	40	198	396	198	M36
SSHUS24	24	45	216	432	216	M39
SSHUS26	26	50	234	468	234	M42

► PASLANMAZ HALAT UCU ÇATALI STAINLESS STEEL WIRE ROPE ENDING FORK



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
SSHUC08	8	16	62	133	25	12	24	12	30
SSHUC10	10	20	80	161	31	15	29	14	35
SSHUC12	12	24	95	194	37	18	35	17	42
SSHUC14	14	28	110	226	44	22	40	20	50
SSHUC16	16	32	125	254	50	25	47	22	55
SSHUC18	18	35	145	288	58	28	53	28	65
SSHUC20	20	40	160	315	62	30	57	28	70
SSHUC22	22	40	175	337	62	33	60	28	70
SSHUC24	24	45	190	364	70	33	64	28	75
SSHUC26	26	50	205	389	77	36	70	33	85

► PASLANMAZ HALAT UCU MAPASI STAINLESS STEEL WIRE ROPE ENDING EYE



KOD CODE	HALAT ROPE Ø (mm)	A (mm)	B1 (mm)	B2 (mm)	C (mm)	D (mm)	E (mm)	F (mm)
SSHUM08	8	16	62	113	28	13	51	10
SSHUM10	10	20	80	143	35	16	63	12
SSHUM12	12	24	95	170	40	20	75	15
SSHUM14	14	28	110	198	50	23	88	18
SSHUM16	16	32	125	227	55	27	102	20
SSHUM18	18	35	145	262	65	30	117	25
SSHUM20	20	40	160	286	70	32	126	25
SSHUM22	22	40	175	309	70	35	134	25
SSHUM24	24	45	190	329	75	35	139	25
SSHUM26	26	50	205	358	85	38	153	30



ŞENOL MAKİNA



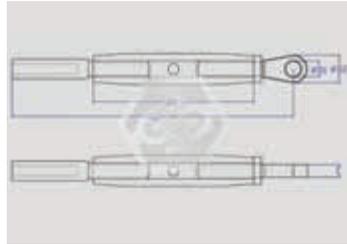


ŞENOL MAKİNA



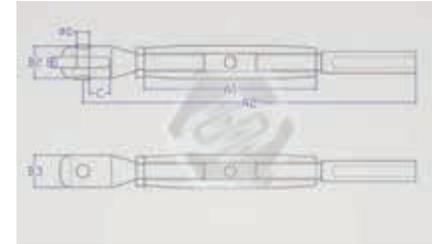
SNL TENSI - MEMBRAN GERGİ SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► **PASLANMAZ SAPLAMA MAPA GERDİRME**
STAINLESS STEEL TURNBUCKLE PIPE TYPE
(STUD & EYE)



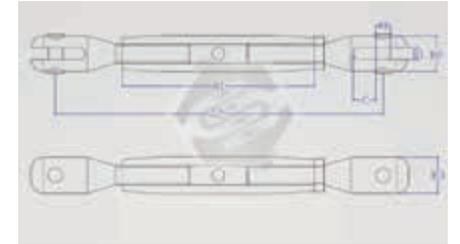
KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	E (mm)
SSC18M	160	310	20	40	15
SSC22M	200	375	23	50	18
SSC27M	250	500	32	70	25
SSC33M	290	582	35	75	25
SSC39M	340	660	38	85	30

► **PASLANMAZ SAPLAMA ÇATAL GERDİRME**
STAINLESS STEEL TURNBUCKLE PIPE TYPE
(FORK & STUD)



KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	C (mm)	ØD (mm)
SSC18S	160	325	17	40	37	35	18
SSC22S	200	400	20	50	44	40	22
SSC27S	250	540	28	70	62	57	30
SSC33S	290	632	28	75	70	64	33
SSC39S	340	755	33	85	77	70	36

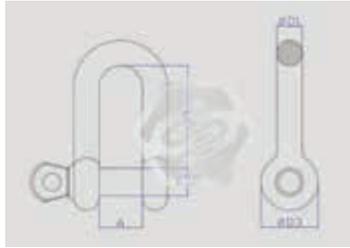
► **PASLANMAZ BORU TİP GERDİRME**
STAINLESS STEEL TURNBUCKLE PIPE TYPE
(FORK & FORK)



KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	C (mm)	ØD (mm)
SSC18B	160	308	17	40	37	35	18
SSC22B	200	372	20	50	44	40	22
SSC27B	250	476	28	70	62	57	30
SSC33B	290	542	28	75	70	64	33
SSC39B	340	608	33	85	77	70	36

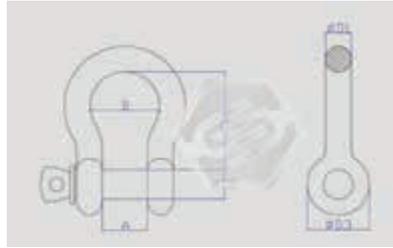
SNL TENSI - MEMBRAN GERGI SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► **PASLANMAZ KİLİT (U TİP)**
STAINLESS STEEL SHACKLE (U TYPE)



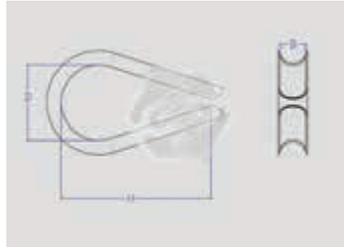
KOD CODE	Ø (mm)	A (mm)	C (mm)	ØD1 (mm)	ØD2 (mm)	ØD3 (mm)
SSZK5U	5	9	17	5	5	10
SSZK6U	6	11	21	6	6	12
SSZK8U	8	15	28	8	8	16
SSZK10U	10	19	35	10	10	20
SSZK12U	12	23	42	11	12	24
SSZK13U	13	25	45	13	13	26
SSZK16U	16	31	55	15	16	31
SSZK19U	19	37	66	18	19	38

► **PASLANMAZ KİLİT (OMEGA TİP)**
STAINLESS STEEL SHACKLE (OMEGA TYPE)



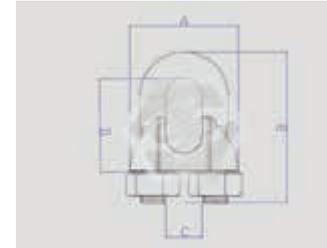
KOD CODE	Ø (mm)	A (mm)	B (mm)	C (mm)	ØD1 (mm)	ØD2 (mm)	ØD3 (mm)
SSZK40	4	8	14	18	4	4	9
SSZK50	5	9	17	23	5	5	11
SSZK60	6	11	21	27	6	6	13
SSZK80	8	15	28	37	8	8	16
SSZK100	10	20	35	46	10	10	20
SSZK120	12	23	42	55	12	12	24

► **PASLANMAZ RADANSA**
STAINLESS STEEL THIMBLE



KOD CODE	Ø (mm)	B (mm)	H (mm)	D (mm)
SSR6	6	6	25	16
SSR8	8	8	32	20
SSR10	10	10	38	24
SSR12	12	12	45	28
SSR16	14-16	16	58	36
SSR20	18-20	20	72	45
SSR22	22	22	80	50
SSR26	24-26	26	99	62

► **PASLANMAZ KLEMENS**
STAINLESS STEEL CLIP



KOD CODE	Ø (mm)	A (mm)	B (mm)	C (mm)	D (mm)
SSK2	2	15	17	4	10
SSK3	3	16	21	5	12
SSK4	4	19	24	6	13
SSK5	5	22	27	7	16
SSK6	6	28	33	8	17
SSK8	8	35	41	10	20
SSK10	10	45	51	12	23
SSK12	12	50	63	14	28
SSK16	16	60	79	18	35



ŞENOL MAKİNA





ŞENOL MAKİNA

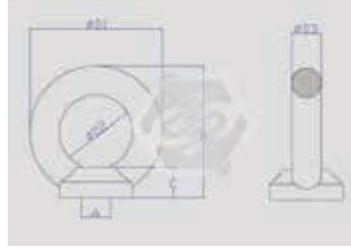


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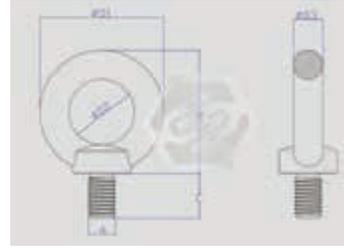
SNL TENSI - MEMBRAN GERĞİ SİSTEMLERİ TENSILE STRUCTURE SYSTEMS

► PASLANMAZ DIŞI AYBOLT
STAINLESS STEEL EYE NUT



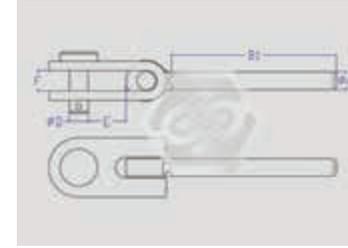
KOD CODE	A (mm)	B (mm)	C (mm)	ØD1 (mm)	ØD2 (mm)	ØD3 (mm)
SSAY6D	6	27	6	27	15	6
SSAY8D	8	36	8	36	20	8
SSAY10D	10	45	10	45	25	10
SSAY12D	12	53	11	54	30	12
SSAY16D	16	62	13	63	35	14
SSAY20D	20	71	15	72	40	16
SSAY24D	24	90	20	90	50	20

► PASLANMAZ ERKEK AYBOLT
STAINLESS STEEL EYE BOLT



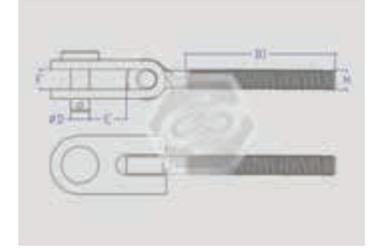
KOD CODE	A (mm)	B (mm)	C (mm)	ØD1 (mm)	ØD2 (mm)	ØD3 (mm)
SSAY6A	6	27	11	27	15	6
SSAY8A	8	36	13	36	20	8
SSAY10A	10	45	17	45	25	10
SSAY12A	12	53	20	54	30	12
SSAY16A	16	62	27	63	35	14
SSAY20A	20	71	30	72	40	16
SSAY24A	24	90	36	90	50	20

► PASLANMAZ MAFSALLI ÇATAL
STAINLESS STEEL TOGGLE FORK



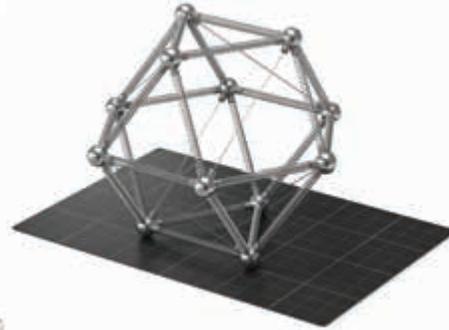
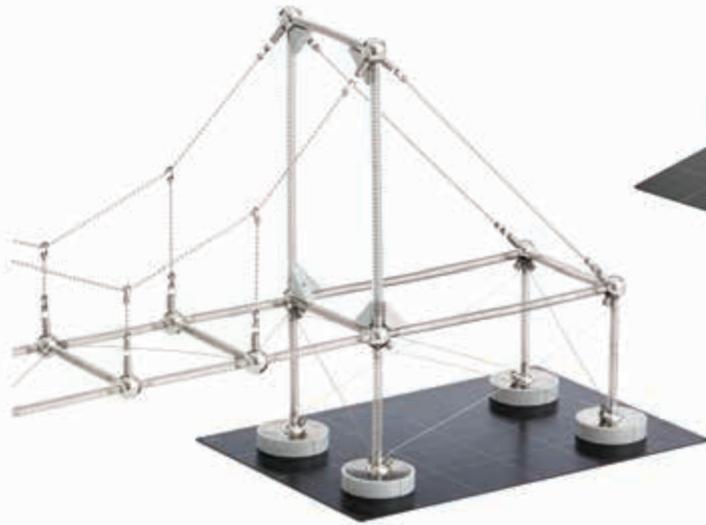
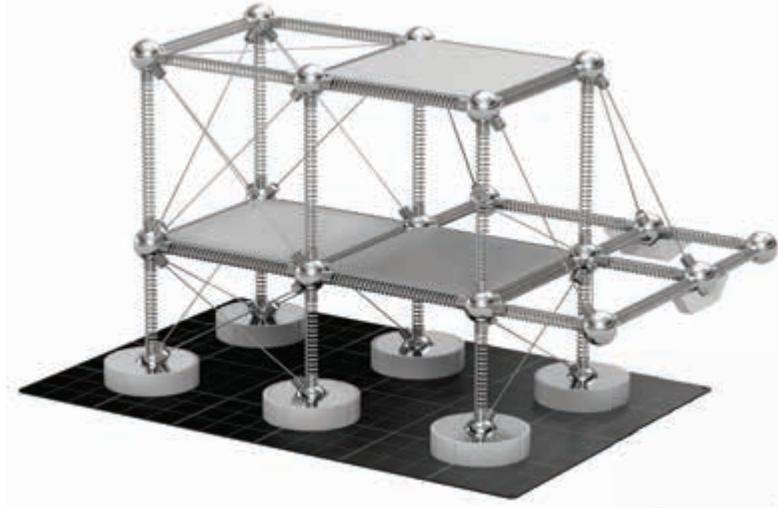
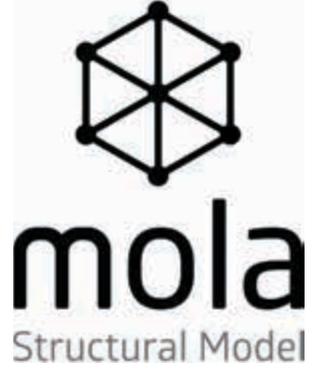
KOD CODE	ØA (mm)	B1 (mm)	ØD (mm)	E (mm)	F (mm)
SSHUMC06	12	55	12	28	13
SSHUMC08	16	72	14	24	12
SSHUMC10	20	90	16	37	18
SSHUMC12	24	108	19	35	17
SSHUMC14	28	126	22	40	20
SSHUMC16	32	144	25	47	22

► PASLANMAZ DIŞI MAFSALLI ÇATAL
STAINLESS STEEL THREADED TOGGLE FORK



KOD CODE	M (Metrik)	B1 (mm)	ØD (mm)	E (mm)	F (mm)
SSDMC06	M12	55	12	28	13
SSDMC08	M16	72	14	24	12
SSDMC10	M20	90	16	37	18
SSDMC12	M24	108	19	35	17
SSDMC14	M27	126	22	40	20
SSDMC16	M30	144	25	47	22

MOLA YAPISAL MODEL MOLA STRUCTURAL MODEL



Mola Model kompakt tasarımı, kolay uygulanabilirliği ile yapılarınızı proje aşamasında deneyimleme imkanı sunuyor.

Mola is a compact, modular tool with magnet-connected parts that lets anyone explore and build real structures hands-on.

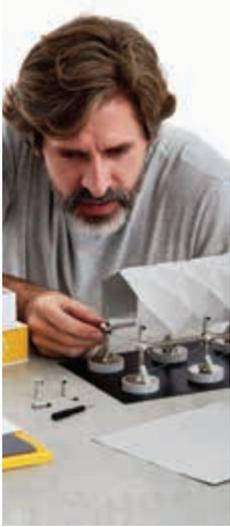


ŞENOL MAKİNA





ŞENOL MAKİNA

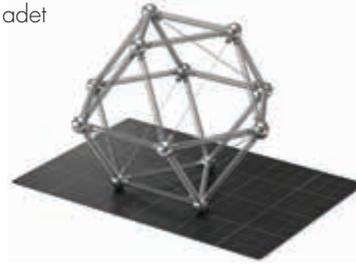


MOLA YAPISAL MODEL MOLA STRUCTURAL MODEL

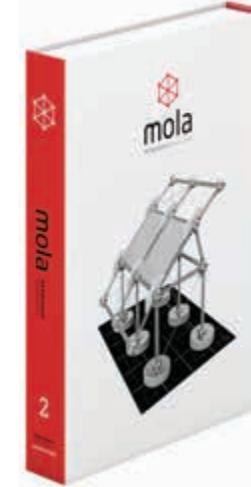
► MOLA KİT 1



Metal Küre: 12 adet
Köşe Desteği: 48 adet
Zemin Bağlantısı: 4 adet
Çubuk B6: 24 adet
Çubuk B12: 6 adet
Çapraz D6x6: 12 adet
Çapraz D6x12: 12 adet
Plaka P6x12: 3 adet
Zemin: 1 adet
Kılavuz: 1 adet



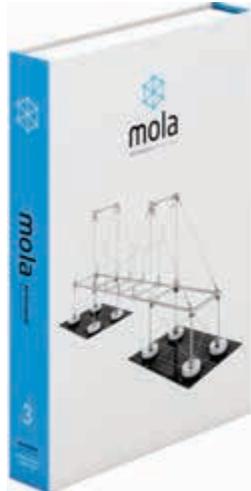
► MOLA KİT 2



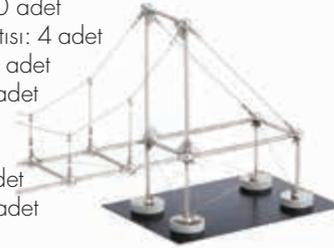
Metal Küre: 18 adet
Köşe Desteği: 12 adet
Devam Desteği: 12 adet
Devam Desteği 90°: 12 adet
Zemin Bağlantısı: 6 adet
Çubuk B4: 18 adet
Çubuk B6: 30 adet
Çapraz D4x6: 24 adet
Çapraz D6x6: 9 adet
Plaka P6x6: 3 adet
Zemin: 1 adet
Kılavuz: 1 adet



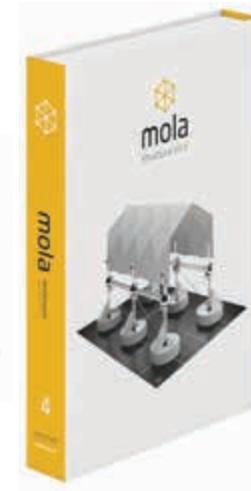
► MOLA KİT 3



Metal Küre: 18 adet
Köşe Desteği: 12 adet
Zemin Bağlantısı: 8 adet
Kablo: 1 adet (3,35 m)
Kablo Bağlantısı: 24 adet
Kablo Klips Bağlantısı: 50 adet
Çoklu Kablo Klips Bağlantısı: 4 adet
Küçük Kablo Halkası: 10 adet
Orta Kablo Halkası: 10 adet
Çubuk B6: 30 adet
Çubuk B12 : 9 adet
Çubuk Takviyesi B6: 3 adet
Çubuk Takviyesi B12: 6 adet
Çapraz D6x6: 9 adet
Çapraz D6x12: 9 adet
Zemin: 2 adet
Kılavuz: 1 adet
Kesme Aracı: 1 adet



► MOLA KİT 4



Metal Küre: 12 adet
Köşe Desteği: 24 adet
Devamlı Bağlantı: 6 adet
Yüzey Bağlantısı: 10 adet
Allen Anahtarı: 1 adet
Zemin Bağlantısı: 8 adet
Çubuk B3: 18 adet
Çubuk B6: 18 adet
Çubuk B12: 3 adet
Kemer A6x6: 6 adet
Çapraz D3x3: 6 adet
Çapraz D3x6: 9 adet
Çapraz D6x6: 9 adet
Kağıt Levha: 14 adet
Zemin: 1 adet
Kılavuz: 1 adet



ŞİMDİ SATIN AL ►►►





ŞENOL MAKİNA



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CE

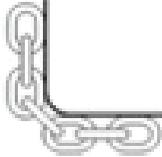
YÜK ZİNCİRLERİ LOAD CHAINS

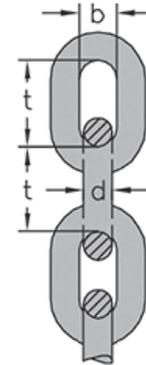
► **GRADE 80 YÜKSEK MUKAVEMETLİ YÜK ZİNCİRLERİ EN818-2** GRADE 80 HIGH TENSILE LIFTING CHAINS EN818-2

KOD CODE	ANMA ÇAPI NOMİNAL CHAIN DIA (mm)	ADIM PITCH	GENİŞLİK WIDTH (mm)	GÜVENLİ ÇALIŞMA YÜKÜ W.L.L. kgs	TEST YÜKÜ TEST LOAD kN	KOPMA YÜKÜ BREAKING LOAD kN	AĞIRLIK WEIGHT kgs/m
	d	t	b				
GR806Z	6	18	8	1120	28,3	45,2	0,8
GR807Z	7	21	10,5	1500	38,5	61,6	1,1
GR808Z	8	24	10,8	2000	50,3	80,4	1,4
GR8010Z	10	30	13,5	3150	78,5	126	2,2
GR8013Z	13	39	17,5	5300	133	212	3,8
GR8016Z	16	48	21,5	8000	201	322	5,7
GR8020Z	20	60	27	12500	314	503	9,0
GR8022Z	22	66	29,5	15000	380	608	10,9
GR8026Z	26	78	35	21200	531	849	15,2
GR8032Z	32	96	41,6	31500	804	1290	23,0

KÖŞELİ KULLANIM

USE OF THE CHAIN ON EDGE

			
	R ZİNCİR ÇAPININ 2 KATINDAN BÜYÜKSE R ≥ THAN DOUBLE CHAIN DIAMETER	R ZİNCİR ÇAPINDAN BÜYÜKSE R ≥ THAN THE CHAIN DIAMETER	KESKİN KÖŞE SHARP EDGE
KESİNTİ KATSAYISI REDUCTION FACTOR	1	0,7	0,5
ŞOK YÜKÜ IMPULSIVE LOAD	ZAYIF LIGHT IMPULSIVE	ORTA MEDIUM IMPULSIVE	GÜÇLÜ STRONG IMPULSIVE
KESİNTİ KATSAYISI REDUCTION FACTOR	1	0,7	İZİN VERİLMEZ NOT ALLOWED





ŞENOL MAKİNA

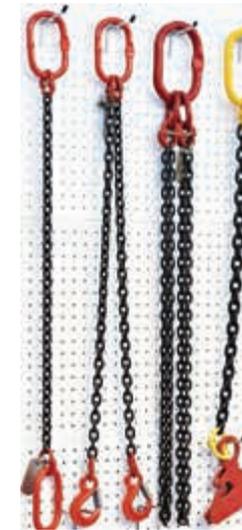
YÜK ZİNCİRLERİ LOAD CHAINS

► **GRADE 80 YÜKSEK MUKAVEMETLİ YÜK ZİNCİRLERİ EN818-2** GRADE 80 HIGH TENSILE LIFTING CHAINS EN818-2

TEK KOL SINGLE LEG Kg	ÇİFT KOL DOUBLE LEGS Kg	3-4 KOLLU 3-4-LEGS Kg	BOĞDURMA SONSUZ CHOKER ENDLESS Kg	SONSUZ SAPAN ENDLESS SLING Kg

ÇALIŞMA KATSAYISI CHARGE FACTOR

ZİNCİR ÖLÇÜSÜ CHAIN mm	1	1.4 $0^\circ < \beta \leq 45^\circ$	1 $45^\circ < \beta \leq 60^\circ$	2.1 $0^\circ < \beta \leq 45^\circ$	1.5 $45^\circ < \beta \leq 60^\circ$	1.6	1.4 $0^\circ < \beta \leq 45^\circ$	2.1 $0^\circ < \beta \leq 45^\circ$
6	1120	1600	1120	2360	1700	1800	1600	2360
7	1500	2120	1500	3150	2240	2500	2120	3150
8	2000	2800	2000	4250	3000	3150	2800	4250
10	3150	4250	3150	6700	4750	5000	4250	6700
13	5300	7500	5300	11200	8000	8500	7500	11200
16	8000	11200	8000	17000	11800	12500	11200	17000
20	12500	17000	12500	26500	1900	20000	17000	26500
22	15000	21200	15000	31500	22400	23600	21200	31500
26	21200	30000	21200	45000	31500	33500	30000	45000
32	31500	45000	31500	67000	47500	50000	45000	67000





ŞENOL MAKİNA



YÜK ZİNCİRLERİ LOAD CHAINS

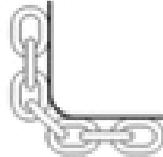
► **GRADE 100 YÜKSEK MUKAVEMETLİ YÜK ZİNCİRLERİ EN818-2** GRADE 100 HIGH TENSILE LIFTING CHAINS EN818-2

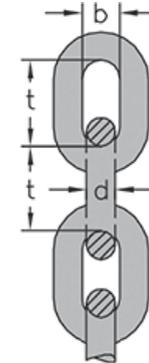
KOD CODE	ANMA ÇAPI NOMINAL CHAIN DIA (mm)	ADIM PITCH	GENİŞLİK WIDTH (mm)	GÜVENLİ ÇALIŞMA YÜKÜ W.L.L. kgs	TEST YÜKÜ TEST LOAD kN	KOPMA YÜKÜ BREAKING LOAD kN	AĞIRLIK WEIGHT kgs/m
	d	t	b				
GR1006Z	6	18	8,5	1400	35,3	56,5	0,9
GR1007Z	7	21	9,1	1900	48,1	77	1,2
GR1008Z	8	24	11	2500	62,8	101	1,6
GR10010Z	10	30	13,5	4000	98,2	157	2,5
GR10013Z	13	39	16,9	6700	166	265	4,2
GR10016Z	16	48	20,8	10000	251	402	6,2
GR10020Z	20	60	26	16000	393	628	10
GR10022Z	22	66	28,6	19000	475	760	11,9
GR10026Z	26	78	33,8	26500	664	1060	16,3



KÖŞELİ KULLANIM

USE OF THE CHAIN ON EDGE

			
	R ZİNCİR ÇAPININ 2 KATINDAN BÜYÜKSE R ≥ THAN DOUBLE CHAIN DIAMETER	R ZİNCİR ÇAPINDAN BÜYÜKSE R ≥ THAN THE CHAIN DIAMETER	KESKİN KÖŞE SHARP EDGE
KESİNTİ KATSAYISI REDUCTION FACTOR	1	0,7	0,5
ŞOK YÜKÜ IMPULSIVE LOAD	ZAYIF LIGHT IMPULSIVE	ORTA MEDIUM IMPULSIVE	GÜÇLÜ STRONG IMPULSIVE
KESİNTİ KATSAYISI REDUCTION FACTOR	1	0,7	İZİN VERİLMEZ NOT ALLOWED





ŞENOL MAKİNA

YÜK ZİNCİRLERİ LOAD CHAINS

► **GRADE 100 YÜKSEK MUKAVEMETLİ YÜK ZİNCİRLERİ EN818-2** GRADE 100 HIGH TENSILE LIFTING CHAINS EN818-2

TEK KOL SINGLE LEG Kg	ÇİFT KOL DOUBLE LEGS Kg	3-4 KOLLU 3-4-LEGS Kg	BOĞDURMA SONSUZ CHOKER ENDLESS Kg	SONSUZ SAPAN ENDLESS SLING Kg

ÇALIŞMA KATSAYISI CHARGE FACTOR

ZİNCİR ÖLÇÜSÜ CHAIN mm	1	1.4 0°<β≤45°	1 45°<β≤60°	2.1 0°<β≤45°	1.5 45°<β≤60°	1.6	1.4 0°<β≤45°	2.1 0°<β≤45°
6	1400	2000	1400	3000	2120	2240	2000	3000
7	1900	2650	1900	4000	2800	3000	2650	4000
8	2500	3550	2500	5300	3750	4000	3550	5300
10	4000	5600	4000	8000	6000	6300	5600	8000
13	6700	9500	6700	14000	10000	10600	9500	14000
16	10000	14000	10000	21200	15000	16000	14000	21200
20	16000	22400	16000	33600	24000	25600	22400	33600
22	19000	26500	19000	40000	28000	30000	26500	40000
26	26500	37100	26500	55650	39750	42400	37100	55650
32	40000	56000	40000	85000	60000	64000	56000	85000



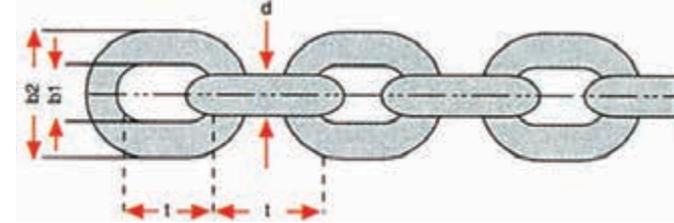


ŞENOL MAKİNA



YÜK ZİNCİRLERİ LOAD CHAINS

► **KISA BAKLALI KALİBRE ZİNCİRLER DIN766 (KONVEYÖR VE ELEVATÖRLER İÇİN)**
SHORT LINK CALIBRATED CHAINS DIN 766 (FOR CONVEYORS AND ELEVATORS)



KOD CODE	ANMA ÇAPI NOMINAL CHAIN DIA		ADIM PITCH		GENİŞLİK WIDTH (mm)		METRE AĞIRLIĞI METER WEIGHT kg/m	ÇALIŞMA YÜKÜ WORKING LOAD kg	TEST YÜKÜ PROOF LOAD kg/max	KOPMA YÜKÜ BREAKING LOAD kg/min
	d(mm)	Tolerans	t (mm)	Tolerans	b1(min)	b2(max)				
DIN7665Z	5	± 0,2	18,5	+ 0,4 - 0,2	6	17	0,5	320	8	12,5
DIN7666Z	6	± 0,2	18,5	+ 0,4 - 0,2	7,2	20,4	0,8	400	10	16
DIN7667Z	7	± 0,3	22	+ 0,4 - 0,2	8,4	23,8	1,1	630	16	25
DIN7668Z	8	± 0,3	24	+ 0,4 - 0,2	9,6	27,2	1,4	800	20	32
DIN7669Z	9	± 0,4	27	+ 0,5 - 0,3	10,8	30,6	1,8	1000	25	40
DIN76610Z	10	± 0,4	28	+ 0,5 - 0,3	12	36	2,3	1250	32	50
DIN76611Z	11	± 0,4	31	+ 0,5 - 0,3	13,2	40	2,7	1600	40	63
DIN76612Z	12	± 0,4	36	+ 0,5 - 0,3	15	43	3,1	1750	44	70
DIN76613Z	13	± 0,5	36	+ 0,6 - 0,3	15,6	47	3,9	2000	50	80
DIN76614Z	14	± 0,6	41	+ 0,7 - 0,4	16,8	50	4,4	2500	63	100
DIN76616Z	16	± 0,6	45	+ 0,8 - 0,4	19,2	58	5,8	3200	80	125
DIN76618Z	18	± 0,9	50	+ 0,8 - 0,4	21,6	65	7,4	4000	100	160
DIN76620Z	20	± 1	56	+ 1 - 0,5	24	72	9	5000	125	200
DIN76623Z	23	± 1,2	64	+ 1,1 - 0,5	27,6	83	12	6300	160	250
DIN76626Z	26	± 1,3	73	+ 1,2 - 0,6	31,2	94	15	8000	200	320

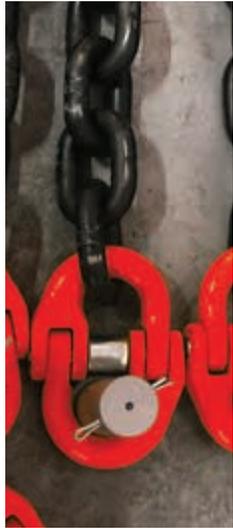


ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI

CONNECTION ACCESSORIES



ŞENOL MAKİNA



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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

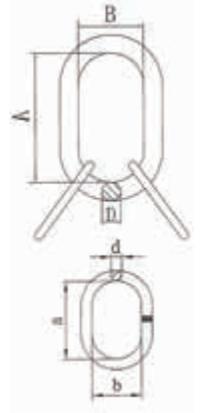
► G 80 SAPAN HALKASI GRADE 80 MASTER LINK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	D (mm)
SH12	2.8	0.36	127	63.5	13
SH16	3.15	0.7	152	76	16
SH20	4.25	0.93	140	70	19
SH22	5.3	1.5	160	90	22
SH26	11.2	2.1	178	89	25
SH32	16	4.24	222	111	32
SH38	21.2	7.17	267	135	38
SH45	31.5	17.2	355	178	51
SH50	45	24.5	406	203	57



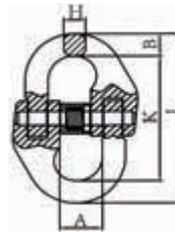
► G 80 YAVRULU SAPAN HALKASI GRADE 80 ASSEMBLY MASTER LINK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)
YSH20	4.25	1.55	140	70	20	85	40	14
YSH26	6.7	3.29	178	89	25	100	60	18
YSH32	17	7.18	220	110	32	100	60	22
YSH38	23.6	12.91	267	135	38	180	100	30
YSH45	31.5	21.25	305	152	45	180	100	32
YSH50	45	64.4	406	203	64	355	178	50



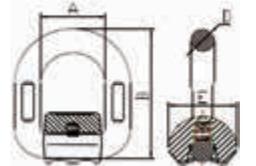
► G 80 BAĞLANTI HALKASI AVRUPA TİPİ GRADE 80 CONNECTION LINK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	ÖLÇÜ SIZE (mm)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	L (mm)	K (mm)	H (mm)
BH8	2	7-8	0.15	20.5	9.5	79.5	60.5	8.5
BH10	3.15	10	0.30	26	12	90.5	68	11.5
BH13	5.3	13	0.65	30	15	117	87	15
BH16	8	16	1.15	35	19.8	148	108.4	19.8
BH20	12.5	20	2.1	41	24	169.5	121.5	24
BH22	15	22	2.87	49.5	26	193.5	141.5	26
BH26	21.2	26	4.5	57.5	31	220	158	30
BH32	31.5	32	8.21	67.5	38	281	205	37



► D HALKA GRADE 80 D RING

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	D (mm)	E (mm)
DH1	1.12	0.47	41	78.5	13	38
DH2	2	0.51	42	88	14	40
DH3	3.15	0.69	46	94	17	43
DH5	5.3	1.46	55	118	22	61
DH8	8	2.52	70	141	26.5	70.5





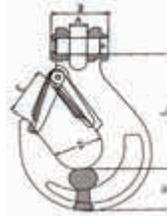
ŞENOL MAKİNA

ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI

CONNECTION ACCESSORIES

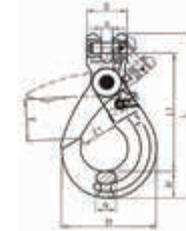
► G 80 SUSTALI ZİNCİR SAPAN KANCASI GRADE 80 S CLEVIS SLING HOOK WITH LATCH

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	ÖLÇÜ SIZE (mm)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	D (mm)	H (mm)	L (mm)	E (mm)
SSK8	2	7-8	0.48	9.5	37	37	25	86.4	29
SSK10	3.15	10	0.95	12.5	49	46	31	104	39
SSK13	5.3	13	1.8	16.5	56.5	56	42.5	128	47.5
SSK16	8	16	3.4	21.5	70.5	60	54	150	56
SSK20	12.5	20	6	24	77	79	58	180	59
SSK22	15	22	10.4	26	91	101	62	213	72



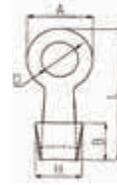
► G80 KİLİTLİ ZİNCİR SAPAN KANCASI GRADE 80 CLEVIS SELF LOCKING SLING HOOK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	ÖLÇÜ SIZE (mm)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	E (mm)	E1 (mm)	L1 (mm)	L (mm)	H (mm)	N (mm)	M (mm)
KSK8	2	8	0.8	9.5	38.5	40	35	119	162	26	20	91
KSK10	3.15	10	1.38	12.5	46	48	45	142	195	30	26	108
KSK13	5.3	13	2.81	15	59	57	52.5	179	248	40	33	142
KSK16	8	16	6	18.5	77	65	63	225	310	50.5	38	168.6
KSK20	12.5	20	7.25	24	81	82	82	238	335	55	50	185
KSK22	15	22	12.8	25	97.5	80	76	277	392	67	52	202



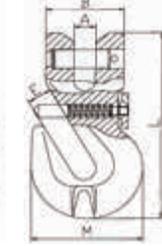
► DÖVME SAC KANCASI FORGED HOOK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	D (mm)	H (mm)	L (mm)
DK5	5	9.18	139	53	75	112.5	337.5
DK10	10	21.8	205	125.5	115	146	435



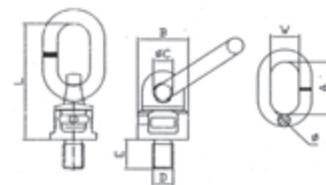
► G80 KİLİTLİ BOĞDURMA KISALTMA KANCASI GRADE 80 CLEVIS CHAIN CLUTCH

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	ÖLÇÜ SIZE (mm)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	E (mm)	M (mm)	L (mm)
KBK8	2	8	0.33	9.5	35	11	50	89
KBK10	3.15	10	0.88	12.5	45.5	13	72	126.5
KBK13	5.3	13	1.85	15	53	16.5	96	163.5
KBK16	8	16	3.24	18.5	69.5	19	112.5	183.5



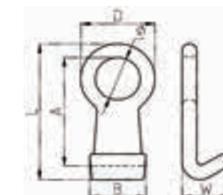
► G80 FIRDÖNDÜLÜ AYBOLT GRADE 80 SWIVEL MULTI DIRECT

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton),90°	ÖLÇÜ SIZE (mm)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	øC (mm)	DxE (mm)	L (mm)	W (mm)	Ø (mm)
FA10	0.5	M10	0.45	55	36	16.5	M10x18	97	30	14
FA12	0.5	M12	0.46	55	36	16.5	M12x18	97	30	14
FA16	1.12	M16	0.49	55	36	16.5	M16x30	97	30	14
FA20	2	M20	0.99	70	49.5	19	M20x30	125	35	16
FA24	3.15	M24	1.33	85	57	22	M24x30	150	40	18
FA27	3.15	M27	1.47	85	57	22	M27x35	150	40	20
FA30	5.3	M30	2.30	85	66	23.5	M30x35	166	40	20
FA36	8	M36	3.88	115	80	28	M36x50	203	50	22



► G80 VARİL KALDIRMA KANCASI GRADE 80 BARREL HOOK

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	BİRİM AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	Ø (mm)	D (mm)	L (mm)	W (mm)
VK1	1	0.57	96	60	38	64.5	118	60





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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

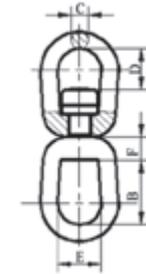
► KUŞGÖZ KANCA 320 EYE HOOK 320

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	H (mm)	I (mm)	AĞIRLIK WEIGHT (Kg/ad)	TEST YÜKÜ TEST LOAD (TON)
GK1,12	1.12	32	24	32	19	86	18	21	0.38	2.2
GK1,5	1.5	35	25	39	23	96	19	23.5	0.53	3
GK2,5	2.5	38.5	27	42	29	106	24	28	0.82	5
GK3,15	3.15	43	32	51	31.5	120	27	33	1.38	6.6
GK5,3	5.3	51	36	53	39	147	35	38	2.2	10.8
GK8	8	63.5	47	65	50.5	188	45	49	4.32	16
GK11,2	11.2	77	60	80	62	232	52	62	7.74	22.4
GK16	16	84	69	83	71	258	59	72	11.85	32
GK21,2	21.2	127	85	100	80	291	65	85	20	42.4
GK25	25	135	100	115	85	321	75	92	24	50
GK30	30	145	110	130	90	348	85	102	30	60



► FIRDÖNDÜLÜ KANCA 322 SWIVEL HOOK 322

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	B (mm)	C (mm)	D (mm)	E (mm)	S (mm)	AĞIRLIK WEIGHT (Kg/ad)	TEST YÜKÜ TEST LOAD (TON)
KF2,5	2.5	63	17	41	41	37	1.35	5
KF3,2	3.2	73	21	49	50	42	2	6.4
KF5,4	5.4	81	23	53	65	51	3.60	10.8
KF8	8	92	26	60	60	64	6	16
KF11,5	11.5	114	34	70	79	78	11	23
KF16	16	126	36	67	97	85	17	32
KF22	22	160	42	95	120	106	38	44
KF30	30	165	50	91	128	110	54	60



► GÖZLÜ FIRDÖNDÜ 701 EYE SWIVEL HOOK 701

KOD CODE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	AĞIRLIK WEIGHT (Kg/ad)	TEST YÜKÜ TEST LOAD (TON)
GF2,5	2.5	60	17	38	40	20	1.4	5
GF3,2	3.2	73	21	49	51	27	2.3	6.4
GF5,4	5.4	81	25	53	65	27	3.6	10.8
GF8	8	92	29	60	60	33	5.5	16
GF11,5	11.5	105	35	70	79	45	9.8	23
GF16	16	115	36	67	97	42	14.2	32
GF22	22	155	42	95	120	48	22.5	44
GF30	30	165	52	103	128	55	34.7	60

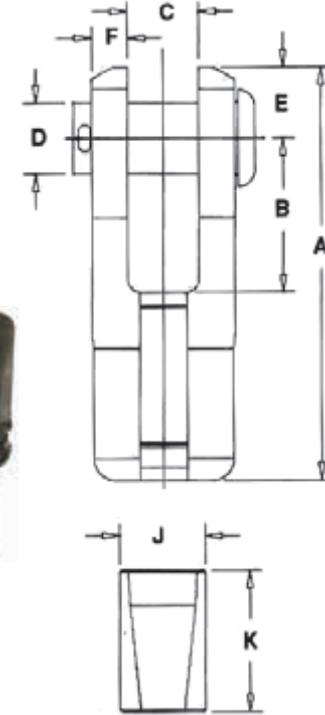


ŞENOL MAKİNA

ÖZEL SONLANDIRMA EKİPMANLARI SPECIAL ENDING SOCKETS

► ÖZEL BASKILI SOKET SPECIAL SWAGED BUTTON SOCKETS

KOD CODE	HALAT ÇAPI Wire Dia. (mm)	AĞIRLIK Weight (kg)	A	B	C	D	E	F	J	K
LBHUC1316	13-16	2,76	183	67	32,5	30,2	31	15,7	38,1	63,5
LBHUC1719	17-19	4,67	217	79	38,8	35,1	36,6	19	44,5	76,2
LBHUC2023	20-23	7,75	254	92	45,2	41,1	43	22,4	52,3	89
LBHUC2426	24-26	13,24	298	111	51,6	51	51	26,2	61,9	102
LBHUC2732	27-32	20,86	351	127	64,3	57,2	63,5	28,2	74,7	127
LBHUC3338	33-38	35,38	424	152	77	69,9	79,2	32,3	92	152



► ÖZEL İLAÇ DÖKÜMLÜ SOKET SPECIAL BUTTON SOCKETS

KOD CODE	HALAT ÇAPI Wire Dia. (mm)	SOKET BOYU Socket Length (mm)	SOKET ÇAPI Socket Dia. (mm)	KULLANILAN WIRELOCK MİKTARI Wirelock Require (cc)
LBSTP1315	13-15	88	33	100
LBSTP1618	16-18	101	42	100
LBSTP1922	19-22	126	46	100
LBSTP2326	23-26	177	53	250
LBSTP2729	27-29	223	62	250
LBSTP3032	30-32	246	65	250



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ŞENOL MAKİNA



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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

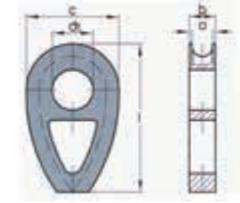
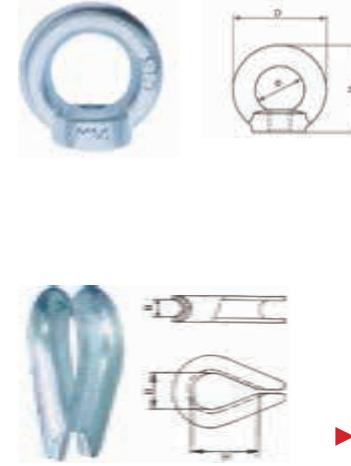
► AYBOLT DIN 580 (ERKEK) EYE BOLT DIN 580

KOD CODE	ÖLÇÜ SIZE (mm)	D (mm)	Q (mm)	H (mm)	L (mm)
AY8	M8	36	20	36	13
AY10	M10	45	25	45	16
AY12	M12	54	30	53	20
AY14	M14	63	35	62	-
AY16	M16	63	35	62	26
AY18	M18	72	40	71	-
AY20	M20	72	40	71	30
AY22	M22	81	45	80.5	-
AY24	M24	90	50	90	36
AY27	M27	96	53	97	-
AY30	M30	108	60	109	42
AY36	M36	126	70	128	-
AY42	M42	144	80	147	-
AY48	M48	166	90	168	-



► AYBOLT DIN 582 (DIŞİ) EYE NUT DIN 582

KOD CODE	ÖLÇÜ SIZE (mm)	D (mm)	Q (mm)	H (mm)
AY6	M6	36	20	36
AY8	M8	36	20	36
AY10	M10	45	25	45
AY12	M12	54	30	53
AY14	M14	63	35	62
AY16	M16	63	35	62
AY18	M18	72	40	71
AY20	M20	72	40	71
AY22	M22	81	45	80.5
AY24	M24	90	50	90
AY27	M27	96	53	97
AY30	M30	108	60	109
AY36	M36	126	70	128
AY42	M42	144	80	147
AY48	M48	166	90	168

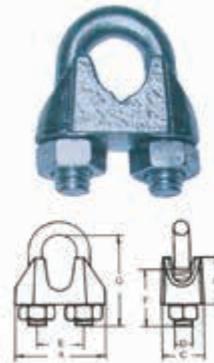


► DOLU RADANSA DIN 3091 SOLID THIMBLE DIN 3091

KOD CODE	HALAT ÇAPI ROPE DIA (mm)	A (mm)	B (mm)	D1 (mm)	MAX D1 (mm)	C (mm)	L (mm)	BİRİM AĞIRLIĞI (kg)
DR8	8	9	15	14	20	40	66	0.181
DR10	10	11	17.5	18	25	50	82	0.318
DR12	12	13	20	21	30	60	98	0.515
DR14	14	16	23.5	25	35	70	114	0.799
DR16	16	18	26	28	40	80	130	0.895
DR18	18	20	28.5	31	45	90	145	1.211
DR20	20	22	31	35	50	100	161	1.61
DR22	22	24	33.5	38	55	11	177	2.11
DR24	24	26	36	41	60	120	193	2.71
DR26	26	29	39.5	44	65	130	209	3.55
DR28	28	31	42	47	70	140	224	4.2
DR32	32	35	47	53	80	160	256	6.3
DR36	36	40	53	59	90	180	288	8.84
DR40	40	44	58	65	100	200	320	11.0
DR44	44	48	63	70	110	220	354	15.0
DR48	48	53	69	76	120	240	389	20.0
DR52	52	57	74	81	130	260	416	25.0
DR56	56	62	80	86	140	280	448	32.0
DR64	64	70	90	95	160	320	512	46.0
DR72	72	79	101	104	180	360	576	66.0
DR80	80	88	112	112	200	400	640	90.0

► ÇELİK HALAT KLEMENSİ DIN 741 WIRE ROPE CLIPS DIN 741

KOD CODE	ÖLÇÜ SIZE (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
741K3	3	21	10	10	4	9	12	16.60
741K5	5	23	10	11	5	11	13	19.95
741K6.5	6.5	26	11	12	5	13	15	23.65
741K8	8	30	15	14	6	16	19	28.85
741K10	10	34	17	18	8	19	22	35.00
741K12	12	36	18	19	8	20	22	37.00
741K13	13	40	21	23	10	24	30	46.24
741K15	15	44	22	23	10	25	30	48.24
741K16	16	50	26	26	12	29	33	52.50
741K20	20	54	30	29	12	32	38	64.50
741K22	22	61	34	33	14	37	44	72.50
741K25	25	65	37	35	14	41	45	82.50
741K28	28	74	43	37	16	48	50	95.60
741K32	32	80	50	42	16	52	55	105.60
741K40	40	88	55	45	16	58	60	125.60



► RADANSA DIN 6899 THIMBLE DIN 6899

KOD CODE	ÖLÇÜ SIZE (mm)	B (mm)	H (mm)	D (mm)
R6	6	6	25	16
R8	8	8	32	20
R10	10	10	38	24
R12	12	12	45	28
R14	14	14	51	32
R16	16	16	58	36
R18	18	18	64	40
R20	20	20	72	45
R22	22	22	80	50
R26	26	26	99	62
R28	28	28	112	70
R32	32	32	128	80
R36	36	36	160	100
R40	40	40	184	115
R45	45	45	240	150
R50	50	50	245	160
R56	60	60	260	170
R64	65	65	300	180
R80	75	75	330	200

ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES



ŞENOL MAKİNA

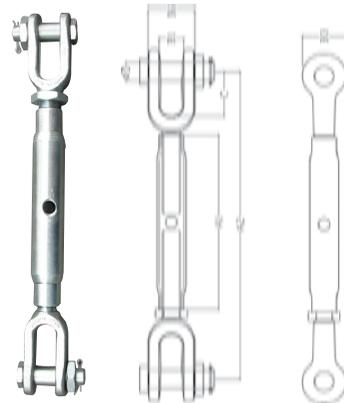
► AMERİKAN TİP GERDİRME ÇATAL&ÇATAL - ÇATAL&GÖZ TURNBUCKLE AMERICAN TYPE JAW&JAW - JAW&EYE

KOD CODE	ÖLÇÜ x GÖVDE BOYU SIZE x BODY LENGHT (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L1 (mm)	L2 (mm)	R (mm)	S (mm)	ÇALIŞMA YÜKÜ W.L.L. (Ton)
AG12/6	1/2x6	190	152	147	9.6	27	16	294	312	37	18	1
AG12/9	1/2x9	266	228	187	9.6	27	16	370	388	37	18	1
AG16/9	5/8x9	276	228	201	12	33	19	405	425	22	99	1.59
AG16/12	5/8x12	352	304	236	12	33	19	481	501	22	99	1.59
AG20/9	3/4x9	287	228	213	16	38	23	435	462	25	119	2.36
AG20/12	3/4x12	363	304	248	16	38	23	511	538	25	119	2.36
AG22/12	7/8x12	372	304	266	19	44	28	545	567	32	130	3.27
AG26/12	1x12	381	304	286	22	52	30	580	618	37	162	4.54
AG26/18	1x18	533	457	366	22	52	30	732	771	37	162	4.54
AG32/18	1 1/4x18	540	457	380	26	71	44	760	834	46	196	6.89
AG32/24	1 1/4x24	692	610	479	26	71	44	958	986	46	196	6.89
AG38/18	1 1/2x18	550	457	430	35	71	52	860	876	54	219	9.71
AG38/24	1 1/2x24	703	610	496	35	71	52	992	1029	54	219	9.71
AG45/24	1 3/4x24	720	610	500	44.5	86	60	1000	1102	60	254	12.70
AG50/24	2x24	735	610	540	50.5	95	63	1090	1235	68	332	16.78
AG64/24	2 1/2x24	800	610	580	64	113	73	1180	1180	79	350	27.22

Malzeme: Dövme Çelik Material: Forged Steel

► BORULU LİFTİN RIGGING SCREW

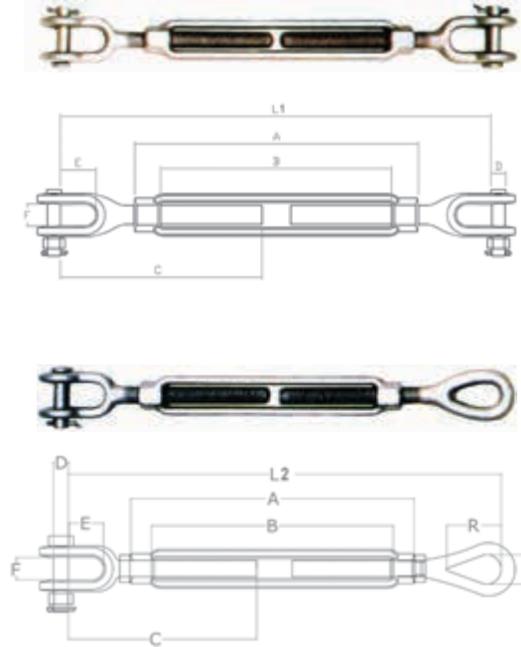
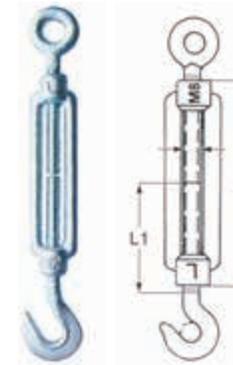
KOD CODE	A1 (mm)	A2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	C (mm)	ØD (mm)
Ç18B	165	310	22	45	42	45	18
Ç22B	210	375	26	54	51	56	22
Ç27B	255	450	28	60	54	62	25
Ç33B	300	520	32	64	60	70	30
Ç39B	350	580	40	74	70	80	33
Ç42B	440	750	50	99	89	95	42
Ç50B	570	920	55	119	98	120	50
Ç60B	620	1050	65	130	122	145	60
Ç90B	820	1450	90	160	200	200	90



Malzeme: Dövme Çelik Material: Forged Steel

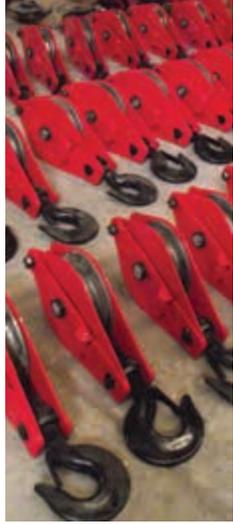
► GERDİRME TURNBUCKLE

KOD CODE	ÖLÇÜ SIZE (mm)	L (mm)	L1 (mm)	M DİŞ (Threaded)
Ç6	6	100	48	M6
Ç8	8	125	58	M8
Ç10	10	150	70	M10
Ç12	12	200	95	M12
Ç16	16	250	120	M16
Ç18	18	280	130	M18
Ç20	20	280	130	M20
Ç22	22	330	165	M22
Ç24	24	350	190	M24





ŞENOL MAKİNA

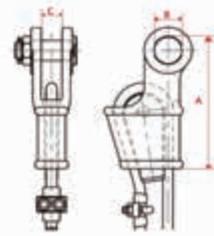


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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

► KAMALI HALAT SOKETİ WEDGE SOCKET

KOD CODE	ÖLÇÜ SIZE (inch)	HALAT ÇAPI ROPE DIA (mm)	AĞIRLIK WEIGHT (kg)	A (mm)	B (mm)	C (mm)
KHS11-13	1/2	10-12	2.79	173	25	25
KHS14-16	5/8	14-16	4.40	190	30	32
KHS18-19	3/4	18-20	6.58	248	35	38
KHS20-22	7/8	22	9.75	283	40	44.5
KHS24-26	1	24-26	13.9	324	45	51
KHS28	1 1/8	28	20.5	365	50	57
KHS30-32	1 1/4	30-32	26.1	406	55	63.5
KHS34-36	1 3/8	34-36	37.0	432	60	68



► KARABİNA DIN 5299 SNAP HOOK DIN 5299

KOD CODE	ÖLÇÜ SIZE (mm)	L (mm)	D (mm)	C (mm)
DK4	4	40	7	7
DK5	5	50	8	7
DK6	6	60	9	8
DK8	8	80	12	9
DK10	10	100	15	11
DK11	11	120	18	16
DK12	12	140	20	19
DK14	14	180	22	35



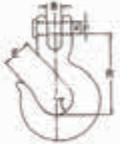
► ZİNCİR KANCASI CHAIN GRAB HOOK

KOD CODE	ÖLÇÜ SIZE (Inch)	ÖLÇÜ SIZE (mm)	ÇALIŞMA YÜKÜ W.L.L. (LBS) H-330	ÇALIŞMA YÜKÜ W.L.L. (LBS) A-330	B (mm)	E (mm)	P (mm)	R (mm)
ZKA6	1/4	6	2600	3600	9.14	10.16	9.65	50.04
ZKA8	5/16	8	3900	5400	10.16	11.18	11.18	57.40
ZKA10	3/8	10	5400	7500	12.19	12.70	11.94	66.80
ZKA12	1/2	12	9200	12750	19.05	16.76	16.00	81.03



► SAPAN KANCASI CHAIN SLING HOOK

KOD CODE	ÖLÇÜ SIZE (Inch)	ÖLÇÜ SIZE (mm)	ÇALIŞMA YÜKÜ W.L.L. (LBS) H-330	ÇALIŞMA YÜKÜ W.L.L. (LBS) A-330	B (mm)	E (mm)	P (mm)	R (mm)
SKA6	1/4	6	2600	3600	9.14	10.16	9.65	50.04
SKA8	5/16	8	3900	5400	10.16	11.18	11.18	57.40
SKA10	3/8	10	5400	7500	12.19	12.70	11.94	66.80
SKA12	1/2	12	9200	12750	19.05	16.76	16.00	81.03

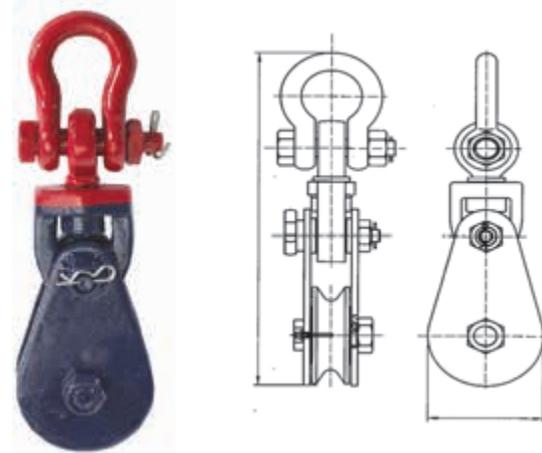
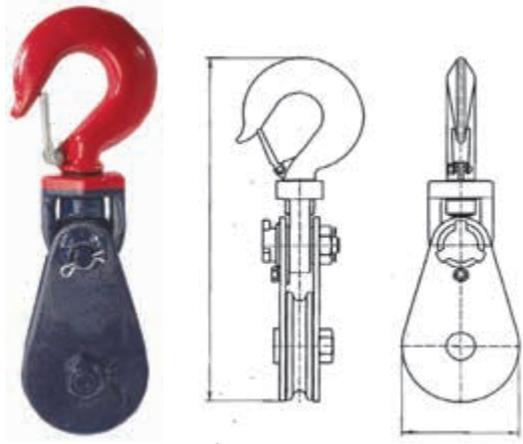


► HALAT ÇAPINA GÖRE KULLANILACAK TUTUYA MİKTARI WIRELOCK REQUIRED ACC. TO ROPE DIAMETER

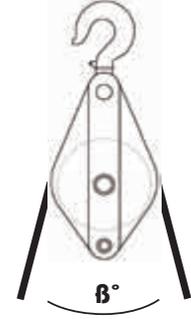
ÇELİK HALAT ÖLÇÜSÜ (mm) WIRE ROPE SIZE	TUTUYA MİKTARI (cc) WIRELOCK REQUIRED	ÇELİK HALAT ÖLÇÜSÜ (mm) WIRE ROPE SIZE	TUTUYA MİKTARI (cc) WIRELOCK REQUIRED	ÇELİK HALAT ÖLÇÜSÜ (mm) WIRE ROPE SIZE	TUTUYA MİKTARI (cc) WIRELOCK REQUIRED
8	17	28	210	56	1410
9-10	17	32	350	60	1410
11	35	36	350	64	1830
13	35	40	420	67	1830
14	52	42	495	70	2250
16	52	44	700	82	3795
20	86	51	1265	88	4920
26	160	54	1265	94	5980



HALAT MAKARALARI ROPE PULLEYS




ŞENOL MAKİNA



► AĞIR TİP MAKARALAR HEAVY IND. ROPE BLOCKS SNLBLOCKS ROPE BLOCKS

KOD CODE	GÖBEK TİPİ BEARING TYPE	MAKARA ÇAPI SHEAVE DIA.	HALAT ÇAPI WIREROPE DIA. (mm)	SWL (TON)
MA761	BB RB	76	8-10	2
MA1141		114	10-13	4
MA1521		152	16-19	8
MA2031		203	16-19	8
MA2541		254	16-19	8
MA3051		305	16-19	8
MA3561		356	16-19	8
MA4061		406	19-22	15
MA4571		457	22-26	15

*BRONZ BURÇLU VEYA RULMANLI
BRONZE BUSHING OR BEARING TYPE

► AĞIR TİP MAKARALAR HEAVY IND. ROPE BLOCKS SNLBLOCKS PLUS ROPE BLOCKS

KOD CODE	GÖBEK TİPİ BEARING TYPE	MAKARA ÇAPI SHEAVE DIA.	HALAT ÇAPI WIREROPE DIA. (mm)	SWL (TON)
MA2031P	BB	203	26-28	20
MA2541P		254	26-28	20
MA3051P		305	26-28	20
MA3561P		356	26-28	20
MA4571P		457	26-28	25
MA5081P		508	28-52	30
MA2031P		610	28-52	30

*BRONZ BURÇLU
BRONZE BUSHING

ÇALIŞMA AÇISI WORKING ANGLE	AÇI FAKTÖRÜ ANGLE FACTOR
0°	2
10°	1,99
20°	1,97
30°	1,93
40°	1,87
45°	1,84
50°	1,81
60°	1,73
70°	1,64
80°	1,53
90°	1,41
100°	1,29
110°	1,15
120°	1
130°	0,84
140°	0,68
150°	0,52
160°	0,35
170°	0,17
180°	0

* KANCALI VEYA KİLİTLİ İMALAT SEÇENEĞİ. HOOK OR SHACKLE TYPE OPTIONS.

* MİNİMUM KOPMA TONAJI, GÜVENLİ ÇALIŞMA TONAJININ 4 KATIDIR. MINIMUM ULTIMATE LOAD IS 4 TIMES THE WORKING LOAD LIMIT.



ŞENOL MAKİNA

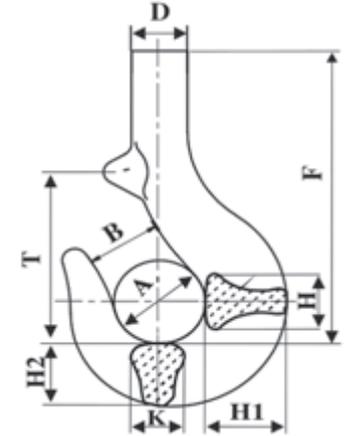


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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

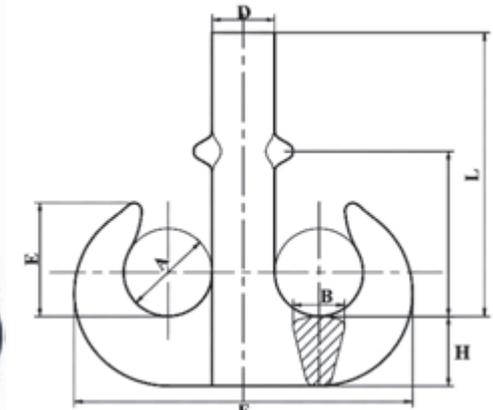
► SAPLI KANCA (DIN 15401) DIN 15401 HOOK

KOD CODE	A (mm)	B (mm)	D (mm)	F (mm)	H (mm)	H1 (mm)	H2 (mm)	K (mm)	T (mm)	AĞIRLIK WEIGHT (Kg/ad)
SK15401-0,25	36	28	20	152	22	28	25	20	75	0.74
SK15401-0,5	42	34	25	172	30	38	31	26	95	1.4
SK15401-0,8	48	38	30	191	37	44	37	32	103	2.3
SK15401-1	50	40	30	197	38	48	40	32	105	2.6
SK15401-1,6	56	45	36	233	46	56	48	40	119	4.3
SK15401-2,5	63	50	42	263	56	67	58	48	135	7.0
SK15401-4	71	56	48	297	65	80	67	54	152	9.9
SK15401-5	80	63	55	332	73	90	75	62	170	13.6
SK15401-6	91	72	62	390	80	100	86	67	195	20.4
SK15401-8	101	81	67	435	92	113	96	76	213	28.8
SK15401-10	118	93	77	490	105	125	110	90	225	39
SK15401-12	130	106	88	540	114	140	123	105	250	62
SK15401-16	145	114	97	600	130	168	132	118	290	95
SK15401-20	165	130	110	680	140	184	156	120	340	135
SK15401-25	180	140	124	750	160	200	170	132	360	150
SK15401-32	200	170	136	830	180	240	190	160	420	200
SK15401-40	230	180	155	930	200	250	215	170	440	310
SK15401-50	250	210	175	1000	224	280	236	190	485	430



► ÇİFT AĞIZLI SAPLI KANCA (DIN 15402) DIN 15402 RAMSHORN HOOK

KOD CODE	A (mm)	B (mm)	H (mm)	D (mm)	E (mm)	F (mm)	L (mm)	AĞIRLIK WEIGHT (Kg/ad)
SK15402-8	80	67	85	67	103	337	415	25
SK15402-10	90	75	95	75	116	377	450	35
SK15402-12	100	85	106	85	130	421	510	49
SK15402-16	112	95	118	95	146	471	580	69
SK15402-20	125	106	132	106	163	531	650	97
SK15402-25	140	118	150	118	182	598	715	135
SK15402-32	160	132	170	132	205	672	790	193
SK15402-40	180	150	190	150	230	754	885	280
SK15402-50	200	170	212	170	260	842	965	388



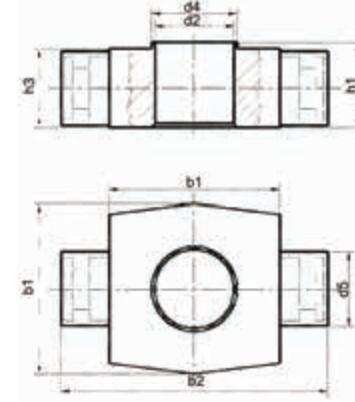
ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES



ŞENOL MAKİNA

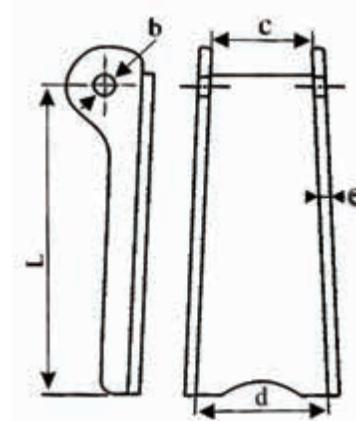
► KANCA TRAVERSİ HOOK TRAVERS

KOD CODE	ÖLÇÜ SIZE (mm)	B1 (mm)	B2 (mm)	D2 (mm)	D4 (mm)	D5 (mm)	H1 (mm)	H3 (mm)	AĞIRLIK Weight (kg)
SK15412-1,6	1.6	68	104	25	38	27	32	30	1.05
SK15412-2,5	2.5	85	132	28	43	32	43	40	2.00
SK15412-4	4	93	145	35	60	37	47	44	3.00
SK15412-5	5	102	158	33	69	42	52	47	3.90
SK15412-6	6	127	189	40	79	47	57	52	6.50
SK15412-8	8	142	210	44	89	50	63	58	8.90
SK15412-10	10	163	235	45	99	55	72	66	13.40
SK15412-12	12	180	268	53	110	63	86	79	19.50
SK15412-16	16	197	285	75	120	74	98	91	26.20
SK15412-20	20	207	302	74	131	85	97	90	29.00
SK15412-25	25	220	318	74	140	95	109	101	38.00
SK15412-32	32	260	378	113	160	100	115	106	55.00
SK15412-40	40	290	425	115	185	115	135	125	85.00
SK15412-50	50	340	475	130	225	130	150	140	125.00



► GÜVENLİK MANDALI SAFETY LATCH

KOD CODE	L SIZE (mm)	NR 15401 SIZE (mm)	NR15402 SIZE (mm)	DIN 319 SIZE (mm)	DIN 320 SIZE (mm)	B (mm)	C (mm)	D (mm)	E (mm)
KS43	43	025		2.5 - 3.2	1.6-2.5	4	19	20	1.5
KS53	53	05		5.4	3.2-5.3	4	19	20	1.5
KS67	67	08 - 1-1.6		8	8	5	28	32	3
KS85	85	2.5 - 4		11.5 - 16	11.5	6	35	42	3
KS106	106	5		22	16	7	35	45	4
KS120	120	6	8		21.2	7	38	50	4
KS135	135	8-10	10-12		30	9	48	55	4
KS155	155	12	16			11	63	62	4
KS185	185	16	20			11	68	65	4
KS215	215	20	25			11	73	72	5
KS230	230	25	32			13	85	91	5
KS277	277	32-40	40			13	91	88	5
KS330	330	50	50			18	116	113	5
KS380	380	63	80			18	114	96	6





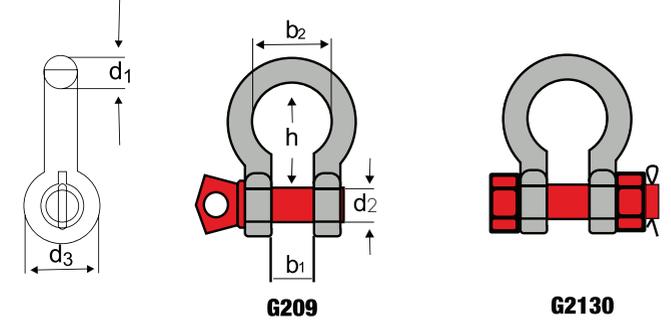
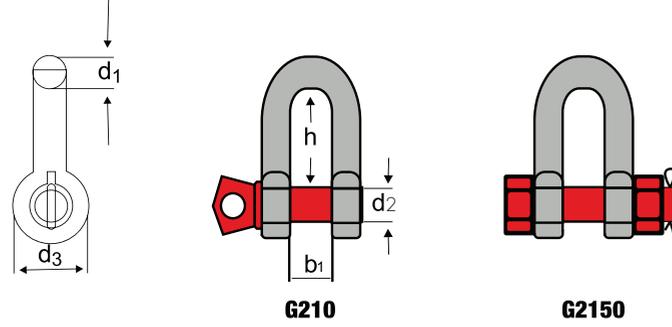
ŞENOL MAKİNA



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ÇELİK HALAT ve ZİNCİR BAĞLANTI ELEMANLARI CONNECTION ACCESSORIES

► YÜKSEK TONAJLI KİLİTLER HIGH TENSILE SHACKLES



NOMİNAL ÖLÇÜ SIZE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	d1 (mm)	d2 (mm)	d3 (mm)	b1 (mm)	h (mm)	BİRİM AĞIRLIĞI WEIGHT (kg)	
							G210	G2150
5/16	3/4	8	9,65	19,1	13,5	26,2	0,08	0,1
3/8	1	10	11,2	23,1	16,8	31,8	0,13	0,15
1/2	2	12,7	16	30,2	20,6	41,4	0,27	0,34
5/8	3,25	17	20	39	27	54	0,6	0,69
3/4	4,75	20	22	45	33	66	1	1,14
7/8	6,50	22,4	25	50	36,5	77	1,54	1,65
1	8,50	26	30	58	42	92	2,31	2,56
1 1/8	9,50	30	33,7	68	45	95	3,10	3,47
1 1/4	12	33	36	76	51,5	104	4,40	4,89
1 3/8	13,5	38	39	85	56	112	5,78	6,38
1 1/2	17	40	41	93	60	131	7,69	8,58
1 3/4	25	46	52	106	76	156	13,28	14,87
2	35	54	60	125	84	171	19,75	20,98
2 1/2	55	70	70	150	105	210	39,30	40,50
3	85	80	90	170	130	230	58,10	59
3 1/2	120	95	110	210	140	250	99,40	101
4	150	108	125	240	150	280	129	129

NOMİNAL ÖLÇÜ SIZE	ÇALIŞMA YÜKÜ W.L.L. (Ton)	d1 (mm)	d2 (mm)	d3 (mm)	b1 (mm)	b2 (mm)	h (mm)	BİRİM AĞIRLIĞI WEIGHT (kg)	
								G209	G2130
5/16	3/4	8	9,65	19,1	13,5	21,3	31	0,09	0,1
3/8	1	10	11,2	23,1	16,8	26,2	36,6	0,14	0,15
1/2	2	12,7	16	30,2	20,6	33,3	47,8	0,33	0,36
5/8	3,25	17	20	39	27	39	59	0,71	0,8
3/4	4,75	20,8	21,6	47	31,5	49	70	1,14	1,29
7/8	6,50	22,4	25	53	35	56	84	1,72	1,81
1	8,50	27	30	61	42	67	95	2,45	2,74
1 1/8	9,50	29	32,7	67	46,5	74	111	3,49	3,88
1 1/4	12	33	36	74	51	80	121	4,81	5,34
1 3/8	13,5	37	39	82	58	92	139	6,28	6,78
1 1/2	17	40	41,2	90	60	97	152	8,31	9,12
1 3/4	25	48	52	107	76	127	190	15,2	16,33
2	35	54	60	122	84	146	202	21,47	22,52
2 1/2	55	70	70	150	105	185	267	44,8	45,9
3	85	80	90	170	130	200	330	77,5	78
3 1/2	120	95	110	210	140	230	360	131,3	132
4	150	108	125	240	150	260	380	157,8	160



ŞENOL MAKİNA



ATLAS YÜK KALDIRMA ve GEDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS

► CERASKAL HS TİP CHAIN BLOCK HS TYPES

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	MİNİMUM YÜKSEKLİK MIN. HEIGHT (mm)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATCY 053	0.5	3	0.75	1	315	6	9
ATCY 055	0.5	5	0.75	1	315	6	12
ATCY 013	1	3	1.5	1	355	6	9.4
ATCY 015	1	5	1.5	1	355	6	12.2
ATCY 23	2	3	3	2	470	6	14
ATCY 25	2	5	3	2	470	6	18.3
ATCY 33	3	3	4.5	2	555	8	21.7
ATCY 35	3	5	4.5	2	555	8	29

► CERASKAL OVERLOAD TİP (YÜK EMNİYETLİ) CHAIN BLOCK OVERLOAD TYPES

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	MİNİMUM YÜKSEKLİK MIN. HEIGHT (mm)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATSOC 15	1	5	1.50	1	345	6	13,5
ATSOC 1-12	1	12	1.50	1	345	6	25,50
ATSOC 25	2	5	3	1	431	8	20,5
ATSOC 2-12	2	12	3	1	431	8	38
ATSOC 35	3	5	4.50	2	514	7.1	30
ATSOC 3-12	3	12	4.50	2	514	7.1	52.5
ATSOC 55	5	5	7.5	2	600	9	42
ATSOC 5-12	5	12	7.5	2	600	9	74,5
ATSOC 105	10	5	15	4	798	9	80
ATSOC 10-12	10	12	15	4	798	9	152

► CERASKAL HS-C TİP CHAIN BLOCK HS-C TYPES

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	MİNİMUM YÜKSEKLİK MIN. HEIGHT (mm)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATCK 053	0.5	3	0.75	1	270	6	10
ATCK 055	0.5	5	0.75	1	270	6	13
ATCK 13	1	3	1.50	1	340	6	12.5
ATCK 15	1	5	1.50	1	340	6	15
ATCK 23	2	3	3	1	414	8	18
ATCK 25	2	5	3	1	414	8	22,5
ATCK 33	3	3	4.5	2	512	8	24,5
ATCK 35	3	5	4.5	2	512	8	30
ATCK 53	5	3	7.5	2	636	10	39.5
ATCK 55	5	5	7.5	2	636	10	49
ATCK 105	10	5	15	4	743	10	99
ATCK 205	20	5	30	8	890	10	211
ATCK 305	30	5	45	12	1380	10	284

► HUBZUG LEVER BLOCK

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATH 0.5	0.5	1.5	0.75	1	5	4
ATH 0.7	0.75	1.5	1.05	1	6	7
ATH 1.5	1.5	1.5	2.25	1	8	15
ATH 3	3	1.5	4.5	1	10	20
ATH 6	6	1.5	9	2	10	31
ATH 9	9	1.5	13.5	3	10	43



ATLAS YÜK KALDIRMA ve GERDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



ŞENOL MAKİNA

► HUBZUG OVERLOAD TİP (YÜK EMNİYETLİ) LEVER BLOCK OVERLOAD TYPE

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATSH 1.5	1.5	1.5	2.25	1	8	11.8
ATSH 1.5-3	1.5	3	2.25	1	8	13.4
ATSH 3	3	1.5	4.5	1	10	20.5
ATSH 3-3	3	3	4.5	1	10	24.3
ATSH 6	6	1.5	9	2	10	31.5
ATSH 6-3	6	3	9	2	10	37.6



► HUBZUG CIRCIR KOLLU LEVER HOIST GEAR HANDLE

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART ZİNCİR BOYU CHAIN LENGHT (METRE)	TEST YÜKÜ TESTING LOAD (TON)	ZİNCİR DONAMIM SAYISI REEVING	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	AĞIRLIK WEIGHT (Kg)
ATHC 0.25	0.25	1.5	0,37	1	4	2,2
ATHC 0.5	0.5	1.5	0,75	1	4	3,1
ATHC 0.7	0.75	1.5	1,12	1	5	4,75
ATHC 1.5	1.5	1.5	2,25	1	7	8.5
ATHC 2.5	2.5	1.5	3,75	1	9	14.1
ATHC 5	5	1.5	7,5	2	9	25.5



► DİKEY SAÇ KAPMA LIFTING CLAMP VERTICAL

KOD CODE	KAPASİTE CAPACITY (TON)	MİNİMUM KAPASİTE MIN. CAPACITY (TON)	ÇENE AÇIKLIĞI LOW OPENING	TEST YÜKÜ TESTING LOAD	AĞIRLIK WEIGHT (Kg)
ATSK1	1	0.10	0-20	1,5	5
ATSK2	2	0.20	0-25	3	8
ATSK3	3	0.30	0-30	4,5	15
ATSK5	5	0.50	0-50	6,75	23



► L TİPİ (YATAY) SAÇ KAPMA LIFTING CLAMP HORIZONTAL

KOD CODE	KAPASİTE CAPACITY (TON)	MİNİMUM KAPASİTE MIN. CAPACITY (TON)	ÇENE AÇIKLIĞI LOW OPENING	TEST YÜKÜ TESTING LOAD (TON)	AĞIRLIK WEIGHT (Kg)
ATSK0.8	0.8	0.08	0-30	1.20	4
ATSK1.6	1.6	0.16	0-45	2.40	6
ATSK3.2	3.2	0.32	0-65	4.30	10.50



► ŞARYO CERASKAL ARABASI TROLLEY

KOD CODE	KAPASİTE CAPACITY (TON)	ÇALIŞTIĞI NPI WORKING NPI	AĞIRLIK WEIGHT (Kg)
ATŞA 05	0.5	100-140 mm	4,3
ATŞA 1	1	140-180 mm	7
ATŞA 2	2	160-220 mm	10,5
ATŞA 3	3	180-240 mm	15,3
ATŞA 5	5	180-240 mm	21,7



► MİNİ ELEKTRİK Lİ VİNÇ ŞARYOSU MİNİ TROLLEY

KOD CODE	KAPASİTE CAPACITY (TON)	ÇALIŞTIĞI NPI WORKING NPI	AĞIRLIK WEIGHT (Kg)	KUTU ADEĐİ PACKAGE QUANT.
ATVŞA	1	80-120 mm	3,4	2





ŞENOL MAKİNA



ATLAS YÜK KALDIRMA ve GEDİRME ÜRÜNLERİ

ATLAS LIFTING AND PULLING EQUIPMENTS

► UNIVERSAL MANYETİK KALDIRMA UNIVERSAL PERMANENT MAGNETIC LIFTER

KOD CODE	KAPASİTESİ DÜZ/YUVARLAK MALZEME CAPACITY FLAT/ROUND MATERIAL (Kg)	TEST YÜKÜ TEST LOAD (Kg)	ÖLÇÜLER DIMENSIONS (mm)	AĞIRLIK WEIGHT (Kg)
ATMK 01	100/50	350	92x64x72	3
ATMK 03	300/150	1050	166x99x108	12
ATMK 06	600/300	2100	228x118x123	24
ATMK 10	1000/500	3500	266x150x158	43
ATMK 15	1500/750	5000	354x168x172	69
ATMK 20	2000/1000	7000	394x196x204	105
ATMK 30	3000/-	10500	431x234x232	160
ATMK 50	5000/-	15000	522x294x289	302



► ŞİŞE KRİKO HYDRAULIC BOTTLE JACK

KOD CODE	KAPASİTE CAPACITY (TON)	MINİMUM YÜKSEKLİK HEIGHT (mm)	KALDIRMA YÜKSEKLİĞİ LIFTING HEIGHT (mm)	AYARLANA- BİLİR YÜKSEKLİK ADJUSTABLE HEIGHT (mm)	MAKSİMUM YÜKSEKLİK MAXIMUM HEIGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATŞK 3	3	195	125	60	380	3,2
ATŞK 5	5	197	125	60	382	4,1
ATŞK 10	10	205	125	60	390	5,6
ATŞK 15	15	225	140	60	425	7,8
ATŞK 20	20	244	145	60	449	10,2
ATŞK 32	32	285	180	-	465	14
ATŞK 50	50	300	180	-	480	30
ATŞK 100	100	335	180	-	520	78,0



► PEHLİVAN KRİKO MECHANICAL JACK

KOD CODE	KAPASİTE CAPACITY (TON)	KAPALI BOY CLOSED HEIGHT (mm)	STROK STROKE (mm)	TESTYÜKÜ TESTING LOAD	AĞIRLIK WEIGHT (Kg)	KUVVET FORCE (N)
ATPK 3	3	70 - 730	360	3,6	21,2	280
ATPK 5	5	80 - 730	345	6,1	28,5	280
ATPK 10	10	85 - 800	410	12,20	46,8	560
ATPK 16	16	95 - 800	320	19,6	65	640
ATPK 20	20	100 - 860	320	24,5	75	640



► MAKİNA KRİKOSU HYDRAULIC BOTTLE JACK

KOD CODE	KAPASİTE CAPACITY (TON)	TIRNAK KALDIRMA ARALIĞI NAIL LIFTING RANGE (mm)	ÜST KALDIRMA ARALIĞI TOP LIFTING RANGE (mm)	AĞIRLIK WEIGHT (Kg)
ATM 50	5	20-230	368-573	25
ATM 100	10	30-260	420-650	35
ATM 250	25	58-273	505-720	102



► RAY KAPMA RAIL CLAMP

KOD CODE	KAPASİTE CAPACITY (TON)	ÇENE AÇIKLIĞI LOW OPENING (mm)	TEST YÜKÜ TEST LOAD	AĞIRLIK WEIGHT (Kg)
ATRK 2	2	15-85	3	6.2
ATRK 4	4	10-95	6	15



ATLAS YÜK KALDIRMA ve GERDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS

► ZİNCİRLİ ELEKTRİKLİ VİNÇ (2 HAREKETLİ HIZLI 380V) ELECTRICAL CHAIN HOIST FAST

KOD CODE	KAPASİTE CAPACITY (TON)	KALDIRMA YÜKSEKLİĞİ LIFTING HEIGHT (METRE)	TEST YÜKÜ TEST LOAD (Kg)	ZİNCİR DONANIM SAYISI REEVING	MOTOR GÜCÜ POWER (kW)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	KALDIRMA HIZI CHAIN LENGHT (METER) (m/dk)	KORUMA SINIFI PROTEC- TION CLASS	AĞIRLIK WEIGHT (Kg)
ATZCE 05	0.5	6	625	1	1.1	6.3	7.2	IP54	47
ATZCE 1	1	6	1250	1	1.5	7.1	6.8	IP54	65
ATZCE 1-12	1	12	1250	1	1.5	7.1	6.8	IP54	68
ATZCE 2	2	6	2500	1	3.0	10	6.6	IP54	108
ATZCE 2-12	2	12	2500	1	3.0	10	6.6	IP54	118
ATZCE 3	3	6	3750	1	3.0	11.2	5.6	IP54	115
ATZCE 3-12	3	12	3750	1	3.0	11.2	5.6	IP54	126



► ZİNCİRLİ ELEKTRİKLİ VİNÇ (4 HAREKETLİ HIZLI 380V) ELECTRICAL CHAIN HOIST FAST

KOD CODE	KAPASİTE CAPACITY (TON)	MOTOR GÜCÜ POWER (kW)	RAYDA YÜRÜME HIZI ON RAIL WALKING SPEED m/dk	AĞIRLIK WEIGHT (Kg)	NPI PROFİL ÖLÇÜSÜ NPI PROFILE SCALE (mm)
ATZCE 05-4	0.5	0.4	11	32	75-178
ATZCE 1-4	1	0.4	11	38	82-178
ATZCE 1-12-4	1	0.4	11	50	100-178
ATZCE 2-4	2	0.4	11	32	75-178
ATZCE 2-12-4	2	0.4	11	38	82-178
ATZCE 3-4	3	0.75	11	50	100-178
ATZCE 3-12-4	3	0.75	11	50	100-178



► ELEKTRİKLİ ŞARYO ELECTRIC TRAILER

► ZİNCİRLİ ELEKTRİKLİ PLUS VİNÇ (2 HAREKETLİ TRİFAZE + ŞANZİMAN SIVI YAĞLI + ÇİFT HIZ) ELECTRICAL CHAIN HOIST - FLUID OIL

KOD CODE	KAPASİTE CAPACITY (TON)	KALDIRMA YÜKSEKLİĞİ LIFTING HEIGHT (METRE)	TEST YÜKÜ TEST LOAD (Kg)	ZİNCİR DONANIM SAYISI REEVING	MOTOR GÜCÜ POWER (kW)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	KALDIRMA HIZI CHAIN LENGHT (METER) (m/dk)	KORUMA SINIFI PROTEC- TION CLASS	AĞIRLIK WEIGHT (Kg)
ATZCS05	0.5	6	630	1	0.9	6.3	7,6-2,5	IP54	65
ATZCS1	1	6	1250	1	1.1	8.0	5-1,7	IP54	74
ATZCS1-12	1	12	1250	1	1.1	8.0	5-1,7	IP54	82
ATZCS2	2	6	2500	2	1.1	8.0	2,5-0,85	IP54	89
ATZCS2-12	2	12	2500	2	1.1	8.0	2,5-0,85	IP54	106
ATZCS3	3	6	3750	1	3.0	11.2	6-2	IP54	113
ATZCS5	5	6	6250	2	3.0	11.2	3-1	IP54	162



KOD CODE	KAPASİTE CAPACITY (TON)	MOTOR GÜCÜ POWER (kW)	RAYDA YÜRÜME HIZI ON RAIL WALKING SPEED m/dk	AĞIRLIK WEIGHT (Kg)	NPI PROFİL ÖLÇÜSÜ NPI PROFILE SCALE (mm)
ATZCE-T1	1	0.4	11	32	75-178
ATZCE-T2	2	0.4	11	38	82-178
ATZCE-T3	3	0.75	11	50	100-178



► ZİNCİRLİ ELEKTRİKLİ VİNÇ (2 HAREKETLİ MONOFAZE 220V) ELECTRICAL CHAIN HOIST 2 ACT

KOD CODE	KAPASİTE CAPACITY (TON)	KALDIRMA YÜKSEKLİĞİ LIFTING HEIGHT (METRE)	TEST YÜKÜ TEST LOAD (Kg)	ZİNCİR DONANIM SAYISI REEVING	MOTOR GÜCÜ POWER (kW)	YÜK ZİNCİR ÖLÇÜSÜ LOAD CHAIN DIAMETER	KALDIRMA HIZI CHAIN LENGHT (METER) (m/dk)	AĞIRLIK WEIGHT (Kg)	HAREKET MOVEMENT
ATEC 05	0.5	6	625	1	1.4	6.3	5	20	2
ATEC 1	1	6	1250	2	1.4	6.3	2.5	35	2



► KABLOSUZ VİNÇ KUMANDASI WIRELESS CRANE CONTROLLER

KOD CODE	VOLTAJ VOLTAGE
ATZCE-C4S	AC/DC 18-65 V


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ATLAS YÜK KALDIRMA ve GEDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



► TRİFOR WIRE ROPE WINCH SET

KOD CODE	KAPASİTE CAPACITY (TON)	STANDART HALAT BOYU STD. ROPE LENGTH (m)	HALAT ÇAPI ROPE DIAMETER (mm)	TEST YÜKÜ TEST LOAD	GÖVDE TİPİ BODY TYPE	AĞIRLIK WEIGHT (Kg)
ATT 0820	0,8	20	8,3	1	Çelik	13
ATT 1620	1,6	20	11	2	Çelik	26,5
ATT 1630	1,6	30	11	2	Çelik	30
ATT 3220	3,2	20	16	4	Çelik	48,5
ATT 3230	3,2	30	16	4	Çelik	58
ATT 5420	5.4	20	20	6.75	Alüminyum	57
ATT 5430	5.4	30	20	6.75	Alüminyum	57



► YÜK TAŞIMA ARABALARI TRANSPORT TROLLEYS

KOD CODE	KAPASİTE CAPACITY (TON)	TEMAS YÜZEYİ CONTACT SURFACE (mm)	KOL UZUNLUK AYAR ÖLÇÜSÜ ARM LENGTH SETTING SIZE (mm)	TEKERLEK SAYISI WHEELS (pcs)	AĞIRLIK WEIGHT (Kg)
ATYA 8	4+2+2 8 TON	150 / 130x130	1020 / 300 - 1000	4+4=8	28
ATYA 16	8+4+4 16 TON	160 / 200x160	1300 / 400 - 1300	8+8=16	72
ATYA 24	12+6+6 24 TON	180 / 220x180	1300 / 400 - 1300	12+12=24	100
ATYA 36	18+9+9 36 TON	200 / 280x200	1470 / 400 - 1500	18+18=36	138
ATYA 48	24+12+12 48 TON	220 / 330x200	1500 / 600 - 2000	12+12=24	240
ATYA 64	32+16+16 64 TON	250 / 420x220	1760 / 800 - 2000	16+16=32	310

► KISA TRANSPALET SHORT HAND PALLET TRUCK



KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGTH (mm)	AĞIRLIK WEIGHT (Kg)
ATTPK 2	2	75	190	550	800	50

80 cm
Çatal
Uzunluğu

► PAKET TAŞIMA ARABASI HAND TRUCK

KOD CODE	KAPASİTE CAPACITY (kg)	TABLA ÖLÇÜSÜ SIZES (mm)	YÜKSEKLİK HEIGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATYA 150	150	480x735	820	7.6
ATYA 300	300	610x900	870	14



ATLAS YÜK KALDIRMA ve GERDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



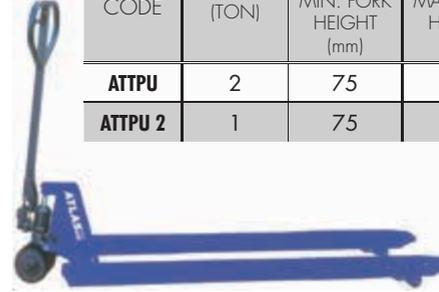
ŞENOL MAKİNA

▶ STANDART TRANSPALET STANDARD HAND PALLET TRUCK

▶ UZUN TRANSPALET PALLET TRUCK WITH LONG FORKS



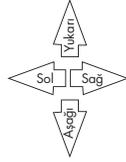
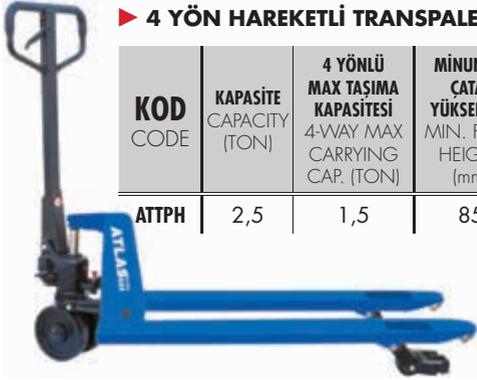
KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTP	2,5	75	190	550	1150	66
ATTP 2.5	2,5	75	190	550	1150	64,5
ATTP 3	3	75	190	550	1150	77
ATTP 5	5	88	205	550	1150	106,5



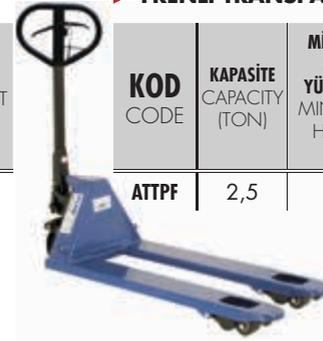
KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPU	2	75	190	550	1500	85
ATTPU 2	1	75	190	550	2000	102

▶ 4 YÖN HAREKETLİ TRANSPALET FOUR WAY ROLLER PALLET TRUCK

▶ FRENLİ TRANSPALET HAND PALLET TRUCK WITH BRAKE



KOD CODE	KAPASİTE CAPACITY (TON)	4 YÖNLÜ MAX TAŞIMA KAPASİTESİ 4-WAY MAX CARRYING CAP. (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPH	2,5	1,5	85	200	550	1150	65



KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPF	2,5	85	200	550	1150	73

▶ MİNİ TRANSPALET MİNİ HAND PALLET TRUCK

▶ DÜŞÜK ŞASE TRANSPALET LOW HEIGHT HAND PALLET TRUCK



KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTP 0.5	0,5	60	150	380	800	35



KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPD 1	1	35	105	550	1100	85

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ATLAS YÜK KALDIRMA ve GEDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



► INOX TRANSPALET STAINLESS STEEL PALLET TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPP 2.5	2,5	85	200	550	1150	77,5



► GALVANİZ TRANSPALET GALVANIZED PALLET TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTPG 2.5	2,5	85	200	550	1100	70



► TERAZİLİ TRANSPALET SCALE PALLET TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATTP2E	2	85	175	540	1150	120

ATLAS YÜK KALDIRMA ve GERDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



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► **MAKASLI TRANSPALET YÜKSEK ŞASELİ** STANDART HIGH LIFT TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATPS	1	85	800	550	1220	127,5



► **MAKASLI TRANSPALET** HIGH LIFT TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATPM	1	85	800	550	1150	107,5



► **MAKASLI PLATFORM** SCISSOR LIFT TABLE

KOD CODE	KAPASİTE CAPACITY (KG)	MİNUNUM TABLA YÜKSEKLİĞİ MIN. HEIGHT (mm)	MAXİMUM TABLA YÜKSEKLİĞİ MAX. HEIGHT (mm)	TABLA ÖLÇÜLERİ TABLE SİZES (mm)	MAKS. YÜKSEKLİK İÇİN PEDAL BASIMI SAYISI FOOT CYCLES TO REACH MAX. HEIGHT	AĞIRLIK WEIGHT (Kg)
ATP 150	150	225	740	740x450x35	25	44
ATP 300	300	340	900	855x500x50	32	82
ATP 500	500	340	900	855x500x50	45	87
ATP 800	800	420	1000	1000x510x55	70	115
ATP 1500	1500	420	1000	1220x610x60	70	135



► **ÇİFT MAKASLI PLATFORM** DOUBLE SCISSOR LIFT TABLE

KOD CODE	KAPASİTE CAPACITY (KG)	MİNUNUM TABLA YÜKSEKLİĞİ MIN. TABLE HEIGHT (mm)	MAXİMUM TABLA YÜKSEKLİĞİ MAX. TABLE HEIGHT (mm)	TABLA ÖLÇÜLERİ TABLE SİZES (mm)	MAKS. YÜKSEKLİK İÇİN PEDAL BASIMI SAYISI FOOT CYCLES TO REACH MAX. HEIGHT	AĞIRLIK WEIGHT (Kg)
ATDP 350	350	350	1300	910x500x50	60	105
ATDP 800	800	475	1500	1220x610x60	70	172

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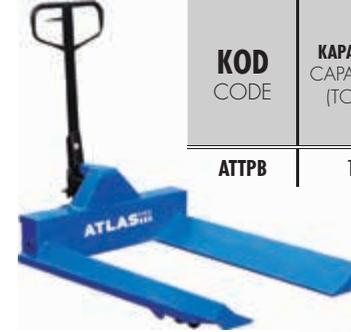
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ATLAS YÜK KALDIRMA ve GERDİRME ÜRÜNLERİ ATLAS LIFTING AND PULLING EQUIPMENTS



► BOBİN TAŞIMA TRANSPALETİ REEL CARRIER TRUCK

KOD CODE	KAPASİTE CAPACITY (TON)	BOBİN ÇAPI DIAMETER OF BALE (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGTH (mm)	AĞIRLIK WEIGHT (Kg)
ATTPB	1	700-1200	965	1150	135



► VARİL İSTİF MAKİNASI BARREL STACKER

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM KALDIRMA YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	MAKİNA YÜKSEKLİĞİ MACHINE HEIGHT (mm)	DÖNÜŞ YARI ÇAPI RETURN RADIUS DIAMETER (mm)	YÜKLEME MERKEZİ MESAFESİ LOADING CENTRAL DISTANCE (mm)	AĞIRLIK WEIGHT (Kg)
ATVIM	0,35	385	1945	750	1270	1200	570	232



AYARLANABİLİR
ÇATALLI

► MANUEL İSTİF MAKİNASI ADJUSTABLE MANUAL STACKER

► DESTEK PANELLİ TRANSPALET PALLET TRUCK WITH SUPPORT PANELS

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM ÇATAL YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGTH (mm)	AĞIRLIK WEIGHT (Kg)
ATTPK	2,5	85	200	550	1150	95

KOD CODE	KAPASİTE CAPACITY (TON)	MİNUNUM ÇATAL YÜKSEKLİĞİ MIN. FORK HEIGHT (mm)	MAXİMUM KALDIRMA YÜKSEKLİĞİ MAX. FORK HEIGHT (mm)	ÇATAL GENİŞLİĞİ WIDTH OVERALL FORKS (mm)	ÇATAL UZUNLUĞU FORK LENGTH (mm)	MİNUNUM MAKİNA YÜKSEKLİĞİ OVERALL HEIGHT (mm)	AĞIRLIK WEIGHT (Kg)
ATMI 1016	1	90	1600	300-850	1000	1500	255
ATMI 1025	1	90	2500	300-850	1000	1500	355
ATMI 1516	1.5	90	1600	300-850	1000	1500	290



ŞENOL MAKİNA



CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

Cermax, 2008 yılından bugüne kaldırma, taşıma, itme, çekme ve bükme gibi endüstriyel kullanımlara yönelik onlarca farklı kombinasyonu içeren profesyonel çözümler sunuyor. Standart ürün gruplarının yanı sıra, kapasite, strok, boy, ölçü kısıtlaması olmaksızın, ihtiyaca yönelik çözümler üretiyor. Garanti süresi, servis sürelerinin minimum düzeyde tutulması, yedek parça ve sınırsız teknik destek ile birçok ulusal ve uluslararası projede yükünüzü hafifletiyor.

DOĞRU SİLİNDİR SEÇİMİ:

1. İstenen kaldırma ya da çekme yükü nedir? Her zaman için istenen tonajın %20 üzerinde bir silindir seçimi yapılmalıdır!
2. İstenen kaldırma ya da çekme mesafesi nedir?
3. Silindir kaldırma, çekme ya da her iki amaçla da mı kullanılacak?
4. Sistem çoklu silindir kullanımını gerektiriyor mu?
5. Sistem kolay taşınabilirlik açısından hafif komponentlerden mi oluşmalı? Yoksa yerinde sabit uygulamalar yeterli mi?
6. Silindir yüzey alanı uygulama için uygun mu?
7. Silindir kapalı boyu uygulama için uygun mu?
8. Kullanılacak ürünlerde paslanmazlık talebi ve koşulu söz konusu mu?



Not: Kesit görünümü ve açıklamalar üründen ürüne farklılık gösterebilir. Note: Drawing is representative, may not represent all cylinders in this section.

NE TÜR BİR SİLİNDİRE İHTİYACINIZ VAR?

1. **Silindir Kapasitesi Tespiti :**
Yük (kg) = Silindir yüzey alanı (cm²) x Pompa basıncı (bar)
2. **Silindir Yağ Kapasitesi Tespiti :**
Yağ kapasitesi (cm³) = Silindir yüzey alanı (cm²) x Silindir stroku (cm)
3. **Çoklu Sistemler İçin Yağ Rezervuarı Tespiti :**
Yağ kapasitesi (cm³) = Silindir yüzey alanı (cm²) x Silindir stroku (cm)

Cermax provides professional solutions for lifting, stretching and bending since 2008. Beside standard products range, different capacities, sizes, and options can be produced. Warranty time, fast action service response, wide spare part availability and limitless after sales support are the most profitable values of Cermax.

CHOOSING THE RIGHT CYLINDER:

1. What push or pull force is required per cylinder? Always choose a cylinder with a tonnage rating of 20% or more than what is required.
2. What is the push or pull stroke length required?
3. Does the cylinder need to push, pull or both?
4. Does the application require multiple cylinders?
5. Is the application stationary, or must the components be light in weight for easy portability?
6. Does the application require that the cylinder fit within limited-clearance work areas?
7. Does the application require that the cylinder be "dead-ended" at the end of its work stroke?
8. Is corrosion resistance required?

WHAT TYPE OF CYLINDER DO YOU NEED?

1. To Determine A Cylinder's Force Capacity:
Force (kg) = Cylinder Effective Area (cm²) x Pump Pressure (bar)
2. To Determine Oil Capacity Of Cylinder :
Oil Capacity (cm³) = Cylinder Effective Area (cm²) x Cylinder Stroke (cm)
3. To Determine Reservoir Capacity Needed For a Multiple Cylinder System:
Oil Capacity (cm³) = Cylinder Effective Area (cm²) x Cylinder Stroke (cm)

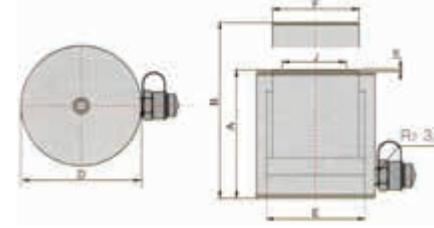
CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► HİDROLİK SİLİNDİRLER (TEK TESİRLİ YAY GERİ DÖNÜŞLÜ)

HYDRAULIC CYLINDERS (SINGLE ACTING, SPRING RETURN)

KOD STOCK CODE	ÇALIŞMA TONAJI CAPACITY (TON)	ÇALIŞMA STROKU STROKE (mm)	KAPALI BOY CLOSED HEIGHT (mm) (A)	AÇIK BOY OPEN HEIGHT (mm) (B)	SİLİNDİR DIŞ ÇAP CYLINDER DIAMETER (mm) (D)	SİLİNDİR PİSTON ÇAP STROKE DIAMETER (mm) (F)	KULLANILAN POMPA MODELİ RECOM- MENDED PUMP	YAĞ KAPASİTESİ OIL CAPACITY (cm ³)	AĞIRLIK WEIGHT (Kg)
RSC - 1010	10	10	48	58	83x60	38	CP-700B	16	1.6
RSC - 1050		50	122	172	68	36	CP-700B	85	3.1
RSC - 10100		100	172	272	68	36	CP-700B	169	4.4
RSC - 10150		150	222	372	68	36	CP-700B	254	5.7
RSC - 2011	20	11	56	67	99x76	50	CP-700B	34	2.7
RSC - 2050		50	126	176	83	45	CP-700B	157	4.0
RSC - 20100		100	176	276	83	45	CP-700B	311	5.3
RSC - 20150		150	226	376	83	45	CP-700B	465	6.6
RSC - 3013	30	13	62	75	123x98	64	CP-700B	55	4.6
RSC - 3050		50	137	187	103	65	CP-700B	237	7.9
RSC - 30100		100	187	287	103	65	CP-700B	471	10.7
RSC - 30150		150	237	387	103	65	CP-700A	705	13.5
RSC - 5016	50	16	72	88	148x120	70	CP-700B	101	7.8
RSC - 5050		50	147	197	123	70	CP-700B	389	11.6
RSC - 50100		100	197	297	123	70	CP-700A	768	14.9
RSC - 50150		150	247	397	123	70	CP-700A	1147	18.0
RSC - 10016	100	16	91	107	188x160	100	CP-700B	200	16.8
RSC - 10050		50	182	232	178	100	CP-700A	833	25.7
RSC - 100100		100	232	332	178	100	CP-700A	1584	30.6
RSC - 100150		150	282	432	178	100	CP-700XL	2335	35.5
RSC - 20050	200	50	202	252	228	135	CP-700A	1500	60.0
RSC - 200100		100	252	352	228	135	ZCB65	2953	71.0
RSC - 200150		150	302	452	228	135	ZCB65	4406	83.0




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HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI





ŞENOL MAKİNA

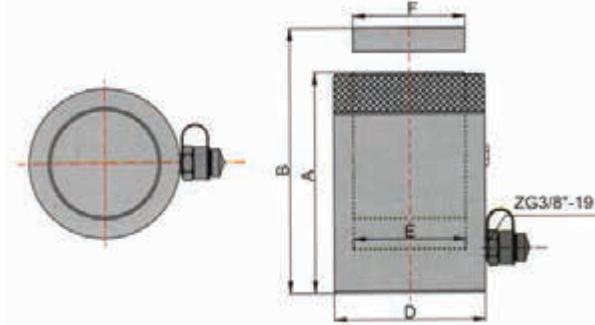


CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► KİLİTLİ HİDROLİK SİLİNDİRLER (TEK TESİRLİ, YAY GERİ DÖNÜŞLÜ)

HYDRAULIC CYLINDERS WITH LOCK NUT (SINGLE ACTING, SPRING RETURN)



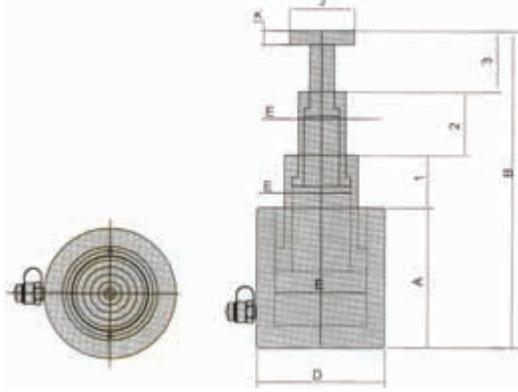
KOD STOCK CODE	ÇALIŞMA TONAJI CAPACI- TY (TON)	ÇALIŞMA YÜKÜ KN (mm)	ÇALIŞMA STROKU STROKE (mm)	KAPALI BOY CLOSED HEIGHT (mm) (A)	AÇIK BOY OPEN HEIGHT (mm) (B)	SİLİNDİR DIŞ ÇAP CYLINDER DIAMETER (mm) (D)	SİLİNDİR PİSTON ÇAP STROKE DIAMETER (mm) (F)	KİLİTLEME YÜKSEKLİĞİ LOCKNUT HEIGHT (mm)	KULLANILAN POMPA MODELİ RECOM- MENDED PUMP	YAĞ KAPASİTESİ OIL CAPACITY (cm ³)	AĞIRLIK WEIGHT (Kg)
RSC - 1050K	10	111	50	144	194	68	45	28	CP700B	90	4
RSC - 10100K		111	100	194	294	68	45	28	CP700B	171	5.5
RSC - 10150K		111	150	244	394	68	45	28	CP700B	255	7
RSC - 2050K	20	198	50	148	198	83	60	30	CP700B	168	7
RSC - 20100K		198	100	198	298	83	60	30	CP700B	316	9
RSC - 20150K		198	150	248	398	83	60	30	CP700B	467	11.2
RSC - 3050K	30	309	50	156	206	103	75	32	CP700B	248	9.5
RSC - 30100K		309	100	206	306	103	75	32	CP700B	475	12.7
RSC - 30150K		309	150	256	406	103	75	32	CP700A	706	15.5
RSC - 5050K	50	496	50	164	214	123	95	36	CP700A	406	14.5
RSC - 50100K		496	100	214	314	123	95	36	CP700A	773	19
RSC - 50150K		496	150	264	414	123	95	36	CP700A	1147	23.5
RSC - 10050K	100	1002	50	186	236	168	135	44	CP700A	797	30.5
RSC - 100100K		1002	100	236	336	168	135	44	CP700A	1548	39
RSC - 100150K		1002	150	286	436	168	135	44	CP700XL	2299	47.5

CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► TELESKOPİK HİDROLİK SİLİNDİRLER (TEK TESİRLİ, YÜK GERİ DÖNÜŞLÜ)

TELESCOPIC HYDRAULIC CYLINDERS (SINGLE ACTING, LOAD RETURN)



KOD STOCK CODE	ÇALIŞMA TONAJI CAPACITY (TON)	KADEM SAYISI STAGE NUMBER	ÇALIŞMA YÜKÜ KN (mm)	ÇALIŞMA STROKU STROKE (mm)	KAPALI BOY CLOSED HEIGHT (mm) (A)	SİLİNDİR DIŞ ÇAP CYLINDER DIAMETER (mm) (D)	STANDART PABUÇ ÇAPI STANDARD SADDLE DIA. (mm) (J)	KULLANILAN POMPA MODELI RECOMMENDED PUMP	YAĞ KAPASİTESİ OIL CAPACITY (cm ³)	AĞIRLIK WEIGHT (Kg)
RSC - 15300T	15	2	166	150	280	125	63	CP700A	1308	28
		1	445	150						
RSC - 30300T	30	2	309	150	304	152	85	CP700XL	2088	45
		1	665	150						
RSC - 50300T	50	2	496	150	350	170	105	ZCB65	3800	68
		1	1002	150						



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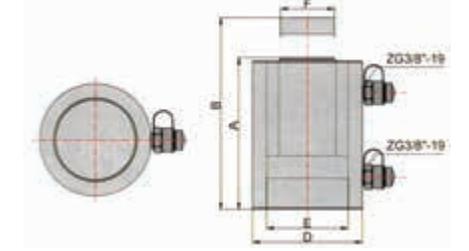
CERMAX
HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

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CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

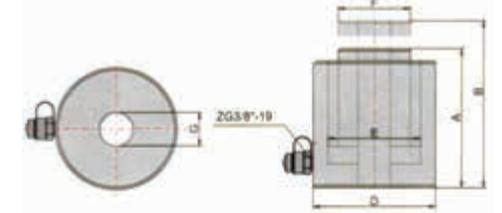
► HİDROLİK ÇİFT TESİRLİ YÜKSEK TONAJLI SİLİNDİRLER HYDRAULIC HIGH TONNAGE CYLINDERS DOUBLE ACTING

KOD STOCK CODE	ÇALIŞMA TONAJI CAPACITY (TON)	ÇALIŞMA STROKU STROKE (mm)	KAPALI BOY CLOSED HEIGHT (mm) (A)	AÇIK BOY OPEN HEIGHT (mm) (B)	SİLİNDİR DIŞ ÇAP CYLINDER DIAMETER (mm) (D)	SİLİNDİR PİSTON ÇAP STROKE DIAMETER (mm) (F)	KULLANILAN POMPA MODELİ RECOMMENDED PUMP	YAĞ KAPASİTESİ İTME OIL CAPACITY PUSH (cm ³)	YAĞ KAPASİTESİ ÇEKME OIL CAPACITY PULL (cm ³)	AĞIRLIK WEIGHT (Kg)
RSC - 100200S	100	200	389	589	175	90	ZCB65B	2863	1590	60.0
RSC - 100300S		300	489	789	175	90	ZCB65B	4294	2384	73.0
RSC - 200150S	200	150	317	467	228	135	ZCB65B	4253	2105	84.0
RSC - 200300S		300	467	767	228	135	ZCB65B	8506	4210	146.0
RSC - 250150S	250	150	361	511	270	180	ZCB65B	5446	1628	135.0
RSC - 250300S		300	511	811	270	180	ZCB65B	10892	3256	184.0



► HİDROLİK DELİKLİ SİLİNDİRLER (TEK TESİRLİ YAY GERİ DÖNÜŞLÜ) HYDRAULIC CYLINDERS WITH HOLE (SINGLE ACTING, SPRING RETURN)

KOD STOCK CODE	ÇALIŞMA TONAJI CAPACITY (TON)	ÇALIŞMA STROKU STROKE (mm)	KAPALI BOY CLOSED HEIGHT (mm) (A)	AÇIK BOY OPEN HEIGHT (mm) (B)	SİLİNDİR DIŞ ÇAP CYLINDER DIAMETER (mm) (D)	SİLİNDİR PİSTON ÇAP STROKE DIAMETER (mm) (F)	SİLİNDİR PİSTON DELİK ÇAPI CENTER HOLE DIAMETER (mm) (G)	KULLANILAN POMPA MODELİ RECOMMENDED PUMP	YAĞ KAPASİTESİ OIL CAPACITY (cm ³)	AĞIRLIK WEIGHT (Kg)
RCH - 2050	20	50	161	211	98	54	27	CP-700B	146	7.5
RCH - 20100		100	223	323	98	54	27	CP-700B	292	10.0
RCH - 3050	30	50	180	230	114	63	33	CP-700B	239	9.0
RCH - 30100		100	246	346	114	63	33	CP-700B	477	14.5
RCH - 6050	60	50	247	297	158	91	54	CP-700A	402	30.2
RCH - 60100		100	304	404	158	91	54	CP-700A	803	36.2
RCH - 10075	100	75	276	351	212	127	80	CP-700A	1015	57.0

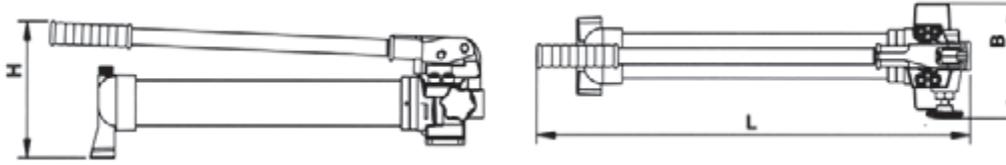


CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS



ŞENOL MAKİNA



► TEK TESİRLİ HİDROLİK POMPA

SINGLE ACTING HYDRAULIC PUMP

KOD STOCK CODE	ÇALIŞMA BASINCI WORKING PRESSURE (BAR)		BİRİM YAĞ GEÇİŞ MİKTARI OIL DISPLACEMENT PER STROKE (cm ³)		YAĞ KAPASİTESİ RESERVIOR (cm ³)		ÖLÇÜLER DIMENSIONS (mm)			AĞIRLIK WEIGHT (Kg)
	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	DÜŞÜK BASINÇ LOW PRESSURE	YÜKSEK BASINÇ HIGH PRES- SURE	YAĞ KAPASİTESİ OIL CAPACITY	KULLANILABİLİR YAĞ KAPASİTESİ USABLE CAPACITY	L	B	H	
CP700B	20	700	13	2.3	1000	700	600	120	240	12.4
CP700A	20	700	13	2.3	2700	2200	715	120	200	16.8
CP700XL	20	700	13	2.3	3600	3000	870	150	300	20
CP1500B	20	1500	13	1.2	2500	2000	580	120	160	7.0





ŞENOL MAKİNA



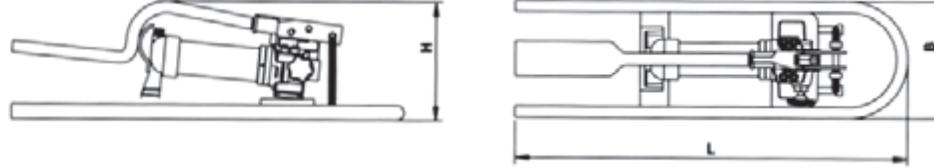
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CERMAX
HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI



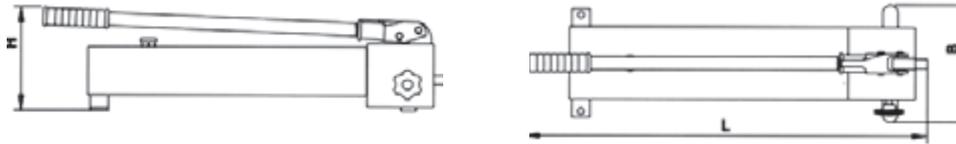
CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► TEK TESİRLİ AYAK PEDALLI HİDROLİK POMPA SINGLE ACTING FOOT OPERATED HYDRAULIC PUMP



KOD STOCK CODE	ÇALIŞMA BASINCI WORKING PRESSURE (BAR)		BİRİM YAĞ GEÇİŞ MİKTARI OIL DISPLACEMENT PER STROKE (cm ³)		YAĞ KAPASİTESİ RESERVUOR (cm ³)		ÖLÇÜLER DIMENSIONS (mm)			PAKET ÖLÇÜLERİ PACKING SIZE (cm)	AĞIRLIK WEIGHT (Kg)
	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	YAĞ KAPASİTESİ OIL CAPACITY	KULLANILABİLİR YAĞ KAPASİTESİ USABLE CAPACITY	L	B	H		
CP-700F	20	700	13	2.3	600	350	550	150	300	62x20x26	13.9

► ÇİFT TESİRLİ HİDROLİK POMPA DOUBLE ACTING HYDRAULIC PUMP



KOD STOCK CODE	ÇALIŞMA BASINCI WORKING PRESSURE (BAR)		BİRİM YAĞ GEÇİŞ MİKTARI OIL DISPLACEMENT PER STROKE (cm ³)		YAĞ KAPASİTESİ RESERVUOR (cm ³)		ÖLÇÜLER DIMENSIONS (mm)			AĞIRLIK WEIGHT (Kg)
	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	YAĞ KAPASİTESİ OIL CAPACITY	KULLANILABİLİR YAĞ KAPASİTESİ USABLE CAPACITY	L	B	H	
CP700	20	700	13	2.3	3500	3000	710	150	275	18.6

CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI

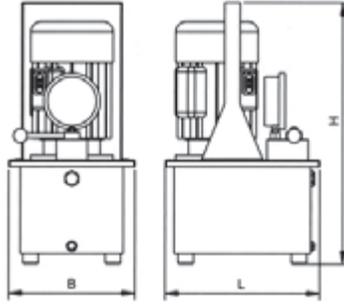
CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► ELEKTRİKLİ TEK TESİRLİ HİDROLİK POMPA

ELECTRICAL SINGLE ACTING HYDRAULIC PUMP



ZCB65

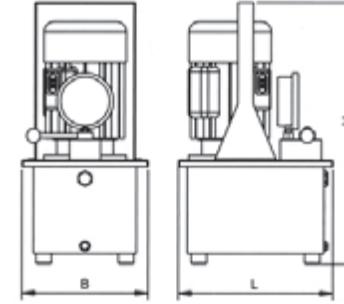


► ELEKTRİKLİ ÇİFT TESİRLİ HİDROLİK POMPA

ELECTRICAL DOUBLE ACTING HYDRAULIC PUMP



ZCB65B



KOD STOCK CODE	GÜÇ POWER (kw)	ÇALIŞMA BASINCI WORKING PRESSURE (BAR)		BİRİM YAĞ GEÇİŞ MİKTARI OIL DISPLACEMENT PER STROKE (lt/min)		YAĞ KAPASİTESİ RESERVIOR (lt)	ÖLÇÜLER DIMENSIONS (mm)			AĞIRLIK WEIGHT (Kg)
		DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE	DÜŞÜK BASINÇ LOW PRES- SURE	YÜKSEK BASINÇ HIGH PRES- SURE		L	B	H	
ZCB65	0.75	20	700	5	0,7	8	305	245	510	22.0
ZCB65B	0.75	20	700	5	0.7	8	305	245	510	26.0
ZCB650	2.2	20	700	10	2.0	35	455	355	660	62.4
ZCB650B	2.2	20	700	10	2.0	35	455	355	660	62.4

► AKÜLÜ, KABLOSUZ HİDROLİK POMPA

CHARGEABLE, CORDLESS HYDRAULIC PUMP



KOD STOCK CODE	ÇALIŞMA BASINCI WORKING PRESSURE (BAR)	YAĞ KAPASİTESİ OIL CAPACITY (ml)	PAKET ÖLÇÜLERİ PACKING DIMENSIONS (cm)	AĞIRLIK WEIGHT (Kg)	AKSESUARLAR ACCESSORIES			
					BATARYA BATTERY	ŞARJ CHAR- GER	YÜKSEK BASINÇ HORTUMU HIGH PRES- SURE HOSE 1.5 MTS	ELDEN KONTROL CİHAZI HAND-HELD PENDANT
CP - 700LD	700 BAR	760	32x32x20	5.5	2	1	1	1



ŞENOL MAKİNA



CERMAX®
HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI



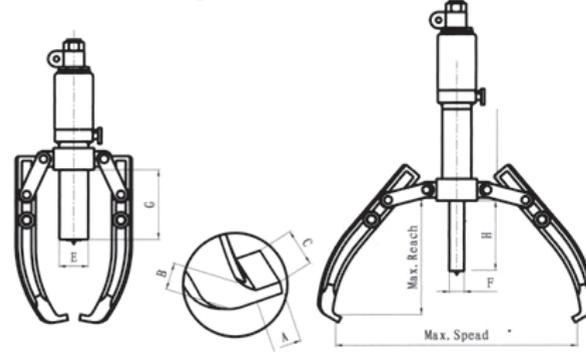


ŞENOL MAKİNA



CERMAX HİDROLİK YÜK KALDIRMA VE ÇEKTİRME EKİPMANLARI CERMAX HYDRAULIC LIFTING AND PULLING EQUIPMENTS

► HİDROLİK RULMAN ÇEKTİRME HYDRAULIC GEAR PULLER



"İki veya üç ayaklı kullanım imkanı"

KOD STOCK CODE	KAPASİTE CAPACITY (Ton)	AYAK AÇIKLIĞI SPREAD (mm)	AYAK DERİNLİĞİ MAX REACH (min)	ÇALIŞMA STROKU STROKE (mm)	ÖLÇÜLER DIMENSIONS (mm)						AĞIRLIK WEIGHT (Kg)
					E	F	G	A	B	C	
HRC5	5	50-200	140	50	45	23	106	12.5	22.5	26	7.6
HRC10	10	50-250	170	60	56	26	97	14	30	30	10.1
HRC20	20	100-350	205	70	78	33	105	21	33.5	33	18.6
HRC30	30	150-400	220	70	90	38	103	26	36	35	24.2

► HİDROLİK BORU BÜKME (TEK TESİRLİ YAY GERİ DÖNÜŞLÜ) HYDRAULIC PIPE BENDER (SINGLE ACTING, SPRING RETURN)



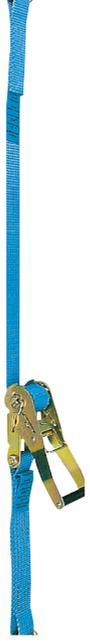
KOD STOCK CODE	KAPASİTE CAPACITY (TON)	ÇALIŞMA STROK WORKING STROKE (mm)	BORU BÜKME ÇAPI PIPE BENDER DIAMETER (mm)	KULLANILAN BÜKME KALIPLARI USED BENDER MOULD	AĞIRLIK WEIGHT (Kg)
SWG-2A	13	250	21.3 - 60	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	48.2
SWG-3B	20	290	21.3 - 88.5	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"	100.5



POLYESTER SAPANLAR WEBBING SLINGS



ŞENOL MAKİNA



► **YÜK BANDI**
RATCHET ASSEMBLY

KOD CODE	RENK COLOUR	KAPASİTE CAPACITY (TON)	UZUNLUK LENGHT (M)
YB 2,5	Mavi	0,50	2,5
YB 4	Mavi	1	4
YB 5,5	Turuncu	2	5,5
YB 10	Turuncu	3	10



POLYESTER SAPANLAR WEBBING SLINGS

► POLYESTER SAPAN WEBBING SLINGS

KOD CODE	GENİŞLİK 6:1 (mm) WIDTH (mm)	GENİŞLİK 7:1 (mm) WIDTH (mm)	EN1492-1 GÖRE RENK KODLARI COLOUR CODES ACC. TO EN1492-1	1 POLYESTER SAPAN İLE ÇALIŞMA YÜK DEĞERLERİ W.L.L FOR SINGLE POLY. SLING					2 POLYESTER SAPAN İLE ÇALIŞMA YÜK DEĞERLERİ W.L.L FOR SINGLE POLY. SLING			
				DÜZ KALDIRMA DIRECT LIFTING	BOĞUMLU KALDIRMA HITCH LIFTING	β			45° DÜZ KALDIRMA D. LIFTING	45° BOĞUMLU KALDIRMA H. LIFTING	45°-60° DÜZ KALDIRMA D. LIFTING	45°-60° BOĞUMLU KALDIRMA H. LIFTING
						0°-7°	7°-45°	45°-60°				
PS1	25	30		1.000	0.800	2.000	1.400	1.000	1.400	1.120	1.000	0.800
PS2	50	60		2.000	1.600	4.000	2.800	2.000	2.800	2.240	2.000	1.600
PS3	75	90		3.000	2.400	6.000	4.200	3.000	4.200	3.360	3.000	2.400
PS4	100	120		4.000	3.200	8.000	5.600	4.000	5.600	4.480	4.000	3.200
PS5	125	150		5.000	4.000	10.000	7.000	5.000	7.000	5.600	5.000	4.000
PS6	150	180		6.000	4.800	12.000	8.400	6.000	8.400	6.720	6.000	4.800
PS8	200	240		8.000	6.400	16.000	11.200	8.000	11.200	8.960	8.000	6.400
PS10	250	300		10.000	8.000	20.000	14.000	10.000	14.000	11.200	10.000	8.000
PS20	300			20.000	16.000	40.000	28.000	20.000	28.000	22.400	20.000	16.000

► SONSUZ POLYESTER SAPAN ROUND WEBBING SLINGS

KOD CODE	RENK COLOUR	EN1492-1 GÖRE RENK KODLARI COLOUR CODES ACC. TO EN1492-1	1 POLYESTER SAPAN İLE ÇALIŞMA YÜK DEĞERLERİ W.L.L FOR SINGLE POLY. SLING						2 POLYESTER SAPAN İLE ÇALIŞMA YÜK DEĞERLERİ W.L.L FOR SINGLE POLY. SLING				
			DÜZ KALDIRMA DIRECT LIFTING	BOĞUMLU KALDIRMA HITCH LIFTING	β				45° DÜZ KALDIRMA D. LIFTING	45° BOĞUMLU KALDIRMA H. LIFTING	45°-60° DÜZ KALDIRMA D. LIFTING	45°-60° BOĞUMLU KALDIRMA H. LIFTING	
					0°-7°	7°-45°	45°-60°	UP TO 45°					45°-60°
SPS1	Mor		1.000	0.800	2.000	1.400	1.000	0.700	0.500	1.400	1.120	1.000	0.800
SPS2	Yeşil		2.000	1.600	4.000	2.800	2.000	1.400	1.000	2.800	2.240	2.000	1.600
SPS3	Sarı		3.000	2.400	6.000	4.200	3.000	2.100	1.500	4.200	3.360	3.000	2.400
SPS4	Gri		4.000	3.200	8.000	5.600	4.000	2.800	2.000	5.600	4.480	4.000	3.200
SPS5	Kırmızı		5.000	4.000	10.000	7.000	5.000	3.500	2.500	7.000	5.600	5.000	4.000
SPS6	Kahverengi		6.000	4.800	12.000	8.400	6.000	4.200	3.000	8.400	6.720	6.000	4.800
SPS8	Mavi		8.000	6.400	16.000	11.200	8.000	5.600	4.000	11.200	8.960	8.000	6.400
SPS10	Turuncu		10.000	8.000	20.000	14.000	10.000	7.000	5.000	14.000	11.200	10.000	8.000
SPS20	Turuncu		20.000	16.000	40.000	28.000	20.000	14.000	10.000	28.000	22.400	20.000	16.000



ŞENOL MAKİNA



CE

NAYLON/KENDİR/POLİPROPİLEN HALATLAR NYLON/FIBER/POLYPROPYLEN/ROPES

► 8 KOLLU POLİPROPİLEN HALATLAR 8 STANDARDS POLYPROPYLEN ROPES

KOD CODE	HALAT ÇAPI ROPE DIAMETER (mm)	ÇEVRE CIRCLE (INCH)	AĞIRLIK / 100 m WEIGHT / 100 m (kg)	KOPMA KUVVETİ BREAKING LOAD (kg)
HBH40	40	5	79.1	28.400
HBH48	48	6	114.5	39.800
HBH56	56	7	156	52.800
HBH64	64	8	203.6	68.200
HBH72	72	9	258	85.800
HBH80	80	10	319	105.600
HBH88	88	11	386	127.600
HBH96	96	12	459	149.600
HBH104	104	138	536	175.600



► 3 KOLLU POLİPROPİLEN HALATLAR 8 STANDARDS POLYPROPYLEN ROPES

KOD CODE	HALAT ÇAPI ROPE DIAMETER (mm)	KOPMA KUVVETİ BREAKING LOAD (kg)	AĞIRLIK / 100 m WEIGHT / 100 m (kg)
NH6	6	27	1.7
NH8	8	45	3
NH10	10	73	4.5
NH12	12	95	6.5
NH14	14	135	9
NH16	16	183	11.5
NH18	18	210	14.8
NH20	20	260	18
NH22	22	330	22
NH24	24	426	26
NH26	26	550	30.5
NH28	28	640	35.5
NH32	32	835	46



► İPEK HALATLAR SILK ROPES

KOD CODE	HALAT ÇAPI ROPE DIAMETER (mm)	KOPMA KUVVETİ BREAKING LOAD (kg)	AĞIRLIK WEIGHT g/m
İH6	6	780	27
İH8	8	1300	45
İH10	10	2200	73
İH12	12	3200	95
İH14	14	4600	135
İH16	16	6500	183
İH18	18	7700	210
İH20	20	8500	260
İH22	22	10200	330
İH24	24	12250	426
İH26	26	14400	550



► DOĞAL LİFLİ HALATLAR NATURAL FIBER ROPES

KOD CODE	HALAT ÇAPI ROPE DIAMETER (mm)	KOPMA KUVVETİ BREAKING LOAD (kg)	AĞIRLIK / 200 m WEIGHT / 200 m (kg)
KH6	6	220	5.30
KH8	8	380	9.40
KH10	10	580	14.70
KH12	12	810	21.10
KH14	14	1070	28.80
KH16	16	1380	37.60
KH18	18	1710	47.60
KH20	20	2090	59.00
KH22	22	2490	71.00
KH24	24	2930	85.00
KH26	26	3390	99.00





ŞENOL MAKİNA



ROPSEN HALAT BASKI MAKİNALARI ve YÜZÜKLER ROPSEN HYDRAULIC SWAGING MACHINES AND FERRULES

CRESCENT 70



CRESCENT 150



CRESCENT 300



► TEKNİK ÖZELLİKLER TECHNICAL DETAILS

MODEL	KONTROL ÜNİTESİ CONTROL UNIT	KAPASİTE CAPACITY	MAKSİMUM STROK MAX. STROKE	HİDROLİK MOTOR GÜCÜ HYDRAULIC ENGINE POWER
C70	PLC Dijital Arayüzü, Otomatik ve Manuel Çalışma Seçeneği PLC Digital System, Automatic and Manuel Working Options	70 Ton	35 mm	3 KW
C150	PLC Dijital Arayüzü, Otomatik ve Manuel Çalışma Seçeneği PLC Digital System, Automatic and Manuel Working Options	150 Ton	45 mm	5,5 KW
C300	PLC Dijital Ara yüzü, Otomatik ve Manuel Çalışma Seçeneği PLC Digital System, Automatic and Manuel Working Options	300 Ton	60 mm	7,5 KW
C600	PLC Dijital Ara yüzü, Otomatik ve Manuel Çalışma Seçeneği PLC Digital System, Automatic and Manuel Working Options	600 Ton	100 mm	11 KW
H1100	PLC Dijital Ara yüzü, Otomatik ve Manuel Çalışma Seçeneği PLC Digital System, Automatic and Manuel Working Options	1100 Ton	145 mm	22 KW

ROPSEN HALAT BASKI MAKİNALARI ve YÜZÜKLER ROPSEN HYDRAULIC SWAGING MACHINES AND FERRULES



ŞENOL MAKİNA

CRESCENT 600

H 1100



► HALAT BASKI YAĞI SPlicing LUBRICANT



YÜKSEK PERFORMANS İÇİN GELİŞTİRİLMİŞ ÖZEL FORMÜL

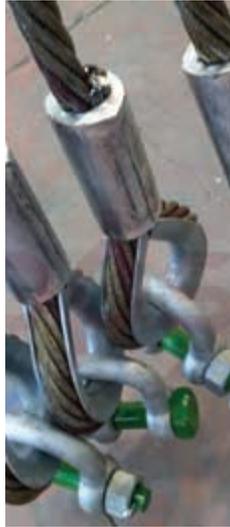
- Kusursuz baskı performansı
- Uzun ürün & kalıp ömrü
- Yüzüklerin yapışmasını önler
- Yapılan testler %20'ye varan daha düşük kuvvetle baskı yapılabildiğini kanıtlamıştır.
- Perfect swaging performance
- Long life time for product and dies
- Avoding the sticking ferrules
- Up to 20% less load to complete swaging operations

HİDROLİK YAĞ KAPASİTESİ HYDRAULIC OIL CAPACITY	AYAK PEDALI FOOT SWITCH	YAKLAŞIK AĞIRLIK WEIGHT (APPROX.)	STANDART YÜZÜK BASKI KALIPLARI EN 13411-3 STANDART FERRULES SWAGING DIES EN 13411-3
45 Lt.	✓	360 Kgs.	2 - 10 mm (2, 3, 4, 5, 6, 8, 10, mm)
58 Lt.	✓	790 Kgs.	2 - 16 mm (2, 3, 4, 5, 6, 8, 10, 12, 14, 16 mm)
75 Lt.	✓	1200 Kgs.	3 - 26 mm (3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26 mm)
400 Lt.	✓	4500 Kgs.	6 - 36 mm (6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36 mm)
600 Lt.	✓	7000 Kgs.	26 - 52 mm (26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 48, 52, mm)

CE



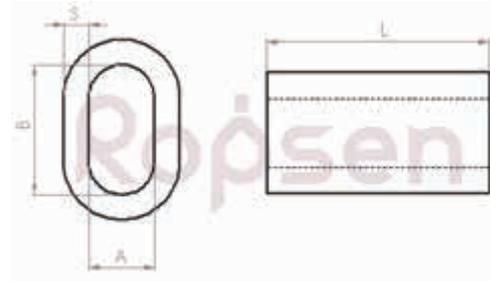
ŞENOL MAKİNA



CE

ROPSEN HALAT BASKI MAKİNALARI ve YÜZÜKLER ROPSEN HYDRAULIC SWAGING MACHINES AND FERRULES

► ALUMİNYUM PRES BASKI YÜZÜKLERİ EN 13411-3 ALUMINIUM FERRULES EN 13411-3

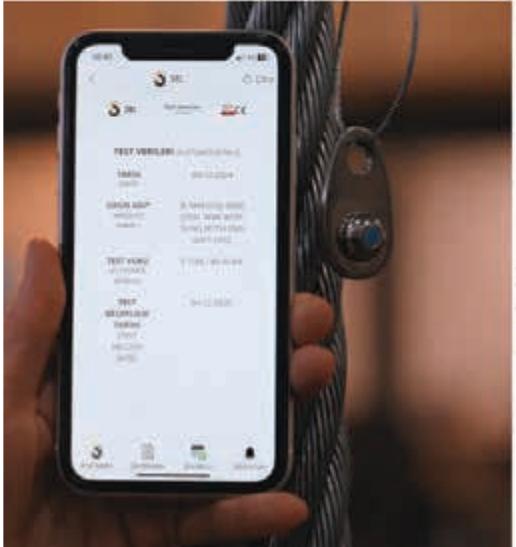


KOD CODE	HALAT ÇAPI Wire Dia (mm)	A (mm)	B (mm)	S (mm)	L (mm)	AĞIRLIK / 100 Adet Weight/100 pcs (kg)
YZK2	2	2,2	4,4	0,85	7	0,037
YZK2,5	2,5	2,7	5,4	1,05	9	0,050
YZK3	3	3,3	6,6	1,25	11	0,084
YZK3,5	3,5	3,8	7,6	1,5	13	0,132
YZK4	4	4,4	8,8	1,7	14	0,18
YZK4,5	4,5	4,9	9,8	1,9	16	0,26
YZK5	5	5,5	11,0	2,1	18	0,36
YZK6	6	6,6	13,2	2,5	21	0,59
YZK6,5	6,5	7,2	14,4	2,7	23	0,75
YZK7	7	7,8	15,6	2,9	25	0,95
YZK8	8	8,8	17,6	3,3	28	1,37
YZK9	9	9,9	19,8	3,7	32	1,98
YZK10	10	10,9	21,8	4,1	35	2,64
YZK11	11	12,1	24,2	4,5	39	3,58
YZK12	12	13,2	26,4	4,9	42	4,58
YZK13	13	14,2	28,4	5,4	46	5,97
YZK14	14	15,3	30,6	5,8	49	7,35
YZK16	16	17,5	35	6,7	56	11,1
YZK18	18	19,6	39,2	7,6	63	15,9
YZK20	20	21,7	43,4	8,4	70	21,7

KOD CODE	HALAT ÇAPI Wire Dia (mm)	A (mm)	B (mm)	S (mm)	L (mm)	AĞIRLIK / 100 Adet Weight/100 pcs (kg)
YZK22	22	24,3	48,6	9,2	77	29,2
YZK24	24	26,4	52,8	10	84	37,6
YZK26	26	28,5	57,0	10,9	91	48
YZK28	28	31,0	62,0	11,7	98	60
YZK30	30	33,1	66,2	12,5	105	74
YZK32	32	35,2	70,4	13,4	112	90
YZK34	34	37,8	75,6	14,2	119	108
YZK36	36	39,8	79,6	15,0	126	128
YZK38	38	41,9	83,8	15,8	133	150
YZK40	40	44,0	88,0	16,6	140	173
YZK42	42	46,2	92,4	17,5	147	202
YZK44	44	48,4	96,8	18,3	154	231
YZK46	46	50,6	101,2	19,2	161	266
YZK48	48	52,8	105,6	20,0	168	301
YZK50	50	55,0	110	20,8	175	340
YZK52	52	57,2	114,4	21,6	182	381
YZK54	54	59,4	118,8	22,5	189	429
YZK56	56	61,6	123,2	23,3	196	477
YZK58	58	63,8	127,6	24,2	203	533
YZK60	60	66,0	132	25	210	588



SNL TEST



YÜK TESTİ & SERTİFİKA TAKİP PROGRAMI

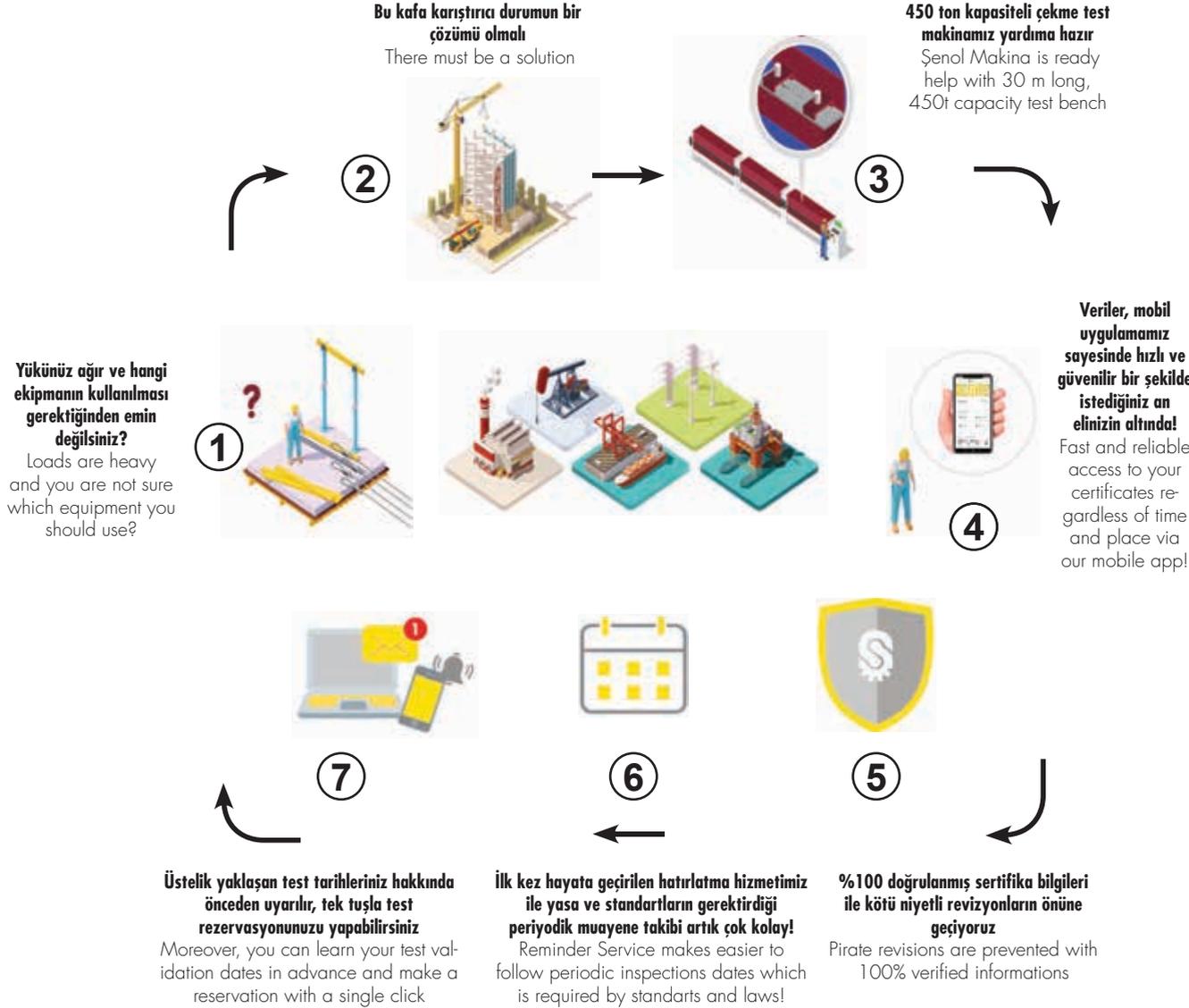
LOAD TEST & CERTIFICATE TRACKING PROGRAM



NFC SERTİFİKA TAKİP SİSTEMİ



NFC SERTİFİKA TAKİP SİSTEMİ NFC CERTIFICATE TRACKING SYSTEM



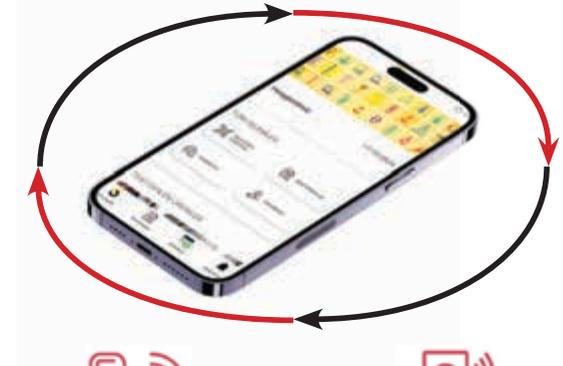
SNLtest Mobil Uygulaması ile
Yük Testi ve Sertifikalandırma İşlemleri Artık Çok Daha Kolay
Load Test And Certification Process Are
Much Easier Now With SNLtest Mobile App



ÇEVİRİMÇİ SERTİFİKA ERİŞİMİ
Online Certificate Access



DOĞRULANMIŞ VERİLER
Approved Informations



TEK TUŞLA TEST REZERVASYONU
Test Reservation With One Click



TEST TARİHİ HATIRLATMA
Test Date Reminder

App Store



Google Play





ŞENOL MAKİNA



ÇEKME TEST MAKİNASI HYDRAULIC TEST BENCH

EN SIK TEST YAPILAN ÜRÜNLER

- Tüm Kaldırma & Taşıma Ekipmanları
- Çelik Halat & Sapanlar
- Zincir & Zincir Sapanlar
- Polyester ve Sentetik Sapanlar
- Sapan Halkaları, Kilitler & Kancalar
- Ceraskallar & Hubzuglar
- Makaralar...

OFTENLY TESTS AS

- All Lifting Equipments
- Steel Wire Ropes & Slings
- Chains & Chain Slings
- Polyester & Synthetic Slings
- Master Link, Shackles & Hooks
- Chain & Lever Blocks
- Rope Pulleys & Snatch Blocks ...



**MAX.
450T
30M**



KAPASİTE Capacity	PİSTON UZUNLUĞU Stroke Length	TEST UZUNLUĞU Test Length	MIN. - MAX. TEST YÜKÜ Min. - Max. Test Load	UZAMA RAPORLAMA ARALIĞI Elongation Period	KAPAK AÇMA VE KAPAMA KONTROLÜ Cover Operation	KONTROL SİSTEMİ Control System	İŞLETİM SİSTEMİ Operation System
450 TON	1500 mm	30 METRE (MAX)	0.1-450 TON	OPSİYONEL (MIN 100 KG) Optional	HİDROLİK Hydraulic	DİJİTAL Digital	PLC KONTROL PLC Control

GENEL ÖZELLİKLER
General Information

PLC Kontroller Sayesinde Uzama Katsayılarını Hesaplayabilme, Çevrimiçi Erişim İmkânı, Dokunmatik Ekran, Anlık Olarak Yük-Uzama ve Yük-Zaman Grafikleri, Test Sonunda Anlık Rapor, TSE Tarafından Yıllık Kalibrasyon.

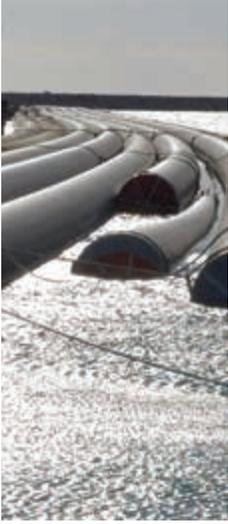
Elongation Calculation, Online Accessibility, Touchscreen Control System, Instantly Load-Elongation And Load-Time Graphs, Report At The End Of The Test Operation. Annual Calibration By TSE.





ŞENOL MAKİNA

REFERANSLAR VE BELGELER REFERENCES AND CERTIFICATES



BOĞAZ KÖPRÜLERİ BÜYÜK BAKIM ONARIMI
MAJOR REPAIRS OF BOSPHORUS AND FSM BRIDGES



YAVUZ SULTAN SELİM KÖPRÜSÜ İNŞAASI
YAVUZ SULTAN SELİM BRIDGE PROJECT



OSMAN GAZİ KÖPRÜSÜ İNŞAASI
OSMAN GAZİ BRIDGE PROJECT



KUZEY MARMARA DOĞALGAZ DEPOLAMA TESİSİ İNŞAASI
NORTHERN MARMARA GAS RESERVOIR FACILITY



İSTANBUL YERALTI ULAŞIM PROJELERİ
İSTANBUL SUBWAY PROJECTS



MILGEM PROJELERİ
MILGEM PROJECTS

REFERANSLAR VE BELGELER REFERENCES AND CERTIFICATES



ŞENOL MAKİNA



AKKUYU NÜKLEER ENERJİ SANTRALİ İNŞAASI
AKKUYU NUCLEER POWER PLANT PROJECT



VIA MARİN TUZLA
VIA MARİN TUZLA



UK ASKERİ HAVA ÜSSÜ
UK AIR CRAFT BASE



TUNUS AMFİ TİYATRO
TUNUSIA AMPHI THEATRE



MEDİNE HAVA LIMANI PROJESİ
MEDİNAH AIRPORT



STADYUM PROJELERİ
STADIUM PROJECTS



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YENIKOY AND KEMERKOY THERMAL POWER PLANTS



TUZ GÖLÜ YERALTI DOĞALGAZ TESİSİ
TUZ GÖLÜ UNDERGROUND NATURAL GAS STORAGE FACILITY



2022 FIFA DÜNYA KUPASI
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KARADENİZ FİLYOS DOĞALGAZ İŞLEME TESİSLERİ
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