

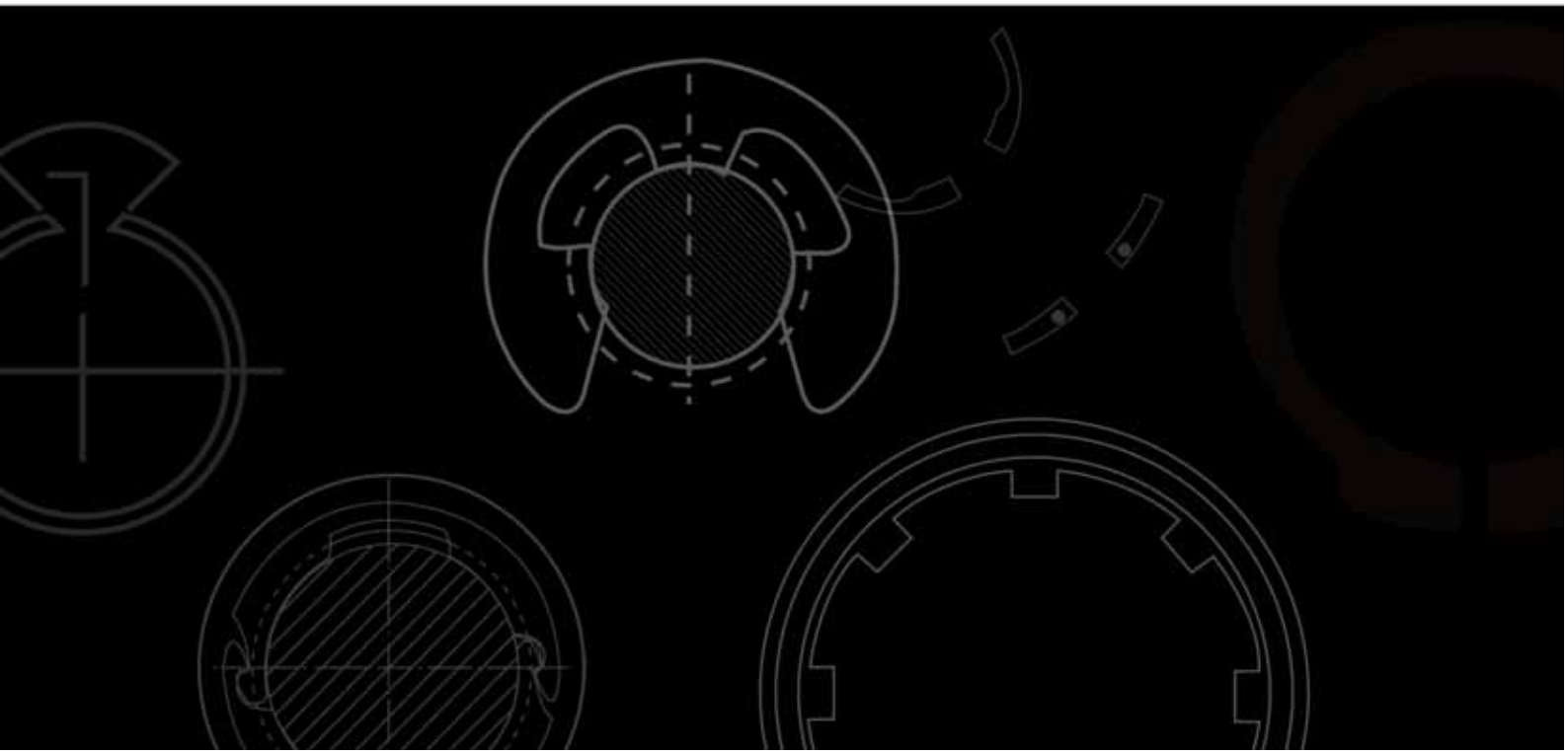


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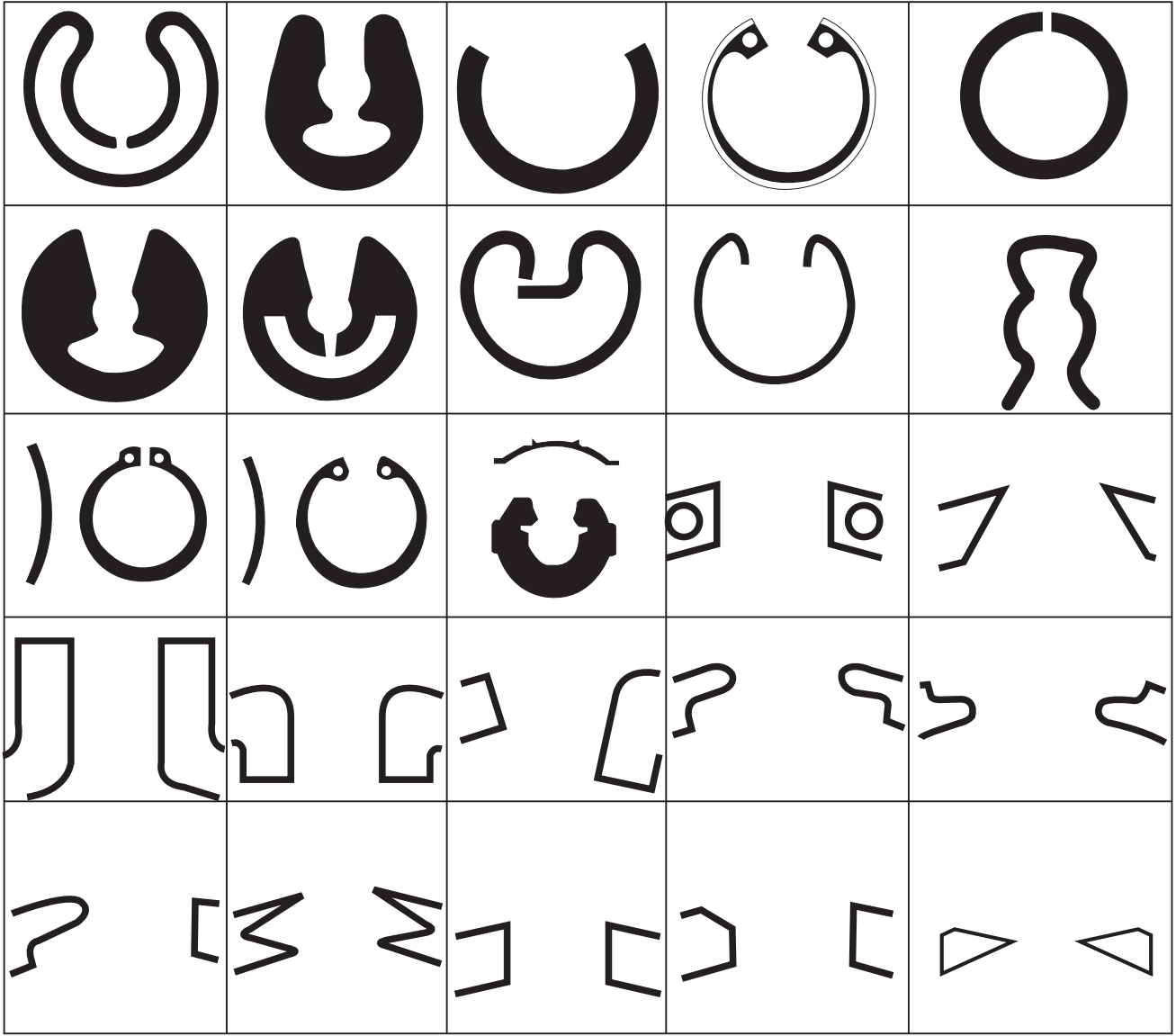
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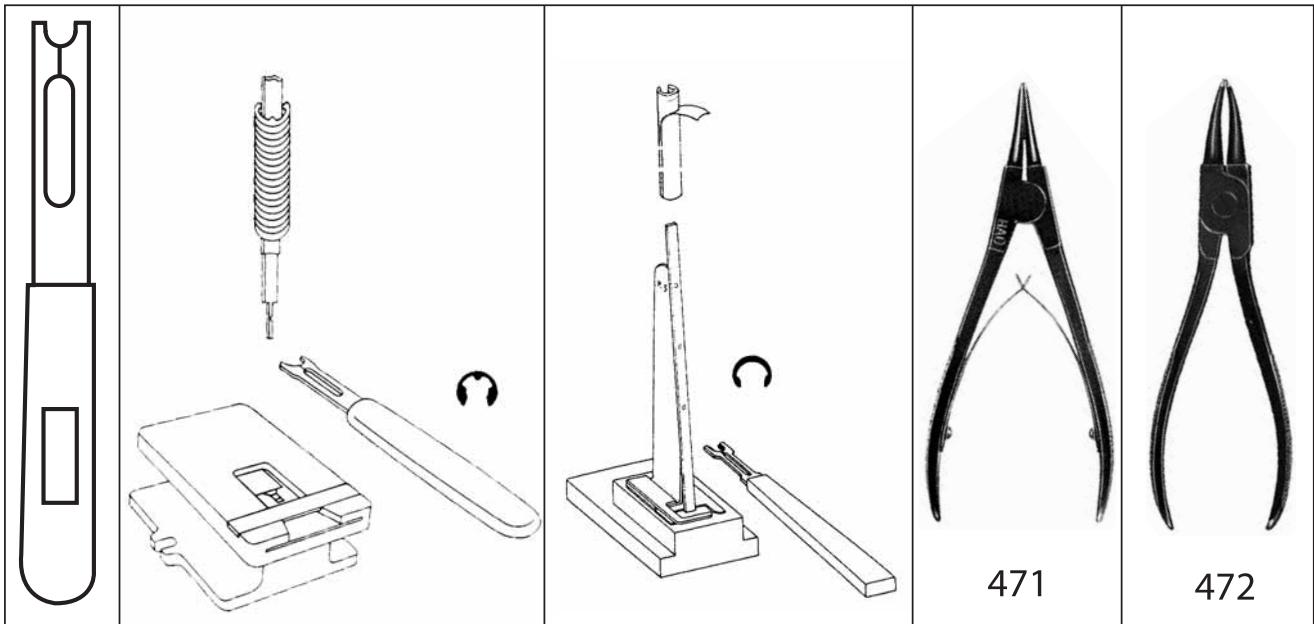
İÇİNDEKİLER;

	Açıklamalar	TİP	DIN	SAYFA
	Mil - Şaft için Sekmanlar (circlips for shafts)	(A TİPİ)	471	1 - 4
	Delik - Yuva için Sekmanlar (circlips for bores)	(J TİPİ)	472	5 - 8
	Mil - Şaft ve Rulmanlar için Sekmanlar (circlips for roller bearings)	(SP)	5417	9
	Ağır Seri Mil - Şaft için Kalın Sekmanlar (circlips for shaft heavy duty)	Ağır Seri (Kalın)	471	10
	Ağır, Seri Yuva - Delik için Kalın Sekmanları (circlips for bores heavy duty)	Ağır Seri (Kalın)	472	11
	Mil - Şaft için Dıştan Tırnaklı Sekmanlar (circlips for shaft)	(Dıştan Çıkıntılı)	983	12
	Delik Yuva için İçten Tırnaklı Sekmanlar (circlips for bores)	(İçten Çıkıntılı)	984	13
	Mil - Şaft için Sekmanlar (circlips for shaft)	AV	5018	14
	Delik - Yuva için Sekmanlar (circlips for bores)	JV	5008	15
	Mil - Şaft için Sekmanlar (crescent rings for shaft)	H Serisi		16
	Ay Tipi Mil - Şaft için Sekmanlar (retaining rings for shaft)	(Ay Tipi)	6799	17
	Kilitli Sekmanlar (interlocking rings for shaft)	S Serisi		18
	Sargılı Pimler (coiled springs pins)		8750	19
	Yarıklı Pimler (ISO 8752) (spring pins)	Standart	1481	20 - 21
	Yarıklı Pimler (ISO 13337) (spring pins light duty)	İnce Seri	1481	22
	Mil - Şaft için Sekmanlar (grip rings for shafts without grooves)	G - GA Serisi		23
	Kanalsız Yuva için Sekmanlar (circular self - locking for bores)	ZJ Serisi		24
	Kanalsız Mil için Sekmanlar (circular self - locking for shafts)	ZA Serisi		25
	Kanalsız Mil - Şaft için Kapaksız	KS - IKMS Serisi		26
	Rulman Baskı Yayıları (spring washer for bearings)			27
	Mil - Şaft için Sekmanlar (snap rings for shafts)	SW Serisi		28
	Delik - Yuva için Sekmanlar (snap rings for bores)	SB Serisi		29
	Mil için Tel Sekmanlar (snap rings for shafts)	RW Serisi	7993 A	30
	Yuva için Tel Sekmanlar (snap rings for bores)	RB Serisi	7993 B	31
	Çanak Pullar (disk springs light - standart)	Çanak Pul İnce Çanak Pul	6797 2093	32
	Çanak Pullar (disk springs heavy - kontaklar)	Standart Seri	2093	32
	Çanak Pullar kalın seri / Emniyet somunu		6796 7967	33
	İzli Çanak Pul (Kontak Pulu) / İzli Tırnaklı Çanak Pul			34
	Tırtıllı Pullar (external teeth type A)	A	6798	35
	Tipi Ondule Pullar (curved or crinkle washers)	A-B	137	36
	Layner Pullar (shim rings)	988	PS	37
	Layner Destekleme Pulları (supporting rings)	988	SS	38
	Baskı Kontra Somunlar (extraction nuts)	981	KM	39
	Kilitli Pullar (lock washers)		MB	40

ÖZEL SEKMAN KAFALARI

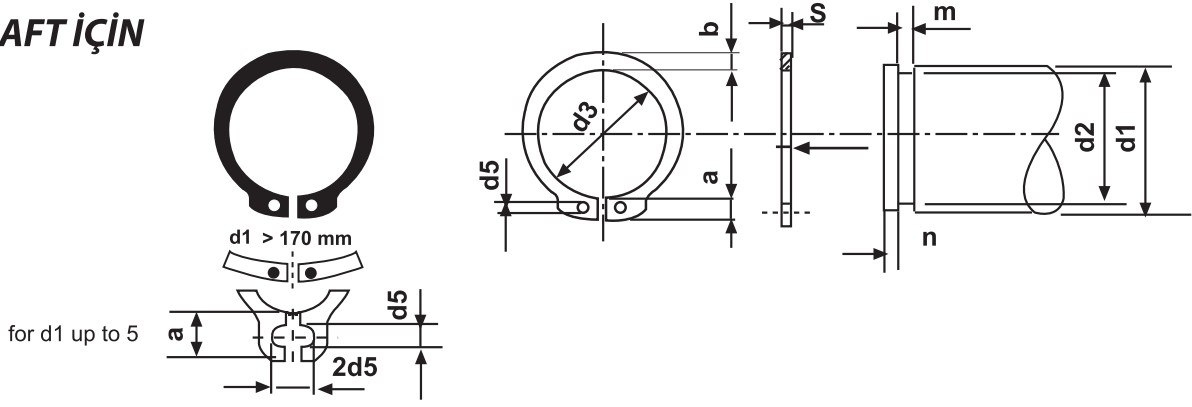


SEKMAN PENSELERİ VE APARATLARI



DIN 471 A

MİL - ŞAFT İÇİN



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						1000 adet/kg.	
	d2		m H 13	n min	S		d3		a max.	b ≈		d5 min.
4	3.8	+0 -0.04	0.50	0.3	0.40	+0 -0.05	3.7	+0.04 -0.015	2.2	0.9	1.0	0.022
5	4.8		0.70	0.3	0.60		4.7		2.5	1.1	1.0	0.066
6	5.7		0.80	0.5	0.70		5.6		2.7	1.3	1.2	0.084
7	6.7		0.90	0.5	0.80		6.5		3.1	1.4	1.2	0.121
8	7.6	+0 -0.06	0.90	0.6	0.80	+0.06 -0.18	7.4	+0.06 -0.18	3.2	1.5	1.2	0.158
9	8.6		1.10	0.6	1.0		8.4		3.3	1.7	1.2	0.300
10	9.6		1.10	0.6	1.0		9.3		3.3	1.8	1.5	0.340
11	10.5		1.10	0.8	1.0		10.2		3.3	1.8	1.5	0.410
12	11.5	+0 -0.11	1.10	0.8	1.0	+0.10 -0.36	11.0	+0.10 -0.36	3.3	1.8	1.7	0.500
13	12.4		1.10	0.9	1.0		11.9		3.4	2.0	1.7	0.530
14	13.4		1.10	0.9	1.0		12.9		3.5	2.1	1.7	0.640
15	14.3		1.10	1.1	1.0		13.8		3.6	2.2	1.7	0.670
16	15.2		1.10	1.2	1.0		14.7		3.7	2.2	1.7	0.700
17	16.2		1.10	1.2	1.0		15.7		3.8	2.3	1.7	0.820
18	17.0		1.30	1.5	1.2		16.5		3.9	2.4	2.0	1.110
19	18.0		1.30	1.5	1.2		17.5		3.9	2.5	2.0	1.220
20	19.0		1.30	1.5	1.2		18.5		4.0	2.6	2.0	1.300
21	20.0		+0 -0.13	1.30	1.5		1.2		+0.13 -0.42	19.5	+0.13 -0.42	4.1
22	21.0	1.30		1.5	1.2	20.5	4.2	2.8		2.0		1.500
23	22.0	1.30		1.7	1.2	21.5	4.3	2.9		2.0		1.630
24	22.9	1.30		1.7	1.2	22.2	4.4	3.0		2.0		1.770
25	23.9	+0 -0.21	1.30	1.7	1.2	+0.21 -0.42	23.2	+0.21 -0.42	4.4	3.0	2.0	1.900
26	24.9		1.30	1.7	1.2		24.2		4.5	3.1	2.0	1.960
27	25.6		1.30	1.7	1.2		24.9		4.6	3.1	2.0	2.080
28	26.6		1.60	2.1	1.5		25.9		4.7	3.2	2.0	2.920
29	27.6		1.60	2.1	1.5		26.9		4.8	3.4	2.0	3.200
30	28.6		1.60	2.1	1.5		27.9		5.0	3.5	2.0	3.320
31	29.3		1.60	2.6	1.5		28.6		5.1	3.5	2.5	3.450
32	30.3		1.60	2.6	1.5		29.6		5.2	3.6	2.5	3.540
33	31.3		1.60	2.6	1.5		30.5		5.2	3.7	2.5	3.690
34	32.3		1.60	2.6	1.5		31.5		5.4	3.8	2.5	3.800
35	33.0	+0 -0.25	1.60	3.0	1.5	+0.25 -0.5	32.2	+0.25 -0.5	5.6	3.9	2.5	4.000
36	34.0		1.85	3.0	1.75		33.2		5.6	4.0	2.5	5.000
37	35.0		1.85	3.0	1.75		34.2		5.7	4.1	2.5	5.370
38	36.0		1.85	3.0	1.75		35.2		5.8	4.2	2.5	5.620
39	37.0		1.85	3.0	1.75		36.0		5.9	4.3	2.5	5.850
40	37.5		1.85	3.8	1.75		36.5		6.0	4.4	2.5	6.030

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 27'ye kadar)
C 75 - DIN 17222 - UNI 7064 (d1 28' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

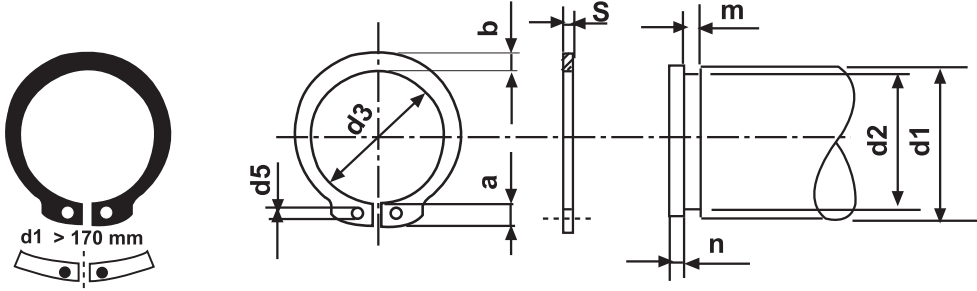
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e-mail: satis@sekmanci.com web: www.sekmanci.com

DIN 471 A

MİL - ŞAFT İÇİN



d1	MONTAJ ÖLÇÜLERİ			SEGMAN ÖLÇÜLERİ							1000 adet/kg.	
	d2		m H 13	n min	S		d3		a max.	b ≈		d5 min.
41	38.5	+0 -0.25	1.85	3.8	1.75	+0 -0.06	37.5	+0.39 -0.9	6.2	4.5	2.5	6.440
42	39.5		1.85	3.8	1.75		38.5		6.5	4.5	2.5	6.690
44	41.5		1.85	3.8	1.75		40.5		6.6	4.6	2.5	6.910
45	42.5		1.85	3.8	1.75		41.5		6.7	4.7	2.5	7.230
46	43.5		1.85	3.8	1.75		42.5		6.7	4.8	2.5	7.650
47	44.5		1.85	3.8	1.75		43.5		6.8	4.9	2.5	7.840
48	45.5		1.85	3.8	1.75		44.5		6.9	5.0	2.5	8.160
50	47.0		2.15	4.5	2.0		45.8		6.9	5.1	2.5	9.610
52	49.0	2.15	4.5	2.0	47.8	7.0	5.2	2.5	10.01			
54	51.0	+0 -0.30	2.15	4.5	2.0	49.8	7.1	5.3	2.5	10.99		
55	52.0		2.15	4.5	2.0	50.8	7.2	5.4	2.5	11.06		
56	53.0		2.15	4.5	2.0	51.8	7.3	5.5	2.5	11.67		
57	54.0		2.15	4.5	2.0	52.8	7.3	5.5	2.5	12.06		
58	55.0		2.15	4.5	2.0	53.8	7.3	5.6	2.5	12.07		
60	57.0		2.15	4.5	2.0	55.8	7.4	5.8	2.5	12.51		
62	59.0		2.15	4.5	2.0	57.8	7.5	6.0	2.5	14.49		
63	60.0		2.15	4.5	2.0	58.8	7.6	6.2	2.5	14.54		
65	62.0		2.65	4.5	2.5	60.8	7.8	6.3	3.0	19.82		
67	64.0		2.65	4.5	2.5	62.5	7.9	6.4	3.0	20.52		
68	65.0		2.65	4.5	2.5	63.5	8.0	6.5	3.0	21.16		
70	67.0		2.65	4.5	2.5	65.5	8.1	6.6	3.0	21.82		
72	69.0		2.65	4.5	2.5	67.5	8.2	6.8	3.0	23.75		
75	72.0		2.65	4.5	2.5	70.5	8.4	7.0	3.0	24.89		
77	74.0		2.65	4.5	2.5	72.5	8.5	7.2	3.0	25.27		
78	75.0		2.65	4.5	2.5	73.5	8.6	7.3	3.0	27.55		
80	76.5	2.65	5.3	2.5	74.5	8.6	7.4	3.0	27.78			
82	78.5	2.65	5.3	2.5	76.5	8.7	7.6	3.0	28.00			
85	81.5	+0 -0.35	3.15	5.3	3.0	79.5	8.7	7.8	3.5	36.54		
87	83.5		3.15	5.3	3.0	81.5	8.8	7.9	3.5	38.40		
88	84.5		3.15	5.3	3.0	82.5	8.8	8.0	3.5	39.40		
90	86.5		3.15	5.3	3.0	84.5	8.8	8.2	3.5	40.25		
92	88.5		3.15	5.3	3.0	86.5	9.0	8.4	3.5	43.00		
95	91.5		3.15	5.3	3.0	89.5	9.4	8.6	3.5	44.91		
97	93.5		3.15	5.3	3.0	91.5	9.4	8.8	3.5	51.29		
98	94.5		3.15	5.3	3.0	91.5	9.4	8.8	3.5	47.99		
100	96.5		3.15	5.3	3.0	94.5	9.6	9.0	3.5	48.74		

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 27'ye kadar)
C 75 - DIN 17222 - UNI 7064 (d1 28' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

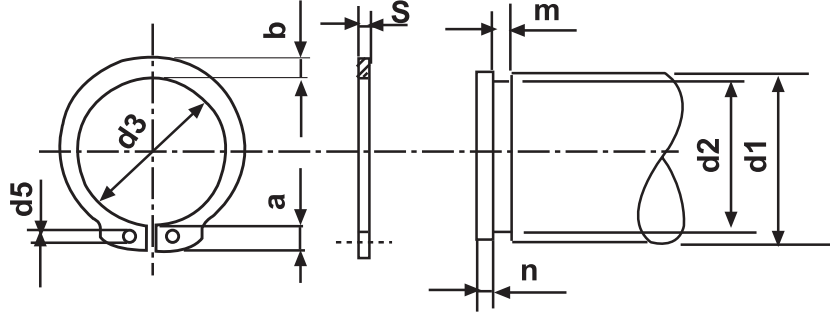
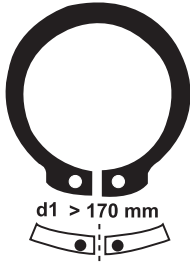
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DIN 471 A

MİL - ŞAFT İÇİN



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						1000 adet/kg.	
	d2		m H 13	n min	S		d3		a max.	b ≈		d5 min.
102	98	+0 -0.054	4.15	6.0	4.0	+0 -0.06	95.0	+0.54 -1.3	9.7	9.2	3.5	78.00
105	101		4.15	6.0	4.0		98.0		9.9	9.3	3.5	80.00
107	103		4.15	6.0	4.0		100		10.0	9.5	3.5	81.00
108	104		4.15	6.0	4.0		100		10.0	9.5	3.5	81.00
110	106		4.15	6.0	4.0		103		10.1	9.6	3.5	82.00
112	108		4.15	6.0	4.0		105		10.3	9.7	3.5	83.00
115	111		4.15	6.0	4.0		108		10.6	9.8	3.5	84.00
117	113		4.15	6.0	4.0		110		10.8	10.0	3.5	85.00
118	114		4.15	6.0	4.0		110		10.8	10.0	3.5	85.00
120	116		4.15	6.0	4.0		113		11.0	10.2	3.5	86.00
122	118		4.15	6.0	4.0		115		11.2	10.3	4.0	88.00
125	121		4.15	6.0	4.0		118		11.4	10.4	4.0	90.00
127	123	+0 -0.063	4.15	6.0	4.0	120	11.4	10.5	4.0	95.00		
128	124		4.15	6.0	4.0	120	11.4	10.5	4.0	95.00		
130	126		4.15	6.0	4.0	123	11.6	10.7	4.0	100.0		
132	128		4.15	6.0	4.0	125	11.7	10.8	4.0	103.0		
135	131		4.15	6.0	4.0	128	11.8	11.0	4.0	104.0		
137	133		4.15	6.0	4.0	130	11.9	11.0	4.0	107.0		
138	134		4.15	6.0	4.0	130	11.9	11.0	4.0	107.0		
140	136		4.15	6.0	4.0	133	12.0	11.2	4.0	110.0		
142	138		4.15	6.0	4.0	135	12.1	11.3	4.0	112.0		
145	141		4.15	6.0	4.0	138	12.2	11.5	4.0	115.0		
147	143		4.15	6.0	4.0	140	12.3	11.6	4.0	116.0		
148	144		4.15	6.0	4.0	140	12.3	11.6	4.0	116.0		
150	145		4.15	7.5	4.0	142	13.0	11.8	4.0	120.0		
155	150		4.15	7.5	4.0	146	13.0	12.0	4.0	135.0		
160	155		4.15	7.5	4.0	151	13.3	12.2	4.0	150.0		
165	160		4.15	7.5	4.0	155.5	13.5	12.5	4.0	160.0		
170	165		4.15	7.5	4.0	160.5	13.5	12.9	4.0	170.0		
175	170		4.15	7.5	4.0	165.5	13.5	12.9	4.0	180.0		
180	175	4.15	7.5	4.0	170.5	14.2	13.5	4.0	190.0			
185	180	4.15	7.5	4.0	175.5	14.2	13.5	4.0	200.0			
190	185	+0 -0.72	4.15	7.5	4.0	180.5	14.2	14	4.0	210.0		
195	190		4.15	7.5	4.0	185.5	14.2	14	4.0	220.0		
200	195		4.15	7.5	4.0	190.5	14.2	14	4.0	230.0		
205	199		5.15	9.0	5.0	193	14.2	14	4.0	243.0		
210	204		5.15	9.0	5.0	198	14.2	14	4.0	248.0		

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 27'ye kadar)
C 75 - DIN 17222 - UNI 7064 (d1 28' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

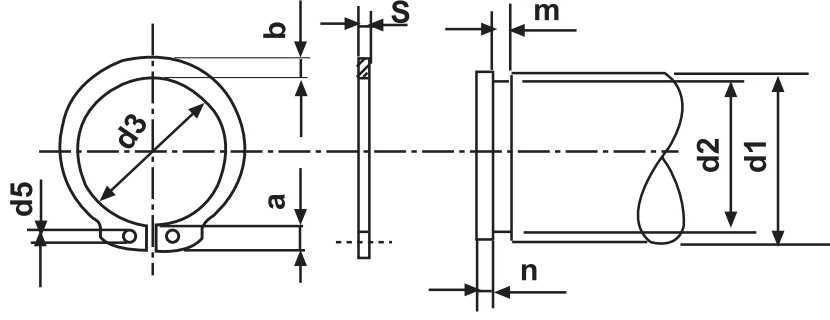
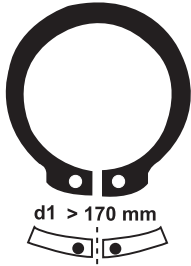
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DIN 471 A

MİL - ŞAFTI ÇİN



d1	MONTAJ ÖLÇÜLERİ			SEGMAN ÖLÇÜLERİ					1000 adet/kg.
	d2	m H 13	n min	S	d3	a max.	b ≈	d5 min.	
215	209.0	5.15	9	5	203	14.2	14	4	260.0
220	214.0	5.15	9	5	208	14.2	14	4	265.0
225	219.0	5.15	9	5	213	14.2	14	4	280.0
230	224.0	5.15	9	5	218	14.2	14	4	290.0
235	229	5.15	9	5	223	14.2	14	4	305.0
240	234	5.15	9	5	228	14.2	14	4	310.0
245	239	5.15	9	5	233	14.2	14	4	325.0
250	244	5.15	9	5	238	14.2	14	4	335.0
255	247	5.15	12	5	240	16.2	16	5	348.0
260	252	5.15	12	5	245	16.2	16	5	355.0
265	257	5.15	12	5	250	16.2	16	5	370.0
270	262	5.15	12	5	255	16.2	16	5	375.0
275	267	5.15	12	5	260	16.2	16	5	390.0
280	272	5.15	12	5	265	16.2	16	5	398.0
285	277	5.15	12	5	270	16.2	16	5	410.0
290	282	5.15	12	5	275	16.2	16	5	418.0
295	287	5.15	12	5	280	16.2	16	5	430.0
300	292	5.15	12	5	285	16.2	16	5	440.0
310	300	6.20	15	6	293		20	6	750.0
315	305	6.20	15	6	298		20	6	760.0
320	310	6.20	15	6	303		20	6	770.0
330	320	6.20	15	6	313		20	6	800.0
340	330	6.20	15	6	323		20	6	840.0
350	340	6.20	15	6	333		20	6	850.0
360	350	6.20	15	6	343		20	6	880.0
370	360	6.20	15	6	353		20	6	890.0
380	370	6.20	15	6	363		20	6	930.0
390	380	6.20	15	6	376		20	6	950.0
400	390	6.20	15	6	383		20	6	1.040
410	398	7.20	18	7	390		26	6	1.320
420	408	7.20	18	7	400		26	6	1.360
430	418	7.20	18	7	410		26	6	1.390
440	428	7.20	18	7	420		26	6	1.420
450	438	7.20	18	7	430		26	6	1.450
460	448	7.20	18	7	440		26	6	1.520
470	458	7.20	18	7	450		26	6	1.590
480	468	7.20	18	7	460		26	6	1.660
490	478	7.20	18	7	470		26	6	1.725
500	488	7.20	18	7	480		26	6	1.790

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 27'ye kadar)
C 75 - DIN 17222 - UNI 7064 (d1 305'den 1000'e)
HRC: 40 / 47 (d1 205'den 300'e)
HRC: 38 / 43 (d1 305'den 1000'e)

Makvo

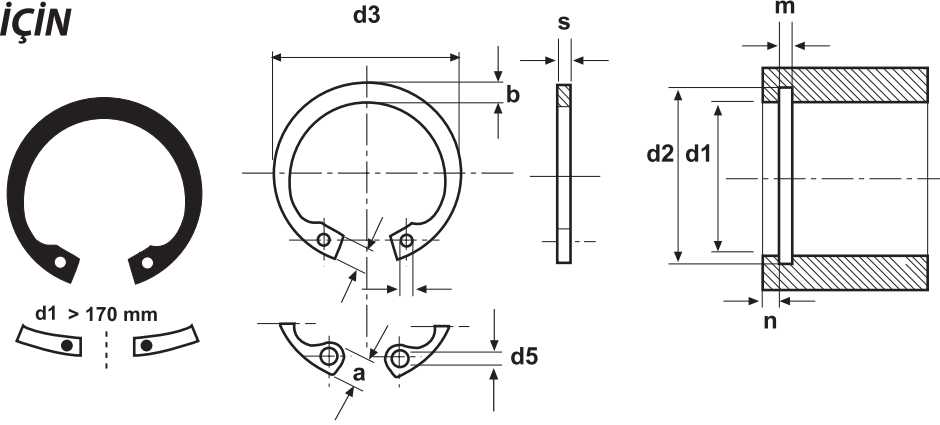
Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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DIN 472 J

DELİK - YUVA İÇİN



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ							1000 adet/kg.
	d2		m H 13	n min	S		d3		a max.	b ≈	d5 min.	
8	8.4	+0.09 -0	0.90	0.6	0.8	-0.05	8.7	+0.36 -0.10	2.4	1.1	1.0	0.10
9	9.4		0.90	0.6	0.8		9.8		2.5	1.3	1.0	0.13
10	10.4		1.10	0.6	1.0		10.8		3.2	1.4	1.2	0.26
11	11.4	+0.11 -0	1.10	0.6	1.0	+0.36 -0.10	11.8	+0.36 -0.10	3.3	1.5	1.2	0.31
12	12.5		1.10	0.8	1.0		13.0		3.4	1.7	1.5	0.37
13	13.6		1.10	0.9	1.0		14.1		3.6	1.8	1.5	0.42
14	14.6	+0.11 -0	1.10	0.9	1.0	+0.36 -0.10	15.1	+0.36 -0.10	3.7	1.8	1.7	0.52
15	15.7		1.10	1.1	1.0		16.2		3.7	2.0	1.7	0.56
16	16.8		1.10	1.2	1.0		17.3		3.8	2.0	1.7	0.60
17	17.8	+0.13 -0	1.10	1.2	1.0	+0.42 -0.13	18.3	+0.42 -0.13	3.9	2.1	1.7	0.65
18	19.0		1.10	1.5	1.0		19.5		4.1	2.2	2.0	0.74
19	20.0		1.10	1.5	1.0		20.5		4.1	2.2	2.0	0.83
20	21.0	+0.13 -0	1.10	1.5	1.0	+0.42 -0.13	21.5	+0.42 -0.13	4.1	2.3	2.0	0.90
21	22.0		1.10	1.5	1.0		22.5		4.2	2.4	2.0	1.00
22	23.0		1.10	1.5	1.0		23.5		4.2	2.5	2.0	1.10
23	24.1	+0.21 -0	1.30	1.7	1.2	+0.42 -0.21	24.6	+0.42 -0.21	4.2	2.5	2.0	1.34
24	25.2		1.30	1.8	1.2		25.9		4.3	2.6	2.0	1.42
25	26.2		1.30	1.8	1.2		26.9		4.5	2.7	2.0	1.50
26	27.2	+0.21 -0	1.30	1.8	1.2	+0.42 -0.21	27.9	+0.42 -0.21	4.7	2.8	2.0	1.60
27	28.4		1.30	2.1	1.2		29.1		4.7	2.9	2.0	1.75
28	29.4		1.30	2.1	1.2		30.1		4.8	2.9	2.0	1.80
29	30.4	+0.25 -0	1.30	2.1	1.2	+0.5 -0.25	31.1	+0.5 -0.25	4.8	3.0	2.0	1.88
30	31.4		1.30	2.1	1.2		32.1		4.8	3.0	2.0	2.06
31	32.7		1.30	2.6	1.2		33.4		5.2	3.1	2.5	2.10
32	33.7	+0.25 -0	1.30	2.6	1.2	+0.5 -0.25	34.4	+0.5 -0.25	5.4	3.2	2.5	2.21
33	34.7		1.30	2.6	1.2		35.5		5.4	3.3	2.5	2.40
34	35.7		1.60	2.6	1.5		36.5		5.4	3.3	2.5	3.20
35	37.0	+0.25 -0	1.60	3.0	1.5	+0.5 -0.25	37.8	+0.5 -0.25	5.4	3.4	2.5	3.54
36	38.0		1.60	3.0	1.5		38.8		5.4	3.5	2.5	3.70
37	39.0		1.60	3.0	1.5		39.8		5.5	3.6	2.5	3.74
38	40.0	+0.25 -0	1.60	3.0	1.5	+0.9 -0.39	40.8	+0.9 -0.39	5.5	3.7	2.5	3.90
39	41.0		1.60	3.0	1.5		42.0		5.6	3.8	2.5	4.00
40	42.5		1.85	3.8	1.75		43.5		5.8	3.9	2.5	4.70
41	43.5	+0.25 -0	1.85	3.8	1.75	+0.9 -0.39	44.5	+0.9 -0.39	5.9	4.0	2.5	5.10
42	44.5		1.85	3.8	1.75		45.5		5.9	4.1	2.5	5.40
43	45.5		1.85	3.8	1.75		46.5		5.9	4.2	2.5	5.60
44	46.5	+0.25 -0	1.85	3.8	1.75	+0.9 -0.39	47.5	+0.9 -0.39	6.0	4.2	2.5	5.80

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 33'e kadar)
C 75 - DIN 17222 - UNI 7064 (d1 34' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

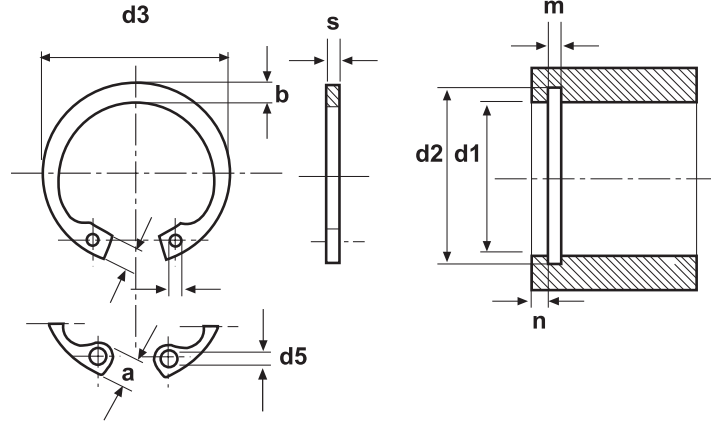
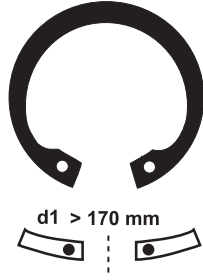
Sekmanci

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DIN 472 J

DELİK - YUVA İÇİN



d1	MONTAJ ÖLÇÜLERİ			SEGMAN ÖLÇÜLERİ							1000 adet/kg.	
	d2		m H 13	n min	S		d3		a max.	b ≈		d5 min.
45	47.5	+0.25 - 0	1.85	3.8	1.75	+0 - 0.06	48.5	+0.9 - 0.39	6.2	4.3	2.5	6.000
46	48.5		1.85	3.8	1.75		49.5	6.3	4.4	2.5	6.050	
47	49.5		1.85	3.8	1.75		50.5	6.4	4.4	2.5	6.100	
48	50.5		1.85	3.8	1.75		51.5	6.4	4.5	2.5	6.700	
50	53.0		2.15	4.5	2.0		54.2	6.5	4.6	2.5	7.300	
51	54.0		2.15	4.5	2.0		55.2	6.5	4.7	2.5	7.750	
52	55.0		2.15	4.5	2.0		56.2	6.7	4.7	2.5	8.200	
53	56.0		2.15	4.5	2.0		57.2	6.7	4.9	2.5	8.220	
54	57.0		2.15	4.5	2.0		58.2	6.7	5.0	2.5	8.250	
55	58.0		2.15	4.5	2.0		59.2	6.8	5.0	2.5	8.300	
56	59.0	+0.30 - 0	2.15	4.5	2.0	60.2	+1.1 - 0.46	6.8	5.1	2.5	8.800	
57	60.0		2.15	4.5	2.0	61.2	6.8	5.1	2.5	9.400		
58	61.0		2.15	4.5	2.0	62.2	6.9	5.2	2.5	10.50		
60	63.0		2.15	4.5	2.0	64.2	7.3	5.4	2.5	11.10		
62	65.0		2.15	4.5	2.0	66.2	7.3	5.5	2.5	11.20		
63	66.0		2.15	4.5	2.0	67.2	7.3	5.6	2.5	12.40		
64	67.0		2.15	4.5	2.0	68.2	7.4	5.7	2.5	12.45		
65	68.0		2.65	4.5	2.5	69.2	7.6	5.8	3.0	14.30		
67	70.0		2.65	4.5	2.5	71.5	7.7	6.0	3.0	15.30		
68	71.0		2.65	4.5	2.5	72.5	7.8	6.1	3.0	16.00		
70	73.0	+0.35 - 0	2.65	4.5	2.5	74.5	+1.3 - 0.54	7.8	6.2	3.0	16.50	
72	75.0		2.65	4.5	2.5	76.5	7.8	6.4	3.0	18.10		
75	78.0		2.65	4.5	2.5	79.5	7.8	6.6	3.0	18.80		
77	80.0		2.65	4.5	2.5	82.5	8.5	6.8	3.0	20.40		
78	81.0		2.65	4.5	2.5	82.5	8.5	6.8	3.0	20.40		
80	83.5		2.65	5.3	2.5	85.5	8.5	7.0	3.0	22.00		
82	85.5		2.65	5.3	2.5	87.5	8.5	7.0	3.0	24.00		
85	88.5		3.15	5.3	3.0	90.5	8.6	7.2	3.5	25.30		
87	90.5		3.15	5.3	3.0	93.5	8.6	7.4	3.5	31.00		
88	91.5		3.15	5.3	3.0	93.5	8.6	7.4	3.5	31.00		
90	93.5	+0.08 - 0.08	3.15	5.3	3.0	95.5	8.6	7.6	3.5	33.00		
92	95.5		3.15	5.3	3.0	97.5	8.7	7.8	3.5	35.00		
95	98.5		3.15	5.3	3.0	100.5	8.8	8.1	3.5	37.00		
97	100.5		3.15	5.3	3.0	103.5	9.0	8.3	3.5	41.00		
98	101.5		3.15	5.3	3.0	103.5	9.0	8.3	3.5	41.00		
100	103.5		3.15	5.3	3.0	105.5	9.2	8.4	3.5	42.00		

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 33'e kadar)
C 75 - DIN 17222 - UNI 7064 (d1 34' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

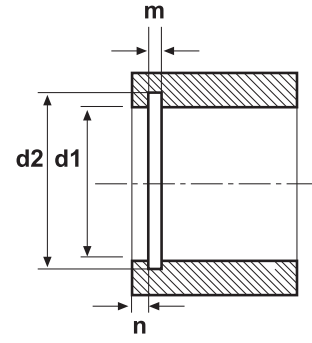
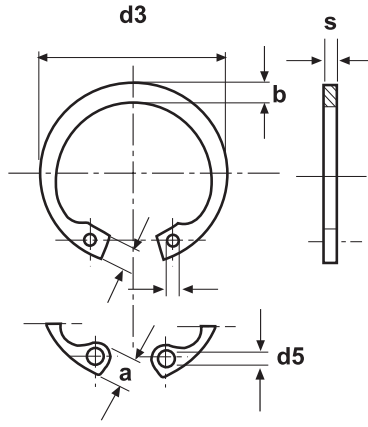
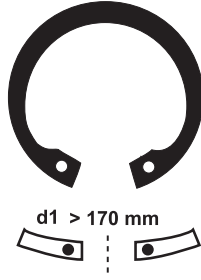
Sekmanci

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DIN 472 J

DELİK - YUVA İÇİN



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						1000 adet/kg.	
	d2		m H 13	n min	S		d3		a max.	b		d5 min.
102	106	+0.64 - 0	4.15	6.0	4.0	+0.1	108	+1.3 - 0.64	9.5	8.5	3.5	55.0
105	109		4.15	6.0	4.0		112		9.5	8.7	3.5	56.0
107	111		4.15	6.0	4.0		114		9.5	8.9	3.5	60.0
108	112		4.15	6.0	4.0		115		9.5	8.9	3.5	60.0
110	114		4.15	6.0	4.0		117		10.4	9.0	3.5	64.5
112	116		4.15	6.0	4.0		119		10.5	9.1	3.5	72.0
115	119	+0.63 - 0	4.15	6.0	4.0	+0.1	122	+1.5 - 0.63	10.5	9.3	3.5	74.5
117	121		4.15	6.0	4.0		124		10.7	9.6	3.5	75.0
118	122		4.15	6.0	4.0		125		10.7	9.6	3.5	75.5
120	124		4.15	6.0	4.0		127		11.0	9.7	3.5	77.0
122	126		4.15	6.0	4.0		129		11.0	9.8	4.0	78.0
125	129		4.15	6.0	4.0		132		11.0	10.0	4.0	79.0
127	131		4.15	6.0	4.0		134		11.0	10.0	4.0	81.0
128	132		4.15	6.0	4.0		135		11.0	10.2	4.0	81.0
130	134		4.15	6.0	4.0		137		11.0	10.2	4.0	82.0
132	136		4.15	6.0	4.0		139		11.0	10.3	4.0	83.0
135	139		4.15	6.0	4.0		142		11.2	10.5	4.0	84.0
137	141		4.15	6.0	4.0		145		11.2	10.6	4.0	86.0
138	142		4.15	6.0	4.0		145		11.2	10.6	4.0	86.0
140	144		4.15	6.0	4.0		147		11.2	10.7	4.0	87.5
142	146		4.15	6.0	4.0		149		11.3	10.8	4.0	89.0
145	149		4.15	6.0	4.0		152		11.4	10.9	4.0	93.0
147	151		4.15	6.0	4.0		155		11.8	11.1	4.0	100.0
148	152		4.15	6.0	4.0		155		11.8	11.1	4.0	100.0
150	155	4.15	7.5	4.0	158	12.0	11.2	4.0	105.0			
155	160	4.15	7.5	4.0	164	12.0	11.4	4.0	107.0			
160	165	4.15	7.5	4.0	169	13.0	11.6	4.0	110.0			
165	170	4.15	7.5	4.0	174.5	13.0	11.8	4.0	125.0			
170	175	4.15	7.5	4.0	179.5	13.5	12.2	4.0	140.0			
175	180	4.15	7.5	4.0	184.5	13.5	12.7	4.0	150.0			
180	185	4.15	7.5	4.0	189.5	14.2	13.2	4.0	165.0			
185	190	4.15	7.5	4.0	194.5	14.2	13.7	4.0	170.0			
190	195	4.15	7.5	4.0	199.5	14.2	13.8	4.0	175.0			
195	200	4.15	7.5	4.0	204.5	14.2	13.8	4.0	183.0			
200	205	4.15	7.5	4.0	209.5	14.2	14.0	4.0	195.0			
205	211	+0.72 - 0	5.15	9.0	5.0	+0.12	217	+1.7 - 0.72	14.2	14.0	4.0	225.0
210	216		5.15	9.0	5.0		222		14.2	14.0	4.0	270.0

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 33'e kadar)
C 75 - DIN 17222 - UNI 7064 (d1 34' den 200' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 200' e)

Makvo

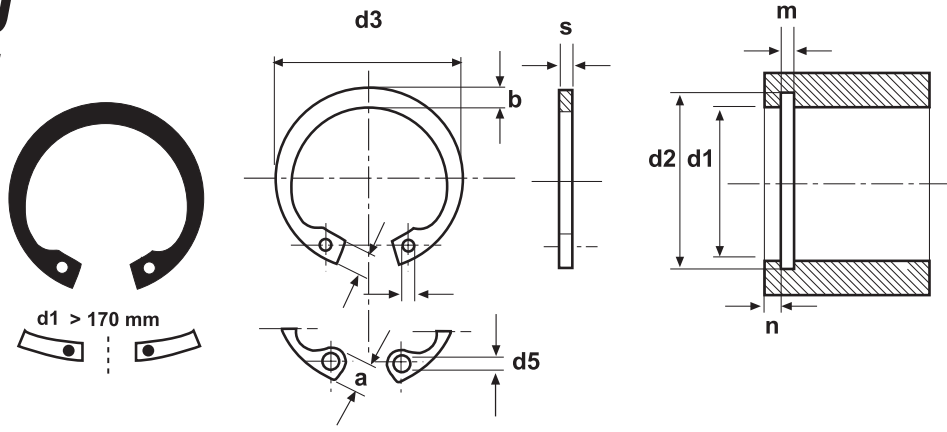
Sekmancı

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DIN 472 J

DELİK - YUVA İÇİN



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						1000 adet/kg.	
	d2		m H 13	n min	S	d3		a max.	b	d5 min.		
215	221	+0.72 -0	5.15	9.0	5.0	+0 -0.12	227.0	+1.3 -0.54	14.2	14.0	4.0	300.0
220	226		5.15	9.0	5.0		232.0		14.2	14.0	4.0	315.0
225	231		5.15	9.0	5.0		237.0		14.2	14.0	4.0	323.0
230	236		5.15	9.0	5.0		242.0		14.2	14.0	4.0	330.0
235	241		5.15	9.0	5.0		247.0		14.2	14.0	4.0	338.0
240	246		5.15	9.0	5.0		252.0		14.2	14.0	4.0	345.0
245	251		5.15	9.0	5.0		257.0		14.2	14.0	4.0	353.0
250	256		5.15	9.0	5.0		262.0		14.2	14.0	4.0	360.0
255	263		5.15	12.0	5.0		270.0		16.2	16.0	5.0	368.0
260	268		5.15	12.0	5.0		275.0		16.2	16.0	5.0	375.0
265	273	+0.81 -0	5.15	12.0	5.0	280.0	16.2	16.0	5.0	383.0		
270	278		5.15	12.0	5.0	285.0	16.2	16.0	5.0	388.0		
275	283		5.15	12.0	5.0	290.0	16.2	16.0	5.0	393.0		
280	288		5.15	12.0	5.0	295.0	16.2	16.0	5.0	400.0		
285	293		5.15	12.0	5.0	300.0	16.2	16.0	5.0	408.0		
290	298		5.15	12.0	5.0	305.0	16.2	16.0	5.0	415.0		
295	303		5.15	12.0	5.0	310.0	16.2	16.0	5.0	426.0		
300	308		5.15	12.0	5.0	315.0	16.2	16.0	5.0	435.0		
310	320		+0.89 -0	6.20	15.0	6.0	327.0		20.0	6.0	770.0	
315	325			6.20	15.0	6.0	332.0		20.0	6.0	785.0	
320	330	6.20		15.0	6.0	337.0		20.0	6.0	800.0		
325	335	6.20		15.0	6.0	342.0		20.0	6.0	810.0		
330	340	6.20		15.0	6.0	347.0		20.0	6.0	820.0		
340	350	6.20		15.0	6.0	357.0		20.0	6.0	840.0		
350	360	6.20		15.0	6.0	367.0		20.0	6.0	870.0		
360	370	6.20		15.0	6.0	377.0		20.0	6.0	890.0		
370	380	6.20		15.0	6.0	387.0		20.0	6.0	920.0		
380	390	6.20		15.0	6.0	397.0		20.0	6.0	940.0		
390	400	+1.00 -0	6.20	15.0	6.0	407.0		20.0	6.0	960.0		
400	410		6.20	15.0	6.0	417.0		20.0	6.0	980.0		
410	422		7.20	18.0	7.0	430.0		26.0	6.0	1.380		
420	432		7.20	18.0	7.0	440.0		26.0	6.0	1.410		
430	442		7.20	18.0	7.0	450.0		26.0	6.0	1.440		
440	452		7.20	18.0	7.0	460.0		26.0	6.0	1.470		
450	462		7.20	18.0	7.0	470.0		26.0	6.0	1.510		
460	472		7.20	18.0	7.0	480.0		26.0	6.0	1.550		
470	482		7.20	18.0	7.0	490.0		26.0	6.0	1.595		
480	492		7.20	18.0	7.0	500.0		26.0	6.0	1.640		
490	502		7.20	18.0	7.0	510.0		26.0	6.0	1.685		
500	512		7.20	18.0	7.0	520.0	+3.0 -1.50	26.0	6.0	1.730		

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 33'e Kadar)
C 75 - DIN 17222 - UNI 7064 (d1 34' den 200' e)
HRC: 40 / 47 (d1 205'den 300'e)
HRC: 38 / 43 (d1 305'den 1000'e)

Makvo

Sekmanci

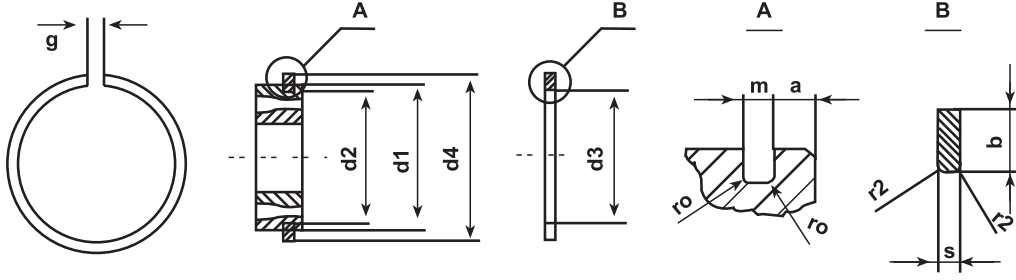
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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DIN 5417

Sp Sekmanları

MİL - ŞAFT ve RULMANLAR İÇİN SEKMANLAR



d1 (h 10)	MONTAJ ÖLÇÜLERİ					SEGMAN ÖLÇÜLERİ								
	S	Tolerans	d3	Tolerans	b	Tolerans	g	r2 Min	d2	Tolerans	m	Tolerans	ro max	1000 Adet/kg.
30	1.12	0 - 0.020	27.4	+ 0.25 - 0.25	3.25	0 - 0.15	3.0	0.4	28.17	0 - 0.25 (h10)	1.35	0 + 0.30	0.4	2.80
32	1.12		29.4		3.25		3.0	0.4	30.15		1.35		0.4	3.00
35	1.12		32.4		3.25		3.0	0.4	33.17		1.35		0.4	3.20
37	1.12		34.0		3.25		3.0	0.4	34.77		1.35		0.4	3.40
40	1.12	0 - 0.010	37.3	0 + 0.50	3.25		3.0	0.4	38.10	0 - 0.50 (h10)	1.35		0.4	3.60
42	1.12		38.9		3.25		3.0	0.4	39.75		1.35		0.4	3.80
47	1.12		43.7		4.04		4.0	0.4	44.60		1.35		0.4	5.30
50	1.12		46.7		4.04		4.0	0.4	47.60		1.35		0.4	5.80
52	1.12	0 - 0.010	48.8	0 + 0.80	4.04		4.0	0.4	49.73	0 - 0.50 (h10)	1.35		0.4	5.90
55	1.12		51.7		4.04		4.0	0.4	52.60		1.35		0.4	6.20
62	1.70		58.2		4.04		4.0	0.6	59.61		1.90		0.6	10.50
65	1.70		61.2		4.04		4.0	0.6	62.60		1.90		0.6	11.00
68	1.70	0 - 0.010	63.4	0 + 1.0	4.85		5.0	0.6	64.82	0 - 0.50 (h10)	1.90		0.6	12.60
72	1.70		67.4		4.85		5.0	0.6	68.81		1.90		0.6	14.70
75	1.70		70.4		4.85		5.0	0.6	71.83		1.90		0.6	15.30
80	1.70		75.4		4.85		5.0	0.6	76.81		1.90		0.6	16.30
85	1.70	0 - 0.010	80.4	0 + 1.60	4.85		5.0	0.6	81.81	0 - 0.50 (h10)	1.90		0.6	17.50
90	2.46		85.4		4.85		5.0	0.7	86.79		2.70		0.6	26.60
95	2.46		90.4		4.85		5.0	0.7	91.82		2.70		0.6	28.20
100	2.46		95.2		4.85		5.0	0.7	96.80		2.70		0.6	29.20
110	2.46	0 - 0.010	105.2	0 + 1.80	4.85		5.0	0.7	106.80	0 - 0.50 (h10)	2.70		0.6	32.80
120	2.82		113.6		7.21		7.0	0.7	115.20		3.10		0.6	60.60
130	2.82		123.6		7.21		7.0	0.7	125.21		3.10		0.6	65.60
140	2.82		133.0		7.21		7.0	0.7	135.22		3.10		0.6	70.60
150	2.82	0 - 0.010	142.9	0 + 1.80	7.21		7.0	0.7	145.23	0 - 0.50 (h10)	3.10		0.6	77.20
160	2.82		152.9		7.21		7.0	0.7	155.22		3.10		0.6	81.00
170	3.10		161.3		9.60		10.0	0.7	163.65		3.50		0.6	122.00
180	3.10		171.2		9.60		10.0	0.7	173.65		3.50		0.6	128.00
190	3.10	0 - 0.010	181.0	0 + 1.80	9.60		10.0	0.7	183.64	0 - 0.50 (h10)	3.50		0.6	139.00
200	3.10		191.0		9.60		10.0	0.7	193.65		3.50		0.6	148.00

MALZEME

Yay Çeliği: HRC : 45 / 50

Makvo

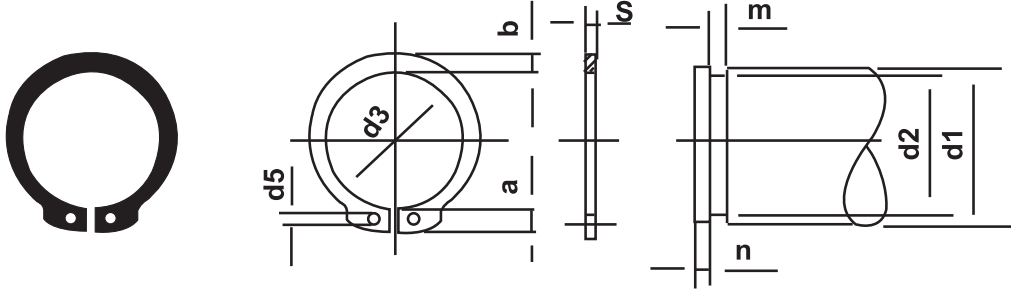
Sekmancı

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DIN 471 AS

AĞIR SERİ MİL - ŞAFT İÇİN KALIN SEKMANLAR



d1	MONTAJ ÖLÇÜLERİ					SEGMAN ÖLÇÜLERİ					1000 adet/kg.	
	d2		m H 13	n min	S	d3		a max.	b ≈	d5 min.		
10	9.6	+0 -0.06 +0 -0.11	1.3	0.6	1.2	+0 -0.06	9.3	+0.10 -0.036	3.8	1.9	1.7	0.515
12	11.5		1.6	0.7	1.2		11.0		3.4	1.8	1.7	0.750
12	11.5		1.6	0.8	1.5		11.0		4.0	1.9	1.7	0.730
14	13.4		1.3	0.9	1.2		12.9		4.5	2.2	1.7	0.780
15	14.2		1.6	1.2	1.2		13.8		3.7	2.0	1.7	1.200
15	14.3		1.6	1.1	1.5		13.8		4.8	2.4	2.0	1.140
16	15.2		1.6	1.2	1.5		14.7		3.6	2.3	1.7	1.200
17	16.2		1.3	1.2	1.2		15.7		5.0	2.3	2.0	0.956
17	16.2		1.6	1.5	1.5		15.7		3.8	2.6	1.7	1.240
18	16.8		1.6	1.8	1.5		16.3		3.9	2.4	2.0	1.540
19	17.8	1.6	1.8	1.5	17.5	4.0	2.5	2.0	1.450			
19	18.0	+0 -0.13	1.85	1.5	1.75	17.5	5.3	2.8	2.0	1.823		
20	19.0		1.6	1.5	1.5	18.5	5.5	2.6	2.0	1.709		
20	19.0		1.85	1.8	1.75	18.5	4.3	3.0	2.0	2.250		
22	21.0		1.85	1.5	1.75	20.5	4.3	3.1	2.0	2.300		
24	22.7		1.85	1.9	1.75	22.1	4.3	3.2	2.0	2.700		
25	23.9		1.60	1.7	1.50	23.2	6.4	3.4	2.0	2.400		
25	23.9		2.15	1.9	2.0	23.2	4.4	3.4	2.0	3.350		
26	24.9		2.15	2.1	2.0	23.6	5.6	3.3	2.5	3.650		
27	25.6		2.15	2.3	2.0	24.7	5.6	3.4	3.0	3.850		
28	26.6		2.15	2.1	2.0	25.9	6.5	3.5	2.5	3.900		
29	27.6	+0 -0.21	2.15	2.1	2.0	27.9	5.7	3.8	2.0	4.300		
30	28.3		2.15	2.1	2.0	27.9	5.1	3.8	2.0	4.500		
30	28.6		2.65	2.5	2.5	29.6	6.5	4.1	2.0	6.000		
32	30.3		2.15	2.4	2.0	29.6	6.5	4.1	3.0	5.300		
32	30.3		2.65	2.6	2.5	31.5	6.3	4.2	2.5	6.100		
34	32.1		2.65	2.8	2.5	31.5	6.6	4.2	3.0	6.500		
35	33.0		2.65	3.0	2.5	32.2	6.3	4.2	3.0	7.200		
36	33.8		2.65	3.3	2.5	38.2	6.3	4.2	3.0	7.500		
38	36.8		2.65	3.3	2.5	38.2	5.5	4.5	2.5	8.000		
38	36.0		3.15	3.0	3.0	+0 -0.08 36.5	5.7	4.3	2.5	10.48		
40	37.5	2.65	3.3	2.5	+0 -0.07 36.5	7.0	4.4	2.5	8.170			
40	37.5	+0 -0.25	3.15	3.8	3.0	+0 -0.08 38.5	7.0	4.4	2.5	11.20		
42	39.5		2.65	3.8	2.5	+0 -0.07 38.5	6.5	4.5	2.5	9.600		
42	39.5		3.15	3.8	3.0	+0 -0.08 40.5	7.2	4.5	2.5	10.400		
44	41.5		2.65	3.8	2.5	+0 -0.06 40.5	6.5	4.5	2.5	10.400		
45	42.5		2.65	3.8	2.5	+0 -0.07 41.5	6.7	4.7	2.5	10.500		
45	42.5		3.15	3.8	3.0	+0 -0.08 41.5	7.5	4.7	2.5	12.200		
46	43.5		2.15	3.8	2.0	42.5	7.6	4.8	2.5	8.930		
48	45.5		2.65	3.8	2.5	+0 -0.07 44.5	6.5	5.0	2.5	12.200		
50	47		3.15	4.5	3.0	45.8	6.9	5.1	2.5	14.800		
52	49		+0 -0.30	3.15	4.5	3.0	47.8	7.0	5.2	2.5	15.400	
55	52	3.15		4.5	3.0	50.8	7.2	5.4	2.5	17.000		
58	55	3.15		4.5	3.0	53.8	7.3	5.6	2.5	19.400		
60	57	3.15		4.5	3.0	55.8	7.4	5.8	2.5	20.000		
65	62	4.15		4.5	4.0	60.8	7.5	6.3	3.0	31.000		
70	67	4.15		4.5	4.0	65.5	8.7	6.6	3.0	32.000		
75	72	4.15		4.5	4.0	70.5	8.4	7.0	3.0	39.800		
80	76.5	4.15		5.3	4.0	74.5	8.0	7.4	3.0	42.400		
85	81.5	+0 -0.35		4.15	5.3	4.0	79.5	8.7	7.8	3.5	47.000	
90	86.5			4.15	5.3	4.0	84.5	8.8	8.2	3.5	55.600	
100	96.5		4.15	5.3	4.0	94.5	9.6	9.0	3.5	72.000		

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 48'e kadar)
C 75 - DIN 17222 - UNI 7064 (d1 50' den 100' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 100' e)

Makvo

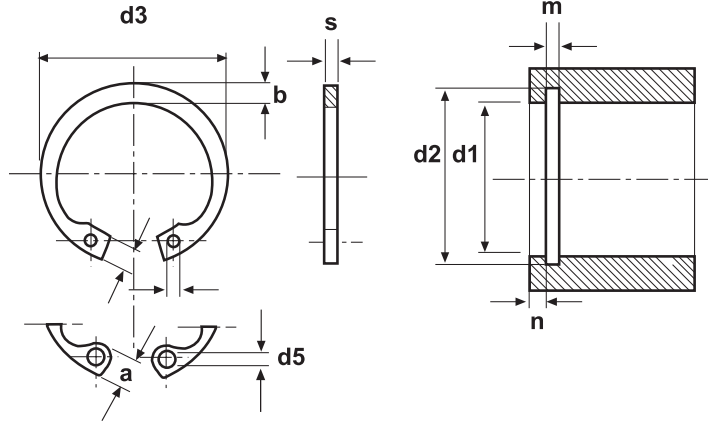
Sekmançı

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DIN 472 JS

AĞIR, SERİ YUVA - DELİK İÇİN KALIN SEKMANLARI



d1	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						1000 adet/kg.
	d2	m H 13	n min	S	d3	a max.	b ≈	d5 min.			
14	14.6	+0.11 -0	1.3	0.9	1.2	+0.42 -0.13	15.1	3.9	2.0	1.7	0.56
17	17.8		1.3	1.2	1.2		18.3	4.1	2.2	1.7	0.75
19	20.0		1.3	1.5	1.2		20.5	4.2	2.3	2.0	0.86
20	21.0		1.6	1.5	1.5		21.5	4.1	2.4	2.0	1.40
22	23.0		1.3	1.5	1.2		23.5	4.7	2.8	2.0	1.15
22	23.0		1.6	1.5	1.5		23.5	4.8	2.8	2.0	1.90
24	25.2	+0.21 -0	1.4	1.8	1.3	+0.42 -0.21	25.9	4.9	3.0	2.0	1.40
24	25.2		1.6	1.8	1.5		25.9	4.9	3.0	2.0	2.00
25	26.2		1.6	1.8	1.5		26.9	4.9	3.1	2.0	2.10
27	28.4		1.4	2.1	1.3		29.1	5.2	3.1	2.0	2.10
27	28.4		1.6	2.1	1.5		29.1	5.1	3.2	2.0	2.40
27	28.4		2.15	2.1	2.0		29.1	5.2	3.1	2.0	2.61
28	29.4	+0.25 -0	1.6	2.1	1.5	+0.50 -0.25	30.1	5.1	3.2	2.0	2.50
29	30.4		1.6	2.1	1.5		31.1	5.5	3.2	2.0	2.08
30	31.4		1.6	2.1	1.5		32.1	5.1	3.3	2.0	2.70
32	33.7		1.6	2.6	1.5		34.4	5.4	3.4	2.0	2.90
34	35.7		1.85	2.6	1.75		36.5	5.6	3.7	2.5	4.10
35	37.0		1.85	3.0	1.75		37.8	5.6	3.8	2.5	4.50
35	37.0	+0.25 -0	2.15	3.0	2.0	+0.90 -0.39	37.8	6.0	3.8	2.5	4.50
37	39.0		1.85	3.0	1.75		39.8	5.8	3.9	2.5	4.70
38	40.0		1.85	3.0	1.75		40.8	5.8	3.9	2.5	4.80
38	40.0		2.15	3.0	2.0		40.8	6.3	3.9	2.5	4.60
39	41.0		1.85	3.5	1.75		42.0	6.5	3.9	2.5	4.51
40	42.5		2.15	3.8	2.0		43.5	5.9	3.9	2.5	5.10
42	44.5	+0.30 -0	2.15	3.8	2.0	+1.10 -0.46	45.5	5.9	4.1	2.5	6.60
45	47.5		2.15	3.8	2.0		48.5	6.2	4.3	2.5	6.30
47	49.5		2.15	3.8	2.0		50.5	6.4	4.3	2.5	6.70
47	49.5		3.15	3.8	3.0		50.5	7.2	4.4	2.5	12.22
48	50.5		2.65	3.8	2.5		51.5	7.5	4.4	2.5	9.570
50	53.0		2.65	4.5	2.5		54.2	6.9	4.6	2.5	8.80
50	53.0	+0.35 -0	3.15	4.5	3.0	+1.30 -0.54	54.2	7.7	4.6	2.5	12.80
52	55.0		2.65	4.5	2.5		56.2	6.7	4.7	2.5	9.90
52	55.0		3.15	4.5	3.0		56.2	8.0	4.7	2.5	13.59
55	58.0		2.65	4.5	2.5		59.2	6.8	5.0	2.5	13.20
57	60.0		2.65	4.5	2.5		61.2	8.5	5.0	2.5	13.25
60	63.0		3.15	4.5	3.0		64.2	7.3	5.4	2.5	15.80
62	65.0	+0.30 -0	3.15	4.5	3.0	+0.10 -0.08	66.2	7.3	5.5	2.5	16.10
65	68.0		3.15	4.5	3.0		69.2	7.6	5.5	3.0	16.60
65	68.0		4.15	4.5	4.0		69.2	8.8	5.8	3.0	27.35
68	71.0		3.15	4.5	3.0		72.5	7.8	6.1	3.0	17.20
70	73.0		3.15	4.5	3.0		74.5	7.8	6.2	3.0	18.00
72	75.0		3.15	4.5	3.0		76.5	7.8	6.4	3.0	21.70
75	78.0	+0.35 -0	3.15	4.5	3.0	+0.10 -0.10	79.5	7.8	6.6	3.0	22.60
80	83.5		4.15	5.3	4.0		85.5	8.1	7.0	3.0	33.20
85	88.5		4.15	5.3	4.0		90.5	8.6	7.2	3.5	33.80
90	93.5		4.15	5.3	4.0		95.5	8.6	7.6	3.5	41.20
95	98.5		4.15	5.3	4.0		100.5	8.8	8.1	3.5	46.00
100	103.5		4.15	5.3	4.0		105.5	9.2	8.4	3.5	50.70
105	109.0	+0.35 -0	5.15	6.0	5.0	+0.12 -0.12	112.0	10.2	8.7	4.0	70.00
110	114.0		5.15	6.0	5.0		117.0	10.4	9.0	4.0	81.00
115	119.0		5.15	6.0	5.0		122.0	10.5	9.3	4.0	94.00
120	124.0		5.15	6.0	5.0		127.0	11.2	9.7	4.0	98.00
125	129.0		5.15	6.0	5.0		132.0	11.2	10.0	4.0	102.00
130	134.0		5.15	6.0	5.0		137.0	11.2	10.2	4.0	105.00
135	139.0	+0.35 -0	5.15	6.0	5.0	+0.12 -0.12	142.0	11.2	10.5	4.0	107.00
140	144.0		5.15	6.0	5.0		147.0	11.2	10.7	4.0	110.00
145	149.0		5.15	6.0	5.0		152.0	11.2	10.9	4.0	116.00
150	155.0		5.15	7.5	5.0		158.0	12.2	11.2	4.0	131.00

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064 (d1 48'e kadar)
C 75 - DIN 17222 - UNI 7064 (d1 50' den 150' e)
HRC: 47 / 54 (d1 için üst sınır 48)
HRC: 44 / 51 (d1 için 50' den 100' e)

Makvo

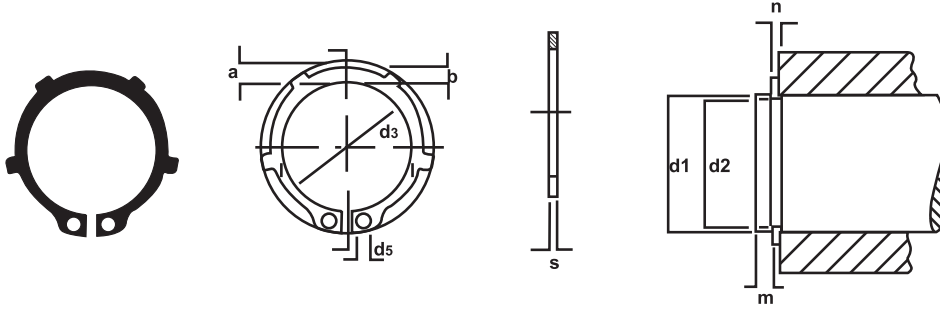
Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

Perpa İş Merkezi Kat: 7-8 No: 999 34384 OKMEYDANI / İSTANBUL
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DIN 983 AK

MİL - ŞAFT İÇİN DIŞTAN TIRNAKLI SEKMANLAR



mm d1	KOD	Sekman								Yuva			
		s	Tolerans	d3	Tolerans	a max.	b	d5 min.	1000 adet/kg.	d ²	Tolerans	m* min.	n
16	AK 16	1.00	- 0.06	14.7	+ 0.10 - 0.36	3.5	2.3	1.7	0.82	15.2	- 0.11	1.10	1.2
17	AK 17	1.00		15.7		3.6	2.4	1.7	0.93	16.2		1.10	1.2
18	AK 18	1.20		16.5		3.7	2.5	2.0	1.24	17.0		1.30	1.5
19	AK 19	1.20		17.5	+ 0.13 - 0.42	3.7	2.6	2.0	1.35	18.0	- 0.15	1.30	1.5
20	AK 20	1.20		18.5		3.8	2.6	2.0	1.45	19.0		1.30	1.5
22	AK 22	1.20		20.5		4.0	2.8	2.0	1.77	21.0		1.30	1.5
23	AK 23	1.20		21.5	+ 0.21 - 0.42	4.1	2.9	2.0	1.84	22.0	- 0.21	1.30	1.5
24	AK 24	1.20				4.2	3.0	2.0	1.98	22.9		1.30	1.6
25	AK 25	1.20		23.2		4.3	3.0	2.0	2.12	23.9		1.30	1.6
26	AK 26	1.20		24.2		4.4	3.1	2.0	2.18	24.9		1.30	1.6
28	AK 28	1.50		25.9	+ 0.25 - 0.50	4.5	3.3	2.0	3.15	26.6	- 0.25	1.60	1.6
29	AK 29	1.50		26.9		4.7	3.4	2.0	3.35	27.6		1.60	2.1
30	AK 30	1.50		27.9		4.7	3.4	2.0	3.65	28.6		1.60	2.1
32	AK 32	1.50		29.6		5.0	3.6	2.5	4.00	30.3	- 0.25	1.60	2.1
34	AK 34	1.50	- 0.07	31.5	+ 0.39 - 0.90	5.1	3.8	2.5	4.15	32.3		1.60	2.5
35	AK 35	1.50		32.2		5.2	3.8	2.5	4.38	33.0		1.60	2.5
37	AK 37	1.75		34.2		5.4	4.0	2.5	6.30	35.0		1.85	3.0
38	AK 38	1.75		35.2		5.5	4.1	2.5	6.50	36.0		1.85	3.0
40	AK 40	1.75		36.5	+ 0.46 - 1.10	7.2	4.2	2.5	7.00	37.5	- 0.30	1.85	3.0
42	AK 42	1.75		38.5		7.2	4.5	2.5	7.50	39.5		1.85	3.0
45	AK 45	1.75		41.5		7.2	4.6	2.5	8.50	42.5		1.85	3.8
47	AK 47	1.75		43.5		7.2	4.8	2.5	8.70	44.5		1.85	3.8
48	AK 48	1.75		44.5	+ 0.54 - 1.30	7.2	4.9	2.5	8.90	45.5	- 0.35	1.85	3.8
50	AK 50	2.00		45.8		8.2	5.0	2.5	11.55	47.0		2.15	4.5
55	AK 55	2.00		50.8		8.2	5.4	2.5	12.99	52.0	- 0.30	2.15	4.5
57	AK 57	2.00		52.8	+ 0.54 - 1.30	8.2	5.6	2.5	14.00	54.0		2.15	4.5
58	AK 58	2.00		53.8		8.2	5.7	2.5	14.30	55.0		2.15	4.5
60	AK 60	2.00		55.8		8.2	5.8	2.5	14.80	57.0		2.15	4.5
62	AK 62	2.00	- 0.08	57.8	+ 0.54 - 1.30	8.2	5.9	2.5	15.90	59.0	- 0.30	2.15	4.5
65	AK 65	2.50		60.8		10.2	6.2	3.0	21.70	62.0		2.65	4.5
67	AK 67	2.50		62.5		10.2	6.4	3.0	22.60	64.0		2.65	4.5
68	AK 68	2.50		63.5		10.2	6.5	3.0	23.50	65.0		2.65	4.5
70	AK 70	2.50	- 0.10	65.5	+ 0.54 - 1.30	10.2	6.6	3.0	25.10	67.0	- 0.35	2.65	4.5
75	AK 75	2.50		70.5		10.2	7.0	3.0	28.20	72.0		2.65	4.5
80	AK 80	2.50		74.5		10.2	7.4	3.0	30.75	76.5		2.65	5.3
85	AK 85	3.00		79.5		10.2	7.8	3.5	39.50	81.5	- 0.54	3.15	5.3
90	AK 90	3.00	- 0.08	84.5	+ 0.54 - 1.30	10.2	8.2	3.5	47.70	86.5		3.15	5.3
95	AK 95	3.00		89.5		10.2	8.6	3.5	53.00	91.5		3.15	5.3
100	AK 100	3.00		94.5		10.2	9.0	3.5	56.60	96.5		3.15	5.3
110	AK 110	4.00		103.0		12.2	9.6	3.5	84.60	106.0	- 0.63	4.15	6.0
120	AK 120	4.00	- 0.10	113.0	+ 0.54 - 1.30	14.2	10.1	3.5	89.70	116.0		4.14	6.0
130	AK 130	4.00		123.0		14.2	10.7	4.0	105.00	126.0	- 0.63	4.15	6.0
140	AK 140	4.00		133.0		14.2	11.2	4.0	115.00	136.0		4.15	6.0

MALZEME

Yay Çeliği: 16 - 48' e kadar HRC : 47 - 54
50 - 140' a kadar HRC : 44 - 51

Makvo

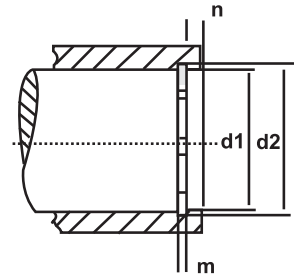
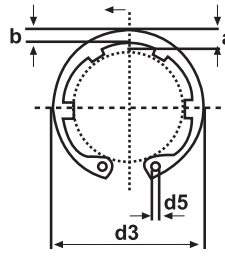
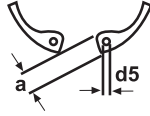
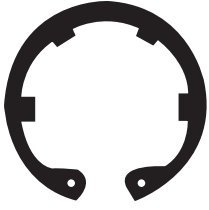
Sekmancı

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DIN 984 JK

DELİK YUVA İÇİN İÇTEN TIRNAKLI SEKMANLAR



d1	KOD	SEGMAN ÖLÇÜLERİ								MONTAJ ÖLÇÜLERİ		
		S	Tolerans	d3		a max.	b	d5 min.	1000 adet/kg.	d2	m min	n
16	JK 16	1.00	- 0.06	17.3	+ 0.42 - 0.13	3.4	2.1	1.7	0.72	16.8	1.10	1.2
17	JK 17	1.00		18.3		3.7	2.2	1.7	0.80	17.8	1.10	1.2
18	JK 18	1.00		19.5		4.1	2.3	2.0	0.90	19.0	1.10	1.5
19	JK 19	1.00		20.5		3.8	2.3	2.0	0.99	20.0	1.10	1.5
20	JK 20	1.00		21.5		3.9	2.4	2.0	1.06	21.0	1.10	1.5
22	JK 22	1.00		23.5	+ 0.42 - 0.21	4.0	2.6	2.0	1.28	23.0	1.10	1.5
24	JK 24	1.20		25.9		4.2	2.6	2.0	1.60	25.2	1.30	1.8
25	JK 25	1.20		26.9		4.4	2.8	2.0	1.72	26.2	1.30	1.8
26	JK 26	1.20		28.5		4.4	2.8	2.0	2.00	27.2	1.30	1.8
27	JK 27	1.20		29.1		4.5	2.9	2.0	2.00	28.4	1.30	2.1
28	JK 28	1.20		30.1	+ 0.50 - 0.25	4.9	3.0	2.0	2.10	29.4	1.30	2.1
30	JK 30	1.20		32.1		4.9	3.2	2.0	2.35	31.4	1.30	2.1
32	JK 32	1.20		34.4		5.1	3.3	2.5	2.50	33.7	1.30	2.5
34	JK 34	1.50		36.5		5.3	3.4	2.5	3.80	35.7	1.60	2.5
35	JK 35	1.50		37.8		5.5	3.6	2.5	4.00	37.0	1.60	3.0
36	JK 36	1.50		38.8	+ 0.90 - 0.39	5.6	3.6	2.5	4.15	38.0	1.60	3.0
38	JK 38	1.50		40.8		6.1	3.8	2.5	4.40	40.0	1.60	3.0
40	JK 40	1.75		43.5		7.2	4.0	2.5	5.30	42.5	1.85	3.8
42	JK 42	1.75		45.5		7.2	4.1	2.5	6.00	44.5	1.85	3.8
44	JK 44	1.75		47.5		7.2	4.2	2.5	6.45	46.5	1.85	3.8
45	JK 45	1.75		48.5	+ 1.10 - 0.46	7.2	4.3	2.5	6.60	47.5	1.85	3.8
47	JK 47	1.75		50.5		7.2	4.5	2.5	6.90	49.5	1.85	3.8
48	JK 48	1.75		51.5		7.2	4.5	2.5	7.50	50.5	1.85	3.8
50	JK 50	2.00	- 0.07	54.2		8.2	4.7	2.5	8.50	53.0	2.15	4.5
52	JK 52	2.00		56.2		8.2	4.7	2.5	9.40	55.0	2.15	4.5
55	JK 55	2.00		59.2		8.2	5.1	2.5	9.75	58.0	2.15	4.5
57	JK 57	2.00		61.2		8.2	5.2	2.5	11.65	60.0	2.15	4.5
58	JK 58	2.00		62.2		8.2	5.3	2.5	12.00	61.0	2.15	4.5
62	JK 62	2.00		66.2		8.2	5.6	2.5	12.75	65.0	2.15	4.5
65	JK 65	2.50		69.2		10.2	5.8	3.0	16.70	68.0	2.65	4.5
68	JK 68	2.50		72.5		10.2	6.1	3.0	19.30	71.0	2.65	4.5
70	JK 70	2.50		74.5		10.2	6.2	3.0	20.20	73.0	2.65	4.5
72	JK 72	2.50		76.5		10.2	6.4	3.0	21.20	75.0	2.65	4.5
75	JK 75	2.50	- 0.08	79.5	+ 1.30 - 0.54	10.2	6.6	3.0	22.60	78.0	2.65	4.5
80	JK 80	2.50		85.5		10.2	7.0	3.0	25.00	83.5	2.65	5.3
85	JK 85	3.00		90.5		12.2	7.4	3.5	30.10	88.5	3.15	5.3
90	JK 90	3.00		95.5		12.2	7.7	3.5	35.50	93.5	3.15	5.3
100	JK 100	3.00		105.5		12.2	8.5	3.5	43.50	103.5	3.15	5.3
110	JK 110	4.00	- 0.10	117.0	+ 0.30 - 0.63	12.2	9.0	3.5	73.00	114.0	4.15	6.0
115	JK 115	4.00		122.0		12.2	9.3	3.5	82.00	119.0	4.15	6.0
120	JK 120	4.00		127.0		12.2	9.6	3.5	87.00	124.0	4.15	6.0
125	JK 125	4.00		132.0		12.2	9.9	4.0	92.00	129.0	4.15	6.0
140	JK 140	4.00		148.0		14.2	10.7	4.0	112.0	144.0	4.15	6.0
150	JK 150	4.00		158.0		14.2	11.1	4.0	123.0	155.0	4.15	7.5
160	JK 160	4.00		169.0		14.2	11.8	4.5	133.0	165.0	4.15	7.5
170	JK 170	4.00		179.5		14.2	12.3	4.5	145.0	175.0	4.15	7.5

MALZEME

Yay Çeliği: 16 - 48'e kadar HRC : 47 - 54
50 - 170'e kadar HRC : 44 - 51

Makvo

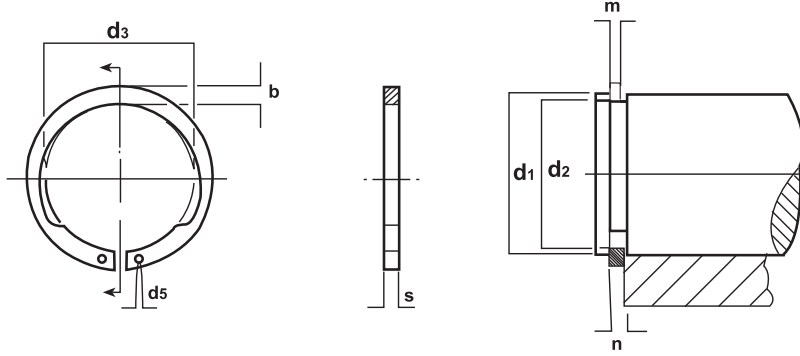
Sekmancı

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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DIN 5018 AV

SEKMANLARI ŞAFT - MİL İÇİN



d1	Serbest ölçüm d3	Tolerans	Kalınlık	Tolerans	max a	Genişlik b	min d5	Kanal Çapı d2	Tolerans	m min	1000 adet/kg.
AV 17	15.70	+ 0.10	1.00	+ 0 - 0.06	3.6	2.4	1.30	16.20	- 0.110	1.10	0.81
AV 18	16.50	- 0.36	1.20		3.7	2.6	1.50	17.00		1.30	1.14
AV 19	17.50		1.20		3.7	2.6	2.00	18.00		1.30	1.35
AV 20	18.50	+ 0.13 - 0.42	1.20		3.8	2.8	1.50	19.00	- 0.150	1.30	1.43
AV 22	20.50		1.20		4.0	3.0	1.50	21.00		1.30	1.63
AV 23	21.50	+ 0.21 - 0.42	1.20		4.1	3.1	1.50	22.00	- 0.210	1.30	1.78
AV 24	22.20		1.20		4.2	3.2	1.50	22.90		1.30	1.90
AV 25	23.20		1.20		4.3	3.4	1.50	23.90		1.30	2.10
AV 26	24.20		1.20		4.4	3.5	1.50	24.90		1.30	2.18
AV 28	25.90		1.50		4.5	3.8	2.00	26.60		1.60	3.48
AV 29	26.90	+ 0.25 - 0.50	1.50	+ 0 - 0.07	4.7	3.4	2.00	27.60	- 0.250	1.60	3.35
AV 30	27.90		1.50		4.7	3.9	2.00	28.60		1.60	3.58
AV 32	29.60		1.50		5.0	4.0	2.00	30.30		1.60	3.88
AV 34	31.50		1.50		5.1	3.5	2.00	32.30		1.60	3.60
AV 35	32.20		1.75		5.2	4.2	2.00	33.00		1.60	4.53
AV 38	35.20	+ 0.39 - 0.90	1.75		5.5	4.5	2.00	35.80	- 0.300	1.85	5.50
AV 40	36.50		1.75		7.2	4.7	2.00	37.50		1.85	6.49
AV 42	38.50		1.75		7.2	4.7	2.00	39.50		1.85	6.51
AV 45	41.50		1.75		7.2	4.7	2.00	42.50		1.85	7.80
AV 47	43.50		1.75		7.2	5.0	2.00	44.50		1.85	8.09
AV 48	44.50	+ 0.46 - 0.10	2.00	+ 0 - 0.08	7.2	5.2	2.00	45.50	- 0.540	1.85	8.48
AV 50	45.80		2.00		8.2	5.2	2.50	47.00		2.15	9.84
AV 55	50.80		2.00		8.2	5.8	2.50	52.00		2.15	11.42
AV 57	52.80		2.00		8.2	5.6	2.50	54.00		2.15	14.00
AV 58	53.80		2.00		8.2	5.8	2.50	55.00		2.15	13.00
AV 60	55.80	+ 0.54 - 1.30	2.50		8.2	5.8	2.50	57.00	- 0.630	2.15	13.80
AV 62	57.80		2.50		8.2	5.9	2.50	59.00		2.15	15.90
AV 65	60.80		2.50		10.2	6.0	2.50	62.00		2.65	20.75
AV 67	62.50		2.50		10.2	6.4	3.00	64.00		2.65	22.60
AV 68	63.50		2.50		10.2	6.5	3.00	65.00		2.65	23.50
AV 70	65.50	+ 0.63 - 1.50	2.50		10.2	6.5	2.50	67.00	- 0.540	2.65	23.70
AV 75	70.50		3.00		10.2	6.5	2.50	72.00		2.65	27.50
AV 80	74.50		3.00		10.2	7.0	2.50	76.50		2.65	28.90
AV 85	79.50		3.00		10.2	7.4	3.00	81.50		3.15	39.50
AV 90	84.50		3.00		10.2	7.4	3.00	86.50		3.15	41.90
AV 95	89.50	+ 0.54 - 1.30	3.00	+ 0 - 0.08	10.2	8.0	3.00	91.50	- 0.540	3.15	47.20
AV 100	94.50		3.00		10.2	8.0	3.00	96.50		3.15	49.90
AV 110	103.00		4.00		12.2	9.6	3.50	106.00		4.15	84.60
AV 120	113.00		4.00		14.2	10.2	3.50	116.00		4.15	89.70
AV 140	133.00		4.00		14.2	11.2	4.00	136.00		4.15	115.0

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 46 ÷ 54

Makvo

Sekmancı

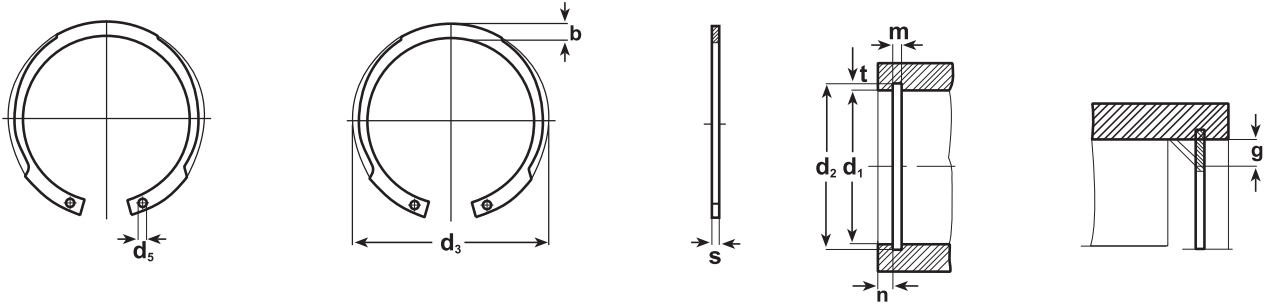
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DIN 5008 JV

SEKMANLARI

DELİK - YUVA İÇİN



d1	Serbest ölçüm d3	Tolerans	Kalınlık S	Tolerans	Genişlik b	Mini d5	Kanal Çapı d2	Tolerans	m min	1000 adet/kg.
JV 10	10.90	+ 0.36 - 0.10	0.60	- 0.05	1.50	0.90	10.50	+ 0.110	0.70	0.15
JV 12	13.10		0.60		1.80	1.00	12.60		0.70	0.25
JV 15	16.10	+ 0.42 - 0.13	0.80		2.00	1.00	15.70	+ 0.150 - 0.150	0.90	0.41
JV 16	17.30		1.00		2.10	1.30	16.80		1.10	0.53
JV 17	18.30		1.00		2.10	1.30	17.80		1.10	0.58
JV 18	19.50		1.00		2.20	1.30	19.00		1.10	0.62
JV 19	20.50		1.00		2.20	1.30	20.00		1.10	0.66
JV 20	21.50		1.00		2.30	1.30	21.00		1.10	0.80
JV 22	23.50	+ 0.42 - 0.21	1.00		2.40	1.30	23.00	+ 0.210	1.10	0.83
JV 24	25.90		1.20		2.80	1.50	25.20		1.30	1.30
JV 25	26.90		1.20		2.80	1.50	26.20		1.30	1.50
JV 26	27.90		1.20		3.00	1.50	27.20		1.30	1.50
JV 27	29.10		1.20		3.00	1.50	28.40		1.30	1.53
JV 28	30.10	+ 0.50 - 0.25	1.20	+ 0 - 0.06	3.10	1.50	29.40		1.30	1.80
JV 30	32.10		1.20		3.20	1.50	31.40		1.30	2.03
JV 32	34.40		1.20		3.30	1.50	33.70		1.30	2.05
JV 33	35.50		1.20		3.30	1.50	34.70		1.30	2.35
JV 35	37.80		1.50		3.40	1.70	37.00		1.60	3.20
JV 36	38.80	+ 0.90 - 0.39	1.50		3.60	1.70	38.00	+ 0.250	1.60	3.23
JV 38	40.80		1.75		3.80	1.70	40.00		1.60	3.68
JV 40	43.50		1.75		4.20	2.00	42.50		1.85	4.75
JV 42	45.50		1.75		4.20	2.00	44.50		1.85	5.20
JV 45	48.50		1.75		4.20	2.00	47.50		1.85	6.00
JV 47	50.50	+ 1.10 - 0.46	1.75	+ 0 - 0.07	4.70	2.00	49.50	+ 0.300	1.85	6.50
JV 48	51.50		2.00		4.70	2.00	50.50		1.85	7.00
JV 50	54.20		2.00		5.20	2.50	53.00		2.15	8.50
JV 52	56.20		2.00		5.20	2.50	55.00		2.15	9.00
JV 55	59.20		2.00		5.20	2.50	58.00		2.15	10.00
JV 57	61.20		2.00		5.20	2.50	60.00		2.15	10.25
JV 58	62.20		2.00		5.20	2.50	61.00		2.15	10.50
JV 60	64.20		2.50		5.20	2.50	63.00		2.15	11.25
JV 62	66.20		2.50		5.20	2.50	65.00		2.15	11.75
JV 65	69.20		2.50		5.70	2.50	68.00		2.65	16.25
JV 67	71.50	+ 1.30 - 0.54	2.50	+ 0 - 0.08	5.70	2.50	70.00	+ 0.350	2.65	17.30
JV 68	72.50		2.50		5.70	2.50	71.00		2.65	17.75
JV 72	76.50		3.00		6.00	2.50	75.00		2.65	19.60
JV 80	85.50		3.00		6.00	2.50	83.50		2.65	22.00
JV 85	90.50		3.00		6.60	3.00	88.50		3.15	30.00
JV 90	95.50		3.00		6.60	3.00	93.50		3.15	33.00
JV 95	100.50		3.00		7.40	3.00	96.50		3.15	37.50
JV 100	105.50		3.00		7.40	3.00	103.50		3.15	41.90

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 46 ÷ 54

Makvo

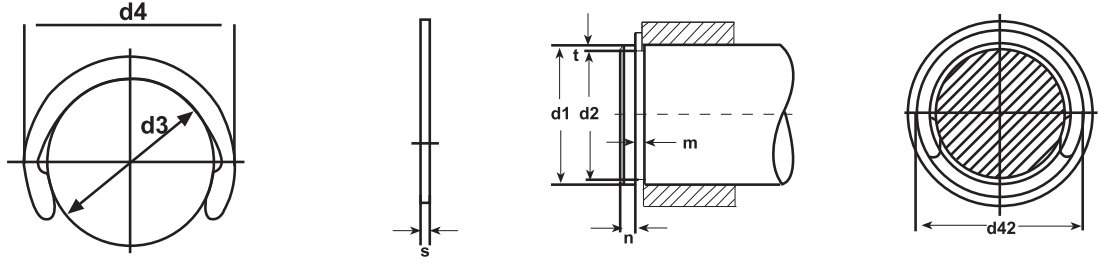
Sekmancı

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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H Serisi Sekmanlar

MİL - ŞAFT İÇİN



d1	MONTAJ ÖLÇÜLERİ							SEGMAN ÖLÇÜLERİ				
	KOD	S	Tolerans	d2	Tolerans	m min	n	d3	Tolerans	b	d4	1000 adet/kg.
3.0	H 3.0	0.40	- 0.05	2.3	- 0.07	0.44	0.35	2.18	+ 0.06	0.90	3.98	0.02
4.0	H 4.0	0.40		3.2		0.44	0.40	3.00	+ 0.08	1.00	5.00	0.04
5.0	H 5.0	0.60		4.0		0.64	0.50	3.80		1.20	6.20	0.08
6.0	H 6.0	0.70		5.0		0.74	0.50	4.80		1.30	7.40	0.11
6.5	H 6.5	0.70		5.8		0.74	0.35	5.60		1.30	8.20	0.12
7.0	H 7.0	0.80	- 0.09	6.0	- 0.09	0.85	0.50	5.80	+ 0.09	1.40	8.60	0.13
8.0	H 8.0	0.80		7.0		0.85	0.50	6.80		1.60	10.00	0.17
9.0	H 9.0	1.00		8.0		1.10	0.50	7.80		1.70	11.20	0.22
10	H 10	1.00		9.0		1.10	0.50	8.75		1.70	12.15	0.26
11	H 11	1.00		10.0		1.10	0.50	9.65	+ 0.18	1.80	13.20	0.29
12	H 12	1.00	- 0.06	10.9	- 0.11	1.10	0.55	10.55		1.90	14.35	0.32
13	H 13	1.00		11.8		1.10	0.60	11.40		2.00	15.40	0.36
14	H 14	1.00		12.7		1.10	0.65	12.30		2.00	16.30	0.40
15	H 15	1.00		13.6		1.10	0.70	13.20		2.10	17.40	0.46
16	H 16	1.00		14.5		1.10	0.75	14.10		2.20	18.50	0.54
17	H 17	1.00		15.4		1.10	0.80	14.90		2.25	19.40	0.64
18	H 18	1.20		16.3		1.30	0.85	15.80		2.30	20.40	0.72
19	H 19	1.20		17.2		1.30	0.90	16.70		2.40	21.50	0.80
20	H 20	1.20		18.1		1.30	0.95	17.55		2.55	22.65	0.87
22	H 22	1.20		19.9		1.30	1.05	19.40	+ 0.21	2.80	25.00	1.10
23	H 23	1.20		20.8		1.30	1.10	20.20		2.90	26.00	1.15
24	H 24	1.20		21.7		1.30	1.15	21.10		3.00	27.10	1.52
25	H 25	1.20		22.6		1.30	1.20	22.00		3.15	28.30	1.74
26	H 26	1.20		23.5		1.30	1.25	22.90		3.25	29.40	1.88
28	H 28	1.50		25.2	- 0.25	1.60	1.40	24.60	+ 0.25	3.50	31.60	2.32
30	H 30	1.50		27.0		1.60	1.50	26.30		3.70	33.70	2.43
32	H 32	1.50		28.8		1.60	1.60	28.10		4.00	36.10	3.02
35	H 35	1.50		31.5		1.60	1.75	30.80		4.30	39.40	3.30
36	H 36	1.75		32.4		1.85	1.80	31.70		4.40	40.50	4.40
38	H 38	1.75		34.2		1.85	1.90	33.40	+ 0.39	4.60	42.60	4.62
40	H 40	1.75		36.0		1.85	2.00	35.20		4.90	45.00	5.05
42	H 42	1.75		37.8		1.85	2.10	37.00		5.10	47.20	5.46
45	H 45	1.75		40.5		1.85	2.25	39.60		5.50	50.60	5.98
48	H 48	1.75		43.2		1.85	2.40	42.30		5.90	54.10	7.82
50	H 50	2.00	- 0.07	45.0		2.15	2.50	44.00		6.20	56.40	8.85
52	H 52	2.00		47.0		2.15	2.50	46.00		6.30	58.60	9.33
55	H 55	2.00		50.0		2.15	2.50	48.50		6.50	61.50	10.40

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 46 ÷ 54

Makvo

Sekmanci

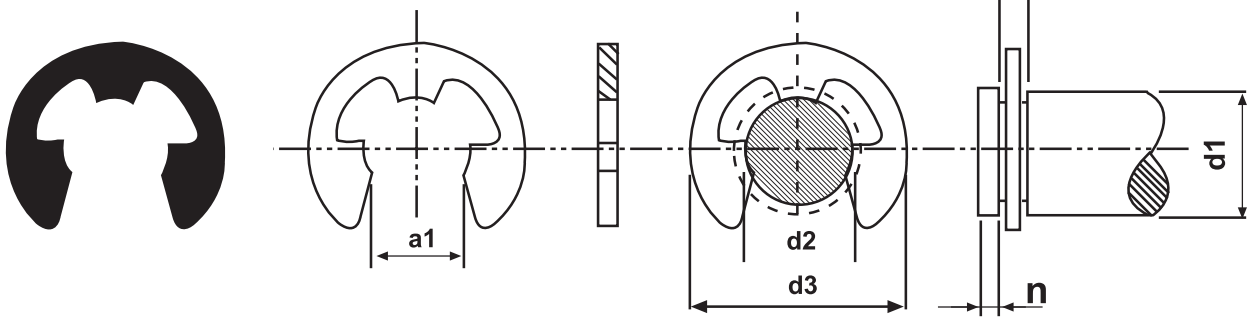
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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DIN 6799 RS

AY TİPİ MİL - ŞAFT İÇİN

SEKMANLAR



MONTAJ ÖLÇÜLERİ						SEGMAN ÖLÇÜLERİ					1000 adet/kg.
d2	d1		n min.	m		d3 max.	S		a1		
	da	a									
1.2	1.4	2.0	0.6	0.34	+ 0.04 - 0	2.90	0.3	± 0.02	1.01	±0.04	0.009
1.5	2.0	2.5	0.8	0.44		3.90	0.4		1.28		0.021
1.9	2.5	3.0	1.0	0.54	+ 0.05 - 0	4.40	0.5		1.61		0.040
2.3	3.0	4.0	1.0	0.64		5.90	0.6		1.94		0.069
3.2	4.0	5.0	1.0	0.64		6.90	0.6		2.70		0.088
4.0	5.0	7.0	1.2	0.74		8.85	0.7	3.34	±0.048	0.158	
5.0	6.0	8.0	1.2	0.74		10.85	0.7	4.11		0.236	
6.0	7.0	9.0	1.2	0.74	11.80	0.7	5.26	0.255			
7.0	8.0	11	1.5	0.94	13.80	0.9	5.84	0.474			
8.0	9.0	12	1.8	1.05	+ 0.08 - 0	15.75	1.0	± 0.03	6.52	±0.058	0.660
9.0	10	14	2.0	1.15		18.20	1.1		7.63		1.000
10	11	15	2.0	1.25		19.70	1.2		8.32		1.120
12	13	18	2.5	1.35		22.70	1.3		10.45	±0.07	1.770
15	16	24	3.0	1.55		28.70	1.5		12.61		3.370
19	20	31	3.5	1.80		36.50	1.75	15.92	6.420		
24	25	38	4.0	2.05		43.50	2.0	21.88	±0.084	8.550	
30	32	42	4.5	2.55		51.50	2.5	25.80		14.440	

MALZEME

Yay Çeliği: C-60 / DN 17222 / 4NI 7064
HRC : 46 ÷ 54

Makvo

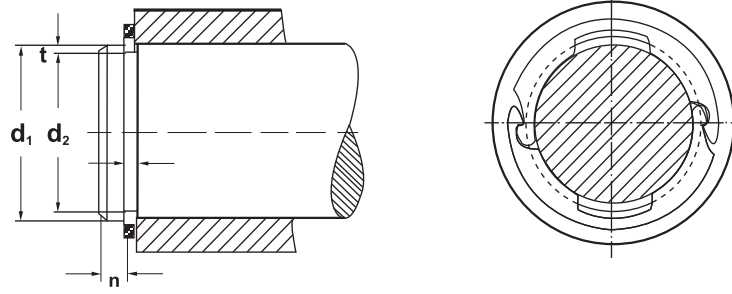
Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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S Serisi

Sekmanlar



d1	KOD	d1		Sekman Ölçüleri						Montaj Ölçüleri				
		min	max	s	Tolerans	d3	b	d4	1000 adet/kg.	d2	Tolerans	m	Tolerans	t*
10	S 10	10	12	1.00	- 0.06	8.9	2.60	14.1	0.64	9.0	- 0.11	1.05	+ 0.05	0.50
12	S 12	12	14	1.00		10.7	2.65	16.0	0.75	10.9		1.05		0.55
14	S 14	14	16	1.00		12.5	2.75	18.0	0.85	12.7		1.05		0.65
16	S 16	16	18	1.00		14.3	2.85	20.0	0.96	14.5		1.05		0.75
18	S 18	18	20	1.20		16.0	3.35	22.7	1.50	16.3		1.25		0.85
20	S 20	20	22	1.20		17.8	3.45	24.7	1.75	18.1	- 0.21	1.25	+ 0.10	0.95
22	S 22	22	24	1.20		19.6	3.55	26.7	1.90	19.9		1.25		1.05
24	S 24	24	26	1.20		21.4	3.65	28.7	2.10	21.7		1.25		1.15
26	S 26	26	28	1.20		23.1	3.75	30.6	2.60	23.5		1.25		1.25
28	S 28	28	30	1.50		24.8	4.65	34.1	4.25	25.2		1.60		1.40
30	S 30	30	32	1.50	- 0.07	26.6	4.75	36.1	4.60	27.0	- 0.25	1.60		1.50
32	S 32	32	35	1.50		28.4	4.80	38.0	5.00	28.8		1.60		1.60
35	S 35	35	38	1.50		31.0	5.00	41.0	5.40	31.5		1.60		1.75
38	S 38	38	40	1.75		33.7	5.50	44.7	7.50	34.2		1.85		1.90
40	S 40	40	42	1.75		35.5	5.60	46.7	8.20	36.0		1.85		2.00
42	S 42	42	45	1.75		37.3	5.70	48.7	9.00	37.8	- 0.30	1.85		2.10
45	S 45	45	48	1.75		40.0	5.85	51.7	9.75	40.5		1.85		2.25
48	S 48	48	50	1.75		42.7	6.00	54.7	10.50	43.2		1.85		2.40
50	S 50	50	55	2.00		44.4	6.75	57.9	14.20	45.0		2.10		2.50
55	S 55	55	60	2.00		49.4	6.75	62.9	15.00	50.0		2.10		2.50
60	S 60	60	65	2.00	- 0.07	54.2	6.85	67.9	17.30	54.8	- 0.35	2.10		2.60
65	S 65	65	70	2.00		58.9	7.00	72.9	20.00	59.5		2.10		2.75
70	S 70	70	75	2.50		63.7	8.00	79.7	29.00	64.3		2.60		2.85
75	S 75	75	80	2.50		68.5	8.10	84.7	33.00	69.1		2.60		2.95
80	S 80	80	85	2.50		73.3	8.20	89.7	37.50	73.9		2.60		3.05
85	S 85	85	90	2.50		78.0	8.50	95.0	49.00	78.7	- 0.35	2.60		3.15
90	S 90	90	95	2.50		82.8	9.20	101.2	52.00	83.5		2.60		3.25
95	S 95	95	100	2.50		87.5	9.60	106.7	54.00	88.2		2.60		3.40
100	S100	100	105	2.50		92.3	10.00	112.3	56.00	93.0		2.60		3.50

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 45 ÷ 51

Makvo

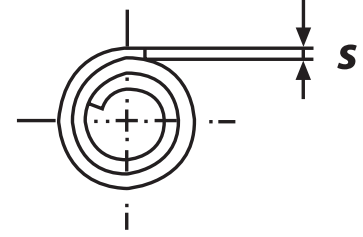
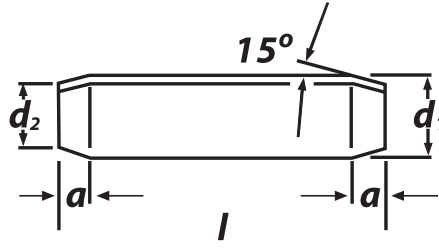
Sekmanci

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DIN EN ISO 8750

SARGILI PİM



DIN EN ISO 8750

sargılı pım - 10 x 40 - ST

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 ≈	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	

Boylar mm

Ağırlık (7.85 kg/dm³) kg/1000

MALZEME

Yay Çeliği: CK : 67

HRC : 42 ÷ 54

Makvo

Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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ISO 8752



AĞIR SERİ



Ölçüler Milimetre		1	1,5	2	2,5	3	3,5	4	4,5	5	6	8	10	12	13	14	16	18	20	21	25	28	30	32	35	38	40	45	50
		max.	0,35	0,45	0,55	0,6	0,7	0,8	0,85	1,0	1,1	1,4	2,0	2,4	2,4	2,4	2,4	2,4	2,4	3,0	3,4	3,4	3,4	3,4	3,6	3,6	4,0	4,6	4,6
Serbest Ölçüler	a	min.	0,15	0,25	0,35	0,4	0,5	0,6	0,65	0,8	0,9	1,2	1,6	2,0	2,0	2,0	2,0	2,0	2,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	4,0	4,0	4,6
	d ₁	max.	1,3	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	35,9	38,9	40,9	45,9
	d ₂	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	35,5	38,5	40,5	45,5
	≅	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	21,5	23,5	25,5	28,5	31,5
	s	0,2	0,3	0,4	0,5	0,6	0,75	0,8	1,0	1,0	1,2	1,5	2,0	2,5	2,5	3,0	3,0	3,5	4,0	4,0	5,0	5,5	6,0	6,0	7,0	7,5	7,5	8,5	9,5
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	859	1003	1068	1360	1685	
+0,5 0	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	0,85	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	15,3										
+1 0	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	11,9	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	33,5	47,8	59,2	69,2	75,1	94,0	110	117	150	186
+1 0	22			0,336	0,519	0,746	1,08	1,31	1,75	2,07	2,97	4,92	8,12	13,2	13,6	17,1	20,2	26,6	30,8	35,8	52,5	65,2	76,2	82,6	10,3	121	129	165	205
	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	22,9	29,0	36,7	39,0	57,3	71,1	83,1	90,1	113	132	141	180	223
	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	39,8	42,3	62,0	77,0	90,0	97,6	122	143	153	195	242
	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	154	164	210	261
	30			0,458	0,707		1,02	1,48	1,79	2,38	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	165	176	225
+1 0	32					1,09	1,58	1,91	2,54	3,02	4,25	7,16	11,8	17,8	19,8	24,9	29,4	38,7	48,9	52,0	76,4	94,8	111	120	150	176	188	240	298
	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	198	211	270	335
	40					1,36	1,97	2,39	3,17	3,77	5,32	8,95	14,8	22,2	24,7	31,2	36,7	48,4	61,2	65,1	95,5	118	138	150	188	220	235	300	372
	45							2,68	3,57	4,24	5,98	10,1	16,6	25,0	27,8	35,1	42,4	54,4	68,8	73,2	107	133	156	169	211	248	264	337	419
	50							2,98	3,96	4,71	6,64	11,2	18,4	27,8	30,9	39,0	45,9	60,4	76,5	81,3	119	148	173	188	235	276	293	375	465
+1,5 0	55							5,18	7,31	12,3	20,3	30,5	40,5	50,5	64,0	82,9	105,5	134,5	168,5	208,5	258,5	318,5	388,5	468,5	558,5	658,5	768,5	888,5	1028,5
	60							5,65	7,97	13,4	22,1	33,3	44,5	55,7	70,2	89,7	113,7	143,7	178,7	225,7	282,7	349,7	427,7	517,7	617,7	727,7	847,7	977,7	
	65							6,12	8,63	14,5	24,0	36,1	48,2	60,3	75,8	95,9	121,9	152,9	189,9	239,9	299,9	370,9	453,9	548,9	653,9	768,9	893,9	1028,9	
	70							6,59	9,30	15,7	25,8	38,9	51,9	64,9	80,9	101,9	128,9	161,9	199,9	249,9	310,9	383,9	468,9	565,9	673,9	793,9	923,9	1058,9	
	75							7,06	9,98	16,8	27,7	41,7	56,6	71,5	88,5	108,5	136,5	170,5	209,5	259,5	321,5	395,5	481,5	579,5	689,5	809,5	939,5	1079,5	
+1,5 0	80							7,54	10,70	18,0	29,5	44,4	59,5	74,5	92,5	113,5	141,5	175,5	215,5	265,5	328,5	403,5	490,5	589,5	699,5	819,5	949,5	1089,5	
	85								11,30	19,0	31,4	47,2	62,5	78,1	95,5	115,5	139,5	169,5	205,5	248,5	300,5	364,5	440,5	528,5	628,5	738,5	858,5	988,5	
	90								12,00	20,1	33,2	50,0	66,6	83,2	101,6	121,6	145,6	175,6	212,6	256,6	310,6	375,6	452,6	542,6	642,6	752,6	872,6	992,6	
	95								12,60	21,3	35,0	52,8	69,9	87,5	106,5	127,5	152,5	182,5	219,5	264,5	319,5	385,5	463,5	554,5	654,5	764,5	884,5	1004,5	
	100									13,30	22,4	36,9	55,5	73,9	93,9	115,9	141,9	172,9	210,9	255,9	311,9	378,9	457,9	548,9	649,9	759,9	879,9	999,9	
+1,5 0	120																												
	140																												
	160																												
	180																												
	200																												
Uzunluk L																													

Yay Çeliği: CK : 67
HRC : 42 ÷ 54

Sekmanci

Yay Çeligi: CK : 67
HRC : 42 ÷ 54

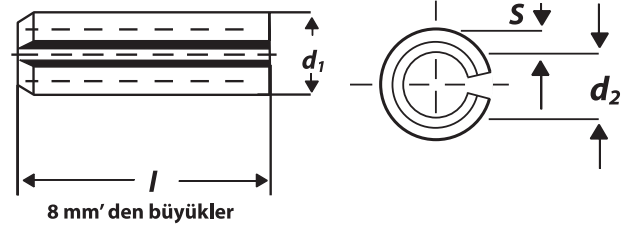
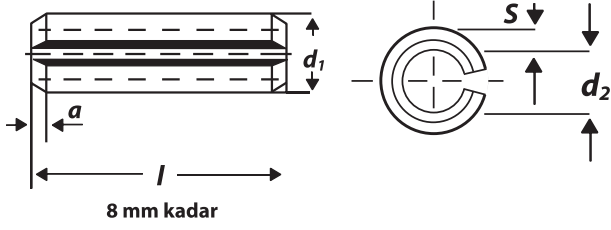
Sekmanci

DIN 1481

YARIKLI PİMLER

İNCE SERİ

ISO 13337



Nominal diameter*			2	2.5	3	3.5	4	4.5	5	6	8	10	12
DIN EN ISO 13337	Serbest Ölçüler	a — max.	0.4	0.45	0.45	0.5	0.7	0.7	0.7	0.9	1.8	2.4	2.4
		— min.	0.2	0.25	0.25	0.3	0.5	0.5	0.5	0.7	1.5	2.0	2.0
		d ₁ — max.	2.4	2.9	3.5	4.0	4.6	5.1	5.6	6.7	8.8	10.8	12.8
		— min.	2.3	2.8	3.3	3.8	4.4	4.9	5.4	6.4	8.5	10.5	12.5
		d ₂ ≈	1.9	2.3	2.7	3.1	3.4	3.9	4.4	4.9	7.0	8.5	10.5
		s	0.2	0.25	0.3	0.35	0.5	0.5	0.5	0.75	0.75	1.0	1.0
Kopma Kuvveti			1.5	2.4	3.5	4.6	8.0	8.8	10.4	18	24	40	48
+/- 0.25	4	0.034	0.054	0.078	0.106	0.168	0.193						
	5	0.043	0.067	0.097	0.132	0.210	0.241	0.271					
	6	0.051	0.080	0.116	0.159	0.252	0.289	0.325					
	8	0.068	0.107	0.155	0.212	0.336	0.385	0.433					
	10	0.085	0.134	0.193	0.264	0.420	0.481	0.541	0.93	1.30	2.14	2.63	
+/- 0.5	12	0.102	0.161	0.232	0.317	0.504	0.578	0.650	1.12	1.55	2.57	3.16	
	14	0.119	0.187	0.271	0.370	0.588	0.674	0.758	1.30	1.81	3.00	3.68	
	16	0.136	0.214	0.309	0.423	0.672	0.770	0.866	1.49	2.07	3.43	4.21	
	18	0.153	0.241	0.348	0.476	0.756	0.866	0.974	1.67	2.33	3.86	4.74	
	20	0.170	0.267	0.386	0.528	0.840	0.962	1.08	1.86	2.59	4.29	5.26	
	22	0.187	0.294	0.425	0.581	0.924	1.06	1.19	2.05	2.85	4.72	5.79	
	24	0.204	0.321	0.464	0.634	1.01	1.16	1.30	2.23	3.11	5.14	6.31	
	26	0.221	0.347	0.502	0.687	1.09	1.25	1.41	2.42	3.37	5.57	6.84	
	28	0.238	0.374	0.541	0.740	1.18	1.35	1.52	2.60	3.63	6.00	7.36	
	30	0.255	0.400	0.579	0.792	1.26	1.44	1.62	2.79	3.88	6.43	7.89	
	32			0.618	0.845	1.34	1.54	1.73	2.98	4.14	6.86	8.42	
	36			0.695	0.951	1.51	1.73	1.95	3.49	4.66	7.72	9.47	
	40			0.772	1.060	1.68	1.92	2.16	3.72	5.18	8.57	10.5	
	45					1.89	2.16	2.44	4.18	5.83	9.64	11.8	
	50					2.10	2.40	2.70	4.65	6.48	10.7	13.2	
+/- 0.75	55							2.98	5.12	7.12	11.8	14.5	
	60							3.25	5.58	7.77	12.9	15.8	
	65							3.79	6.04	8.42	13.9	17.1	
	70							4.06	6.51	9.06	15.0	18.4	
	75							4.33	6.98	9.71	16.1	19.7	
	80								7.44	10.4	17.1	21.0	
	85								7.90	11.0	18.2	22.4	
	90								8.37	11.7	19.3	23.7	
	95								8.84	12.3	20.4	25.0	
	100								9.30	13.0	21.4	26.3	
	120									15.5	25.7	31.6	
	140										30.0	36.8	
	160										34.3	42.1	
	180											47.4	
	200												

Boylar mm

length l

Ağırlık (7.85 kg/dm³) kg/per1000 ≈

MALZEME

Yay Çeliği: CK: 67
HRC : 42 ÷ 54

Makvo
Sekmanci

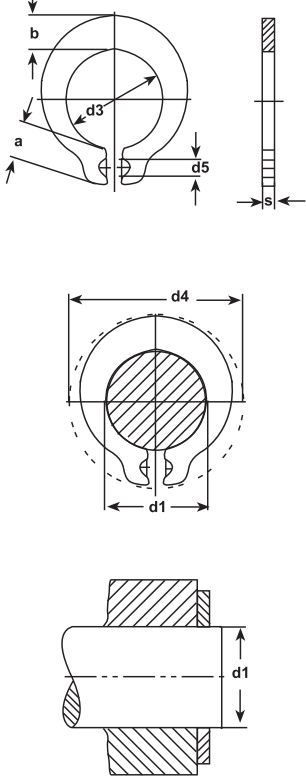
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

Perpa İş Merkezi Kat: 7-8 No: 999 34384 OKMEYDANI / İSTANBUL
Tel. : (0212) 222 47 32 - 60 PBX. Faks : (0212) 222 48 21
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G - GA SERİ

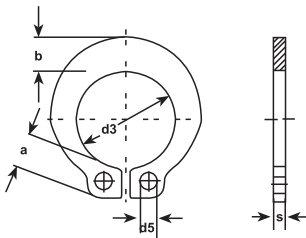
Mil - Şaft İçin
Sekmanlar

G Serisi



d1 (h 10)	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						
	KOD	S	d3	Tolerans	a max	b	d5 min.	d4	H (N)	(V/mn)	1000 adet/kg.
1.5	G 1.5	0.40	1.40	+ 0.020	1.7	0.7	0.9	5.1	40	350	0.013
2.0	G 2.0	0.60	1.90	+ 0.025	1.9	1.0	0.9	6.0	50	260	0.036
2.2	G 2.2	0.60	2.05		1.9	1.1	0.9	6.2	50	270	0.038
2.5	G 2.5	0.60	2.35	+ 0.030	1.9	1.2	0.9	6.5	60	220	0.045
2.8	G 2.8	0.60	2.65	+ 0.035	2.0	1.3	0.9	7.0	70	190	0.057
3.0	G 3.0	0.60	2.85	+ 0.040	2.1	1.4	0.9	7.4	75	170	0.065
3.5	G 3.5	0.60	3.30	+ 0.050	2.3	1.6	1.2	8.3	90	150	0.081
4.0	G 4.0	0.80	3.80	+ 0.060	2.7	1.8	1.2	9.6	100	125	0.154
4.5	G 4.5	0.80	4.25		2.9	2.0	1.3	10.5	120	120	0.173
5.0	G 5.0	0.80	4.75	+ 0.075	2.9	2.2	1.3	11.0	130	100	0.200
5.5	G 5.5	0.80	5.20		3.0	2.2	1.3	11.7	150	90	0.216
6.0	G 6.0	1.00	5.70		3.2	2.4	1.4	12.6	170	81	0.402
7.0	G 7.0	1.00	6.70	+ 0.090	3.4	2.7	1.4	14.0	180	63	0.428
8.0	G 8.0	1.00	7.70		3.5	3.0	1.4	15.2	200	52	0.524
9.0	G 9.0	1.20	8.65		4.7	3.3	2.0	18.6	230	46	0.808
10.0	G 10.0	1.20	9.65	+ 0.110	4.7	3.5	2.0	19.6	250	39	0.944
10.5	G 10.5	1.20	10.20		4.0	3.8	1.5	18.7	260	34	1.100
11.0	G 11.0	1.20	10.60		4.8	4.2	2.0	20.8	280	37	1.208
12.0	G 12.0	1.20	11.60		4.8	4.6	2.0	21.8	300	33	1.454
13.0	G 13.0	1.20	12.55		5.3	5.0	2.0	23.8	320	31	1.750
13.8	G 13.8	1.50	13.30		5.1	5.4	2.2	24.8	350	30	2.492
14.0	G 14.0	1.50	13.50		5.1	5.4	2.2	25.0	350	29	2.456
15.0	G 15.0	1.50	14.50		5.1	5.6	2.2	26.4	400	26	2.716
16.0	G 16.0	1.50	15.40		5.6	5.8	2.5	27.8	500	26	2.940
17.0	G 17.0	1.75	16.35		6.0	6.2	2.5	29.5	600	24	4.010
18.0	G 18.0	1.75	17.30	+ 0.130	6.1	6.6	2.5	31.4	700	23	4.460
20.0	G 20.0	1.75	19.30		6.1	7.1	2.5	34.4	700	20	5.270
22.0	G 22.0	1.75	21.20		6.6	7.4	2.5	37.0	750	18	6.060
24.0	G 24.0	1.75	23.15		6.6	7.8	2.5	39.8	750	16	7.000
25.0	G 25.0	1.75	24.15		6.6	8.2	2.5	41.6	750	15	7.450
30.0	G 30.0	1.75	29.00		9.0	9.0	2.5	48.2	750	12	10.000

GA Serisi



d1 (h 10)	MONTAJ ÖLÇÜLERİ				SEGMAN ÖLÇÜLERİ						
	KOD	S	d3	Tolerans	a max	b	d5 min.	d4	H (N)	(V/mn)	1000 adet/kg.
6.0	GA 6.0	1.00	5.70	± 0.130	3.0	2.5	1.3	12.2	170	84	0.410
8.0	GA 8.0	1.00	7.70	± 0.090	3.9	3.0	2.0	16.0	200	52	0.530
9.0	GA 9.0	1.20	8.65		3.6	3.3	1.5	16.4	230	46	0.794
11.0	GA 11.0	1.20	10.60	± 0.130	4.3	4.2	1.7	19.8	280	37	1.230
12.0	GA 12.0	1.20	11.60		4.3	4.6	1.7	21.4	300	33	1.484
13.0	GA 13.0	1.20	12.55		4.7	5.0	2.0	23.2	320	31	1.726
15.0	GA 15.0	1.50	14.50		5.3	5.6	2.0	26.4	400	26	2.836
16.0	GA 16.0	1.50	15.40		5.5	5.9	2.0	28.0	500	26	3.110
17.0	GA 17.0	1.75	16.35		6.5	6.3	2.5	30.2	600	25	4.350

MALZEME

Yay Çeliği: HRC : 48 /53

Makvo

Sekmançı

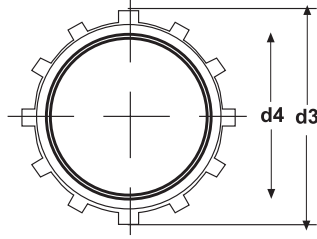
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e-mail: satis@sekmanci.com web: www.sekmanci.com

ZJ Seri

Sekmanlar

Kanalsız Yuva için



d1 (h 11)	MONTAJ ÖLÇÜLERİ						SEGMAN ÖLÇÜLERİ					
	KOD	S	d3	d4	Diş Sayısı	d2	Tolerans	m min	n	x	H (N)	1000 adet/kg.
8.0	ZJ 8.0	0.25	8.25	4.0	6	8.10	+ 0.060	0.4	1.0	2.0	300	0.048
10.0	ZJ 10.0	0.25	10.20	5.0	6	10.10	+ 0.075	0.4	1.0	2.0	350	0.068
12.0	ZJ 12.0	0.25	12.25	6.0	6	12.10		0.4	1.0	2.5	450	0.112
14.0	ZJ 14.0	0.30	14.25	8.0	6	14.10		0.5	1.0	2.5	500	0.172
15.0	ZJ 15.0	0.30	15.25	9.0	6	15.10		0.5	1.0	2.5	550	0.192
16.0	ZJ 16.0	0.30	16.30	10.0	6	16.15		0.5	1.5	2.5	600	0.206
17.0	ZJ 17.0	0.30	17.30	11.0	8	17.15		0.5	1.5	3.0	650	0.236
18.0	ZJ 18.0	0.40	18.30	10.5	8	18.15	+ 0.110	0.8	1.5	3.0	700	0.380
19.8	ZJ 19.8	0.50	20.20	11.0	8	20.00		0.8	1.5	3.5	800	0.604
20.0	ZJ 20.0	0.40	20.35	11.0	8	20.20		0.8	1.5	3.5	800	0.512
22.0	ZJ 22.0	0.50	22.35	13.0	8	22.20		1.0	2.0	3.5	800	0.680
25.0	ZJ 25.0	0.50	25.35	16.0	10	25.20	+ 0.130	1.0	2.0	3.5	800	0.810
26.0	ZJ 26.0	0.50	26.40	17.0	10	26.20		1.0	2.0	3.5	850	0.856
28.0	ZJ 28.0	0.50	28.40	19.0	10	28.20		1.0	2.0	3.5	850	0.922
30.0	ZJ 30.0	0.50	30.40	21.0	8	30.20		1.0	2.0	4.0	900	1.010
32.0	ZJ 32.0	0.50	32.40	22.5	12	32.20		1.0	2.0	4.0	900	1.210
35.0	ZJ 35.0	0.50	35.40	25.0	12	35.20		1.0	2.0	4.0	900	1.320
40.0	ZJ 40.0	0.50	40.40	30.0	12	40.20		1.0	2.0	4.0	950	1.720
45.0	ZJ 45.0	0.50	45.40	35.0	12	45.20		1.0	2.0	4.0	950	1.830
50.0	ZJ 50.0	0.50	50.50	39.0	12	50.20		1.0	2.0	4.0	1000	2.160

MALZEME

Yay Çeliği: C60 - DIN 17222 - UNI 7064
HRC 45 ÷ 52

Makvo

Sekmanci

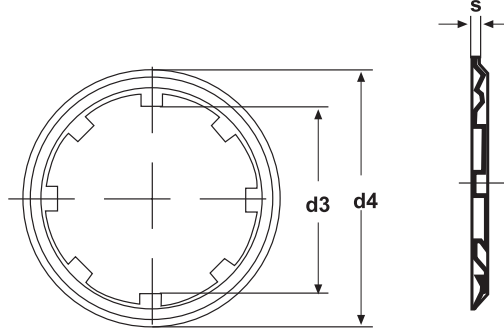
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ZA Seri

Sekmanlar

KANALSIZ MİL İÇİN



d1 (h 11)	SEGMAN ÖLÇÜLERİ								MONTAJ ÖLÇÜLERİ			
	Kod	S	d3	d4	Diş Sayısı	1000 adet/kg.	x	H (N)	d2	Tolerans	m min	n
1.5	ZA 1.5	0.25	1.40	6.0	3	0.040	1.5	100	1.40	- 0.060	0.4	1.0
2.0	ZA 2.0	0.25	1.85	6.5	3	0.042	1.5	150	1.90		0.4	1.0
3.0	ZA 3.0	0.25	2.80	9.5	4	0.066	1.5	200	2.90		0.4	1.0
4.0	ZA 4.0	0.25	3.80	10.0	4	0.078	2.0	220	3.90	- 0.075	0.4	1.0
5.0	ZA 5.0	0.25	4.80	11.5	4	0.082	2.0	230	4.90		0.4	1.0
6.0	ZA 6.0	0.25	5.80	12.6	4	0.094	2.5	240	5.90		0.4	1.5
7.0	ZA 7.0	0.25	6.80	14.0	4	0.110	2.5	250	6.90	- 0.090	0.4	1.5
8.0	ZA 8.0	0.25	7.75	15.5	4	0.122	2.5	250	7.85		0.4	1.5
9.0	ZA 9.0	0.30	8.75	18.0	6	0.208	2.5	300	8.85		0.6	1.5
10.0	ZA 10.0	0.30	9.75	19.0	6	0.232	3.0	320	9.85	- 0.110	0.6	1.5
12.0	ZA 12.0	0.30	11.70	19.0	6	0.255	3.0	350	11.85		0.6	1.5
14.0	ZA 14.0	0.30	13.70	20.5	6	0.310	3.0	400	13.80		0.6	1.5
15.0	ZA 15.0	0.50	14.60	28.0	8	0.750	3.0	600	14.80		1.0	2.0
16.0	ZA 16.0	0.40	15.60	28.0	8	0.710	3.0	700	15.80		1.0	2.0
17.0	ZA 17.0	0.50	16.60	28.0	8	0.950	3.5	800	16.80		1.0	2.0
18.0	ZA 18.0	0.40	17.60	28.0	8	0.810	3.5	850	17.80	- 0.130	1.0	2.0
19.0	ZA 19.0	0.50	18.60	28.0	8	0.950	3.5	900	18.80		1.0	2.0
20.0	ZA 20.0	0.50	19.50	29.0	8	1.090	3.5	950	19.75		1.0	2.0
22.0	ZA 22.0	0.50	21.50	31.0	8	1.150	3.5	1000	21.75		1.0	2.0
23.0	ZA 23.0	0.50	22.50	31.5	8	1.220	4.0	1050	22.75		1.0	2.0
25.0	ZA 25.0	0.50	24.50	34.0	8	1.490	4.0	1100	24.75		1.0	2.0
28.0	ZA 28.0	0.50	27.50	37.0	8	1.550	4.0	1200	27.75		1.0	2.0
30.0	ZA 30.0	0.50	29.50	40.0	8	1.630	4.0	1300	29.75		1.0	2.0
35.0	ZA 35.0	0.50	34.50	46.0	8	2.100	4.0	1400	34.75		1.0	2.0
45.0	ZA 45.0	0.50	44.50	60.0	8	2.700	4.0	1500	44.75		1.5	2.0

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 45 ÷ 52

Makvo

Sekmanci

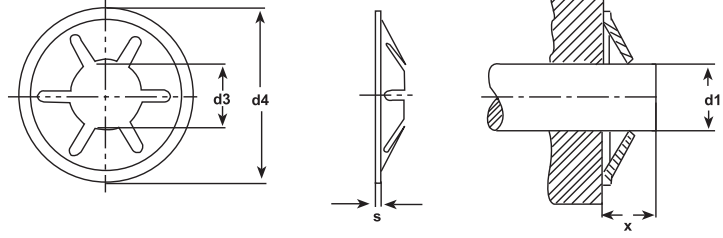
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KS

Sekmanlar

KANALSIZ MİLLER İÇİN

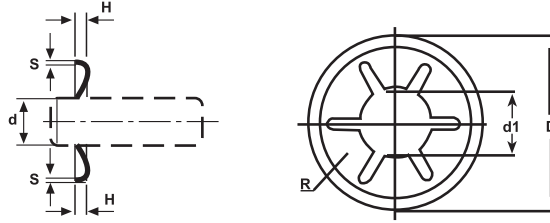


d1 (h 11)	SEGMAN ÖLÇÜLERİ								
	KOD	Tolerans	s	d3	d4	Diş Sayısı	x	Tutma Gücü (N)	1000 adet/kg.
2.0	KS 2.0	- 0.025	0.30	1.80	7.00	3	2.5	400	0.13
2.5	KS 2.5		0.30	2.30	8.25	3	2.5	700	0.15
3.0	KS 3.0		0.40	2.80	10.00	3	3.0	1200	0.20
3.5	KS 3.5	- 0.030	0.40	3.25	11.50	3	3.0	1200	0.25
4.0	KS 4.0		0.50	3.75	13.00	4	3.5	1300	0.50
5.0	KS 5.0		0.50	4.75	15.00	4	3.5	1500	0.75
6.0	KS 6.0	- 0.036	0.60	5.75	16.50	6	4.0	1800	1.15
7.0	KS 7.0		0.60	6.75	18.00	6	4.0	2000	1.25
8.0	KS 8.0		0.70	7.75	19.50	6	4.0	3000	1.40
10.0	KS 10.0		0.80	9.75	22.00	6	4.5	4000	1.65

IKMS

KANALSIZ MİLLER İÇİN

KAPAKSIZ SEKMAN



d	D +0.5	d1	H +0.2	S	R
2	9.5	1.50 ÷ 1.65	1.2	0.2	4
2.5	6.5	2.00 ÷ 2.15	1.2	0.2	4
3	9.5	2.50 ÷ 2.65	1.2	0.2	4
2	11.3	1.50 ÷ 1.65	1.5	0.2	5
3	11.3	2.50 ÷ 2.65	1.5	0.2	6
4	11.3	3.50 ÷ 3.65	1.2	0.2	6
5	11.3	4.50 ÷ 4.65	1.2	0.2	6
4	15	3.50 ÷ 3.65	1.5	0.3	6
5	15	4.50 ÷ 4.65	1.5	0.3	6
6	15	5.50 ÷ 5.65	1.5	0.3	6
7	15	6.50 ÷ 6.65	1.5	0.3	6
8	15	7.50 ÷ 7.65	1.5	0.3	6
8	18	7.50 ÷ 7.65	1.6	0.3	6
9	18	8.50 ÷ 8.65	1.6	0.3	6
9.5	18	9.00 ÷ 9.15	1.6	0.3	6
10	18	9.50 ÷ 9.65	1.6	0.3	6
8	21	7.50 ÷ 7.65	2.1	0.3	6
9	21	8.50 ÷ 8.65	2.1	0.3	6
10	21	9.50 ÷ 9.65	2.1	0.3	6
11	21	10.50 ÷ 10.65	2.1	0.3	6
12	21	11.50 ÷ 11.65	2.1	0.3	6
14	21	13.50 ÷ 13.65	2.1	0.3	6

Malzeme : DIN 17222 Yaylık C60
Sertlik : HRC 48 ÷ 52
Kaplama : İsteğe bağlı

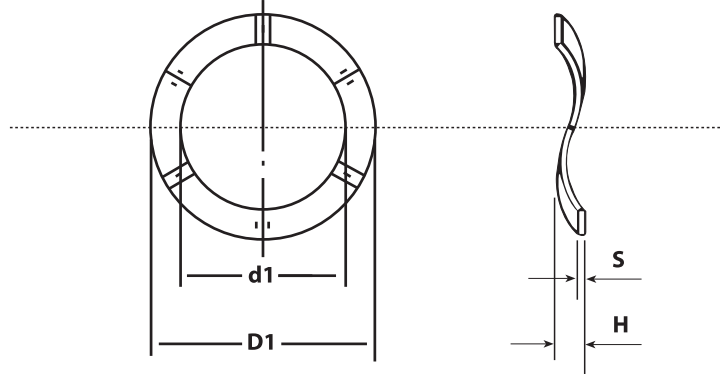
Makvo

Sekmanci

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RULMAN BASKI YAYLARI



Kod	Rulman Dış Çapı	D1	d1	H	S	Takılabilecek rulmanlar				
BY 625	16	16	10	1.60	0.20		625	634		
BY 626	19	18.1	12.7	1.60	0.20	607	626	635		698
BY 608	22	21.8	15.8	1.60	0.30	608	627	636	6900	
BY 609	24	23.8	17.3	1.60	0.30	609			6901	
BY 6000	26	25.8	19.3	1.90	0.30	6000	629	637		
BY 6001	28	27.0	21.0	1.60	0.30	6001		638	6902	
BY 6200	30	29.7	22.5	1.70	0.30		6200	639	6903	
BY 6201	32	31.7	26.5	2.10	0.30	6002	6201			16002
BY 6202	35	34.5	28.0	2.90	0.50	6003	6202	6300		
BY 6203	40	39.1	33.0	2.90	0.50		6203		4203	62203
BY 6004	42	41.0	30.0	2.90	0.50	6004		6302	6905	16004
BY 6204	47	46.5	40.0	3.00	0.50	6005	6204	6303	6906	
BY 6205	52	51.0	41.0	3.40	0.60		6205	6304		
BY 6206	62	61.0	51.0	3.50	0.60	6007	6206	6305	6403	6908
BY 6207	72	71.0	61.0	3.50	0.60		6207	6306	6404	6910
BY 6208	80	79.0	71.0	3.60	0.60	6010	6208	6307	6405	6911
BY 6209	85	84.0	79.0	3.70	0.70		6209	2209	22209	NU209
BY 6308	90	89.0	84.0	3.90	0.70	6011	6210	6308	6406	6913
BY 6309	100	99.0	89.0	3.50	0.70	6013	6211	6309	6407	6914
BY 6310	110	109.0	99.0	4.00	0.70	6014	6212	6310	6408	6916
BY 6312	130	128.0	110.0	4.00	0.80	6017	6215	6312	6410	6919
BY 6313	140	138.0	121.0	4.00	1.00	6018	6216	6313	6411	6920
BY 6314	150	147.0	130.0	4-5.00	1.00	6020	6217	6314	6412	
BY 6315	160	157.0	140.0	4-5.00	1.00	6021	6218	6315	6413	
BY 6316	170	167.0	150.0	4-5.00	1.00	6022	6219	6316		
BY 6317	180	177.0	160.0	4-5.00	1.00	6024	6220	6317	6414	
BY 6318	190	187.0	170.0	4-5.00	1.00		6221	6318	6415	
BY 6319	200	197.0	180.0	4-5.00	1.00	6026	6222	6319	6416	
BY 6320	210	206.0	180.0	4-5.00	1.00	6028	6320	6320	6417	

Malzeme : DIN 17222 Yaylık C60
Sertlik : HRC 40 ÷ 50
Kaplama : Siyah Fosfat

Makvo

Sekmanci

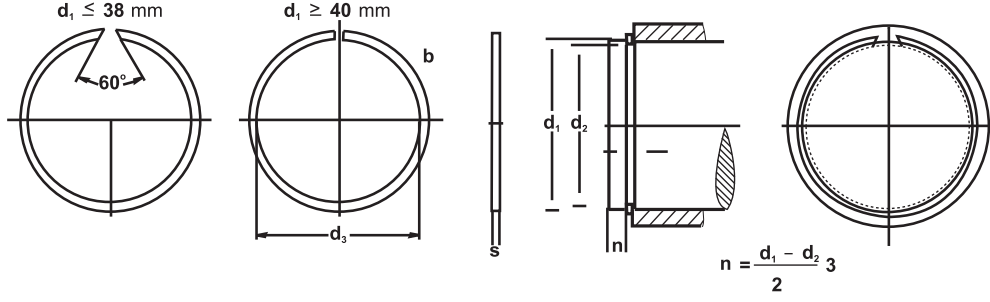
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SW

MİL İÇİN

Sekmanlar



Mil d1 mm	d3 Sekman max. mm	b -0.1 mm	S -0.1 mm	Yuva d2 mm	Tolerans mm	Mil d1 mm	d3 Sekman max. mm	b -0.1 mm	S -0.1 mm	Yuva d2 mm	Tolerans mm
4	3.7	0.8	0.5	3.8	- 0.09	80	77.4	2.8	2	78.2	- 0.19
5	4.7	1.0	0.5	4.8		85	82.0	3.4	2.5	83.0	- 0.22
6	5.6	1.1	0.7	5.7		90	87.0			88.0	
7	6.5	1.2	0.7	6.7		95	92.0			93.0	
8	7.4	1.3	1.0	7.6		100	97.0			98.0	
9	8.4	1.3	1.0	8.6	- 0.11	105	101.7	4	2.5	102.7	- 0.25
10	9.4	1.3	1.0	9.6		110	106.6			107.7	
11	10.2	1.3	1.0	10.5		115	111.6			112.7	
12	11.2	1.3	1.0	11.5		120	116.5			117.7	
14	13.1	1.5	1.0	13.5		125	121.5			122.7	
15	14	1.75	1.2	14.4	- 0.13	130	126.4	5	3	127.7	- 0.29
16	15			15.4		135	131.1			132.4	
17	16			16.4		140	136.0			137.4	
18	17			17.4		145	141.0			142.4	
19	17.9			18.4		150	145.9			147.4	
20	18.7	2.3	1.5	19.2	- 0.16	155	150.9	7.5	4	154.4	- 0.32
21	19.7			20.2		160	155.8			157.4	
22	20.7			21.2		165	160.8			162.4	
24	22.5			23.0		170	165.7			167.4	
25	23.5			24.0		175	170.7			172.4	
26	24.5	2.8	2.0	25.0	- 0.19	180	175.2	380	371.4	177.0	- 0.36
27	25.5			26.0		185	180.2			182.0	
28	26.5			27.0		190	185.1			187.0	
29	27.5			28.0		195	190.1			192.0	
30	28.5			29.0		200	196.8			197.0	
32	30.2	2.8	2.0	30.8	- 0.16	210	204.9	370	361.5	207.0	- 0.32
35	33.2			33.8		220	214.8			217.0	
37	35.2			35.8		230	224.7			227.0	
38	36.2			36.8		240	234.6			237.0	
40	37.8			38.5		250	244.5			247.0	
42	39.8	2.8	2.0	40.5	- 0.19	260	252.4	360	351.5	255.0	- 0.32
43	40.8			41.5		265	257.4			260.0	
45	42.8			43.5		270	262.3			265.0	
47	44.8			45.5		280	272.2			275.0	
48	45.8			46.5		285	277.2			280.0	
50	47.8	2.8	2.0	48.5	- 0.19	290	282.1	350	341.6	285.0	- 0.36
52	49.8			50.5		300	292.1			295.0	
55	52.6			53.5		305	297.1			300.0	
58	55.6			56.5		310	302.0			305.0	
60	57.6			58.5		320	311.9			315.0	
63	60.6	2.8	2.0	61.5	- 0.19	330	321.8	340	331.7	325.0	- 0.36
65	62.6			63.5		340	331.7			335.0	
68	65.4			66.2		350	341.6			345.0	
70	67.4			68.2		360	351.5			355.0	
72	69.4			70.2		370	361.5			365.0	
73	70.4	2.8	2.0	71.2	- 0.19	380	371.4	330	321.8	375.0	- 0.36
75	72.4			73.2		390	381.3			385.0	

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC: 47 / 54 (d1 için üst sınır 20)
HRC: 45 / 50 (d1 için 20' den büyükler için)

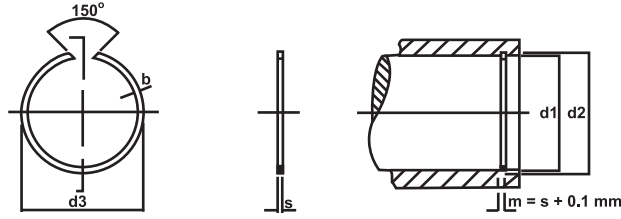
Makvo

Sekmancı

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SB DELİK - İÇİN Sekmanlar



Yuva d1 mm	d3 Sekman Min. mm	b -0.1 mm	S -0.1 mm	Yuva d2 mm	Tolerans mm	Yuva d1 mm	d3 Sekman Min. mm	b -0.1 mm	S -0.1 mm	Yuva d2 mm	Tolerans mm
7	7.5	1.0	0.8	7.3	+ 0.09	102	105.3			104.3	
8	8.5	1.0	0.8	8.3		103	106.3			105.3	
9	9.5	1.1	0.8	9.3		105	108.3			107.3	
10	10.6	1.2	0.8	10.4		107	110.3			109.3	
11	11.6	1.3	1.0	11.4		108	111.3			110.3	
12	12.7	1.3	1.0	12.4		110	113.4			112.3	
13	13.8	1.3	1.0	13.5	+ 0.11	112	115.4			114.3	
14	14.8	1.3	1.0	14.5		113	116.4			115.3	
15	15.8	1.3	1.0	15.5		115	118.4			117.3	
16	16.8	1.6		16.5		117	120.4			119.3	
17	17.8	1.7		17.5		118	121.4			120.3	
18	18.9			18.5		120	123.5			122.3	
19	19.9			19.6		123	126.5			125.3	
20	21.0			20.6		125	128.5			127.3	
21	22.0			21.6		127	130.5			129.3	
22	23.0			22.6		130	133.6			132.3	
23	24.0			23.6		133	136.6			135.3	
24	25.2			24.8		135	138.3			137.3	
25	26.2			25.8		137	138.6			139.3	
26	27.2			26.8		140	144.0			142.6	
27	28.2			27.8		143	147.0			145.6	
28	29.2			28.8		150	154.1			152.6	
29	30.2			29.8		153	157.1			155.6	
30	31.4			31.0		160	164.2			162.6	
31	32.4			32.0		163	167.2			165.6	
32	33.4			33.0		165	169.2			167.6	
33	34.4			34.0		170	174.3			172.6	
34	35.4			35.0		173	177.3			175.6	
35	36.4			36.0		175	179.3			177.6	
37	38.8			38.2		180	184.5			182.6	
38	39.8			39.2		183	187.5			185.6	
39	40.8			40.2		190	194.9			193.0	
40	41.8			41.2		195	199.9			198.0	
42	43.8			43.2		200	205.0			203.0	
43	44.8			44.2		205	210.0			208.0	
44	45.8			45.2		210	215.1			213.0	
45	46.8			46.2		215	220.1			218.0	
46	47.8			47.2		220	225.2			223.0	
47	48.8			48.2		225	230.2			228.0	
48	49.8			49.2		230	235.3			233.0	
50	51.8			51.2		240	245.4			243.0	
52	54.3			53.5		250	255.5			253.0	
53	55.3			54.5		260	267.6			265.0	
55	57.3			56.5		270	277.7			275.0	
57	59.3			58.5		280	287.8			285.0	
58	60.3			59.5		290	297.9			295.0	
60	62.3			61.5		300	309.9			305.0	
62	64.3			63.5		310	318.0			315.0	
63	65.3			64.5		320	328.1			325.0	
65	67.3			66.5		325	333.1			330.0	
68	70.3			69.5		330	338.2			335.0	
70	72.3			71.5		340	348.3			345.0	
72	74.6			73.8		350	358.4			355.0	
73	75.6			74.8		355	363.4			360.0	
74	76.6			75.8		360	368.5			365.0	
76	78.6			77.8		370	378.5			375.0	
78	80.6			79.8		375	383.5			380.0	
79	81.6			80.8		380	388.6			385.0	
80	82.6			81.8		390	398.7			395.0	
81	83.6			82.8		395	403.7			400.0	
82	84.6			83.8		400	408.9			405.0	
83	85.6			84.8		410	419.0			415.0	
85	87.6			86.8		415	424.0			420.0	
86	88.6			87.8		420	429.1			425.0	
88	91.0			90.0		430	439.2			435.0	
90	93.0			92.0		440	449.3			445.0	
92	95.0			94.0							
93	96.0			95.0							
95	98.0			97.0							
97	100.0			99.0							
98	101.0			100.0							
100	103.0			102.0							

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064

Makvo

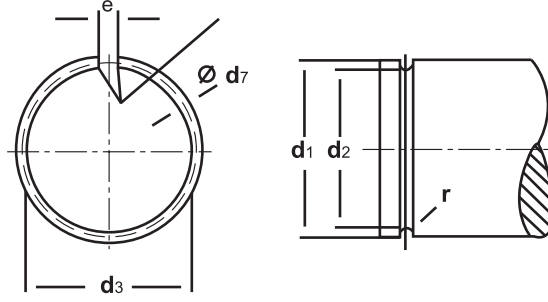
Sekmancı

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DIN 7993

RW Sekmanlar MİL İÇİN



d1	KOD	SEKMAN					MİL		
		d7**	d3	Tolerans	e	Ağırlık (kg/1000)	d2	Tolerans	r
4	RW 4	0.8	3.1	- 0.2	1	0.044	3.2	± 0.05	0.5
5	RW 5	0.8	4.1		1	0.057	4.2		0.5
6	RW 6	0.8	5.1		1	0.069	5.2		0.5
7	RW 7	0.8	6.1	- 0.3	2	0.077	6.2		0.5
8	RW 8	0.8	7.1		2	0.090	7.2		0.5
10	RW 10	0.8	9.1		2	0.115	9.2		0.5
12	RW 12	1.0	10.8	- 0.4	3	0.210	11.0	± 0.10	0.6
14	RW 14	1.0	12.8		3	0.250	13.0		0.6
16	RW 16	1.6	14.2		3	0.740	14.4		0.9
18	RW 18	1.6	16.2		3	0.830	16.4		0.9
20	RW 20	2.0	17.7	- 0.5	3	1.45	18.0		1.1
22	RW 22	2.0	19.7		3	1.60	20.0		1.1
24	RW 24	2.0	21.7		3	1.78	22.0		1.1
25	RW 25	2.0	22.7		3	1.84	23.0		1.1
26	RW 26	2.0	23.7		3	1.91	24.0		1.1
28	RW 28	2.0	25.7		3	2.07	26.0		1.1
30	RW 30	2.0	27.7	- 0.6	3	2.22	28.0		1.1
32	RW 32	2.5	29.1		4	3.67	29.5		1.4
35	RW 35	2.5	32.1		4	3.98	32.5		1.4
38	RW 38	2.5	35.1		4	4.40	35.5		1.4
40	RW 40	2.5	37.1		4	4.64	37.5		1.4
42	RW 42	2.5	39.0	- 0.8	4	4.87	39.5		1.4
45	RW 45	2.5	42.0		4	5.23	42.5		1.4
48	RW 48	2.5	45.0		4	5.60	45.5		1.4
50	RW 50	2.5	47.0		4	5.83	47.5		1.4
55	RW 55	3.2	51.1		4	10.51	51.8	± 0.15	1.8
60	RW 60	3.2	56.1		4	11.50	56.8		1.8
65	RW 65	3.2	61.1	- 1.0	4	12.49	61.8		1.8
70	RW 70	3.2	66.0		5	13.40	66.8		1.8
75	RW 75	3.2	71.0		5	14.39	71.8		1.8
80	RW 80	3.2	76.0		5	15.38	76.8		1.8
85	RW 85	3.2	81.0		5	16.38	81.8		1.8
90	RW 90	3.2	86.0	- 1.2	5	17.37	86.8		1.8
95	RW 95	3.2	91.0		5	18.36	91.8		1.8
100	RW 100	3.2	95.8		5	19.31	96.8		1.8
105	RW 105	3.2	100.8		5	20.30	101.8		1.8
110	RW 110	3.2	105.8		5	21.29	106.8		1.8
115	RW 115	3.2	110.8		5	22.29	111.8		1.8
120	RW 120	3.2	115.8		5	23.28	116.8		1.8
125	RW 125	3.2	120.8		5	24.27	121.8		1.8

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064

Makvo

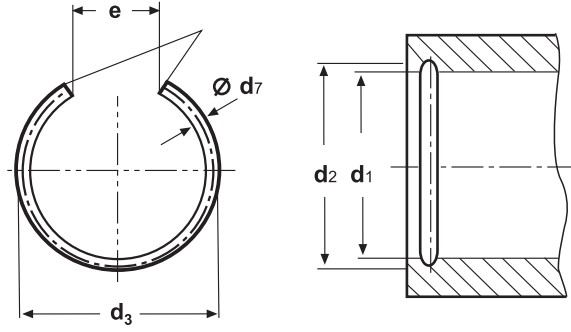
Sekmancı

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DIN 7993

RB Sekmanlar DELİK İÇİN



d1	Kod	SEKMAN					YUVA		
		d7	d3	Tolerans	e =	Ağırlık (kg/1000)	d2	Tolerans	r
7	RB 7	0.8	7.9	+0.3	4	0.071	7.8	±0.05	0.5
8	RB 8	0.8	8.9		4	0.083	8.8		0.5
10	RB 10	0.8	10.9		4	0.108	10.8		0.5
12	RB 12	1.0	13.2	+0.4	6	0.196	13.0	±0.10	0.6
14	RB 14	1.0	15.2		6	0.234	15.0		0.6
16	RB 16	1.6	17.8		8	0.706	17.6		0.9
18	RB 18	1.6	19.8	+0.5	8	0.804	19.6	±0.10	0.9
20	RB 20	2.0	22.3		10	1.32	22.0		1.1
22	RB 22	2.0	24.3		10	1.47	24.0		1.1
24	RB 24	2.0	26.3	+0.5	10	1.63	26.0	±0.10	1.1
25	RB 25	2.0	27.3		10	1.70	27.0		1.1
26	RB 26	2.0	28.3		10	1.79	28.0		1.1
28	RB 28	2.0	30.3	+0.5	10	1.94	30.0	±0.10	1.1
30	RB 30	2.0	32.3		10	2.10	32.0		1.1
32	RB 32	2.5	34.9		12	3.47	34.5	±0.15	1.4
35	RB 35	2.5	37.9	+0.6	12	3.85	37.5		1.4
38	RB 38	2.5	40.9		12	4.20	40.5		1.4
40	RB 40	2.5	42.9	+0.6	12	4.43	42.5	±0.15	1.4
42	RB 42	2.5	45.0		16	4.54	44.5		1.4
45	RB 45	2.5	48.8		16	4.89	47.5		1.4
48	RB 48	2.5	51.0	+0.8	16	5.24	50.5	±0.15	1.4
50	RB 50	2.5	53.0		16	5.51	52.5		1.4
55	RB 55	3.2	58.9		20	9.77	58.2	±0.15	1.8
60	RB 60	3.2	63.9	+1.0	20	10.76	63.2		1.8
65	RB 65	3.2	68.9		20	11.75	68.2		1.8
70	RB 70	3.2	74.0	+1.0	25	12.44	73.2	±0.15	1.8
75	RB 75	3.2	79.0		25	13.43	78.2		1.8
80	RB 80	3.2	84.0		25	14.42	83.2	±0.15	1.8
85	RB 85	3.2	89.0	+1.2	25	15.41	88.2		1.8
90	RB 90	3.2	94.0		25	16.40	93.2		1.8
95	RB 95	3.2	99.0	+1.2	25	17.39	98.2	±0.15	1.8
100	RB 100	3.2	104.2		32	17.98	103.2		1.8
105	RB 105	3.2	109.2		32	18.98	108.2	±0.15	1.8
110	RB 110	3.2	114.2	+1.2	32	19.97	113.2		1.8
115	RB 115	3.2	119.2		32	20.96	118.2		1.8
120	RB 120	3.2	124.2		32	21.95	123.2	±0.15	1.8
125	RB 125	3.2	129.2		32	22.94	128.2		1.8

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064

Makvo

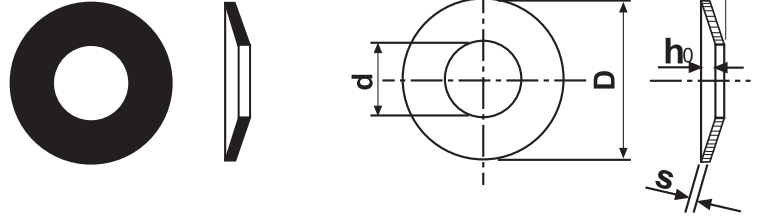
Sekmancı

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DIN 2093 A

Çanak Pullar Standart Seri



PUL ÖLÇÜLERİ							F N	Yükseklik 0.75 h0	N / mm ²	1000 Adet / kg
D h 12	d H 12	S		h0	l0					
8.0	4.2	0.4	+ 0.02 - 0.06	0.2	0.6	+ 0.10 - 0.05	210	0.15	1220	0.100
10.0	5.2	0.5		0.25	0.75		329	0.19	1240	0.204
12.5	6.2	0.7	0.3	1.0	673		0.23	1420	0.468	
14.0	7.2	0.8	+ 0.03 - 0.09	0.3	1.1		813	0.23	1340	0.654
16.0	8.2	0.9		0.35	1.25		1000	0.26	1290	0.994
18.0	9.2	1.0		0.4	1.4		1250	0.30	1300	1.374
20.0	10.2	1.1		0.45	1.55		1530	0.34	1300	1.880
22.5	11.2	1.25		0.5	1.75	1950	0.38	1320	2.780	
25.0	12.2	1.5	+ 0.04 - 0.12	0.55	2.05	+ 0.15 - 0.08	2910	0.41	1410	4.126
28.0	14.2	1.5		0.65	2.15		2850	0.49	1280	5.150
31.5	16.3	1.75		0.7	2.45		3900	0.53	1310	7.460
35.5	18.3	2.0		0.8	2.8	5190	0.60	1330	11.030	
40.0	20.4	2.25		0.9	3.15	+ 0.20 - 0.10	6540	0.68	1340	15.630
45.0	22.4	2.5		1.0	3.5		7720	0.75	1300	22.700
50.0	25.4	3.0		1.1	4.1		12000	0.83	1430	33.070
56.0	28.5	3.0		1.3	4.3		11400	0.98	1280	41.200
63.0	31.0	3.5		1.4	4.9		15000	1.05	1300	62.300
71.0	36.0	4.0		+ 0.30 - 0.15	1.6	5.6				88.500
80.0	41.0	5.0	1.7		6.7					
90.0	46.0	5.0	2.0		7.0					

DIN 2093 B Çanak Pullar İnce Seri

Pul Ölçüleri						F N	Yükseklik 0.75 h0	N / mm²	1000 Adet / kg	
D h 12	d H 12	S		h0	l0					
8.0	4.2	0.3	+ 0.02 - 0.06	0.25	0.55	+ 0.10 - 0.05	119	0.19	1330	0.080
10.0	5.2	0.4		0.3	0.7		213	0.23	1300	0.161
12.5	6.2	0.5		0.35	0.85		291	0.26	1110	0.332
14.0	7.2	0.5		0.4	0.9		279	0.30	1100	0.383
16.0	8.2	0.6		0.45	1.05		412	0.34	1120	0.659
18.0	9.2	0.7	+ 0.03 - 0.09	0.5	1.2	+ 0.10 - 0.05	572	0.38	1130	1.050
20.0	10.2	0.8		0.55	1.35		745	0.41	1110	1.370
22.5	11.2	0.8		0.65	1.45		710	0.49	1080	1.770
25.0	12.2	0.9		0.7	1.6		868	0.53	1030	2.500
28.0	14.2	1.0		0.8	1.8		1110	0.60	1090	3.440
31.5	16.3	1.25	+ 0.04 - 0.12	0.9	2.15	+ 0.15 - 0.08	1920	0.68	1190	5.360
35.5	18.3	1.25		1.0	2.25		1700	0.75	1070	6.780
40.5	20.4	1.5		1.15	2.65		2620	0.86	1130	10.550
45.5	22.4	1.75		1.3	3.05		3660	0.98	1150	15.800
50	25.4	2.0		1.4	3.4		4760	1.05	1140	22.200
56	28.5	2.0		1.6	3.6		4440	1.2	1090	27.630
63	31	2.5		1.75	4.25		7180	1.31	1090	44.700

MALZEME

Yay Çeliği: DIN 17222
50 Cr V4
HRC 42 ÷ 52

Makvo

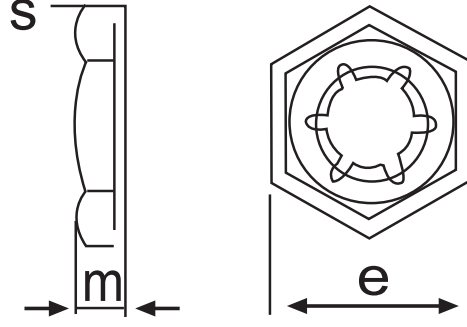
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DIN 7967

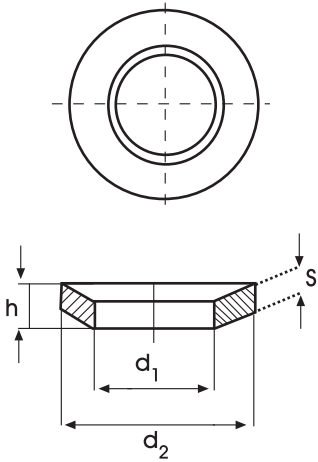
Emniyet Somunu



MM	s	m	e
8 x 1.28	0.5	3.5	13
10 x 1.50	0.5	4.0	17
12 x 1.75	0.6	4.5	19
14 x 2.00	0.6	5.0	22
16 x 2.00	0.7	5.0	24
18 x 2.50	0.7	5.5	27
20 x 2.50	0.8	6.0	30
24 x 3.00	0.9	7.0	36

DIN 6796

KALIN SERİ ÇANAK PULLAR



Nominal	d1 H14	d2 js16	min.	h	max.	s	tol	İlgili vida çapı
2.00	2.20	5.00	0.50	1.00	0.40		+0.03	2
2.50	2.70	6.00	0.55	1.10	0.50			2.5
3.00	3.20	7.00	0.65	1.30	0.60			3
3.50	3.70	8.00	0.70	1.40	0.80			3.5
4.00	4.30	9.00	0.80	1.60	1.00		+0.05	4
5.00	5.30	11.00	0.90	1.80	1.20			5
6.00	6.40	14.00	1.10	2.20	1.50			6
8.00	8.40	18.00	1.40	2.60	2.00			8
10.00	10.50	23.00	1.70	3.40	2.50			10
12.00	13.00	29.00	2.00	4.00	3.00			12
14.00	15.00	35.00	2.50	4.50	3.50			14
16.00	17.00	39.00	3.00	5.00	4.00			16
18.00	19.00	42.00	3.00	6.00	4.50		+0.06	18
20.00	21.00	45.00	3.50	7.00	5.00			20

MALZEME

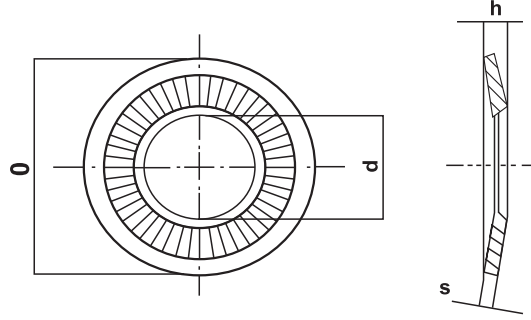
Yay Çeliği: DIN 17222
50 Cr V4
HRC 42 ÷ 52

Makvo
Sekmanci
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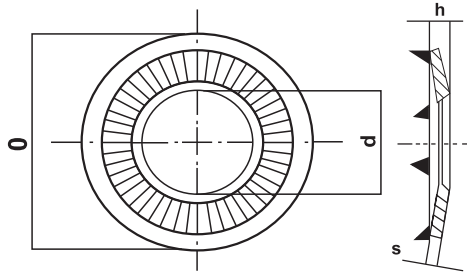
İZLİ ÇANAK PUL (Kaplamalı)

contdet washers



	d min	D max	s	h N	1000 Adet / Kg
m 3	3.30	8.00	1.00	1.50	
m 4	4.30	10.00	1.20	1.80	
m 5	5.30	12.00	1.20	1.80	0.740
m 6	6.40	14.00	1.50	2.25	1.380
m 8	8.40	18.00	1.50	2.25	2.140
m 10	10.50	22.00	1.60	2.40	3.560
m 12	13.00	27.00	1.80	2.70	4.350
m 14	14.30	30.00	1.80	2.70	
m 16	16.30	32.00	1.80	2.70	7.450
m 18	18.50	37.00	2.00	3.00	
m 20	20.50	40.00	2.00	3.00	

TIRNAKLI İZLİ ÇANAK PUL (Kaplamalı)



	d min	D max	s	h N	1000 Adet / Kg
m4	4.30	10.00	1.20	1.80	
m5	5.30	12.00	1.20	1.80	0.410
m6	6.40	12.00	1.20	1.80	0.660
m8	8.40	18.00	1.50	2.25	1.440
m10	10.50	22.00	1.60	2.40	3.360
m12	13.00	24.00	1.80	2.70	6.200
m16	16.30	31.50	1.80	2.70	
m20	20.50	40.00	2.00	3.00	

Makvo

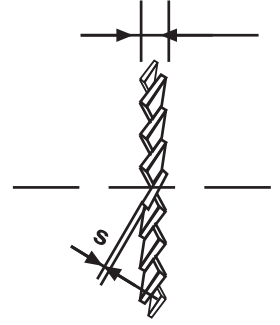
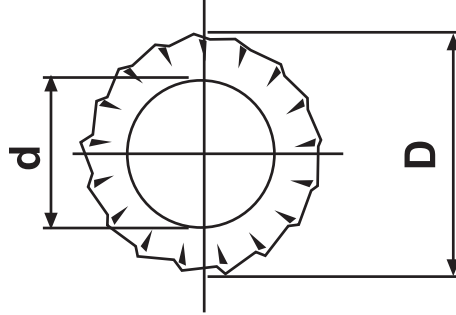
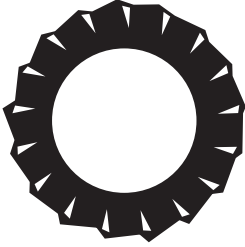
Sekmanci

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DIN 6798 A

DIŞTAN TIRTILLI PULLAR



mm.	MONTAJ ÖLÇÜLERİ					
	d h13	D h14	S		Diş Sayısı	1000 adet kg.
2.0	2.2	4.5	0.3	+0.02	9.0	0.025
2.3	2.5	5.0	0.4	+0.03	9.0	0.041
2.5	2.7	5.5	0.4		9.0	0.049
2.6	2.8	5.5	0.4		9.0	0.049
3.0	3.2	6.0	0.4		9.0	0.061
3.5	3.7	7.0	0.5		10.0	0.100
4.0	4.3	8.0	0.5		11.0	0.135
5.0	5.1	9.0	0.5		11.0	0.165
5.0	5.3	10	0.6		11.0	0.250
6.0	6.4	11	0.7		12.0	0.302
7.0	7.4	12.5	0.8		14.0	0.421
8.0	8.2	14	0.8		14.0	0.559
8.0	8.4	15	0.8		14.0	0.679
9 -3/8"	9.55	16	0.8		14.0	0.740
10.0	10.5	18	0.9	+0.04	16.0	1.098
11-7/16"	11.5	19.5	0.9		16.0	1.256
12.0	13	20.5	1.0		16.0	1.475
13 -1/2"	13.2	22	1.0		16.0	1.711
14.0	15	24	1.0		18.0	2.142
16.0	17	26	1.2		18.0	2.780
18.0	19	30	1.4		18.0	4.272
20.0	21	33	1.4		20.0	5.150
22.0	23	36	1.5	+0.05	20.0	6.570
24.0	25	38	1.5		20.0	7.100
26-1	26.4	40	1.6		20.0	8.127
27.0	28	44	1.6		22.0	10.900
30.0	31	48	1.6		22.0	12.980

MALZEME

Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC 38 ÷ 45

Makvo

Sekmanci

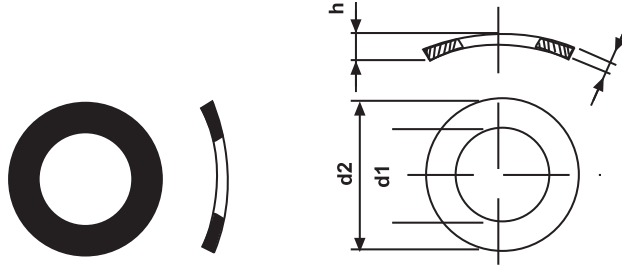
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

Perpa İş Merkezi Kat: 7-8 No: 999 34384 OKMEYDANI / İSTANBUL
Tel. : (0212) 222 47 32 - 60 PBX. Faks : (0212) 222 48 21
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DIN 137

A TİPİ

Ondüle Pullar

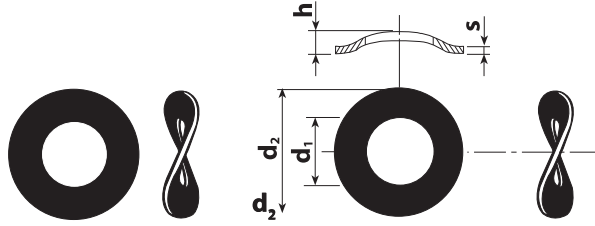


d1	MONTAJ ÖLÇÜLERİ						1000 adet kg.
	d1	d2	min.	h	max.	S	
2.0	2.2	4.5	0.5		1.0	0.3	0.027
2.3	2.5	5.0	0.5		1.0	0.3	0.032
2.5 - 2.6	2.8	5.5	0.55		1.1	0.3	0.040
3.0	3.2	6.0	0.65		1.3	0.4	0.060
3.5	3.7	7.0	0.7		1.4	0.4	0.090
4.0	4.3	8.0	0.8		1.6	0.5	0.125
5.0	5.3	10.0	0.9		1.8	0.5	0.200
6.0	6.4	11.0	1.1		2.2	0.5	0.229
7.0	7.4	12.0	1.2		2.4	0.5	0.236
8.0	8.4	15.0	1.7		3.4	0.5	0.437
10.0	10.5	18.0	2.0		4.0	0.8	0.967

DIN 137

B TİPİ

Ondüle Pullar



d1	MONTAJ ÖLÇÜLERİ						1000 adet kg.
	d1	d2	min.	h	max.	S	
3.0	3.2	8.0	0.8		1.6	0.5	0.157
3.5	3.7	8.0	0.9		1.8	0.5	0.139
4.0	4.3	9.0	1.0		2.0	0.5	0.175
5.0	5.3	11.0	1.1		2.2	0.5	0.266
6.0	6.4	12.0	1.3		2.6	0.5	0.282
7.0	7.4	14.0	1.5		3.0	0.8	0.620
8.0	8.4	15.0	1.5		3.0	0.8	0.670
8.0	8.4	17.0	1.7		3.4	0.8	1.020
10.0	10.5	18.0	2.1		4.2	1.0	1.190
10.0	10.5	21.0	2.1		4.2	1.0	1.911
12.0	13.0	24.0	2.5		5.0	1.2	2.810
14.0	15.0	28.0	3.0		6.0	1.6	4.990
16.0	17.0	30.0	3.2		6.4	1.6	5.110
18.0	19.0	34.0	3.3		6.6	1.6	7.090
20.0	21.0	36.0	3.7		7.4	1.6	7.460
22.0	23.0	40.0	3.9		7.8	1.8	11.430
24.0	25.0	44.0	4.1		8.2	1.8	13.560
27.0	28.0	50.0	4.7		9.4	2.0	20.480
30.0	31.0	56.0	5.0		10.0	2.2	28.700

MALZEME

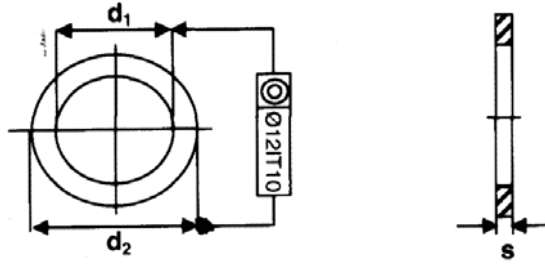
Yay Çeliği: C 60 - DIN 17222 - UNI 7064
HRC: 44 / 51

Makvo

Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

***Layner-Shim
Pullar***



										ÜRÜN NORMU					MALZEME															ÜRÜN NORMU					MALZEME				
Layner-SHIM										DIN 988 P5					DC01C590					Layner-SHIM										DIN 988 P5					DC01C590				
KALINLIK (s)																				KALINLIK (s)																			
0,10 0,07	0,15 0,12	0,20 0,16	0,25 0,21	0,30 0,25	0,50 0,45	1,00 0,95	1,10 1,05	1,20 1,15	1,30 1,25	1,40 1,35	1,50 1,45	1,60 1,55	1,70 1,65	1,80 1,75	1,90 1,85	2,00 1,95	0,10 0,07	0,15 0,12	0,20 0,16	0,25 0,21	0,30 0,25	0,50 0,45	1,00 0,95	1,10 1,05	1,20 1,15	1,30 1,25	1,40 1,35	1,50 1,45	1,60 1,55	1,70 1,65	1,80 1,75	1,90 1,85	2,00 1,95						
İÇ ÇAP d1						DIŞ ÇAP d2						İÇ ÇAP d1						DIŞ ÇAP d2																					
İÇ ÇAP		min		max		DIŞ ÇAP		min		max		İÇ ÇAP		min		max		DIŞ ÇAP		min		max																	
3		3.02		3.12		6		5.85		5.97		40		40.08		40.33		50		49.67		49.92																	
4		4.03		4.15		8		7.81		5.97		42		42.08		42.33		52		51.6		51.9																	
5		5.03		5.15		10		9.81		9.96		45		45.08		45.33		55		54.6		54.9																	
6		6.03		6.15		12		11.77		11.95		45		45.08		45.33		56		55.6		55.9																	
7		7.04		7.19		13		12.77		12.95		48		48.08		48.33		60		59.6		59.9																	
8		8.04		8.19		14		13.77		13.95		50		50.08		50.33		62		61.6		61.9																	
9		9.04		9.19		15		14.77		14.95		50		50.08		50.33		63		62.6		62.9																	
10		10.04		10.19		16		15.77		15.95		52		52.1		52.4		65		64.6		64.9																	
11		11.05		11.23		17		16.77		16.95		55		55.1		55.4		68		67.6		67.9																	
12		12.05		12.23		18		17.77		17.95		56		56.1		56.4		70		69.6		69.9																	
13		13.05		13.23		19		18.725		18.935		56		56.1		56.4		72		71.6		71.9																	
14		14.05		14.23		20		19.725		19.935		60		60.1		60.4		75		74.6		74.9																	
15		15.05		15.23		21		20.725		20.935		63		63.1		63.4		80		79.6		79.9																	
16		16.05		16.23		22		21.725		21.935		65		65.1		65.4		85		84.53		84.88																	
17		17.05		17.23		24		23.725		23.935		70		70.1		70.4		90		89.53		89.88																	
18		18.05		18.23		25		24.725		24.935		75		75.1		75.4		95		94.53		94.88																	
19		19.065		19.275		26		25.725		25.935		80		80.1		80.4		100		99.53		99.88																	
20		20.065		20.275		28		27.725		27.935		85		85.1		85.47		105		104.53		104.88																	
22		22.065		22.275		30		29.725		29.935		90		90.12		90.47		110		109.53		109.88																	
22		22.065		22.275		32		31.67		31.92		95		95.12		95.47		115		114.53		114.88																	
25		25.065		25.275		35		34.67		34.92		100		100.12		100.47		120		119.53		119.88																	
25		25.065		25.275		36		35.67		35.92		100		100.12		100.47		125		124.455		124.855																	
26		26.065		26.275		37		36.67		36.92		105		105.12		105.47		130		129.455		129.855																	
28		28.065		28.275		40		39.67		39.92		110		110.12		110.47		140		139.455		139.855																	
30		30.065		30.275		42		41.67		41.92		120		120.12		120.47		150		149.455		149.855																	
32		32.08		32.33		45		44.67		44.92		130		130.145		130.545		160		159.455		159.855																	
35		35.08		35.33		45		44.67		44.92		140		140.145		140.545		170		169.455		169.855																	
36		36.08		36.33		45		44.67		44.92		150		150.145		150.545		180		179.455		179.855																	
37		37.08		37.33		47		46.67		46.92		160		160.145		160.545		190		189.37		189.83																	
												170		170.145		170.545		200		199.37		199.83																	

MALZEME
DC 01 C 590

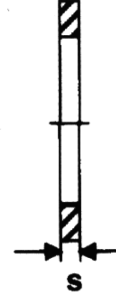
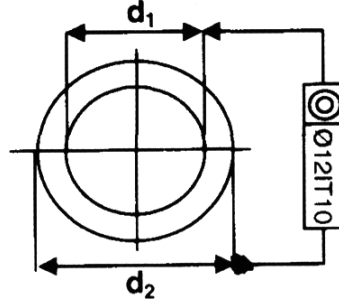
Makvo
Sekmanci
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

Perpa İş Merkezi Kat: 7-8 No: 999 34384 OKMEYDANI / İSTANBUL
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DIN 988 SS

Layner-Shim

Destekleme Pulları



			ÜRÜN STANDARTI		MALZEME CİNSİ		SERTLİK DEĞERİ					ÜRÜN STANDARTI		MALZEME CİNSİ		SERTLİK DEĞERİ	
Layner-SHIM			DIN 988 SS		EN 10132-4 DIN 17222		44-49 HRC		Layner-SHIM			DIN 988 SS		EN 10132-4 DIN 17222		44-49 HRC	
İÇ ÇAP d1			DIŞ ÇAP d2			KALINLIK (s)		İÇ ÇAP d1			DIŞ ÇAP d2			KALINLIK (s)			
İÇ ÇAP	min	max	DIŞ ÇAP	min	max	KALINLIK	min	İÇ ÇAP	min	max	DIŞ ÇAP	min	max	KALINLIK	min		
3	3.02	3.12	6	5.85	5.97	1.00	0.95	40	40.08	40.33	50	49.67	49.92	2.50	2.45		
4	4.03	4.15	8	7.81	7.96			42	42.08	42.33	52	51.6	51.9				
5	5.03	5.15	10	9.81	9.96			45	45.08	45.33	55	54.6	54.9				
6	6.03	6.15	12	11.77	11.95			45	45.08	45.33	56	55.6	55.9				
7	7.04	7.19	13	12.77	12.95	1.20	1.15	48	48.08	48.33	60	59.6	59.9	3.00	2.94		
8	8.04	8.19	14	13.77	13.95			50	50.08	50.33	62	61.6	61.9				
9	9.04	9.19	15	14.77	14.95			50	50.08	50.33	63	62.6	62.9				
10	10.04	10.19	16	15.77	15.95			52	52.1	52.4	65	64.6	64.9				
11	11.05	11.23	17	16.77	16.95			55	55.1	55.4	68	67.6	67.9				
12	12.05	12.23	18	17.77	17.95			56	56.1	56.4	70	69.6	69.9				
13	13.05	13.23	19	18.725	18.935			56	56.1	56.4	72	71.6	71.9				
14	14.05	14.23	20	19.725	19.935			60	60.1	60.4	75	74.6	74.9				
15	15.05	15.23	21	20.725	20.935	1.50	1.45	63	63.1	63.4	80	79.6	79.9	3.50	3.44		
16	16.05	16.23	22	21.725	21.935			65	65.1	65.4	85	84.53	84.88				
17	17.05	17.23	24	23.725	23.935			70	70.1	70.4	90	89.53	89.88				
18	18.05	18.23	25	24.725	24.935			75	75.1	75.4	95	94.53	94.88				
19	19.065	19.275	26	25.725	25.935			80	80.1	80.4	100	99.53	99.88				
20	20.065	20.275	28	27.725	27.935			85	85.1	85.47	105	104.53	104.88				
22	22.065	22.275	30	29.725	29.935			90	90.12	90.47	110	109.53	109.88				
22	22.065	22.275	32	31.67	31.92			95	95.12	95.47	115	114.53	114.88				
25	25.065	25.275	35	34.67	34.92	2.00	1.95	100	100.12	100.47	120	119.53	119.88	3.50	3.42		
25	25.065	25.275	36	35.67	35.92			100	100.12	100.47	125	124.455	124.855				
26	26.065	26.275	37	36.67	36.92			105	105.12	105.47	130	129.455	129.855				
28	28.065	28.275	40	39.67	39.92			110	110.12	110.47	140	139.455	139.855				
30	30.065	30.275	42	41.67	41.92			120	120.12	120.47	150	149.455	149.855				
32	32.08	32.33	45	44.67	44.92			130	130.145	130.545	160	159.455	159.855				
35	35.08	35.33	45	44.67	44.92			140	140.145	140.545	170	169.455	169.855				
36	36.08	36.33	45	44.67	44.92			150	150.145	150.545	180	179.455	179.855				
37	37.08	37.33	47	46.67	46.92	2.50	2.45	160	160.145	160.545	190	189.37	189.83	3.50	3.42		
								170	170.145	170.545	200	199.37	199.83				

MALZEME

DIN 17222 - EN 10132

HRC: 44 / 51

Makvo

Sekmancı

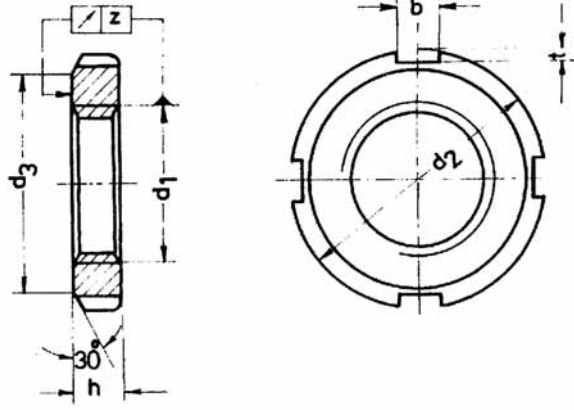
BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

Perpa İş Merkezi Kat: 7-8 No: 999 34384 OKMEYDANI / İSTANBUL
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e-mail: satis@sekmanci.com web: www.sekmanci.com

DIN 981

BASKI

KONTRA SOMUNLAR



KOD	d1 Diş Adımı	d2 h11	d3 h13	h h13	b h14	t	100 Adet / kg
KM 0	M 10 x 0.75	18	13.5	4	3	2.0	0.4
KM 1	M 12 x 1.00	22	17.0	4	3	2.0	0.7
KM 2	M 15 x 1.00	25	21.0	5	4	2.0	1.0
KM 3	M 17 x 1.00	28	24.0	5	4	2.0	1.3
KM 4	M 20 x 1.00	32	26.0	6	4	2.0	1.9
KM 5	M 25 x 1.50	38	32.0	7	5	2.0	2.5
KM 6	M 30 x 1.50	45	38.0	7	5	2.0	4.3
KM 7	M 35 x 1.50	52	44.0	8	5	2.0	5.3
KM 8	M 40 x 1.50	58	50.0	9	6	2.5	8.5
KM 9	M 45 x 1.50	65	56.0	10	6	2.5	11.9
KM 10	M 50 x 1.50	70	61.0	11	6	2.5	14.8
KM 11	M 55 x 2.00	75	67.0	11	7	3.0	15.8
KM 12	M 60 x 2.00	80	73.0	11	7	3.0	17.4
KM 13	M 65 x 2.00	85	79.0	12	7	3.0	20.3
KM 14	M 70 x 2.00	92	85.0	12	8	3.5	24.2
KM 15	M 75 x 2.00	98	90.0	13	8	3.5	28.7
KM 16	M 80 x 2.00	105	95.0	15	8	3.5	39.7
KM 17	M 85 x 2.00	110	102.0	16	8	3.5	45.1
KM 18	M 90 x 2.00	120	108.0	16	10	4.0	55.6
KM 19	M 95 x 2.00	125	113.0	17	10	4.0	65.8
KM 20	M 100 x 2.00	130	120.0	18	10	4.0	69.8
KM 21	M 105 x 2.00	140	126.0	18	12	5.0	84.5
KM 22	M 110 x 2.00	145	133.0	19	12	5.0	96.5
KM 23	M 115 x 2.00	150	137.0	19	12	5.0	101.0
KM 24	M 120 x 2.00	155	138.0	20	12	5.0	108.0
KM 25	M 125 x 2.00	160	148.0	21	12	5.0	119.0
KM 26	M 130 x 2.00	165	149.0	21	12	5.0	125.0
KM 27	M 135 x 2.00	175	160.0	22	14	6.0	155.0
KM 28	M 140 x 2.00	180	160.0	22	14	6.0	156.0
KM 29	M 145 x 2.00	190	171.0	24	14	6.0	180.0
KM 30	M 150 x 2.00	195	171.0	24	14	6.0	203.0
KM 31	M 155 x 3.00	200	182.0	25	16	7.0	230.0
KM 32	M 160 x 3.00	210	182.0	25	16	7.0	259.0
KM 33	M 165 x 3.00	210	193.0	26	16	7.0	270.0
KM 34	M 170 x 3.00	220	193.0	26	16	7.0	280.0
KM 36	M 180 x 3.00	230	203.0	27	18	8.0	307.0
KM 38	M 190 x 3.00	240	214.0	28	18	8.0	339.0
KM 40	M 200 x 3.00	250	226.0	29	18	8.0	369.0

MALZEME :

ST 42 - 52

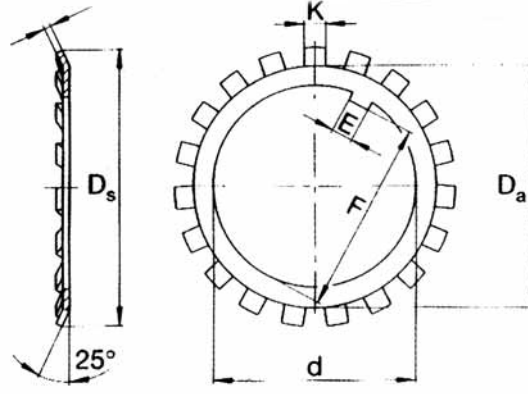
Makvo

Sekmanci

BAĞLANTI ELEMANLARI SAN. ve TİC.LTD.ŞTİ

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e-mail: satis@sekmanci.com web: www.sekmanci.com

KİLİTLİ PULLAR



Kod	d mm	D s	D a	S	E	F	K	Ağırlık 100 adet kg
MB 0	10	21	13.5	1	3	8.5	3	0.13
MB 1	12	25	17	1	3	10.5	3	0.192
MB 2	15	28	21	1	4	13.5	3	0.253
MB 3	17	32	24	1	4	15.5	4	0.313
MB 4	20	36	26	1	4	18.5	4	0.35
MB 5	25	42	32	1.25	4	23	4	0.64
MB 6	30	49	38	1.25	4	27.5	4	0.78
MB 7	35	57	44	1.04	5	32.5	5	1.04
MB 8	40	62	50	1.25	5	37.5	5	1.23
MB 9	45	69	56	1.25	5	42.5	5	1.52
MB 10	50	74	61	1.25	6	47.5	5	1.6
MB 11	55	81	67	1.5	6	52.5	5	1.96
MB 12	60	86	73	1.5	6	57.52	6	2.53
MB 13	65	92	79	1.5	6	62.5	6	2.9
MB 14	70	98	85	1.5	6	66.5	6	3.34
MB 15	75	104	90	1.5	6	71.5	7	3.56
MB 16	80	112	95	1.5	8	76.5	7	4.64
MB 17	85	119	102	1.8	8	81.5	8	5.24
MB 18	90	126	113	1.8	8	86.5	8	6.23
MB 19	95	133	120	1.8	88	91.5	8	6.7
MB 20	100	142	126	1.8	8	96.5	10	7.65
MB 21	105	145	133	1.87	10	100.5	10	8.26
MB 22	110	154	133	1.75	10	110.5	12	9.4
MB 23	115	159	137	1.75	10	115	12	10.8
MB 24	120	151	138	2	10	115	12	7.7
MB 25	125	170	148	2	12	120	12	11.8
MB 26	130	161	149	2	1	1258	12	8.7
MB 27	135	185	160	2	12	130	12	14.4
MB 28	140	192	171	2	12	135	12	10.8
MB 29	145	202	171	2	14	140	14	16.8
MB 30	150	205	181	2	141	145	14	11.3
MB 31	155	212	182	2	4	147.5	14	20.8
MB 32	160	217	193	2	14	154	16	16.2
MB 34	165	222	193	3	14	157.5	17	24.1
MB 36	170	232	203	3	16	164	16	17
MB 38	180	242	214	3	16	174	16	18
MB 40	190	252	214	2.5	20	184	16	20.5
MB 44	200	262	226	2.5	20	194	18	21.4
MB 48	220	292	250	2.5	20	213	20	40
MB 52	240	312	270	3	24	233	20	40
MB 56	260	342	300	3	28	253	24	40
MB 58	280	362	320	3	28	273	24	60

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