

SEGMANCI ALAATTIN

1949



KALİTE BELGELERİMİZ





NOG SEGMAN
Nejdet ERDÖNMEZ
1957-2008

Özlem ve Saygı ile
Anıyoruz...



SEGMANCI ALAATTİN
Alaattin ERDÖNMEZ
1924-1980

TARİHÇEMİZ

1949 yılında Bursa'da Alaattin ERDÖNMEZ tarafından kurulan firmamız, silindir kapak revizyonu ve seygar rektifiye atölyesi olarak faaliyetlerine başlamıştır.

1955 'li yıllarda parkuruna yeni makinalar ekleyip bursa ve çevresine tercih edilen bir firma haline gelmiştir.

1970 yıllarında o zamanın en iyi şartlarıyla kendi ürettiği ve hazır alıp sattığı segman, piston, silindir gömleği gibi malzemelerle bölgesinin lider kuruluşlarından olmuştur.

1980 yılında kurucumuzun Alaattin ERDÖNMEZ'in vefatı üzerine bayrağı devir alan Oğlu Nejdet ERDÖNMEZ tamamıyla yenilikçi bir politikayla mesleğine verdiği önemi ve özveriyi sergileyerek alanında yenilikçi adımlar atmıştır.

1990'lı yıllarda gelişmiş makine parkuru mesleğinde tecrübeli elemanlarıyla yenilikçi fikirleri ve hammadde konusundaki titiz çalışmaları sayesinde kısa bir süre içinde sektördeki yerini almış ve müşteri memnuniyeti odaklı çalışmalarıyla Sektörün lider firmaları arasında yer almayı başarmıştır.

Sergilediği kaliteli hizmet anlayışıyla ürettiği malzeme kalitesi ve sağladığı teknik hizmetlerle kesintisiz müşteri memnuniyeti sağlayan ve bu sayede müşterilerimizden gelen istekler üzerine üretim kapasitesini 600 mm kadar genişletmiştir.

2000 yılın da Nejdet ERDÖNMEZ tarafından NOG PISTON RINGS adıyla üretilen ürünlerde sürekli yenilikleriyle ve yüksek kalitesiyle daha kurumsal bir firma olma yolunda adımlar atmıştır.

2005 yılı itibarıyla uluslararası kalite sertifikası ISO EN 9001 – 2008 alan firmamız. Sürekli büyümeye ve gelişime açık bir yol izleyerek katılmış olduğu fuarlarda üretimi arttırmış ve sektörüne ana tedarikçi olma yolunda hızla büyümeye devam etmektedir.

Günümüzde yüzde yüz yerli sermaye, öz güvenin ve tecrübenin bir arada bulunduğu firmamız 10 mm den 600 mm kadar ürettiği segmanlar otomotiv, kompresör, oto yan sanayi, hidrolik Pres sanayi, gemi ana ve yardımcı makinaları, askeri savunma sanayi, iş makinaları sektörlerine hizmet vermektedir.

'GÜÇ MÜŞTERİ MEMNUNİYETİ İLE DOĞRU ORANTILIYSA...
GÜÇLÜYÜZ...'

COMPANY BIOGRAPHY

Our company, which was established in Bursa in 1949 by Alaattin Erdonmez, began its service as a cylinder gate revision and a portable rectifying workshop.

In 1950s, we added new machines to our workshop and became a favourite company in and around Bursa.

During 1970s, our company became the leader of the region selling materials such as piston ring, piston, and cylinder liner which were either produced in the company with the best conditions of the time or ready bought from other companies.

Upon Alaattin Erdonmez's death in 1980, taking over the charge in hand, his son Nejdet Erdonmez made a stride with a completely reformist policy by presenting the importance and sacrifice he gave to his work.

In 1990s, the company took its place in the sector with its personnel experienced in advanced machinery job and thanks to its reformist ideas and rigorous works on raw material in a very short time and the company achieved to take a place among the leader companies of the sector with its customer-satisfaction-oriented works.

The company, which provided a continuous customer satisfaction with its qualified service understanding and its technical service, extended its production capacity to 600 mm upon the demands of customer.

In 2000, the company made a valuable progress in being a corporate firm with its continuous innovations and high quality in the products which were produced with the name NOG PISTON RINGS by Nejdet Erdonmez.

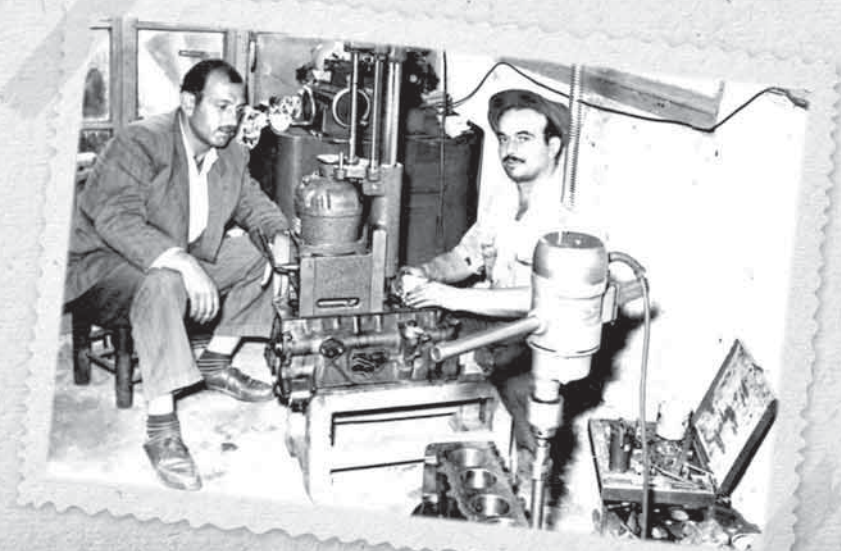
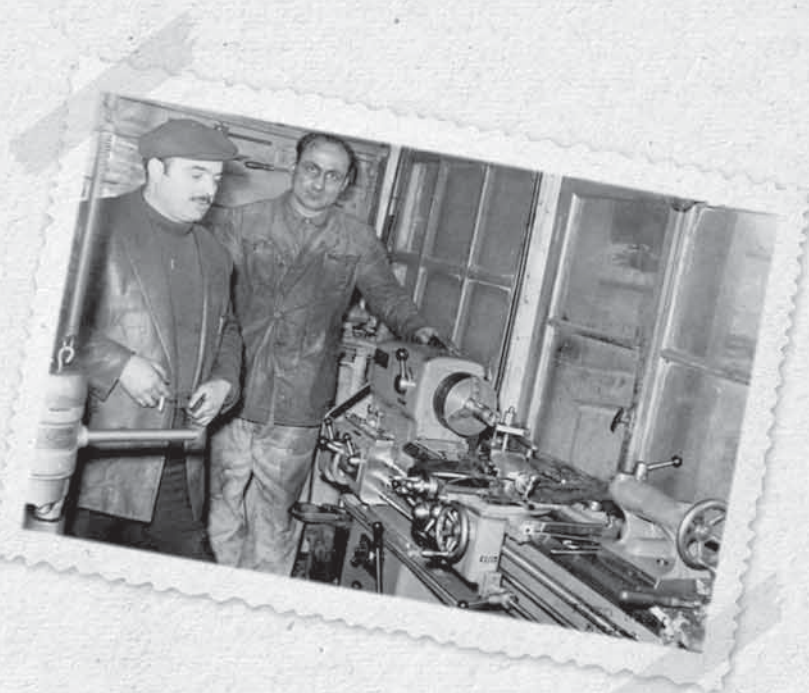
From 2005 on, the company which acquired the international certificate ISO EN 9001-2008, extended the production amount in the fairs during which it followed a way of development and growth and it is still being improved about becoming the main supplier in the sector.

Today, our company, which include a completely domestic capital, self-esteem, and experience all together, offers service to automotive, compressor, automotive supply, hydraulic press, hull machinery, military defence and heavy equipment industries with the piston rings from 10 mm to 600 mm size it produces.

'If the Power Is Directly Proportional With Customer Satisfaction,
We Have The POWER...'

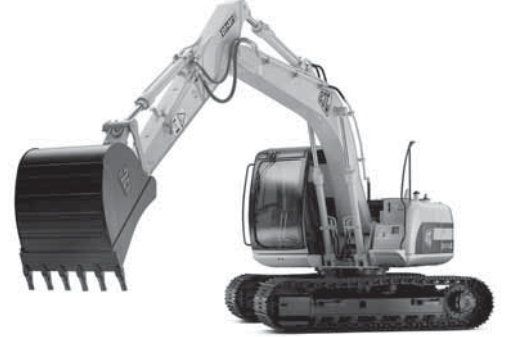
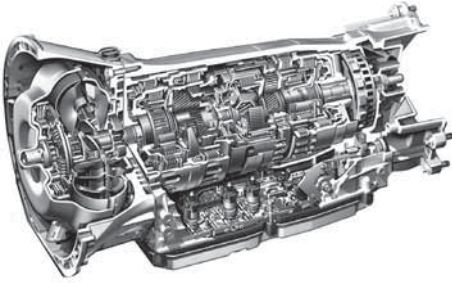
SEGMANCI ALAATTIN

1949



Makina ve Otomotiv Segmanları

RETAINING RINGS



Kilitli Ağız Segman

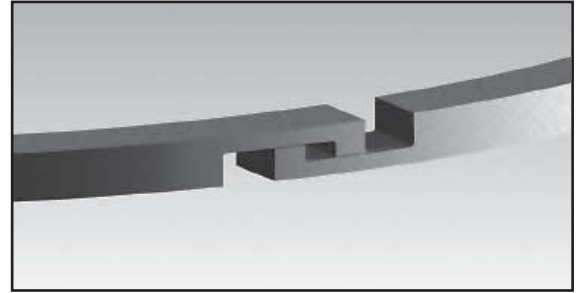
HOOK SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:
Küresel Grafitli Dökme Demir (Esnek)
PTFE - Teflon Malzemeler
Nikel-Tabanlı Alaşımlar
Alaşımlı Dökme Demir
Paslanmaz Çelik
Bronz
Çelik

Production capacity from 20 mm up to 600 mm

Materials:
Cast Iron Piston Rings
Ductile (Nodular) Iron
Ni-Resist
Bronze
PTFE
Stainless Steel
Steel
Peek



Bindirme Ağız Segman

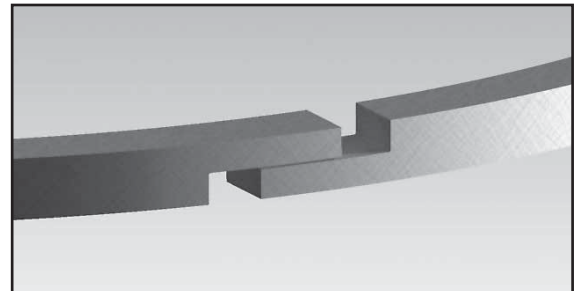
STEP CUT SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:
Küresel Grafitli Dökme Demir (Esnek)
PTFE - Teflon Malzemeler
Nikel-Tabanlı Alaşımlar
Alaşımlı Dökme Demir
Paslanmaz Çelik
Bronz
Çelik

Production capacity from 20 mm up to 600 mm

Materials:
Cast Iron Piston Rings
Ductile (Nodular) Iron
Ni-Resist
Bronze
PTFE
Stainless Steel
Steel
Peek



Çapraz Ağzı Segman

ANGLE CUT SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:

Küresel Grafitli Dökme Demir (Esnek)

PTFE - Teflon Malzemeler

Nikel-Tabanlı Alaşımlar

Alaşımlı Dökme Demir

Paslanmaz Çelik

Bronz

Çelik

Production capacity from 20 mm up to 600 mm

Materials:

Cast Iron Piston Rings

Ductile (Nodular) Iron

Ni-Resist

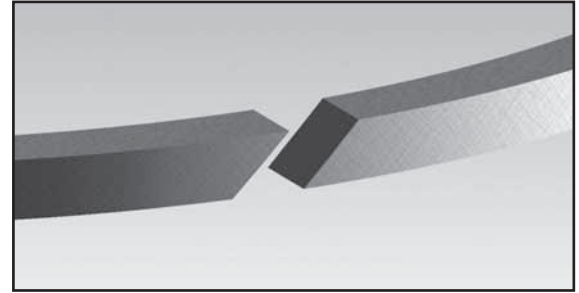
Bronze

PTFE

Stainless Steel

Steel

Peek



Gaz Sızdırmazlık Segmanı

LOK SEAL SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:

Küresel Grafitli Dökme Demir (Esnek)

PTFE - Teflon Malzemeler

Nikel-Tabanlı Alaşımlar

Alaşımlı Dökme Demir

Paslanmaz Çelik

Bronz

Çelik

Production capacity from 20 mm up to 600 mm

Materials:

Cast Iron Piston Rings

Ductile (Nodular) Iron

Ni-Resist

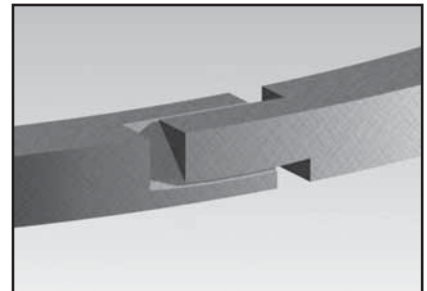
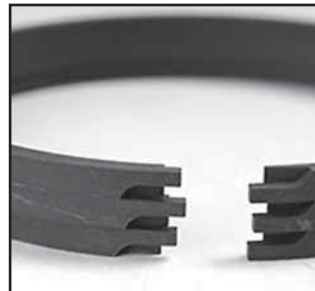
Bronze

PTFE

Stainless Steel

Steel

Peek



Düz Ağız Segman

SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:

Küresel Grafitli Dökme Demir (Esnek)

PTFE - Teflon Malzemeler

Nikel-Tabanlı Alaşımlar

Alaşımlı Dökme Demir

Paslanmaz Çelik

Bronz

Çelik

Production capacity from 20 mm up to 600 mm

Materials:

Cast Iron Piston Rings

Ductile (Nodular) Iron

Ni-Resist

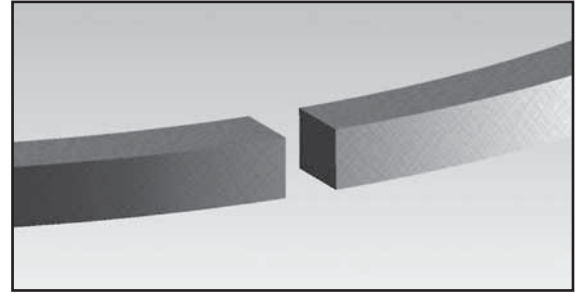
Bronze

PTFE

Stainless Steel

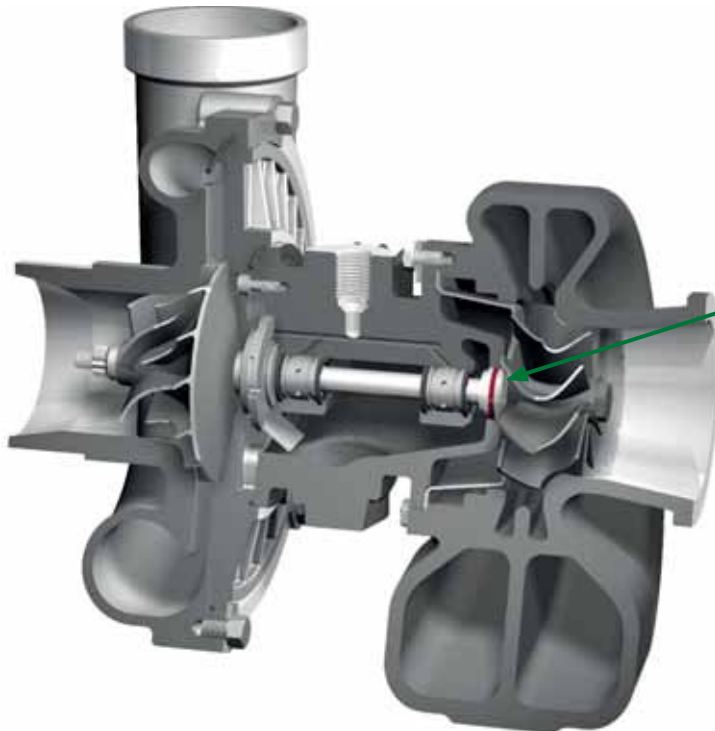
Steel

Peek



Turbo Segmanı

TURBO RINGS



Teflon Segman

PTFE SEALING RINGS

20 mm'den 600 mm'ye kadar üretim kapasitesi

Malzemeler:
Bronz PTFE (Teflon)
Karbon PTFE (Teflon)

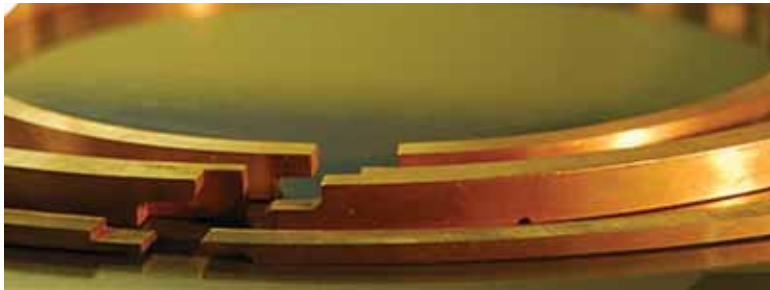
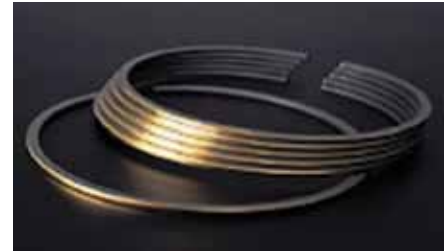
Production capacity from 20 mm up to 600 mm

Materials:
Bronze PTFE
Carbon PTFE



Bronz Segman

BRONZE SEALING RINGS



20 mm'den 600 mm'ye kadar üretim kapasitesi

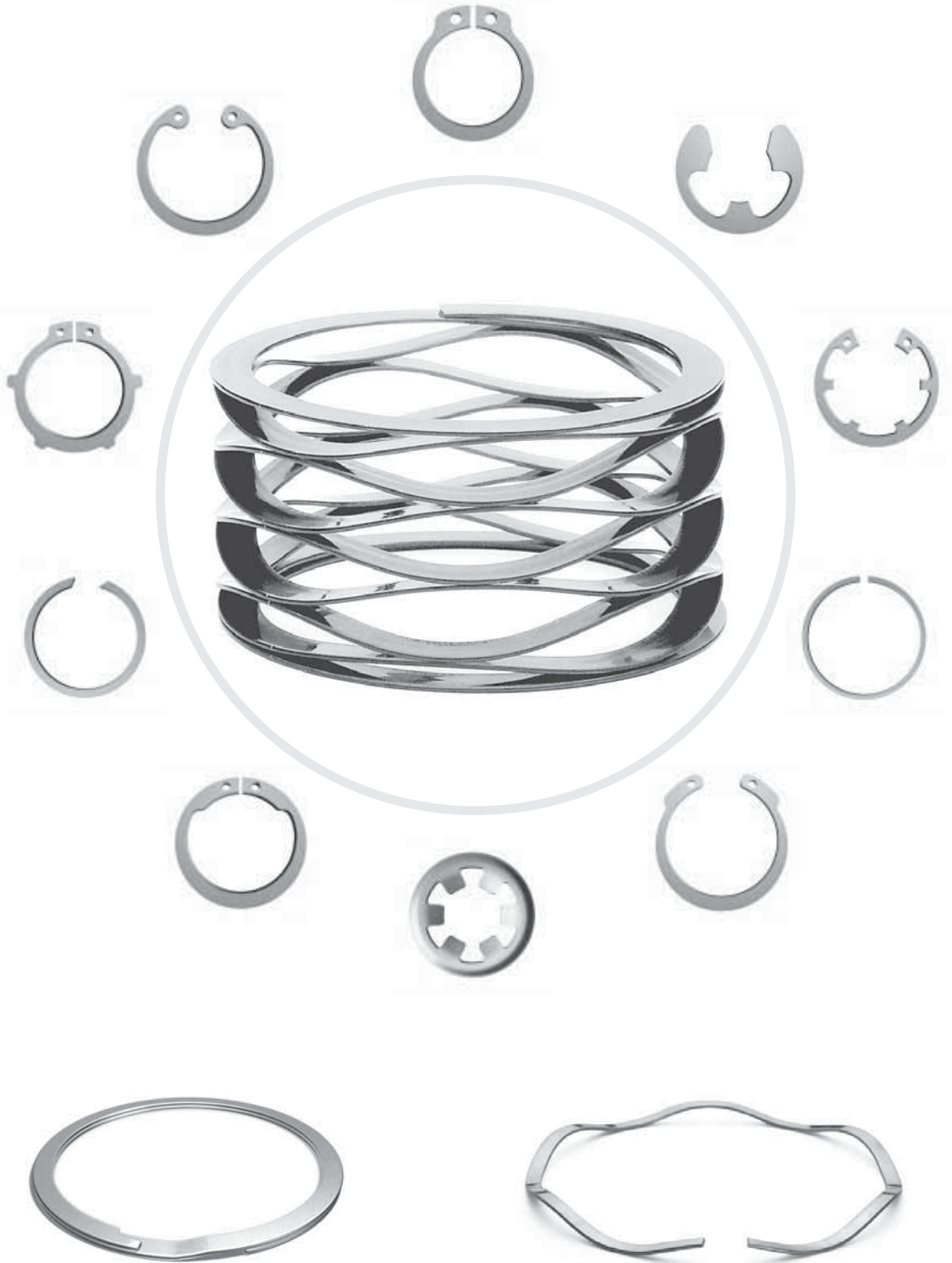
Malzemeler:
Bronz

Production capacity from 20 mm up to 600 mm

Materials:
Bronze

Emniyet Segmanları

RETAINING RINGS



Özel Yaylar

SPECIAL SPRINGS



AYNI
ALANDA
x2
PERFORMANS

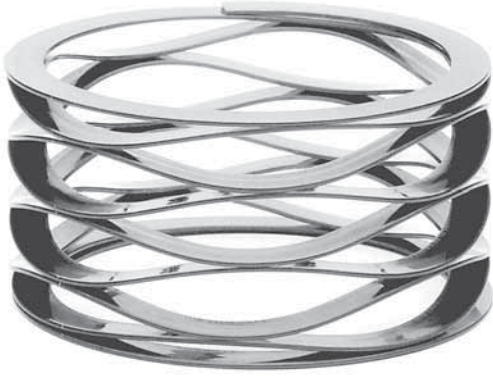


DAR
ALANLARDA
50%
TASARRUF

Basit sorunlara yenilikçi çözümler
Innovative solutions to simple problems

Özel Yaylar

SPECIAL SPRINGS



10 mm'den 250 mm'ye kadar üretim kapasitesi

Malzemeler:
Karbon Çelik
Paslanmaz Çelik

Production capacity from 10 mm up to 250 mm

Materials:
Carbon Steel
Stainles Steel

10 mm'den 250 mm'ye kadar üretim kapasitesi

Malzemeler:
Karbon Çelik
Paslanmaz Çelik

Production capacity from 10 mm up to 250 mm

Materials:
Carbon Steel
Stainles Steel



10 mm'den 250 mm'ye kadar üretim kapasitesi

Malzemeler:
Karbon Çelik
Paslanmaz Çelik

Production capacity from 10 mm up to 250 mm

Materials:
Carbon Steel
Stainles Steel



Farklı Uygulamalar

DIFFERENT APPLICATIONS



■ Pinomatik Uygulamalar
Pneumatic Fitting



■ El Aletleri
Ratchet Wrench



■ Bağlantı Elemanları
Fasteners




Teknik Ölçüler

TECHNICAL INFORMATION

DIN 471								DIN 472							
d1	d3	s	d2	d1	d3	s	d2	d1	d3	s	d2	d1	d3	s	d2
4	3.7	0.40	3.8	67	62.5	2.5	64.0	8	8.7	0.80	8.4	75	79.5	2.5	78.0
5	4.7	0.60	4.8	68	63.5	2.5	65.0	9	9.8	0.80	9.4	80	85.5	2.5	83.5
6	5.6	0.70	5.7	70	65.5	2.5	67.0	10	10.8	1.00	10.4	82	87.5	2.5	85.5
7	6.5	0.80	6.7	72	67.5	2.5	69.0	11	11.8	1.00	11.4	85	90.5	3.0	88.5
8	7.4	0.80	7.6	75	70.5	2.5	72.0	12	13.0	1.00	12.5	90	95.5	3.0	93.5
9	8.4	1.00	8.6	80	74.5	2.5	76.5	13	14.1	1.00	13.6	92	97.5	3.0	95.5
10	9.3	1.00	9.6	82	76.5	2.5	78.5	14	15.1	1.00	14.6	95	100.5	3.0	98.5
11	10.2	1.00	10.5	85	79.5	3.0	81.5	15	16.2	1.00	15.7	100	105.5	3.0	103.5
12	11.0	1.00	11.5	90	84.5	3.0	86.5	16	17.3	1.00	16.8	102	108.0	4.0	106.0
13	11.9	1.00	12.4	92	86.5	3.0	88.5	17	18.3	1.00	17.8	105	112.0	4.0	109.0
14	12.9	1.00	13.4	95	89.5	3.0	91.5	18	19.5	1.00	19.0	108	115.0	4.0	111.0
15	13.8	1.00	14.3	100	94.5	3.0	96.5	19	20.5	1.00	20.0	110	117.0	4.0	114.0
16	14.7	1.00	15.2	102	95.0	4.0	98.0	20	21.5	1.00	21.0	115	122.0	4.0	119.0
17	15.7	1.00	16.2	105	98.0	4.0	101.0	21	22.5	1.00	22.0	120	127.0	4.0	124.0
18	16.5	1.20	17.0	108	100.0	4.0	104.0	22	23.5	1.00	23.0	125	132.0	4.0	129.0
19	17.5	1.20	18.0	110	103.0	4.0	106.0	23	24.6	1.20	24.1	130	137.0	4.0	134.0
20	18.5	1.20	19.0	115	108.0	4.0	111.0	24	25.9	1.20	25.2	135	142.0	4.0	139.0
21	19.5	1.20	20.0	120	113.0	4.0	116.0	25	26.9	1.20	26.2	140	147.0	4.0	144.0
22	20.5	1.20	21.0	125	118.0	4.0	121.0	26	27.9	1.20	27.2	145	152.0	4.0	149.0
23	21.5	1.20	22.0	130	123.0	4.0	126.0	27	29.1	1.20	28.4	150	158.0	4.0	155.0
24	22.2	1.20	22.9	135	128.0	4.0	131.0	28	30.1	1.20	29.4	155	164.0	4.0	160.0
25	23.2	1.20	23.9	140	133.0	4.0	136.0	29	31.1	1.20	30.4	160	169.0	4.0	165.0
26	24.2	1.20	24.9	145	138.0	4.0	141.0	30	32.1	1.20	31.4	165	174.5	4.0	170.0
27	24.9	1.20	25.6	150	142.0	4.0	145.0	31	33.4	1.20	32.7	170	179.5	4.0	175.0
28	25.9	1.50	26.6	155	146.0	4.0	150.0	32	34.4	1.20	33.7	175	184.5	4.0	180.0
29	26.9	1.50	27.6	160	151.0	4.0	155.0	33	35.5	1.20	34.7	180	189.5	4.0	185.0
30	27.9	1.50	28.6	165	155.5	4.0	160.0	34	36.5	1.50	35.7	190	199.5	4.0	195.0
31	28.6	1.50	29.3	170	160.5	4.0	165.0	35	37.8	1.50	37.0	200	209.5	4.0	205.0
32	29.6	1.50	30.3	180	170.5	4.0	175.0	36	38.8	1.50	38.0	210	222.0	5.0	214.0
33	30.5	1.50	31.3	190	180.5	4.0	185.0	37	39.8	1.50	39.0	215	227.0	5.0	221.0
34	31.5	1.50	32.3	200	190.5	4.0	195.0	38	40.8	1.50	40.0	220	232.0	5.0	224.0
35	32.2	1.50	33.0	210	198.0	5.0	204.0	39	42.0	1.50	41.0	225	237.0	5.0	231.0
36	33.2	1.75	34.0	215	203.0	5.0	209.0	40	43.5	1.75	42.5	230	242.0	5.0	236.0
37	34.2	1.75	35.0	220	208.0	5.0	214.0	41	44.5	1.75	43.5	235	247.0	5.0	241.0
38	35.2	1.75	36.0	225	213.0	5.0	219.0	42	45.5	1.75	44.5	240	252.0	5.0	246.0
39	36.0	1.75	37.0	230	218.0	5.0	224.0	44	47.5	1.75	46.5	245	257.0	5.0	251.0
40	36.5	1.75	37.5	235	223.0	5.0	229.0	45	48.5	1.75	47.5	250	262.0	5.0	256.0
41	37.5	1.75	38.5	240	228.0	5.0	234.0	46	49.5	1.75	48.5	255	270.0	5.0	263.0
42	38.5	1.75	39.5	245	233.0	5.0	239.0	47	50.5	1.75	49.5	260	275.0	5.0	266.0
44	40.5	1.75	41.5	250	238.0	5.0	244.0	48	51.5	1.75	50.5	265	280.0	5.0	273.0
45	41.5	1.75	42.5	255	240.0	5.0	247.0	50	54.2	2.00	53.0	270	285.0	5.0	276.0
46	42.5	1.75	43.5	260	245.0	5.0	252.0	52	56.2	2.00	55.0	275	290.0	5.0	283.0
47	43.5	1.75	44.5	265	250.0	5.0	257.0	53	57.2	2.00	56.0	280	295.0	5.0	286.0
48	44.5	1.75	45.5	270	255.0	5.0	262.0	55	59.2	2.00	58.0	285	300.0	5.0	295.0
50	45.8	2.00	47.0	275	260.0	5.0	267.0	56	60.2	2.00	59.0	290	305.0	5.0	296.0
52	47.8	2.00	49.0	280	265.0	5.0	272.0	57	61.2	2.00	60.0	300	315.0	5.0	308.0
54	49.8	2.00	51.0	285	270.0	5.0	277.0	58	62.2	2.00	61.0	310	327.0	6.0	320.0
55	50.8	2.00	52.0	290	275.0	5.0	282.0	60	64.2	2.00	63.0	320	337.0	6.0	330.0
56	51.8	2.00	53.0	295	280.0	5.0	287.0	62	66.2	2.00	65.0	330	347.0	6.0	340.0
57	52.8	2.00	54.0	300	285.0	5.0	292.0	63	67.2	2.00	66.0	340	357.0	6.0	350.0
58	53.8	2.00	55.0	310	293.0	6.0	300.0	65	69.2	2.50	68.0	350	367.0	6.0	360.0
60	55.8	2.00	57.0	320	303.0	6.0	310.0	67	71.5	2.50	70.0	360	377.0	6.0	370.0
62	57.8	2.00	59.0	330	313.0	6.0	320.0	68	72.5	2.50	71.0	370	387.0	6.0	380.0
63	58.8	2.00	60.0	340	323.0	6.0	330.0	70	74.5	2.50	73.0	380	397.0	6.0	390.0
65	60.8	2.50	62.0	350	333.0	6.0	340.0	72	76.5	2.50	75.0	400	417.0	6.0	410.0


Teknik Ölçüler

TECHNICAL INFORMATION




DIN 6799 AY SEGMANI

Ölçü	d ₃	a	s
1.5	4.25	1.28	0.40
1.9	4.80	1.61	0.50
2.3	6.30	1.94	0.60
3.2	7.30	2.70	0.60
4	9.30	3.34	0.70
5	11.30	4.11	0.70
6	12.30	5.26	0.70
7	14.30	5.84	0.90
8	16.30	6.52	1.00
9	18.80	7.63	1.10
10	20.40	8.32	1.20
12	23.40	10.45	1.30
15	29.40	12.61	1.50
19	37.60	15.92	1.75
24	44.60	21.88	2.00
30	52.60	25.80	2.50



G SEGMAN

d ₁	d ₃	b	a	s
6	5.70	2.4	3.2	1.00
8	7.70	3.0	3.5	1.00
9	8.65	3.3	4.7	1.20
11	10.60	4.2	4.8	1.20
12	11.60	4.6	4.8	1.20
13	12.55	5.0	5.3	1.20
15	14.50	5.6	5.1	1.50
16	15.40	5.8	5.6	1.50
17	16.35	6.2	6.0	1.75



H SEGMAN

d ₁	d ₃	d ₄	s
3	2.18	3.98	0.40
4	3.00	5.00	0.40
5	3.80	6.20	0.60
6	4.80	7.40	0.70
7	5.80	8.60	0.80
8	6.80	10.00	0.80
9	7.80	11.20	1.00
10	8.75	12.15	1.00
11	9.65	13.20	1.00
12	10.55	14.35	1.00
13	11.40	15.40	1.00
14	12.30	16.30	1.00
15	13.20	17.40	1.00
16	14.10	18.50	1.00
17	14.90	19.40	1.00
18	15.80	20.40	1.20
19	16.70	21.50	1.20
20	17.55	22.65	1.20
22	19.40	25.00	1.20
23	20.20	26.00	1.20
24	21.10	27.10	1.20
25	22.00	28.30	1.20
26	22.90	29.40	1.20
28	24.60	31.60	1.50
30	26.30	33.70	1.50
32	28.10	36.10	1.50
35	30.80	39.40	1.50
40	35.20	45.00	1.75
42	37.00	47.20	1.75
45	39.60	50.60	1.75
48	42.30	54.10	1.75
50	44.00	56.40	2.00

Teknik Ölçüler

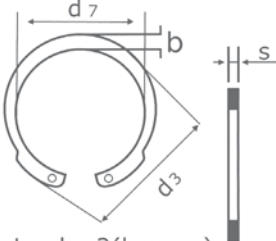
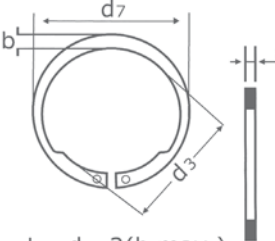
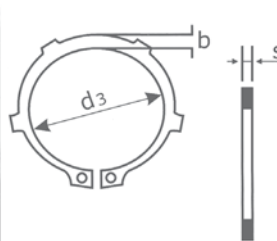
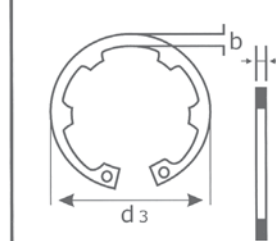
TECHNICAL INFORMATION

JV

AV

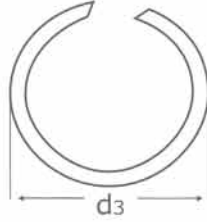
DIN 983

DIN 984

JV				AV				DIN 983				DIN 984			
															
$d_3 = d_7 + 2(b \text{ max.})$				$d_3 = d_7 - 2(b \text{ max.})$											
d1	d3	s	b≈	d1	d3	s	b≈	d1	d3	s	b≈	d1	d3	s	b≈
10	10.9	0.60	1.5	10	9.2	0.60	1.8	16	14.7	1.00	2.3	16	17.3	1.00	2.1
12	13.1	0.60	1.8	12	11.0	1.00	2.1	17	15.7	1.00	2.4	17	18.3	1.00	2.2
15	16.1	0.80	2.0	13	11.9	1.00	2.1	18	16.5	1.20	2.5	18	19.5	1.00	2.3
16	17.3	1.00	2.1	14	12.9	1.00	2.1	19	17.5	1.20	2.6	19	20.5	1.00	2.3
17	18.3	1.00	2.1	15	13.8	1.00	2.2	20	18.5	1.20	2.6	20	21.5	1.00	2.4
18	19.5	1.00	2.2	16	14.7	1.00	2.3	22	20.5	1.20	2.8	21	22.5	1.00	2.4
19	20.5	1.00	2.2	17	15.7	1.00	2.4	23	21.5	1.20	2.9	22	23.5	1.00	2.6
20	21.5	1.00	2.3	18	16.5	1.20	2.6	24	22.2	1.20	3.0	23	24.6	1.20	2.6
21	22.5	1.00	2.4	20	18.5	1.20	2.8	25	23.2	1.20	3.0	24	25.9	1.20	2.6
22	23.5	1.00	2.4	21	19.4	1.20	2.8	26	24.2	1.20	3.1	25	26.9	1.20	2.8
24	25.9	1.20	2.8	22	20.5	1.20	3.0	28	25.9	1.50	3.3	26	28.5	1.20	2.8
25	26.9	1.20	2.8	23	21.5	1.20	3.1	29	26.9	1.50	3.4	27	29.1	1.20	2.9
26	27.9	1.20	3.0	24	22.2	1.20	3.2	30	27.9	1.50	3.4	28	30.1	1.20	3.0
27	29.1	1.20	3.0	25	23.2	1.20	3.4	32	29.6	1.50	3.6	30	32.1	1.20	3.2
28	30.1	1.20	3.1	26	24.2	1.20	3.5	34	31.5	1.50	3.8	32	34.4	1.20	3.3
30	32.1	1.20	3.2	28	25.9	1.50	3.8	35	32.2	1.50	3.8	34	36.5	1.50	3.4
32	34.4	1.20	3.3	30	27.9	1.50	3.9	38	35.2	1.75	4.1	35	37.8	1.50	3.6
33	35.5	1.20	3.3	32	29.6	1.50	4.0	40	36.5	1.75	4.2	36	38.8	1.50	3.6
35	37.8	1.50	3.4	34	31.5	1.50	3.5	42	38.5	1.75	4.5	38	40.8	1.50	3.8
36	38.8	1.50	3.6	35	32.2	1.50	4.2	45	41.5	1.75	4.6	40	43.5	1.75	4.0
38	40.8	1.50	3.8	38	34.5	1.50	4.5	47	43.5	1.75	4.8	42	45.5	1.75	4.1
40	43.5	1.75	4.2	40	36.5	1.75	4.7	48	44.5	1.75	4.9	44	47.5	1.75	4.2
42	45.5	1.75	4.2	42	38.5	1.75	4.7	50	45.8	2.00	5.0	45	48.5	1.75	4.3
45	48.5	1.75	4.2	45	41.5	1.75	4.7	55	50.8	2.00	5.4	47	50.5	1.75	4.5
47	50.5	1.75	4.7	47	43.5	1.75	5.0	57	52.8	2.00	5.6	48	51.5	1.75	4.5
48	51.5	1.75	4.7	48	44.5	1.75	5.2	58	53.8	2.00	5.7	50	54.2	2.00	4.7
50	54.2	2.00	5.2	50	45.8	2.00	5.2	60	55.8	2.00	5.8	52	56.2	2.00	4.7
52	56.2	2.00	5.2	55	50.8	2.00	5.8	62	57.8	2.00	5.9	55	59.2	2.00	5.1
55	59.2	2.00	5.2	58	53.8	2.00	5.8	65	60.8	2.50	6.2	57	61.2	2.00	5.2
57	61.2	2.00	5.2	60	55.8	2.00	5.8	67	62.5	2.50	6.4	58	62.2	2.00	5.3
58	62.2	2.00	5.2	65	60.8	2.50	6.0	68	63.5	2.50	6.5	60	64.2	2.00	5.5
60	64.2	2.00	5.2	70	65.5	2.50	6.5	70	65.5	2.50	6.6	62	66.2	2.00	5.6
62	66.2	2.00	5.2	72	67.5	2.50	6.5	75	70.5	2.50	7.0	65	69.2	2.50	5.8
65	69.2	2.50	5.7	75	70.5	2.50	6.5	80	74.5	2.50	7.4	68	72.5	2.50	6.1
67	71.5	2.50	5.7	80	74.5	2.50	7.0	85	79.5	3.00	7.8	70	74.5	2.50	6.2
68	72.5	2.50	5.7	82	76.5	2.50	7.0	90	84.5	3.00	8.2	72	76.5	2.50	6.4
72	76.5	2.50	6.0	85	79.5	3.00	7.4	95	89.5	3.00	8.6	75	79.5	2.50	6.6
80	85.5	2.50	6.0	87	81.5	3.00	7.4	100	94.5	3.00	9.0	80	85.5	2.50	7.0
85	90.5	3.00	6.6	90	84.5	3.00	7.4					85	90.5	3.00	7.4
90	95.5	3.00	6.6	95	89.5	3.00	8.0					90	95.5	3.00	7.7
95	100.5	3.00	7.4	100	94.5	3.00	8.0					95	100.5	3.00	8.1
100	105.5	3.00	7.4									100	105.5	3.00	8.5

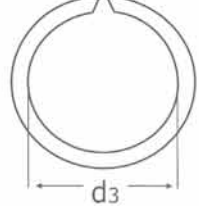
Teknik Ölçüler

TECHNICAL INFORMATION



**SB (Delik İçi)
SEGMANLAR**

$d_1 \geq 40\text{mm}$



**SW (Mil Üstü)
SEGMANLAR**

d1	d3 (Min.)	s	d1	d3 (Min.)	s	d1	d3 (Min.)	s	d1	d3 (Min.)	s	d1	d3 (Max.)	s	d1	d3 (Max.)	s	d1	d3 (Max.)	s
7	7.5	0.8	42	43.8	1.5	92	95.0	2.5	173	177.3	2.5	4	3.7	0.5	45	42.8	1.5	170	165.7	2.5
8	8.5	0.8	43	44.8	1.5	93	96.0	2.5	175	179.3	2.5	5	4.7	0.5	47	44.8	1.5	175	170.7	2.5
9	9.5	0.8	44	45.8	1.5	95	98.0	2.5	180	184.5	2.5	6	5.6	0.7	48	45.8	1.5	180	175.2	3.0
10	10.6	0.8	45	46.8	1.5	97	100.0	2.5	183	187.5	2.5	7	6.5	0.7	50	47.8	1.5	185	180.2	3.0
11	11.6	1.0	46	47.8	1.5	98	101.0	2.5	190	194.9	3.0	8	7.4	1.0	52	49.8	1.5	190	185.1	3.0
12	12.7	1.0	47	48.8	1.5	100	103.0	2.5	195	199.9	3.0	9	8.4	1.0	55	52.6	1.5	195	190.1	3.0
13	13.8	1.0	48	49.8	1.5	102	105.3	2.5	200	205.0	3.0	10	9.4	1.0	58	55.6	1.5	200	196.0	3.0
14	14.8	1.0	50	51.8	1.5	103	106.3	2.5	205	210.0	3.0	11	10.2	1.0	60	57.6	1.5	210	204.9	3.0
15	15.8	1.0	52	54.3	1.5	105	108.3	2.5	210	215.1	3.0	12	11.2	1.0	63	60.6	1.5	220	214.8	3.0
16	16.8	1.2	53	55.3	1.5	107	110.3	2.5	215	220.1	3.0	13	12.2	1.0	65	62.6	1.5	225	219.8	3.0
17	17.8	1.2	55	57.3	1.5	108	111.3	2.5	220	225.2	3.0	14	13.1	1.2	68	65.4	2.0	230	224.7	3.0
18	18.9	1.2	57	59.3	1.5	110	113.4	2.5	225	230.2	3.0	15	14.0	1.2	70	67.4	2.0	240	234.6	3.0
19	19.9	1.2	58	60.3	1.5	112	115.4	2.5	230	235.3	3.0	16	15.0	1.2	72	69.4	2.0	250	244.5	3.0
20	21.0	1.2	60	62.3	1.5	113	116.4	2.5	240	245.4	3.0	17	16.0	1.2	73	70.4	2.0	260	252.4	4.0
21	22.0	1.2	62	64.3	1.5	115	118.4	2.5	250	255.5	3.0	18	17.0	1.2	75	72.4	2.0	265	257.4	4.0
22	23.0	1.2	63	65.3	1.5	117	120.4	2.5	260	267.6	4.0	19	17.9	1.2	80	77.4	2.0	270	262.3	4.0
23	24.0	1.2	65	67.3	1.5	118	121.4	2.5	270	277.7	4.0	20	18.7	1.2	85	82.0	2.5	280	272.2	4.0
24	25.2	1.2	68	70.3	1.5	120	123.5	2.5	280	287.8	4.0	21	19.7	1.2	90	87.0	2.5	285	277.2	4.0
25	26.2	1.2	70	72.3	1.5	123	126.5	2.5	290	297.9	4.0	22	20.7	1.2	95	92.0	2.5	290	282.1	4.0
26	27.2	1.2	72	74.6	2.0	125	128.5	2.5	300	307.9	4.0	24	22.5	1.2	100	97.0	2.5	300	292.1	4.0
27	28.2	1.2	73	75.6	2.0	127	130.5	2.5	310	318.0	4.0	25	23.5	1.2	105	101.7	2.5	305	297.1	4.0
28	29.2	1.2	74	76.6	2.0	130	133.6	2.5	320	328.1	4.0	26	24.5	1.2	110	106.6	2.5	310	302.0	4.0
29	30.2	1.2	76	78.6	2.0	133	136.6	2.5	325	333.1	4.0	27	25.5	1.5	115	111.6	2.5	320	311.9	4.0
30	31.4	1.5	78	80.6	2.0	135	138.6	2.5	330	338.2	4.0	28	26.5	1.5	120	116.5	2.5	330	321.8	4.0
31	32.4	1.5	79	81.6	2.0	137	140.6	2.5	340	348.3	4.0	29	27.5	1.5	125	121.4	2.5	340	331.7	4.0
32	33.4	1.5	80	82.6	2.0	140	144.0	2.5	350	358.4	4.0	30	28.5	1.5	130	126.4	2.5	350	341.6	4.0
33	34.4	1.5	81	83.6	2.0	143	147.0	2.5	355	363.4	4.0	32	30.2	1.5	135	131.1	2.5	360	351.5	4.0
34	35.4	1.5	82	84.6	2.0	150	154.1	2.5	360	368.5	4.0	35	33.2	1.5	140	136.0	2.5	370	361.5	4.0
35	36.4	1.5	83	85.6	2.0	153	157.1	2.5	370	378.5	4.0	37	35.2	1.5	145	141.0	2.5	380	371.4	4.0
37	38.8	1.5	85	87.6	2.0	160	164.2	2.5	375	383.5	4.0	38	36.2	1.5	150	145.9	2.5	390	381.3	4.0
38	39.8	1.5	86	88.6	2.0	163	167.2	2.5	380	388.6	4.0	40	37.8	1.5	155	150.9	2.5	400	391.2	4.0
39	40.8	1.5	88	91.0	2.5	165	169.2	2.5	390	398.7	4.0	42	39.8	1.5	160	155.8	2.5	420	410.0	4.5
40	41.8	1.5	90	93.0	2.5	170	174.3	2.5	400	408.9	4.0	43	40.8	1.5	165	160.8	2.5	460	449.5	4.5

Teknik Ölçüler

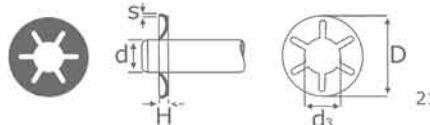
TECHNICAL INFORMATION

DIN 471(AS) KALIN				DIN 472 (JS) KALIN				DIN 7993 TEL SEGMAN				DIN 5417(SP)							
d1	d3	s	d2	d1	d3	s	d2	d1	d3	d7	e	d1	d3	d7	e	D	d3	s	b
12	11.0	1.50	11.5	20	21.5	1.50	21.0	4	3.1	0.8	1.0	7	7.9	0.8	4.0	30	27.4	1.12	3.25
15	13.8	1.50	14.3	24	25.9	1.50	25.2	5	4.1	0.8	1.0	8	8.9	0.8	4.0	32	29.4	1.12	3.25
16	14.7	1.50	15.2	25	26.9	1.50	26.2	6	5.1	0.8	1.0	10	10.9	0.8	4.0	35	32.4	1.12	3.25
17	15.7	1.50	16.2	26	27.9	1.50	27.2	7	6.1	0.8	2.0	12	13.2	1.0	6.0	37	34.0	1.12	3.25
18	16.5	1.50	17.0	27	29.1	1.50	28.4	8	7.1	0.8	2.0	14	15.2	1.0	6.0	40	37.3	1.12	3.25
19	17.5	1.50	18.0	28	30.1	1.50	29.4	10	9.1	0.8	2.0	16	17.8	1.6	8.0	42	38.9	1.12	3.25
20	18.5	1.75	19.0	30	32.1	1.50	31.4	12	10.8	1.0	3.0	18	19.8	1.6	8.0	44	40.9	1.12	3.25
22	20.5	1.75	21.0	32	34.4	1.50	33.7	14	12.8	1.0	3.0	20	22.3	2.0	10.0	47	43.7	1.12	4.04
25	23.2	2.00	23.9	35	37.8	1.75	37.0	16	14.2	1.6	3.0	22	24.3	2.0	10.0	50	46.6	1.12	4.04
30	27.9	2.00	28.6	38	40.8	1.75	40.0	18	16.2	1.6	3.0	24	26.3	2.0	10.0	52	48.8	1.12	4.04
32	29.6	2.00	30.3	40	43.5	2.00	42.5	20	17.7	2.0	3.0	25	27.3	2.0	10.0	55	51.7	1.12	4.04
34	31.5	2.50	32.3	42	45.5	2.00	44.5	22	19.7	2.0	3.0	26	28.3	2.0	10.0	56	52.4	1.12	4.04
35	32.2	2.50	33.0	45	48.5	2.20	47.5	24	21.7	2.0	3.0	28	30.3	2.0	10.0	58	54.4	1.12	4.04
36	33.0	2.50	33.8	47	50.5	2.00	49.5	25	22.7	2.0	3.0	30	32.3	2.0	10.0	62	58.2	1.70	4.04
38	35.2	2.50	36.0	50	54.2	2.50	53.0	26	23.7	2.0	3.0	32	34.9	2.5	12.0	65	61.2	1.70	4.04
40	36.5	2.50	37.5	52	56.2	2.50	55.0	28	25.7	2.0	3.0	35	37.9	2.5	12.0	68	63.4	1.70	4.85
42	38.5	2.50	39.5	55	59.2	2.50	58.0	30	27.7	2.0	3.0	38	40.9	2.5	12.0	72	67.4	1.70	4.85
44	40.5	2.50	41.5	60	64.2	3.00	63.0	32	29.1	2.5	4.0	40	42.9	2.5	12.0	75	70.4	1.70	4.85
45	41.5	2.50	42.5	62	66.2	3.00	65.0	35	32.1	2.5	4.0	42	45.0	2.5	16.0	80	75.4	1.70	4.85
48	44.5	2.50	45.5	65	69.2	3.00	68.0	38	35.1	2.5	4.0	45	48.8	2.5	16.0	85	80.4	1.70	4.85
50	45.8	3.00	47.0	68	72.5	3.00	71.0	40	37.1	2.5	4.0	48	51.0	2.5	16.0	90	85.4	2.46	4.85
52	47.8	3.00	49.0	70	74.5	3.00	73.0	42	39.0	2.5	4.0	50	53.0	2.5	16.0	95	90.4	2.46	4.85
55	50.8	3.00	52.0	75	79.5	3.00	78.0	45	42.0	2.5	4.0	55	58.9	3.2	20.0	100	95.2	2.46	4.85
58	53.8	3.00	55.0	80	85.5	4.00	83.5	48	45.0	2.5	4.0	60	63.9	3.2	20.0	110	105.2	2.46	4.85
60	55.8	3.00	57.0	85	90.5	4.00	88.5	50	47.0	2.5	4.0	65	68.9	3.2	20.0	115	110.2	2.46	4.85
65	60.8	4.00	62.0	90	95.5	4.00	93.5	55	51.1	3.2	4.0	70	74.0	3.2	25.0	120	113.6	2.82	7.21
70	65.5	4.00	67.0	95	100.5	4.00	98.5	60	56.1	3.2	4.0	75	79.0	3.2	25.0	125	118.6	2.82	7.21
75	70.5	4.00	72.0	100	105.5	4.00	103.5	65	61.1	3.2	4.0	80	84.0	3.2	25.0	130	123.6	2.82	7.21
80	74.5	4.00	76.5					70	66.0	3.2	5.0	85	89.0	3.2	25.0	140	133.0	2.82	7.21
85	79.5	4.00	81.5					75	71.0	3.2	5.0	90	94.0	3.2	25.0	145	138.0	2.82	7.21
90	84.5	4.00	86.5					80	76.0	3.2	5.0	95	99.0	3.2	25.0	150	142.9	2.82	7.21
95	89.5	4.00	91.5					85	81.0	3.2	5.0	100	104.2	3.2	32.0	160	152.9	2.82	7.21
100	94.5	4.00	96.5					90	86.0	3.2	5.0	105	109.2	3.2	32.0	170	161.3	3.10	9.60
								95	91.0	3.2	5.0	110	114.2	3.2	32.0	180	171.2	3.10	9.60
								100	95.8	3.2	5.0	115	119.2	3.2	32.0	190	181.0	3.10	9.60
								105	100.8	3.2	5.0	120	124.2	3.2	32.0	200	191.0	3.10	9.60
								110	105.8	3.2	5.0	125	129.2	3.2	32.0	210	200.9	3.10	9.60
																215	205.9	3.10	9.60
																225	214.3	3.50	10.00
																230	219.2	3.50	10.00
																240	229.2	3.50	10.00
																250	239.2	3.50	10.00
																260	247.5	3.50	10.00
																270	257.5	3.50	10.00
																280	267.5	3.50	10.00

Teknik Ölçüler

TECHNICAL INFORMATION

KD TIRNAKLI SEGMAN



Ölçü	3	4	4	5	5	6	7	8	10	10	12	12
D	11.30	11.30	15.00	11.00	15.00	15.00	15.00	15.00	18.00	21.00	21.00	25.00
d1	2.65	3.65	3.65	4.65	4.65	5.65	6.65	7.65	9.65	9.65	11.65	11.65
S	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
H	1.50	1.20	1.50	1.20	1.50	1.50	1.50	1.50	1.60	1.60	2.10	2.10

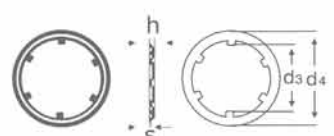
ZJ DELİK İÇİ TIRNAKLI SEGMAN



Ölçü	8	10	12	14	15	16	17	18	19	20
d 3	4.00	5.00	6.00	8.00	9.00	10.00	11.00	10.50	11.00	11.00
d 4	8.25	10.20	12.25	14.25	15.25	16.30	17.30	18.30	20.20	20.35
s	0.25	0.25	0.25	0.30	0.30	0.30	0.30	0.40	0.50	0.40

Ölçü	22	25	26	28	30	32	35	40	45	46
d 3	13.00	16.00	17.00	19.00	21.00	22.50	25.00	30.00	35.00	36.00
d 4	22.35	25.35	26.40	28.40	30.40	32.40	35.40	40.40	45.40	46.50
s	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

ZA TIRNAKLI SEGMAN



Ölçü	1.5	2	3	3.5	4	5	6	7	8	9	10	12	14
d 3	1.40	1.85	2.80	3.30	3.80	4.80	5.80	6.80	7.75	8.75	9.75	11.70	13.70
d 4	6.00	6.50	8.00	8.20	9.00	10.00	11.00	12.00	13.00	14.00	16.00	18.00	20.50
s	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.30	0.30	0.30	0.30

Ölçü	15	16	17	18	19	20	22	23	25	28	30	35	45
d 3	14.60	15.00	16.60	17.60	18.60	19.50	21.50	22.50	24.50	27.50	29.50	34.50	44.50
d 4	23.00	24.50	26.00	27.00	28.00	29.00	31.00	31.50	34.00	37.00	40.00	46.00	60.00
s	0.50	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

SPN TIRNAKLI SEGMAN



Ölçü	1.2	1.5	2	2.4	3	4	5	6	8	10	12
d 3	1.10	1.40	1.90	2.30	2.90	3.90	4.90	5.90	7.90	9.90	11.9
d 4	4.50	5.20	6.00	7.00	10.0	12.0	14.0	16.0	17.5	21.0	27.0
s	0.25	0.25	0.25	0.25	0.30	0.30	0.40	0.40	0.50	0.70	0.90
h	0.60	0.65	0.70	0.80	1.30	1.40	1.55	1.75	1.80	2.20	2.80

KP KAPAKLI TIRNAKLI SEGMAN




Ölçü	2	2.5	3	4	5	6	7	8	9	10	11	12	14
D	12.00	7.50	12.00	16.00	16.00	16.00	16.00	16.00	22.00	22.00	22.00	22.00	22.00
d	1.65	2.15	2.65	3.65	4.65	5.65	6.65	7.65	8.65	9.65	10.65	11.65	13.65
H	4.50	3.00	4.50	6.00	6.00	6.00	6.00	6.50	7.00	7.00	7.00	7.00	7.00
R	5	4	6	6	6	6	6	6	6	6	6	6	6

KMS TIRNAKLI SEGMAN



Ölçü	2	2.5	3	4	5	6	7	8	10
D	7.00	8.50	9.50	10.00	11.00	12.50	14.00	15.50	18.50
F	1.80	2.25	2.70	3.65	4.65	5.65	6.60	7.60	9.55
S	0.25	0.25	0.25	0.30	0.30	0.40	0.40	0.40	0.40
H	0.70	0.70	0.70	0.75	0.75	0.90	0.90	0.90	1.00


KS TIRNAKLI SEGMAN



Ölçü	1.5	2	2.5	3	3.5	4	5	6	7	8	9	10
d 3	1.30	1.80	2.30	2.80	3.25	3.75	4.75	5.75	6.75	7.75	8.75	9.75
d 4	6.00	7.00	8.25	10.00	11.50	13.00	15.00	16.50	18.00	19.50	21.00	22.00
s	0.25	0.30	0.30	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.80
h	1.20	1.30	1.50	2.00	2.00	2.40	2.70	2.60	2.90	2.80	3.00	3.00


Teknik Ölçüler

TECHNICAL INFORMATION



DIN 6798 J TIRTILLI PUL

Ölçü	2	3	3.5	4	5	5	6	7	8	8
d 1	2.2	3.2	3.7	4.3	5.1	5.3	6.4	7.4	8.2	8.4
d 2	4.5	6.0	7.0	8.0	9.0	10.0	11.0	12.5	14.0	15.0
s	0.3	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.8
Ölçü	10	12	14	16	18	20	22	24	27	30
d 1	10.5	13.0	15.0	17.0	19.0	21.0	23.0	25.0	28.0	31.0
d 2	18.0	20.5	24.0	26.0	30.0	33.0	36.0	38.0	44.0	48.0
s	0.9	1.0	1.1	1.2	1.4	1.4	1.5	1.5	1.6	1.6



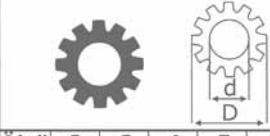
DIN 6798 A TIRTILLI PUL

Ölçü	2	3	3.5	4	5	5	6	7	8	8
d 1	2.2	3.2	3.7	4.3	5.1	5.3	6.4	7.4	8.2	8.4
d 2	4.5	6.0	7.0	8.0	9.0	10.0	11.0	12.5	14.0	15.0
s	0.3	0.4	0.5	0.5	0.5	0.6	0.7	0.5	0.8	0.8
Ölçü	10	12	14	16	18	20	22	24	27	30
d 1	10.5	13.0	15.0	17.0	19.0	21.0	23.0	25.0	28.0	31.0
d 2	18.0	20.5	24.0	26.0	30.0	33.0	36.0	38.0	44.0	48.0
s	0.9	1.0	1.0	1.2	1.4	1.4	1.5	1.5	1.6	1.6



A.E.T. INBUS RONDELASI

Ölçü	d1	d2	h max.	s
3	3.20	5.50	0.90	0.40
4	4.30	7.00	1.00	0.50
5	5.30	8.50	1.10	0.60
6	6.40	10.00	1.20	0.70
8	8.40	13.00	1.40	0.80
10	10.50	16.00	1.60	1.00
12	13.00	18.00	1.70	1.00
14	15.00	21.00	2.00	1.20
16	17.00	24.00	2.10	1.20
18	19.00	27.00	2.30	1.50
20	21.00	30.00	2.40	1.50
22	23.00	33.00	2.50	1.50
24	25.60	36.00	2.70	1.80
27	28.60	39.00	2.90	2.00
30	31.60	45.00	3.20	2.00




DIN 6797

Ölçü	2	3	4	5	6	8	10	12	14	16	18	20	22	24
D	4.80	6.50	8.50	10.00	11.00	15.00	18.00	21.00	23.00	26.00	29.00	32.00	35.00	38.00
d	2.20	3.20	4.30	5.30	6.40	8.40	10.50	12.50	14.50	16.50	19.00	21.00	23.00	25.00
h	0.60	0.90	1.20	1.20	1.20	1.60	1.80	2.00	2.00	2.40	2.40	2.80	2.80	3.20
s	0.30	0.45	0.60	0.60	0.60	0.80	0.90	1.00	1.00	1.20	1.20	1.40	1.40	1.60



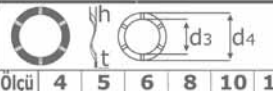
DIN 2093 ÇANAK PUL

Ölçü	8	10	12	14	16	18	20	22	25	28	30	35	40
d	8.2	10.2	12.2	14.2	16.3	18.3	20.4	22.4	25.4	28.5	31.0	36.0	41.0
D	16.0	20.0	25.0	28.0	31.5	35.5	40.0	45.0	50.0	56.0	63.0	71.0	80.0
s	0.9	1.1	1.5	1.5	1.8	2.0	2.3	2.5	3.0	3.0	3.5	4.0	5.0




BY BASKI RONDELASI

Ölçü	Rulman Delik Çapı	d3	d4	t	h	Kullanılabilir Diğer Rulman Ölçüleri				
626	19.00	12.70	18.10	0.20	2.50	698	607	626	635	
608	22.00	14.50	21.00	0.20	2.40	6900	608	627	636	
629	26.00	18.60	24.60	0.20	3.50		6000	629	637	
6001	28.00	20.90	26.90	0.25	3.00	6902	6001		638	
6200	30.00	22.00	28.50	0.25	4.10	6903		6200	639	
6201	32.00	23.50	30.50	0.25	4.00		6002	6201		
6202	35.00	26.40	33.90	0.30	3.50		6003	6202	6300	
6203	40.00	29.80	38.30	0.30	5.00			6203		
6303	47.00	33.70	45.50	0.30	5.00	6906	6005	6204	6303	
6304	52.00	37.50	49.00	0.30	8.00			6205	6304	
6305	62.00	47.20	60.20	0.40	6.50	6908	6007	6206	6305	6403
6306	72.00	55.00	70.50	0.45	7.00	6910		6207	6306	6404
6307	80.00	61.30	77.80	0.45	8.50	6911	6010	6208	6307	6405
6308	90.00	69.00	88.50	0.60	7.00	6913	6011	6210	6308	6406
6309	100.00	79.30	98.80	0.70	6.50	6914	6013	6211	6309	6407




WW BASKI RONDELASI

Ölçü	4	5	6	8	10	12	14	16	18	20	23
d 3	4.3	5.4	6.4	8.5	10.5	12.5	14.5	16.7	18.7	20.7	23.5
d 4	8.0	9.0	11.0	12.5	14.5	17.0	20.0	22.5	26.0	29.1	31.0
t	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
h	1.5	1.5	1.5	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.5



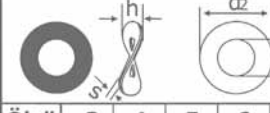
DIN 6798 V TIRTILLI PUL

Ölçü	3	4	5	6	8	10	12	14	16
d 1	3.2	4.3	5.3	6.4	8.4	10.5	13.0	15.0	17.0
d 2	6.0	8.0	9.8	11.8	15.3	19.0	23.0	26.2	30.2
s	0.2	0.25	0.3	0.4	0.4	0.5	0.5	0.6	0.6



DIN 137 A ONDULE PUL

Ölçü	2	3	3.5	4	5	6	7	8	10
d 1	2.2	3.2	3.7	4.3	5.3	6.4	7.4	8.4	10.5
d 2	4.5	6.0	7.0	8.0	10.0	11.0	12.0	15.0	18.0
s	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.8
h(max)	1.0	1.3	1.4	1.6	1.8	2.2	2.4	3.4	4.0



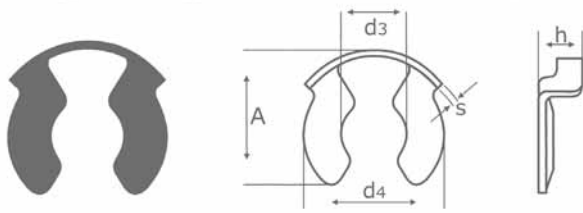
DIN 137 B ONDULE PUL

Ölçü	3	4	5	6	7	8	10	12	14	16	18	20	22
d 1	3.2	4.3	5.3	6.4	7.4	8.4	10.5	13.0	15.0	17.0	19.0	21.0	23.0
d 2	8.0	9.0	11.0	12.0	14.0	15.0	21.0	24.0	28.0	30.0	34.0	36.0	40.0
s	0.5	0.5	0.5	0.5	0.8	0.8	1.0	1.2	1.6	1.6	1.6	1.6	1.8
h(max)	1.6	2.0	2.2	2.6	3.0	3.0	4.2	5.0	6.0	6.4	6.6	7.4	7.8

Teknik Ölçüler

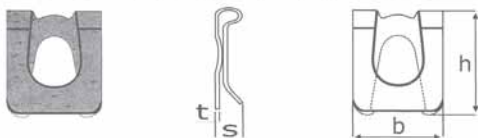
TECHNICAL INFORMATION

STS KLİPS



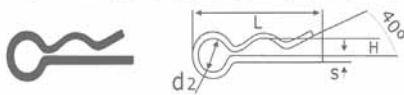
Ölçü	Mil Çapı		S	d3	A
	Min.	Max.			
2.3	3	3.5	0.4	1.9	4.8
3.2	4	5	0.4	2.8	7.0
4	5	6	0.5	3.6	8.4
5	6	8	0.5	4.6	11.2
6	8	9	0.5	5.6	11.8
7	9	10	0.6	6.5	13.3
8	10	12	0.6	7.5	15.7
9	12	14	0.6	8.5	17.5
10	14	16	0.7	9.5	20.0
12	16	20	0.8	11.0	23.5

U KLİPS



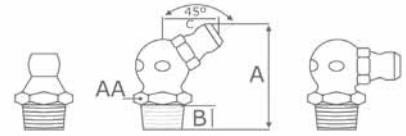
d	4	5	6	8	10	12	14	16
b	7	9	11	14	18	22	25	28
h	8.5	10.8	12.8	16.5	22	25.5	30	34
s≈	2.2	2.8	3.3	4	5.3	5.5	6.5	7
t	0.30	0.35	0.4	0.45	0.5	0.5	0.5	0.6

FİRKETE



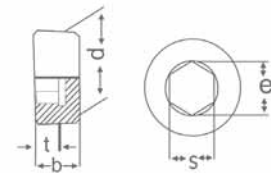
D	4	5	6	8	10	12	14	16
L	16.3	17.9	21.2	27.7	32.6	35.8	40.6	43.8
d 2	3.0	3.0	3.6	4.8	5.4	5.4	6.0	6.0
s	1.0	1.0	1.2	1.6	1.8	1.8	2.0	2.0
H	1.2	1.2	1.5	1.9	2.2	2.2	2.4	2.4

METRİK ve WITHWORTH GRESÖRLÜK



Ölçü	AA	A	B	C
6x1	7	13.5	4.6	
6x1x45°	9	22.5	5.5	8.9
6x1x90°	9	17.5	5.5	10.7
8x1	9	15.0	5.8	
8x1x45°	9	22.5	5.5	8.9
8x1x90°	9	17.5	5.5	10.7
10x1	11	15.2	5.9	
10x1x45°	11	23.5	5.5	9.7
10x1x90°	11	19.0	5.5	11.9
1/4	7	12.4	3.8	
1/4x45°	9.5	22.4	5.1	8.9
1/4x90°	9.5	17.5	5.1	10.7
5x16	9	15.0	5.8	
5x16x45°	9.5	22.4	5.1	8.9
5x16x90°	9.5	17.5	5.1	10.7
1/8	11	15.7	6.4	
1/8x45°	11	25.0	6.9	9.7
1/8x90°	11	20.8	6.9	11.9
3/8	19	29.0	14.0	
3/8x45°	19	36.0	14.0	10.5
3/8x90°	19	31.0	14.0	13.5

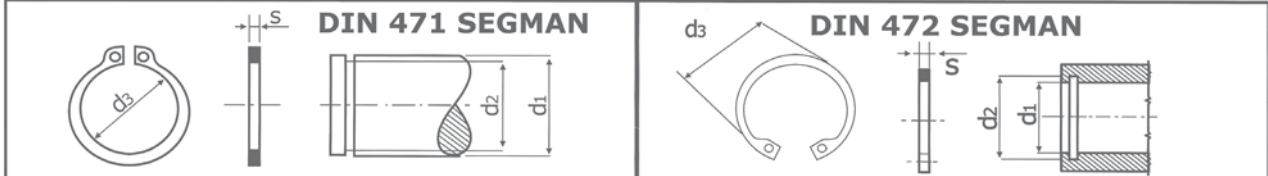
DIN 906 KONİK TAPA



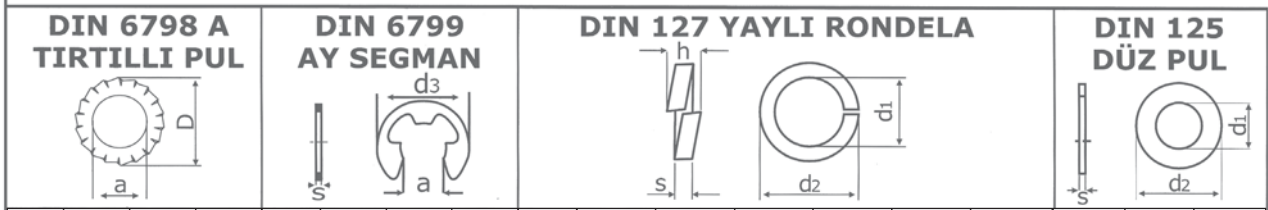
Ölçü	d	b	s	e	t min.
M8x1	8	4	4.60	4	4
M10x1	8	5	5.70	4	4
M12x1.5	10	6	6.90	5	5
M14x1.5	10	7	8.00	5	5
M16x1.5	10	8	9.20	5	5
M18x1.5	10	8	9.20	5	5
M20x1.5	10	10	11.40	5	5

Paslanmaz Segmanlar

STAINLESS STEEL RINGS

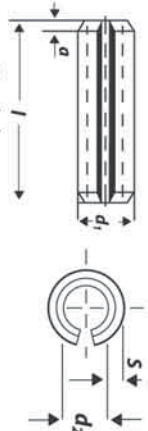


d1	d3	s	d2	d1	d3	s	d2	d1	d3	s	d2	d1	d3	s	d2
4	3.7	0.40	3.8	35	32.2	1.50	33.0	8	8.7	0.80	8.4	39	42.0	1.50	41.0
5	4.7	0.60	4.8	36	33.2	1.75	34.0	9	9.8	0.80	9.4	40	43.5	1.75	42.5
6	5.6	0.70	5.7	37	34.2	1.75	35.0	10	10.8	1.00	10.4	41	44.5	1.75	43.5
7	6.5	0.80	6.7	38	35.2	1.75	36.0	11	11.8	1.00	11.4	42	45.5	1.75	44.5
8	7.4	0.80	7.6	39	36.0	1.75	37.0	12	13.0	1.00	12.5	44	47.5	1.75	46.5
9	8.4	1.00	8.6	40	36.5	1.75	37.5	13	14.1	1.00	13.6	45	48.5	1.75	47.5
10	9.3	1.00	9.6	41	37.5	1.75	38.5	14	15.1	1.00	14.6	46	49.5	1.75	48.5
11	10.2	1.00	10.5	42	38.5	1.75	39.5	15	16.2	1.00	15.7	47	50.5	1.75	49.5
12	11.0	1.00	11.5	44	40.5	1.75	41.5	16	17.3	1.00	16.8	48	51.5	1.75	50.5
13	11.9	1.00	12.4	45	41.5	1.75	42.5	17	18.3	1.00	17.8	50	54.2	2.00	53.0
14	12.9	1.00	13.4	46	42.5	1.75	43.5	18	19.5	1.00	19.0	52	56.2	2.00	55.0
15	13.8	1.00	14.3	47	43.5	1.75	44.5	19	20.5	1.00	20.0	53	57.2	2.00	56.0
16	14.7	1.00	15.2	48	44.5	1.75	45.5	20	21.5	1.00	21.0	55	59.2	2.00	58.0
17	15.7	1.00	16.2	50	45.8	2.00	47.0	21	22.5	1.00	22.0	56	60.2	2.00	59.0
18	16.5	1.20	17.0	52	47.8	2.00	49.0	22	23.5	1.00	23.0	57	61.2	2.00	60.0
19	17.5	1.20	18.0	55	50.8	2.00	52.0	23	24.6	1.20	24.1	58	62.2	2.00	61.0
20	18.5	1.20	19.0	56	51.8	2.00	53.0	24	25.9	1.20	25.2	60	64.2	2.00	63.0
21	19.5	1.20	20.0	57	52.8	2.00	54.0	25	26.9	1.20	26.2	62	66.2	2.00	65.0
22	20.5	1.20	21.0	58	53.8	2.00	55.0	26	27.9	1.20	27.2	63	67.2	2.00	66.0
23	21.5	1.20	22.0	60	55.8	2.00	57.0	27	29.1	1.20	28.4	65	69.2	2.50	68.0
24	22.2	1.20	22.9	62	57.8	2.00	59.0	28	30.1	1.20	29.4	67	71.5	2.50	70.0
25	23.2	1.20	23.9	65	60.8	2.50	62.0	29	31.1	1.20	30.4	68	72.5	2.50	71.0
26	24.2	1.20	24.9	68	63.5	2.50	65.0	30	32.1	1.20	31.4	70	74.5	2.50	73.0
27	24.9	1.20	25.6	70	65.5	2.50	67.0	31	33.4	1.20	32.7	72	76.5	2.50	75.0
28	25.9	1.50	26.6	72	67.5	2.50	69.0	32	34.4	1.20	33.7	75	79.5	2.50	78.0
29	26.9	1.50	27.6	75	70.5	2.50	72.0	33	35.5	1.20	34.7	80	85.5	2.50	83.5
30	27.9	1.50	28.6	80	74.5	2.50	76.5	34	36.5	1.50	35.7	82	87.5	2.50	85.5
31	28.6	1.50	29.3	85	79.5	3.00	81.5	35	37.8	1.50	37.0	85	90.5	3.00	88.5
32	29.6	1.50	30.3	90	84.5	3.00	86.5	36	38.8	1.50	38.0	90	95.5	3.00	93.5
33	30.5	1.50	31.3	95	89.5	3.00	91.5	37	39.8	1.50	39.0	95	100.5	3.00	98.5
34	31.5	1.50	32.3	100	94.5	3.00	96.5	38	40.8	1.50	40.0	100	105.5	3.00	103.5



MM	a	D	s	d1	d3	a	s	MM	d1min.	d1max.	d2max.	s	h min.	h max.	d1	d2	s
3	3.2	6.0	0.4	1.5	3.90	1.28	0.40	3	3.1	3.4	6.2	0,8	1.60	1,90	3.2	7	0.5
4	4.3	8.0	0.5	1.9	4.40	1.61	0.50	4	4.1	4.4	7.6	0,9	1.80	2,10	4.3	9	0.8
5	5.1	9.0	0.5	2.3	5.90	1.94	0.60	5	5.1	5.4	9.2	1,2	2.40	2,80	5.3	10	1.0
5	5.3	10.0	0.6	3.2	6.90	2.70	0.60	6	6.1	6.5	11.8	1,6	3.20	3,80	6.4	12	1.6
6	6.4	11.0	0.7	4	8.85	3.34	0.70	7	7.1	7.5	12.8	1,6	3.20	3,80	-	-	-
8	8.2	14.0	0.8	5	10.85	4.11	0.70	8	8.1	8.5	14.8	2,0	4.00	4,70	8.4	16	1.6
10	10.5	18.0	0.9	6	11.80	5.26	0.70	10	10.2	10.7	18.1	2,2	4.40	5,20	10.5	20	2.0
12	13.0	20.5	1.0	7	13.80	5.84	0.90	12	12.2	12.7	21.1	2,5	5.00	5,90	13	24	2.5
14	15.0	24.0	1.0	8	15.75	6.52	1.00	14	14.2	14.7	24.1	3,0	6.00	7,10	15	28	2.5
16	17.0	26.0	1.2	9	18.20	7.63	1.10	16	16.2	17.0	27.4	3,5	7.00	8,30	17	30	3.0
18	19.0	30.0	1.4	10	19.70	8.32	1.20	18	18.2	19.0	29.4	3,5	7.00	8,30	19	34	3.0
20	21.0	33.0	1.4	12	22.70	10.45	1.30	20	20.2	21.2	33.6	4,0	8.00	9,40	21	37	3.0
22	23.0	36.0	1.5	15	28.70	12.61	1.50	22	22.5	23.5	35.9	4,0	8.00	9,40	23	39	3.0
24	25.0	38.0	1.5	19	36.50	15.92	1.75	24	24.5	25.5	40.0	5,0	10.00	11,80	25	44	4.0
27	28.0	44.0	1.6	24	43.50	21.88	2.00	27	27.5	28.5	43.0	5,0	10.00	11,80	28	50	4.0
30	31.0	48.0	1.6	30	51.30	25.80	2.50	30	30.5	31.7	48.2	6,0	12.00	14,20	31	56	4.0

DIN 1481 Yarıklı Pim

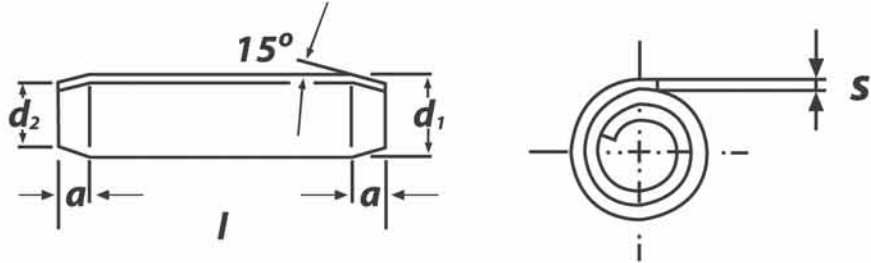


DIN EN ISO 13337	Ölçüler milimetre																								
	1					1.5					2					2.5					3				
	max.	0.35	0.45	0.55	0.6	0.7	0.8	0.85	1.0	1.1	1.2	1.4	1.6	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Serbest Ölçüler	d	min.	1.5	1.8	2.4	2.9	3.5	4.0	4.6	5.1	5.6	6.7	8.8	10.8	12.8	13.8	14.8	16.8	18.9	20.9	21.9	25.9	28.9	30.9	32.9
	d_1	min.	1.2	1.7	2.3	2.8	3.3	3.8	4.4	4.9	5.4	6.4	8.5	10.5	12.5	13.5	14.5	16.5	18.5	20.5	21.5	25.5	28.5	30.5	32.5
	d_2	=	0.8	1.1	1.5	1.8	2.1	2.3	2.8	2.9	3.4	4.0	5.5	6.5	7.5	8.5	8.5	10.5	11.5	12.5	13.5	15.5	17.5	18.5	20.5
	S		0.2	0.3	0.4	0.5	0.6	0.75	0.8	1.0	1.2	1.5	2.0	2.5	2.5	3.0	3.0	3.5	4.0	4.0	4.0	5.0	5.0	6.0	6.0
Kopma Kuvveti		0.7	1.58	2.82	4.38	6.32	9.06	11.24	15.36	17.54	26.04	42.76		70.16	104.1	115.01	144.7	171	222.5	280.6	298.2	438.5	542.6	631.4	684
+0.5	4	0.015	0.034	0.061	0.095	0.136	0.197	0.239																	
	5	0.019	0.043	0.077	0.118	0.170	0.246	0.299	0.397	0.471															
	6	0.023	0.051	0.092	0.142	0.204	0.296	0.358	0.476	0.566															
	8	0.031	0.068	0.122	0.182	0.272	0.394	0.478	0.635	0.754															
	10	0.038	0.085	0.153	0.236	0.340	0.493	0.597	0.793	0.942	1.32	2.24	3.69	5.55	6.18	7.80	9.19	12.9							
	12	0.045	0.103	0.184	0.283	0.407	0.591	0.716	0.952	1.13	1.59	2.66	4.43	6.66	7.42	9.35	11.0	14.5	15.3						
	14	0.052	0.120	0.214	0.330	0.475	0.689	0.836	1.11	1.32	1.86	3.13	5.17	7.78	8.66	10.9	12.9	16.9	18.4	22.8	33.4	41.5	48.5		
	16	0.059	0.137	0.244	0.377	0.543	0.788	0.955	1.27	1.51	2.12	3.58	5.90	8.89	9.90	12.5	14.7	19.3	21.4	26.0	38.2	47.4	55.4		
	18	0.067	0.154	0.275	0.424	0.611	0.886	1.07	1.43	1.70	2.39	4.03	6.64	10.0	11.1	14.0	16.5	21.8	24.5	29.3	43.0	53.3	62.3		
	20	0.076	0.171	0.305	0.471	0.679	0.985	1.19	1.59	1.88	2.65	4.48	7.38	11.1	12.4	15.6	18.4	24.2	27.5	32.5	47.8	59.2	69.2	75.1	94.0
	22			0.336	0.519	0.746	1.08	1.31	1.75	2.07	2.97	4.92	8.12	12.2	13.6	17.1	20.2	26.6	30.8	35.8	47.5	65.2	76.2	82.6	10.3
	24			0.367	0.565	0.814	1.18	1.43	1.90	2.26	3.19	5.37	8.86	13.3	14.8	18.7	22.0	29.0	36.7	39.0	57.3	71.1	83.1	90.1	113
	26			0.397	0.613	0.882	1.28	1.55	2.06	2.45	3.46	5.82	9.59	14.4	16.1	20.3	23.9	31.4	39.6	42.3	62.0	77.0	90.0	97.6	122
	28			0.427	0.660	0.950	1.38	1.67	2.22	2.64	3.72	6.26	10.3	15.6	17.3	21.8	25.7	33.8	42.8	45.5	66.8	82.9	96.9	105	132
	30			0.458	0.707																				
	32					1.02	1.48	1.79	2.34	2.83	3.98	6.71	11.1	16.7	18.5	23.4	27.6	36.3	45.9	48.8	71.6	88.6	104	113	141
	36					1.22	1.77	2.18	2.66	3.39	4.76	8.06	13.3	20.0	22.3	28.1	33.1	43.5	55.1	58.6	85.9	107	125	135	169
	40																								
	44							1.36	1.97																
	48																								
	52																								
	56																								
	60																								
	64																								
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	ÖZETLEMELER																								

Teknik Ölçüler

TECHNICAL INFORMATION

DIN 7343 Sarmal Pim



ÖLÇÜLER		2	2.5	3	3.5	4	5	6	8	10	12	14	16	20	
DIN EN ISO 8750	Serbest Ölçüler	d_1 min.	2.13	2.65	3.15	3.67	4.20	5.25	6.25	8.30	10.35	12.40	14.45	16.45	20.40
		d_1 max.	2.25	2.78	3.30	3.84	4.40	5.50	6.50	8.63	10.80	12.85	14.95	17.00	21.00
		d_2 max.	1.90	2.40	2.90	3.40	3.90	4.85	5.85	7.80	9.75	11.70	13.60	15.60	19.60
		$a \approx$	0.70	0.70	0.90	1.00	1.10	1.30	1.50	2.00	2.50	3.00	3.50	4.00	4.50
		s	0.17	0.21	0.25	0.29	0.33	0.42	0.50	0.67	0.84	1.00	1.20	1.30	1.70
Kopma Kuvveti	kN ³⁾	2.50	3.90	5.50	7.50	9.60	15	22	39	62	89	120	155	250	
	kN ⁴⁾	1.90	2.90	4.20	5.70	7.60	11.50	16.8	30						
+/- 0.25	4	0.06													
	5	0.08	0.12												
	6	0.09	0.14	0.20	0.27										
	8	0.12	0.19	0.27	0.36	0.48									
	10	0.16	0.23	0.33	0.45	0.60	0.92								
+/- 0.5	12	0.19	0.28	0.40	0.54	0.71	1.11	1.60							
	14	0.22	0.33	0.47	0.63	0.83	1.29	1.87							
	16	0.25	0.37	0.53	0.72	0.95	1.48	2.14	3.79						
	18	0.28	0.42	0.60	0.81	1.07	1.66	2.40	4.26						
	20	0.31	0.47	0.67	0.89	1.19	1.85	2.67	4.73	7.5					
	22	0.34	0.51	0.73	0.98	1.31	2.03	2.94	5.21	8.3					
	24	0.37	0.56	0.80	1.07	1.43	2.22	3.20	5.68	9.0	13.0				
	26	0.41	0.61	0.87	1.16	1.55	2.40	3.47	6.15	9.8	14.1				
	28	0.44	0.66	0.93	1.25	1.67	2.58	3.74	6.63	10.5	15.2	20.5			
	30	0.47	0.70	1.00	1.34	1.79	2.77	4.00	7.10	11.3	16.2	22.0			
	32	0.50	0.75	1.07	1.43	1.91	2.95	4.27	7.57	12.0	17.3	23.4	30.1		
	35	0.55	0.82	1.17	1.57	2.09	3.23	4.67	8.28	13.2	19.0	25.6	32.9		
	40	0.62	0.94	1.33	1.79	2.38	3.69	5.34	9.47	15.0	21.7	29.3	37.6		
	45		1.05	1.50	2.01	2.68	4.15	6.01	10.65	16.9	24.4	33.9	42.3	66.0	
	50			1.67	2.24	2.98	4.62	6.67	11.83	18.8	27.1	36.6	47.0	73.4	
+/- 0.75	55					3.28	5.08	7.34	13.02	20.7	29.8	40.2	51.7	80.7	
	60					3.57	5.54	8.01	14.20	22.6	32.5	43.9	56.4	88.0	
	65							8.67	15.38	24.4	35.2	47.6	61.1	95.4	
	70							9.34	16.57	26.3	37.9	51.2	65.8	102.7	
	75							10.01	17.75	28.2	40.6	54.9	70.5	110.0	
	80								18.93	30.1	43.3	58.5	75.2	117.4	
	85								20.12	31.9	46.0	62.2	79.9	124.7	
	90								21.30	33.8	48.7	65.9	84.6	132.0	
	95								22.48	35.7	51.5	69.5	89.3	139.4	
	100								23.67	37.6	54.2	73.2	94.0	146.7	
	120								28.40	45.1	65.0	87.8	112.8	176.0	
	140										75.8	102.4	131.6	205.4	
	160										86.7	117.1	150.3	234.7	
	180											131.7	169.1	264.1	
	200											146.4	187.9	293.4	

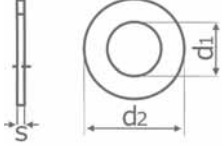
Teknik Ölçüler Inch

INCH TECHNICAL INFORMATION

SH=NA1400 INCH SEGMAN				HO=NJ1300 INCH SEGMAN											
SH	d3	s	d2	SH	d3	s	d2	HO	d3	s	d2	HO	d3	s	d2
12	2.84	0.25	2.97	162	38.18	1.57	38.84	25	7,11	0.38	6.81	200	56.13	1.57	53.90
15	3.61	0.25	3.71	168	39.62	1.57	40.36	31	8,79	0.38	8.38	206	57.91	1.98	55.14
18	4.27	0.38	4.45	175	41.10	1.57	41.91	37	10,54	0.64	10.08	212	59.69	1.98	57.18
19	4.55	0.38	4.70	177	41.58	1.57	42.39	43	12,24	0.64	11.71	218	61.34	1.98	58.29
21	4.98	0.38	5.21	181	42.55	1.57	43.38	45	12,65	0.64	12.12	225	63.25	1.98	60.50
23	5.46	0.38	5.64	187	44.07	1.57	44.93	50	13,92	0.89	13.46	231	64.77	1.98	62.23
25	5.72	0.64	5.84	196	46.20	1.57	47.17	51	14,22	0.89	13.77	237	66.80	1.98	63.93
27	6.35	0.64	6.48	200	46.99	1.57	47.90	56	15,75	0.89	15.14	244	68.63	1.98	65.63
28	6.50	0.64	6.63	206	48.41	1.98	49.43	62	17,63	0.89	16.89	250	70.49	1.98	67.26
31	7.14	0.64	7.37	212	49.89	1.98	50.88	68	19,38	0.89	18.59	256	72.24	2.36	68.94
34	7.85	0.64	8.15	215	50.62	1.98	51.61	75	21,11	0.89	20.22	262	73.91	2.36	70.64
35	8.13	0.64	8.38	225	52.86	1.98	53.85	77	21,82	1.07	20.96	268	75.69	2.36	72.06
37	8.59	0.64	8.94	231	54.33	1.98	55.32	81	22,89	1.07	21.89	275	77.47	2.36	74.02
39	8.99	0.64	9.37	237	55.80	1.98	56.87	86	24,41	1.07	23.37	281	79.27	2.36	75.69
40	9.30	0.64	9.70	243	57.28	1.98	58.39	87	24,66	1.07	23.65	287	81.05	2.36	77.50
43	10.03	0.64	10.46	250	58.75	1.98	59.94	90	25,40	1.07	24.36	300	84.46	2.36	79.63
46	10.87	0.64	11.25	255	60.38	1.98	61.44	93	26,44	1.07	25.40	306	86.82	2.77	82.50
50	11.71	0.89	11.89	262	61.67	1.98	63.02	100	28,22	1.07	27.08	312	88.60	2.77	84.20
55	12.93	0.89	13.18	268	63.12	1.98	64.54	102	28,85	1.07	27.71	315	89.48	2.77	84.86
56	13.23	0.89	13.46	275	64.59	2.36	66.09	106	29,97	1.27	28.70	325	92.02	2.77	87.53
59	13.97	0.89	14.20	287	67.54	2.36	69.11	112	31,72	1.27	30.40	334	94.84	2.77	90.07
62	14.71	0.89	14.94	293	69.01	2.36	70.59	118	33,50	1.27	31.88	347	97.97	2.77	93.35
66	15.77	0.89	15.98	300	70.49	2.36	72.09	125	35,26	1.27	33.78	350	98.81	2.77	94.23
66	15.77	1.07	16.03	306	71.93	2.36	73.61	131	36,98	1.27	35.46	354	99.97	2.77	95.38
68	16.13	1.07	16.41	312	73.46	2.36	75.11	137	38,76	1.27	37.11	362	102.21	2.77	97.56
75	17.60	1.07	17.88	315	74.17	2.36	75.84	143	40,54	1.27	38.81	375	105.59	2.77	100.69
78	18.34	1.07	18.62	325	76.35	2.36	78.13	145	41,05	1.27	39.32	387	108.99	2.77	104.32
81	19.08	1.07	19.35	334	78.54	2.36	80.42	150	42,16	1.27	40.49	393	110.69	2.77	106.02
84	19.81	1.07	20.09	343	80.75	2.36	82.73	156	44,04	1.57	42.11	400	112.37	2.77	107.70
87	20.57	1.07	20.85	350	82.22	2.77	84.23	162	45,85	1.57	43.82	412	115.77	2.77	110.87
93	22.02	1.07	22.40	354	83.24	2.77	85.27	165	46,61	1.57	44.58	425	119.15	2.77	114.05
98	23.11	1.07	23.52	362	85.14	2.77	87.25	168	47,60	1.57	45.52	433	120.80	2.77	116.10
100	23.50	1.07	23.88	368	86.61	2.77	88.72	175	49,33	1.57	47.19	450	125.48	2.77	120.40
102	24.03	1.07	24.41	375	88.09	2.77	90.22	181	51,10	1.57	48.82	462	128.93	2.77	123.57
106	24.94	1.27	25.35	387	91.03	2.77	93.29	185	52,17	1.57	49.83	475	132.41	2.77	126.21
112	26.44	1.27	26.90	393	92.51	2.77	94.84	187	52,63	1.57	50.52	500	139.32	2.77	133.60
118	27.89	1.27	28.40	400	93.98	2.77	96.32	193	54,38	1.57	52.22				
125	29.36	1.27	29.87	412	96.52	2.77	99.44								
131	30.84	1.27	31.29	425	101.32	2.77	103.25								
137	32.31	1.27	32.79	437	104.29	2.77	106.43								
143	33.86	1.27	34.29	450	107.26	2.77	109.47								
150	35.23	1.27	35.71	475	113.23	2.77	115.57								
156	36.73	1.57	37.29	500	119.18	2.77	121.67								

Teknik Ölçüler

TECHNICAL INFORMATION



LAYNER PUL DIN 988

Ölçü		Kalınlıklar (S)									
d1	d2	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
6	x 12	0.10	0.15	0.20	0.25	0.30	0.50	1.00			
7	x 13	0.10	0.15	0.20	0.25	0.30	0.50	1.00			
8	x 14	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
9	x 15	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
10	x 16	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
11	x 17	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
12	x 18	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
13	x 19	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20		
14	x 20	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
15	x 21	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
16	x 22	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
17	x 24	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
18	x 25	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
19	x 26	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	
20	x 28	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
22	x 30	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
22	x 32	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
25	x 36	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
26	x 37	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
28	x 40	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
30	x 42	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
32	x 45	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
35	x 45	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
37	x 47	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
40	x 50	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
42	x 52	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
45	x 56	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
48	x 60	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
50	x 62	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
52	x 65	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
55	x 68	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
56	x 72	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
60	x 75	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
63	x 80	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
65	x 85	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
70	x 80	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
75	x 95	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
80	x 100	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
85	x 105	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
90	x 110	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
95	x 115	0.10	0.15	0.20	0.25	0.30	0.50	1.00	1.20	1.50	2.00
100	x 125	0.10	0.15	0.20	0.25	0.30	0.50	1.00			
105	x 130	0.10	0.15	0.20	0.25	0.30	0.50	1.00			
110	x 140	0.10	0.15	0.20	0.25	0.30	0.50	1.00			
120	x 150	0.10	0.15	0.20	0.25	0.30	0.50	1.00			

Teknik Ölçüler Inch

INCH TECHNICAL INFORMATION

DIN 985 FİBERLİ SOMUN					DIN 936 KONTURA SOMUN				DIN 934 DÜZ SOMUN			
MM	F	H	G	I	MM	s	m	e	MM	s	m	e
3	5.5	4.0	6.01	2.40	6	10	4	11.25	3	2.4	5.5	6.01
4	7.0	5.0	7.66	2.90	8	13	5	14.38	4	3.2	7.0	7.66
5	8.0	5.0	8.79	3.20	10	17	6	18.90	5	4.0	8.0	8.79
6	10.0	6.0	11.05	4.00	12	19	7	21.10	6	5.0	10.0	11.05
8	13.0	8.0	14.38	5.50	14	22	8	24.49	8	6.5	13.0	14.38
10	17.0	10.0	18.90	6.50	14	24	8	26.75	10	8.0	17.0	18.90
12	19.0	12.0	21.10	8.00	18	27	9	29.56	12	10.0	19.0	21.10
14	22.0	14.0	24.49	9.50	20	30	9	32.95	14	11.0	22.0	24.49
16	24.0	16.0	26.75	10.50	22	32	10	35.03	16	13.0	24.0	26.75
18	27.0	18.5	29.56	13.00	24	36	10	39.55	18	15.0	27.0	29.56
20	30.0	20.0	32.95	14.00	30	46	12	50.85	20	16.0	30.0	32.95

DIN 315 KELEBEK SOMUN						DIN 928 KAYNAK SOMUN					DIN 929 KAYNAK SOMUN			
MM	e	h	D	g	m	MM	d2	e	m	s	MM	e	m	s
3	18.5	8.8	7.8	2.0	3.0	3					3	8.15	3.0	7.5
4	18.5	8.8	7.8	2.0	3.0	4	5.0	9	3.5	7	4	9.83	3.5	9.0
5	22.0	10.5	9.5	2.6	4.0	5	6.0	12	4.2	9	5	10.95	4.0	10.0
6	26.8	12.9	11.9	3.0	4.9	6	7.5	13	5.0	10	6	12.02	5.0	11.0
8	30.3	14.8	13.5	3.3	5.4	7	8.0	14	5.5	11	7	13.14	5.5	12.0
10	35.3	17.3	15.3	4.0	6.3	8	10.0	18	6.5	14	8	15.38	6.5	14.0
12	47.5	22.5	20.5	5.0	7.9	10	12.5	22	8.0	17	10	18.74	8.0	17.0
16	65.0	30.8	25.0	6.5	10.6	12	13.5	25	9.5	19	12	20.91	10.0	19.0
20	66.5	31.2	29.3	7.2	12.2	14	16.8	28	11.0	22	14	24.27	11.0	22.0

DIN 6923 FLANŞLI SOMUN					DIN 7967 SOMUNLU SEGMAN				DIN 1587 KÖR SOMUN					KARE SOMUN		
MM	m	e	s	dc	MM	s	m	e	MM	dk	h	m	s	MM	s	m
5	5	8.79	8	11.08	8	0.5	3.5	13	3	5.0	6.5	2.5	5.5	5	10	3.2
6	6	11.05	10	14.20	10	0.5	4.0	17	4	6.5	8	3.2	7.0	6	10	5.0
8	8	14.38	13	17.90	12	0.6	4.5	19	5	7.5	10	4.0	8.0	6	11	5.0
10	10	16.64	15	21.80	14	0.6	5.0	22	6	9.5	12	5.0	10.0	6	12	5.0
12	12	20.03	18	26.00	16	0.7	5.0	24	8	12.5	15	6.5	13.0	6	12	5.0
14	14	23.36	21	29.90	18	0.7	5.5	27	10	16.0	18	8.0	17.0	8	14	6.5
16	16	26.75	24	34.50	20	0.8	6.0	30	12	18.0	22	10.0	19.0			
20	20	32.95	30	42.80	24	0.9	7.0	36	16	23.0	28	13.0	24.0			

KAFES SOMUNU					MOBİLYA SOMUNU					PERÇİN SOMUNU			
MM	a	b	c	s	MM	d1	h	a	b	MM	d	dk	K
4	13.1	13.5	4.6	0.5	3	4.3	5	3.5	13	4	5.95	9.0	0.5
5	13.1	13.5	6.4	0.5	4	5.6	5.7	5.2	15	5	6.95	10.0	0.5
6	13.1	13.5	6.4	0.5	5	6.5	8	6.2	17	6	8.95	13.0	0.6
8	16.6	17.8	7.4	0.6	6	7.6	9	7.2	19	8	10.95	16.0	0.6
10	16.6	17.8	7.4	0.6	8	9.9	11	8.6	22.2	10	12.95	18.5	0.6
12	17.0	17.8	7.4	0.7	10	11.6	13	9.5	25.5	12	14.95	20.5	0.9



SEGMANCI ALAATTIN

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