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DELTA[®]

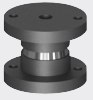
mükemmel
bir kalıp için **DELTA[®]**
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	D80.01 Grafitli Sürtünme Plakası Wear Plate with Graphite Insert 72		D100.50.01_00500 Gazlı Yay Bağlama Pabucu Gas Springs Mounting Clamp 85		D100.50.02_03000 Gazlı Yay Bağlama Pabucu Gas Springs Mounting Clamp 91
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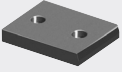
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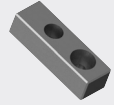
D55.04
Konik Merkezleme
Locating Cone

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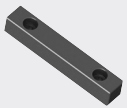
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Kama
Standard Key
Square

151



D91.04
Kama
Standard Key
Square

152



D91.05
Kama
Standard Key
Square

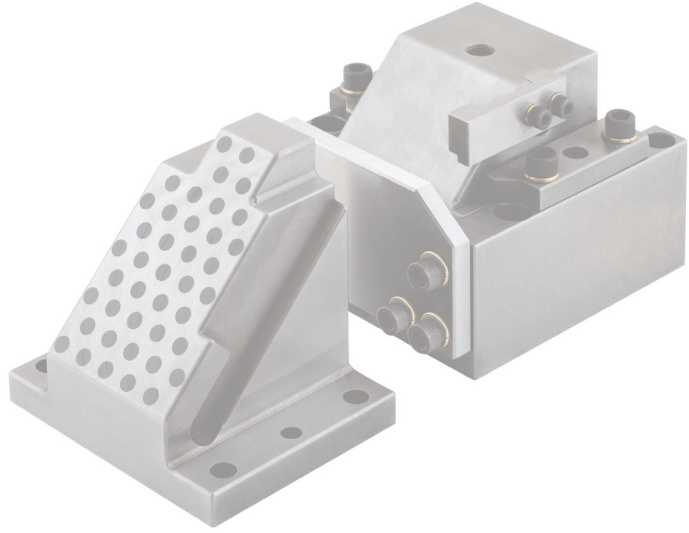
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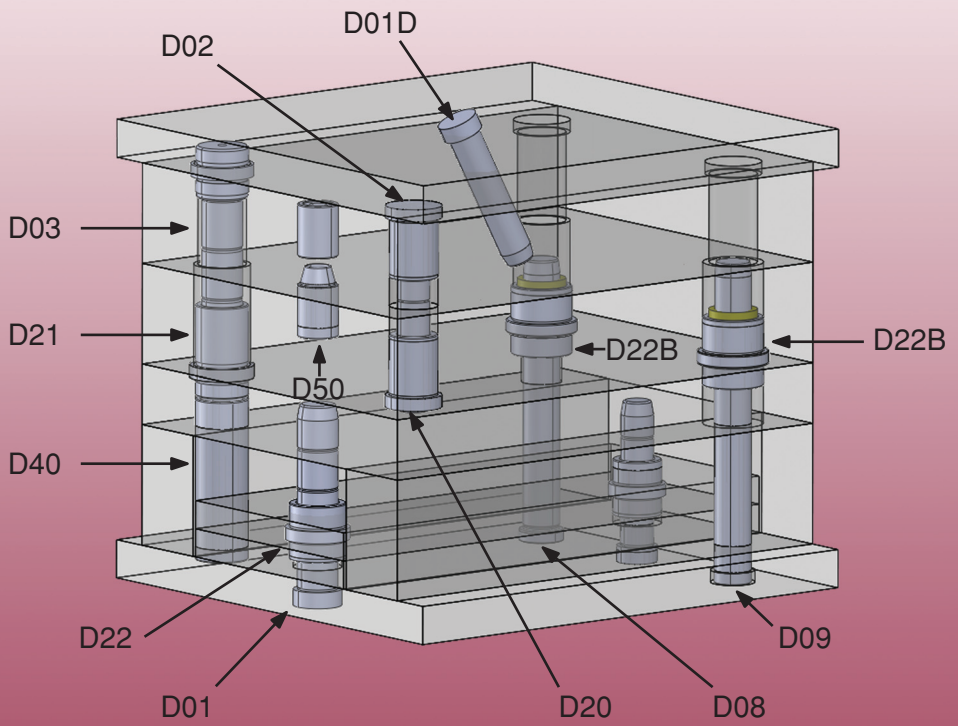
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Enjeksiyon Kalıbı Ürünleri

Injection Mould Components



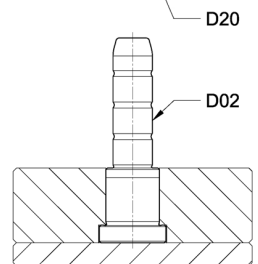
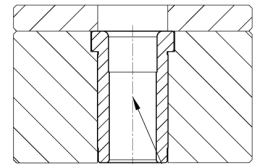
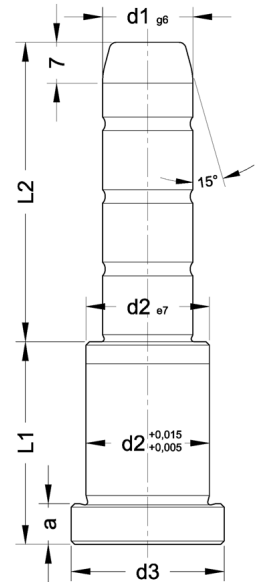
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø	L1	L2	d2	d3	a
D02_12026026	12	26	26	16	19	4
036			36			
046			46			
056			56			
D02_12036026	12	36	26	16	19	4
036			36			
046			46			
056			56			
D02_12046026	12	46	26	16	19	4
036			36			
046			46			
056			56			
066			66			
D02_14026026	14	26	26	20	25	6
036			36			
046			46			
056			56			
066			66			
076			76			
D02_14036026	14	36	26	20	25	6
036			36			
046			46			
056			56			
066			66			
086			86			
D02_14046026	14	46	26	20	25	6
036			36			
046			46			
056			56			
076			76			
096			96			
D02_14056026	14	56	26	20	25	6
036			36			
046			46			
066			66			
086			86			
106			106			
D02_16026026	16	26	26	24	28	6
036			36			
046			46			
056			56			
076			76			



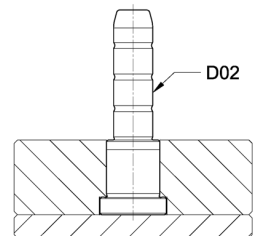
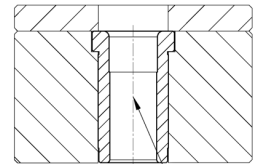
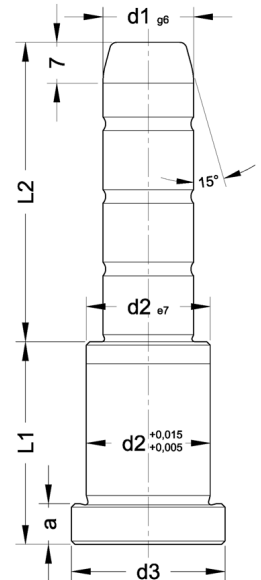
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d1	L1	L2	d2	d3	a
D02_16026096	16	26	96	24	28	6
D02_16036026	16	36	26	24	28	6
036			36			
046			46			
056			56			
066			66			
086			86			
106			106			
D02_16046026	16	46	26	24	28	6
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_16056026	16	56	26	24	28	6
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_16066026	16	66	26	24	28	6
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
116			116			
D02_16076026	16	76	26	24	28	6
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_16086026	16	86	26	24	28	6



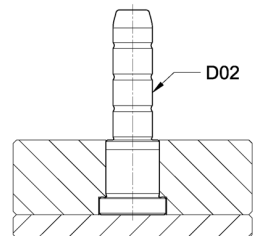
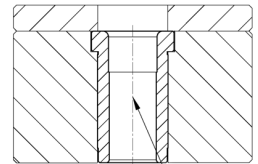
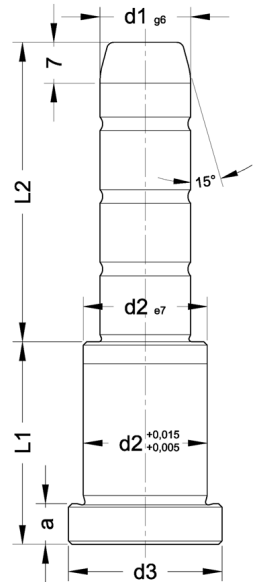
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_16086036	16	86	36	24	28	6
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_18026026	18	26	26	26	31	6
036			36			
046			46			
056			56			
066			66			
086			86			
D02_18036026	18	36	26	26	31	6
036			36			
046			46			
056			56			
066			66			
086			86			
106			106			
D02_18046026	18	46	26	26	31	6
036			36			
046			46			
056			56			
066			66			
086			86			
106			106			
126			126			
D02_18056026	18	56	26	26	31	6
036			36			
046			46			
056			56			
066			66			
086			86			
106			106			
126			126			
D02_18066026	18	66	26	26	31	6
036			36			
056			56			
076			76			
096			96			
116			116			



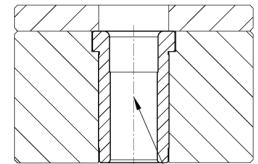
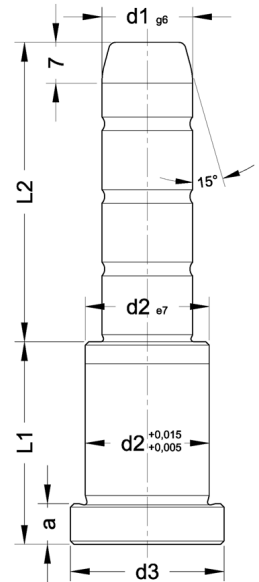
D02

Kademeli Kolon / Guide Pillar

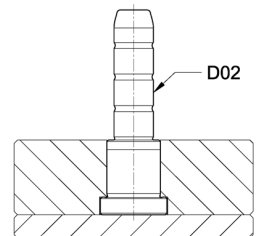
Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_18076026	18	76	26	26	31	6
046			46			
066			66			
086			86			
106			106			
126			126			
D02_18086026	18	86	26	26	31	6
046			46			
066			66			
086			86			
106			106			
126			126			
D02_20026026	20	26	26	28	32	6
036			36			
046			46			
056			56			
066			66			
086			86			
D02_20036026	20	36	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
D02_20046026	20	46	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
D02_20056026	20	56	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_20066026	20	66	26	28	32	6



D20



D02

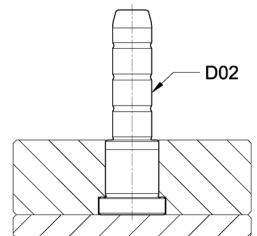
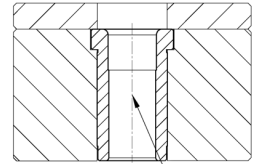
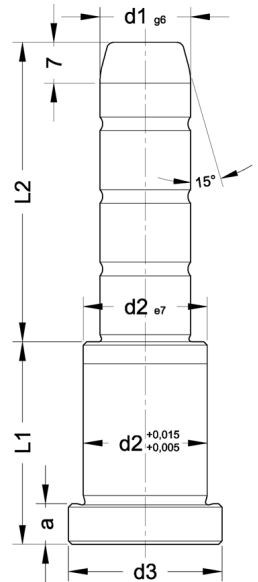
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_20066036	20	66	36	28	32	6
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_20076026	20	76	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
126			126			
D02_20086026	20	86	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
126			126			
D02_20096026	20	96	26	28	32	6
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
126			126			
D02_25026026	25	26	26	34	38	8
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
D02_25036026	25	36	26	34	38	8



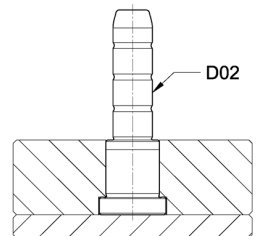
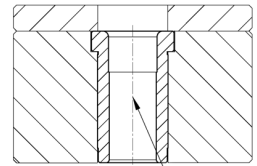
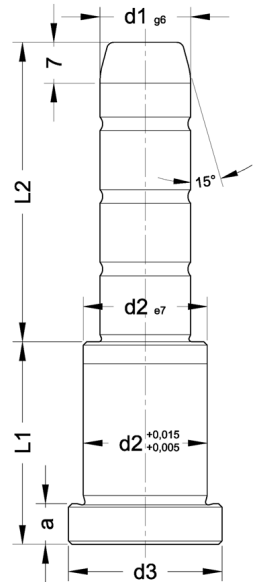
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_25036036	25	36	36	34	38	8
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
D02_25046026	25	46	26	34	38	8
036			36			
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
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066			66			
076			76			
096			96			
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D02_25066026	25	66	26	34	38	8
036			36			
046			46			
056			56			
066			66			
076			76			
086			86			
106			106			
126			126			
D02_25076026	25	76	26	34	38	8
036			36			
046			46			
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126			126			
D02_25086036	25	86	36	34	38	8



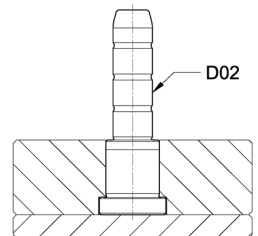
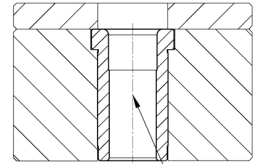
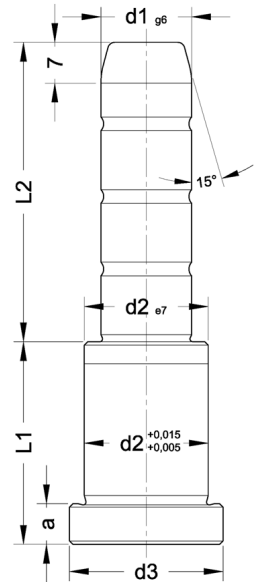
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_25086046	25	86	46	34	38	8
056			56			
066			66			
076			76			
086			86			
096			96			
116			116			
136			136			
D02_25096036	25	96	36	34	38	8
046			46			
056			56			
066			66			
076			76			
086			86			
096			96			
116			116			
136			136			
D02_25106046	25	106	46	34	38	8
056			56			
066			66			
076			76			
086			86			
096			96			
116			116			
136			136			
D02_30036036	30	36	36	39	43	10
046			46			
056			56			
066			66			
086			86			
106			106			
D02_30046036	30	46	36	39	43	10
046			46			
056			56			
066			66			
076			76			
096			96			
116			116			
D02_30056036	30	56	36	39	43	10
046			46			
056			56			
066			66			



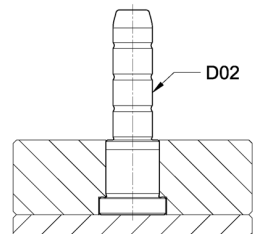
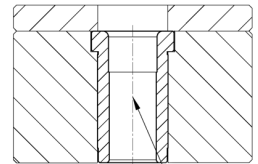
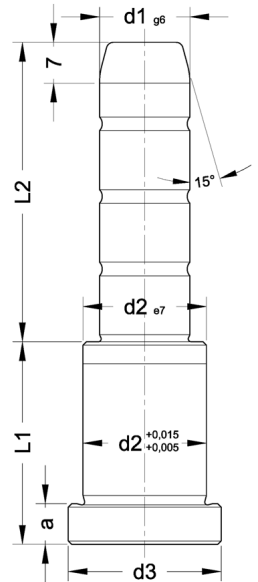
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_30056076	30	56	76	39	43	10
086			86			
106			106			
126			126			
D02_30066036	30	66	36	39	43	10
046			46			
056			56			
066			66			
076			76			
086			86			
096			96			
116			116			
136			136			
D02_30076036			30			
046	46					
056	56					
076	76					
096	96					
116	116					
136	136					
D02_30086036	30	86	36	39	43	10
046			46			
066			66			
086			86			
106			106			
126			126			
146			146			
D02_30096046			30			
066	66					
086	86					
106	106					
126	126					
146	146					
D02_30106056	30	106	56	39	43	10
076			76			
096			96			
116			116			
136			136			
D02_30116056	30	116	56	39	43	10
076			76			
096			96			
116			116			



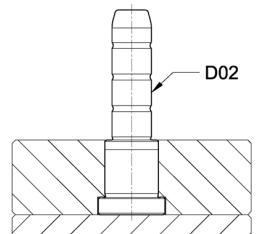
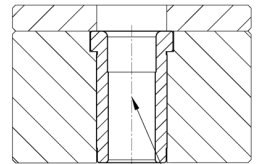
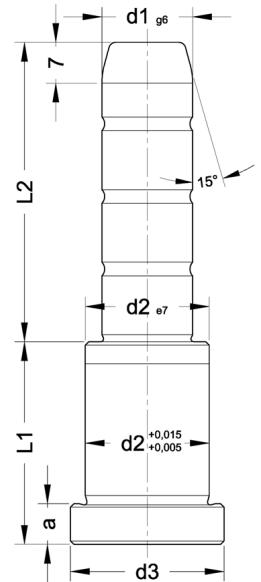
D02

Kademeli Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



	Ø					
Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_30116136	30	116	136	39	43	10
D02_40056056	40	56	56	54	58	10
086			86			
106			106			
126			126			
156			156			
186			186			
D02_40066066	40	66	66	54	58	10
096			96			
116			116			
136			136			
166			166			
196			196			
D02_40076076	40	76	76	54	58	10
106			106			
126			126			
146			146			
166			166			
196			196			
D02_40086086	40	86	86	54	58	10
126			126			
146			146			
176			176			
206			206			
226			226			
D02_40096096	40	96	96	54	58	10
136			136			
156			156			
186			186			
216			216			
236			236			
D02_40106106	40	106	106	54	58	10
126			126			
156			156			
186			186			
226			226			
246			246			
D02_40116116	40	116	116	54	58	10
136			136			
166			166			
196			196			



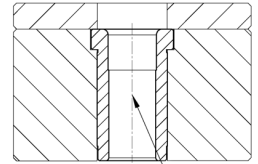
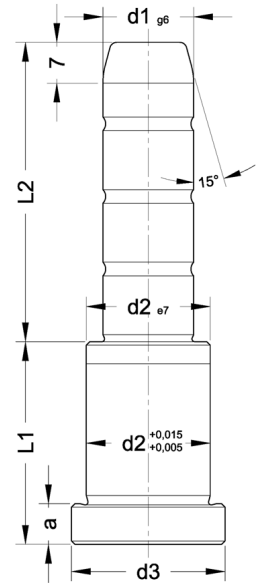
D02

Kademeli Kolon / Guide Pillar

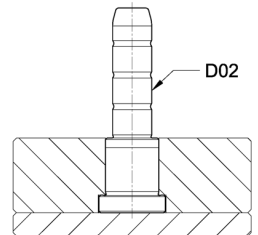
Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	d1	L1	L2	d2	d3	a
D02_40116236	40	116	236	54	58	10
256			256			
D02_40126126	40	126	126	54	58	10
166			166			
196			196			
236			236			
266			266			
D02_40136136	40	136	136	54	58	10
196			196			
226			226			
266			266			



D20



D02

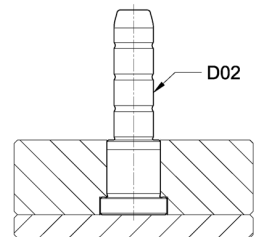
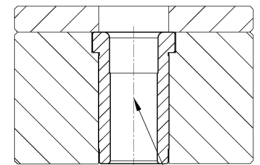
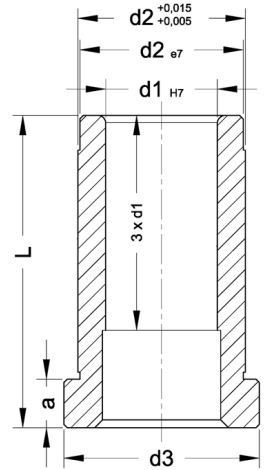
D20

Burç / Guide Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)



	Ø				
Sipariş Kodu	d1	L	d2	d3	a
D20_12026	12	26	16	19	4
036		36			
046		46			
056		56			
066		66			
D20_14026	14	26	20	25	6
036		36			
046		46			
056		56			
066		66			
076		76			
D20_16026	16	26	24	28	6
036		36			
046		46			
056		56			
066		66			
076		76			
086		86			
D20_18026	18	26	26	31	6
036		36			
046		46			
056		56			
066		66			
076		76			
086		86			
D20_20026	20	26	28	32	6
036		36			
046		46			
056		56			
066		66			
076		76			
086		86			
096		96			
D20_25026	25	26	34	38	8
036		36			
046		46			
056		56			
066		66			
076		76			
086		86			
096		96			
106		106			



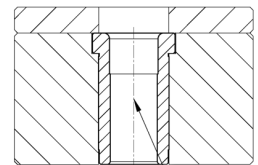
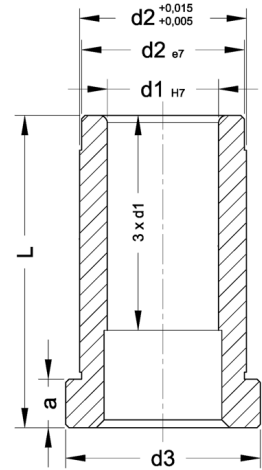
D20

Burç / Guide Bush

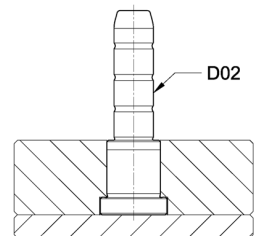
Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)



Sipariş Kodu	Ø d1	L	d2	d3	a
D20_30036	30	36	39	43	10
046		46			
056		56			
066		66			
076		76			
086		86			
096		96			
106		106			
116		116			
D20_40046	40	46	54	58	10
056		56			
066		66			
076		76			
086		86			
096		96			
106		106			
116		116			
126		126			
136		136			
146		146			



D20

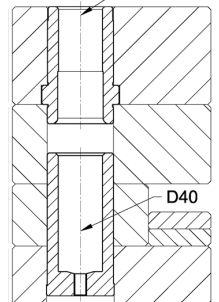
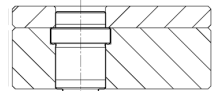
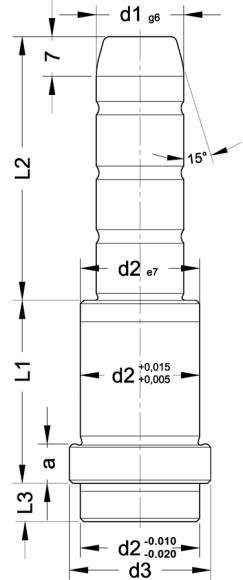


D02

D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_14017035	14	D03_15017035	15	17	35	9	20	25	6
055		055			55				
075		075			75				
095		095			95				
D03_14022030	14	D03_15022030	15	22	30	9	20	25	6
050		050			50				
070		070			70				
090		090			90				
110		110			110				
125		125			125				
150		150			150				
D03_14027030	14	D03_15027030	15	27	30	9	20	25	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
145		145			145				
165		165			165				
D03_14036035	14	D03_15036035	15	36	35	9	20	25	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
125		125			125				
145		145			145				
155		155			155				
D03_14046035	14	D03_15046035	15	46	35	9	20	25	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
145		145			145				
D03_14056035	14	D03_15056035	15	56	35	9	20	25	6
055		055			55				
075		075			75				
095		095			95				
135		135			135				
D03_14066055	14	D03_15066055	15	66	55	9	20	25	6
065		065			65				
085		085			85				

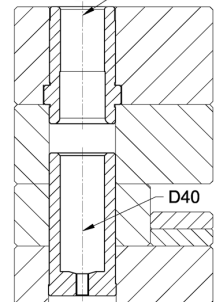
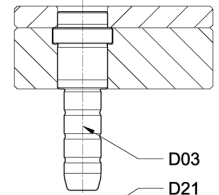
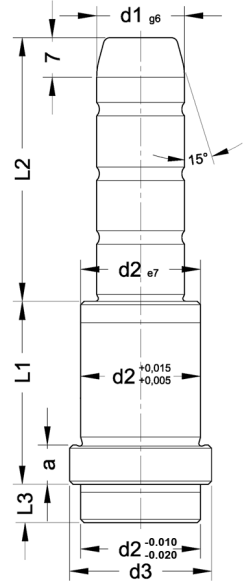
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_14066095	14	D03_15066095	15	66	95	9	20	25	6
105		105			105				
125		125			125				
D03_14076035	14	D03_15076035	15	76	35	9	20	25	6
055		055			55				
075		075			75				
095		095			95				
125		125			125				
D03_14086055	14	D03_15086055	15	86	55	9	20	25	6
075		075			75				
095		095			95				
D03_14096055	14	D03_15096055	15	96	55	9	20	25	6
075		075			75				
095		095			95				
D03_14116075	14	D03_15116075	15	116	75	9	20	25	6
D03_18017035	18	D03_20017035	20	17	35	9	26	31	6
055		055			55				
075		075			75				
120		120			120				
D03_18022035	18	D03_20022035	20	22	35	9	26	31	6
045		045			45				
065		065			65				
085		085			85				
095		095			95				
115		115			115				
D03_18027035	18	D03_20027035	20	27	35	9	26	31	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
165		165			165				
225		225			225				
245		245			245				
D03_18036035	18	D03_20036035	20	36	35	9	26	31	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
165		165			165				
225		225			225				



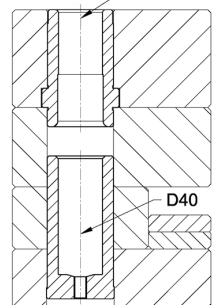
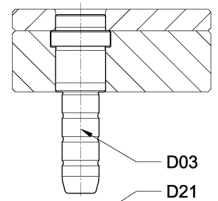
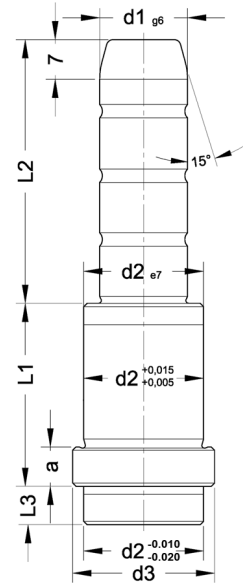
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_18036255	18	D03_20036255	20	36	255	9	26	31	6
D03_18046035	18	D03_20046035	20	46	35	9	26	31	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
135		135			135				
165		165			165				
245		245			245				
D03_18056035	18	D03_20056035	20	56	35	9	26	31	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
D03_18066035	18	D03_20066035	20	66	35	9	26	31	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
145		145			145				
D03_18076035	18	D03_20076035	20	76	35	9	26	31	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
D03_18086055	18	D03_20086055	20	86	55	9	26	31	6
075		075			75				
095		095			95				
125		125			125				
135		135			135				
D03_18096055	18	D03_20096055	20	96	55	9	26	31	6
075		075			75				
095		095			95				
D03_18116075	18	D03_20116075	20	116	75	9	26	31	6
115		115			115				
D03_18136135	18	D03_20136135	20	136	135	9	26	31	6
D03_22017035	22	D03_24017035	24	17	35	9	30	35	6
055		055			55				



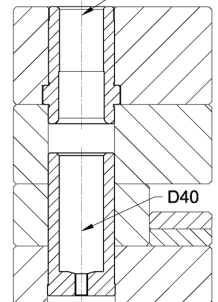
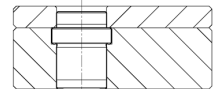
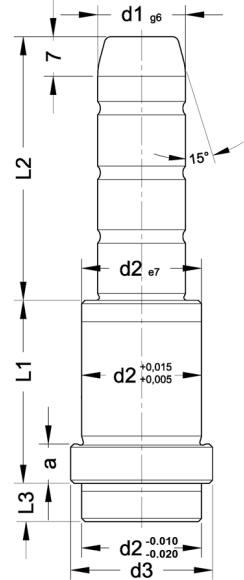
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_22017075	22	D03_24017075	24	17	75	9	30	35	6
D03_22022035	22	D03_24022035	24	22	35	9	30	35	6
055		055			55				
075		075			75				
095		095			95				
105		105			105				
130		130			130				
D03_22027035	22	D03_24027035	24	27	35	9	30	35	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
165		165			165				
205		205			205				
245		245			245				
D03_22036035	22	D03_24036035	24	36	35	9	30	35	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
165		165			165				
205		205			205				
245		245			245				
285		285			285				
D03_22046035	22	D03_24046035	24	46	35	9	30	35	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
165		165			165				
205		205			205				
D03_22056035	22	D03_24056035	24	56	35	9	30	35	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
165		165			165				
205		205			205				



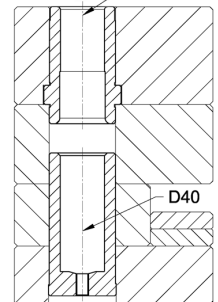
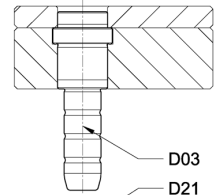
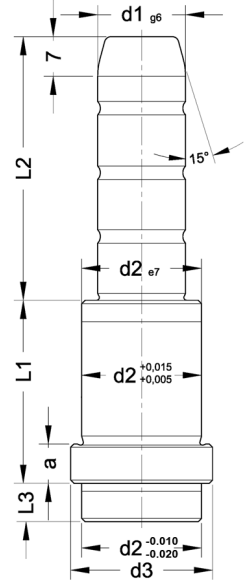
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_22066035	22	D03_24066035	24	66	35	9	30	35	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
D03_22076035	22	D03_24076035	24	76	35	9	30	35	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
145		145			145				
D03_22086055	22	D03_24086055	24	86	55	9	30	35	6
075		075			75				
095		095			95				
125		125			125				
135		135			135				
D03_22096055	22	D03_24096055	24	96	55	9	30	35	6
075		075			75				
095		095			95				
125		125			125				
D03_22106055	22	D03_24106055	24	106	55	9	30	35	6
075		075			75				
095		095			95				
115		115			115				
D03_22116075	22	D03_24116075	24	116	75	9	30	35	6
115		115			115				
155		155			155				
D03_22136095	22	D03_24136095	24	136	95	9	30	35	6
135		135			135				
D03_30027035	30	D03_32027035	32	27	35	9	42	47	6
045		045			45				
065		065			65				
085		085			85				
105		105			105				
125		125			125				
145		145			145				
165		165			165				
185		185			185				
245		245			245				
285		285			285				



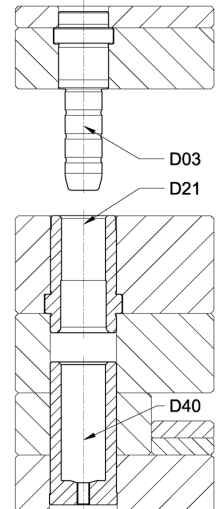
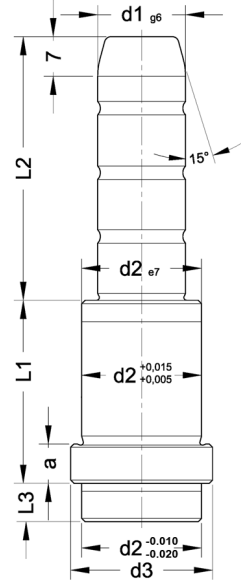
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_30036035	30	D03_32036035	32	36	35	9	42	47	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
245		245			245				
285		285			285				
D03_30046045	30	D03_32046045	32	46	45	9	42	47	6
065		065			65				
085		085			85				
105		105			105				
125		125			125				
145		145			145				
165		165			165				
245		245			245				
285		285			285				
D03_30056045	30	D03_32056045	32	56	45	9	42	47	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
175		175			175				
245		245			245				
295		295			295				
D03_30066045	30	D03_32066045	32	66	45	9	42	47	6
055		055			55				
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
175		175			175				
245		245			245				
295		295			295				
D03_30076055	30	D03_32076055	32	76	55	9	42	47	6
075		075			75				
095		095			95				
115		115			115				



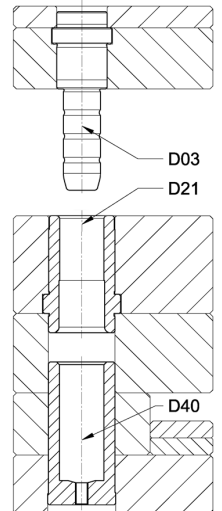
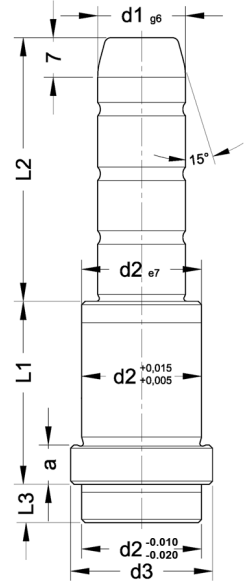
D03

Kuyruklu Kolon / Tailed Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_30076135	30	D03_32076135	32	76	135	9	42	47	6
155		155			155				
225		225			225				
D03_30086055	30	D03_32086055	32	86	55	9	42	47	6
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
225		225			225				
D03_30096055	30	D03_32096055	32	96	55	9	42	47	6
075		075			75				
095		095			95				
115		115			115				
135		135			135				
155		155			155				
205		205			205				
D03_30106075	30	D03_32106075	32	106	75	9	42	47	6
095		095			95				
115		115			115				
125		125			125				
145		145			145				
165		165			165				
D03_30116075	30	D03_32116075	32	116	75	9	42	47	6
095		095			95				
115		115			115				
135		135			135				
155		155			155				
D03_30136095	30	D03_32136095	32	136	95	9	42	47	6
115		115			115				
135		135			135				
155		155			155				
D03_30156115	30	D03_32156115	32	156	115	9	42	47	6
155		155			155				
D03_30196155	30	D03_32196155	32	196	155	9	42	47	6
195		195			195				
D03_40046095	40	D03_42046095	42	46	95	12	54	60	10
165		165			165				
D03_40056075	40	D03_42056075	42	56	75	12	54	60	10
115		115			115				
155		155			155				
195		195			195				



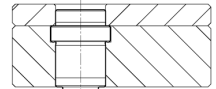
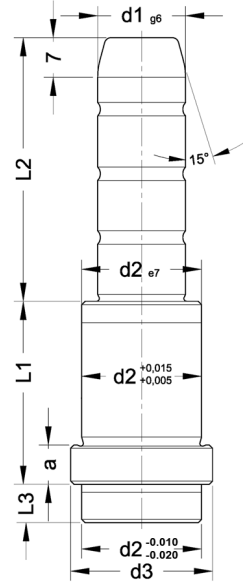
D03

Kuyruklu Kolon / Tailed Guide Pillar

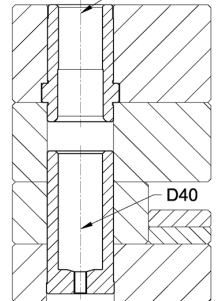
Malzeme - Material : Asil Çelik 1.1213 (Cf53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 16761 - A



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	L3	d2	d3	a
D03_40066075	40	D03_42066075	42	66	75	12	54	60	10
135		135			135				
D03_40076075	40	D03_42076075	42	76	75	12	54	60	10
115		115			115				
175		175			175				
D03_40086075	40	D03_42086075	42	86	75	12	54	60	10
135		135			135				
D03_40096075	40	D03_42096075	42	96	75	12	54	60	10
115		115			115				
155		155			155				
D03_40116095	40	D03_42116095	42	116	95	12	54	60	10
135		135			135				
195		195			195				
D03_40136095	40	D03_42136095	42	136	95	12	54	60	10
135		135			135				
215		215			215				
D03_40156115	40	D03_42156115	42	156	115	12	54	60	10
155		155			155				
215		215			215				
D03_40196155	40	D03_42196155	42	196	155	12	54	60	10
195		195			195				
235		235			235				
D03_40246165	40	D03_42246165	42	246	165	12	54	60	10
245		245			245				



D03
D21



D40

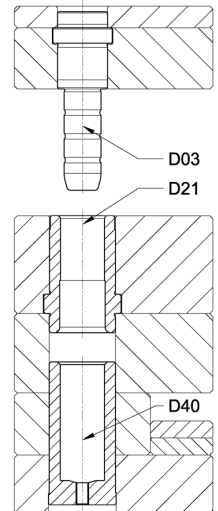
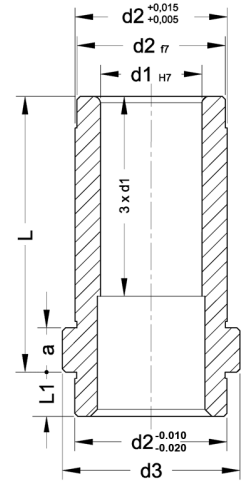
D21

Kuyruklu Burç / Tailed Guide Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sementasyon (Case Hardened)
 ≈DIN 16716 - C



Sipariş Kodu	d1	Sipariş Kodu	d1	L	d2	d3	a	L1
D21_14017	14	D21_15017	15	17	20	25	6	9
022		022		22				
027		027		27				
036		036		36				
046		046		46				
056		056		56				
066		066		66				
076		076		76				
086		086		86				
096		096		96				
116		116		116				
D21_18017	18	D21_20017	20	17	26	31	6	9
022		022		22				
027		027		27				
036		036		36				
046		046		46				
056		056		56				
066		066		66				
076		076		76				
086		086		86				
096		096		96				
106		106		106				
116		116		116				
136		136		136				
D21_22017	22	D21_24017	24	17	30	35	6	9
022		022		22				
027		027		27				
036		036		36				
046		046		46				
056		056		56				
066		066		66				
076		076		76				
086		086		86				
096		096		96				
106		106		106				
116		116		116				
136		136		136				
156		156		156				
D21_30027	30	D21_32027	32	27	42	47	6	9
036		036		36				
046		046		46				
056		056		56				



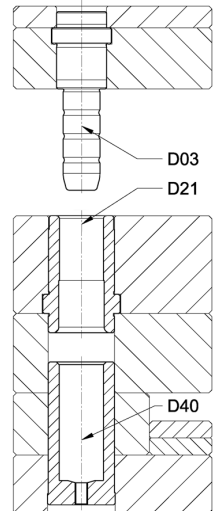
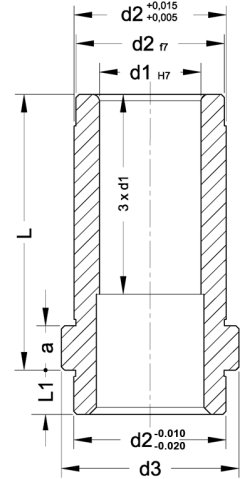
D21

Kuyruklu Burç / Tailed Guide Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)
 ≈DIN 16716 - C



Sipariş Kodu	d1	Sipariş Kodu	d1	L	d2	d3	a	L1
D21_30066	30	D21_32066	32	66	42	47	6	9
076		076		76				
086		086		86				
096		096		96				
106		106		106				
116		116		116				
126		126		126				
136		136		136				
156		156		156				
196		196		196				
D21_40046	40	D21_42046	42	46	54	60	10	12
056		056		56				
066		066		66				
076		076		76				
086		086		86				
096		096		96				
116		116		116				
136		136		136				
156		156		156				
196		196		196				
246		246		246				



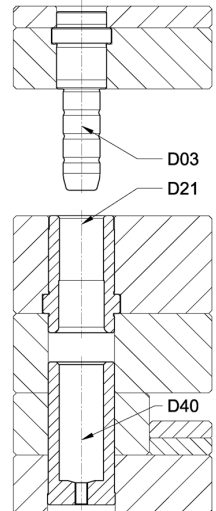
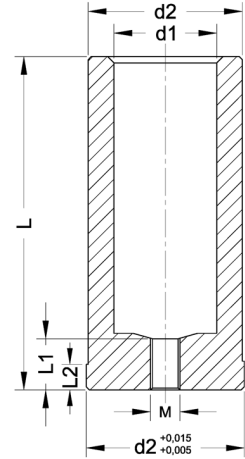
D40

Tespit Burcu / Centring Sleeves

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sementasyon (Case Hardened)
 ≈DIN 16759



Sipariş Kodu	Ø d2	L	d1	M	L1	L2	d2 Tol.
D40_20030	20	30	16	12	10	2	g6
040		40					
060		60					
080		80					
100		100					
120		120					
140		140					
160		160					
D40_26030	26	30	21	12	13	2.5	g6
040		40					
060		60					
080		80					
100		100					
120		120					
140		140					
160		160					
180		180					
D40_30040	30	40	25	12	13	2.5	g6
060		60					
080		80					
100		100					
120		120					
140		140					
160		160					
180		180					
200		200					
240		240					
D40_42040	42	40	33	12	16	4.5	g6
060		60					
080		80					
100		100					
120		120					
140		140					
160		160					
180		180					
200		200					
220		220					
260		260					
300		300					
D40_54060	54	60	43	12	16	4.5	f6
080		80					
120		120					



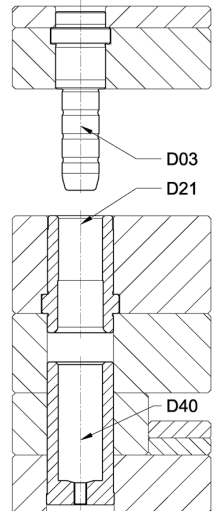
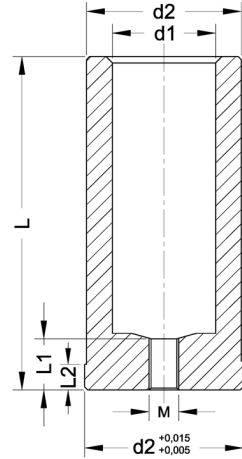
D40

Tespit Burcu / Centring Sleeves

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)
 ≈DIN 16759



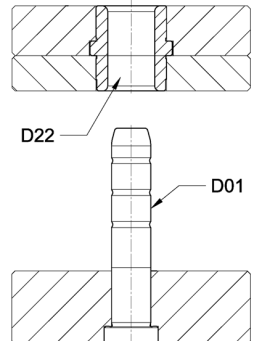
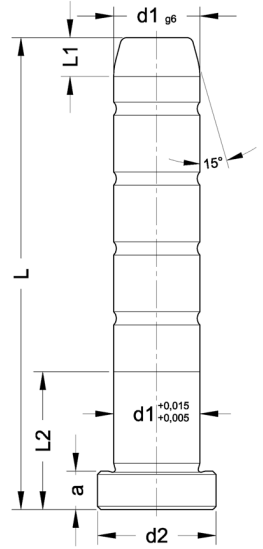
Sipariş Kodu	d2	L	d1	M	L1	L2	d2 Tol.
D40_54160	54	160	43	12	16	4.5	f6
200		200					
240		240					
280		280					



D01

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Ø						
Sipariş Kodu	d1	L	L1	L2	d2	a
D01_10040	10	40	4	17	12	3
060		60		22		
080		80				
100		100				
120		120				
D01_12040	12	40	4	17	16	6
060		60		22		
080		80				
100		100				
120		120				
140		140				
160	160	36				
D01_14060	14	60	7	17	18	8
080		80		22		
100		100				
120		120				
140		140				
160		160				
180		180				
D01_16040	16	40	7	22	20	8
060		60		27		
080		80				
100		100				
120		120				
140		140				
160		160				
180		180				
200		200				
D01_18060	18	60	7	27	22	8
080		80		36		
100		100				
120		120				
140		140				
160		160				
180		180				
200	200	46				
240	240	56				
D01_20060	20	60	7	27	24	8
080		80		36		
100		100				
120		120				
140		140				

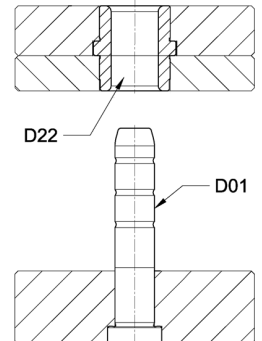
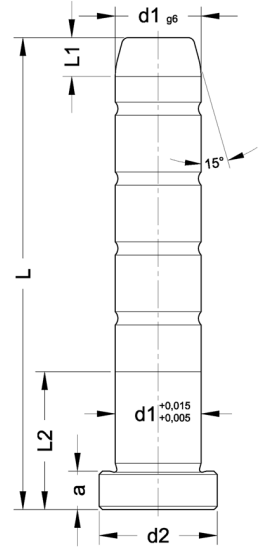
D01

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø	L	L1	L2	d2	a
D01_20160	20	160	7	46	24	8
180		180				
200		200		56		
240		240		76		
D01_22080	22	80	7	36	26	15
100		100				
120		120				
140		140				
160		160		46		
180		180		56		
200		200				
220		220				
240		240		66		
300		300				
D01_24080	24	80	7	36	28	15
100		100				
120		120				
140		140				
160		160		46		
180		180		56		
200		200				
220		220				
240		240		66		
300		300				
D01_25100	25	100	7	35	29	10
120		120				
140		140				
160		160				
180		180				
200		200				
220		220				
250		250				
D01_30100	30	100	7	36	36	15
120		120				
140		140				
160		160		46		
180		180		56		
200		200		66		
220		220				
240		240				
300		300		76		
360		360				



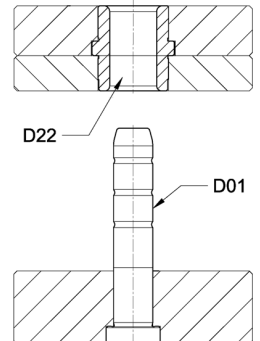
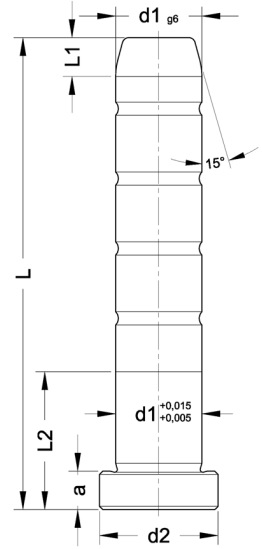
D01

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø	L	L1	L2	d2	a
D01_40160	40	160	10	46	48	15
180		180		56		
200		200		66		
220		220				
240		240				
280		280				
300		300		76		
320		320				
360		360				
D01_50160		50		160		
200	200					
240	240					
300	300		66			
360	360		76			



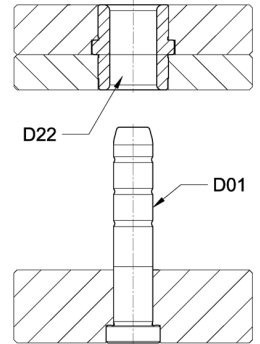
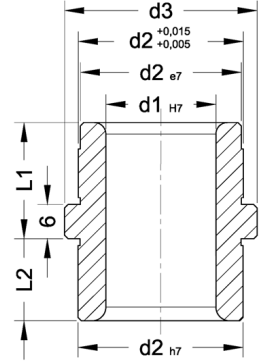
D22

Flanşlı Burç / Middle Flanged Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)



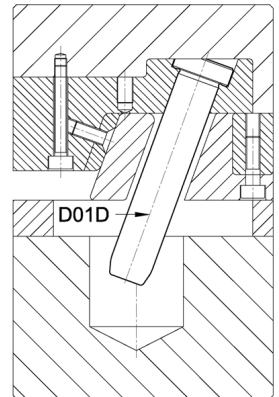
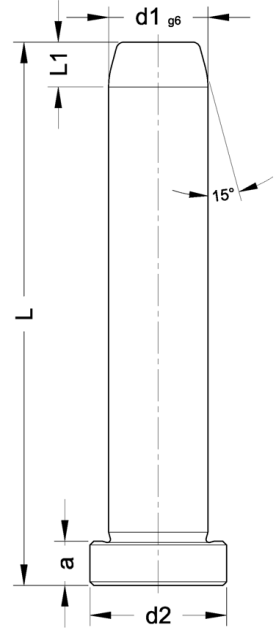
Sipariş Kodu	$d1$	$L1$	$d2$	$d3$	$L2$
D22_1216	12	16	16	19	12
D22_1416	14	16	20	25	12
D22_1616	16	16	24	28	12
D22_1816	18	16	26	31	12
D22_2016	20	16	28	32	12
D22_2421	24	21	34	38	16
D22_2521	25	21	34	38	16
D22_3021	30	21	39	43	16



D01D

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN ISO 8404 - A

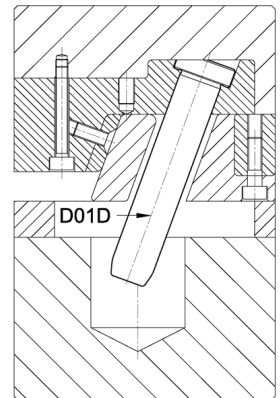
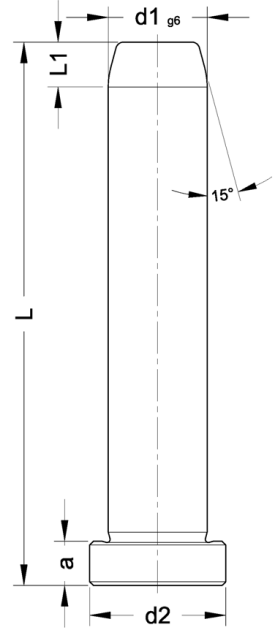


Sipariş Kodu	Ø d1	L	L1	d2	a
D01D_10040	10	40	4	12	3
060		60			
080		80			
100		100			
120		120			
D01D_12040		12			
060	60				
080	80				
100	100				
120	120				
140	140				
160	160				
D01D_14060	14	60	7	18	8
080		80			
100		100			
120		120			
140		140			
160		160			
180		180			
200		200			
D01D_16040	16	40	7	20	8
060		60			
080		80			
100		100			
120		120			
140		140			
160		160			
180		180			
200		200			
D01D_18060		18			
080	80				
100	100				
120	120				
140	140				
160	160				
180	180				
200	200				
D01D_20060	20	60	7	24	8
080		80			
100		100			
120		120			
140		140			
160		160			

D01D

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN ISO 8404 - A



Sipariş Kodu	Ø d1	L	L1	d2	a
D01D_20160	20	160	7	24	8
180		180			
200		200			
240		240			
D01D_22080	22	80	7	26	15
100		100			
120		120			
140		140			
160		160			
180		180			
200		200			
220		220			
240		240			
300		300			
D01D_24080	24	80	7	28	15
100		100			
120		120			
140		140			
160		160			
180		180			
200		200			
220		220			
240		240			
300		300			
D01D_30100	30	100	7	36	15
120		120			
140		140			
160		160			
180		180			
200		200			
220		220			
240		240			
300		300			
360		360			
D01D_40160	40	160	10	48	15
180		180			
200		200			
220		220			
240		240			
280		280			
300		300			
320		320			

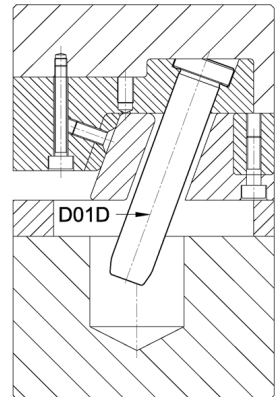
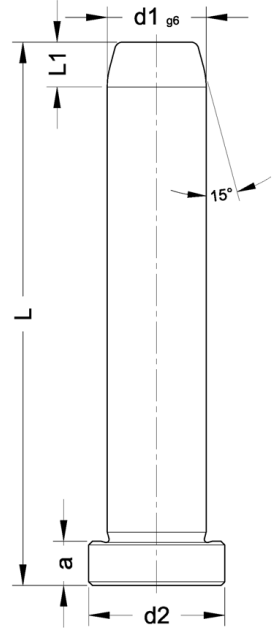
D01D

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN ISO 8404 - A



Sipariş Kodu	Ø	L	L1	d2	a
D01D_40360	40	360	10	48	15
D01D_50160	50	160	10	58	15
200		200			
240		240			
300		300			
360		360			



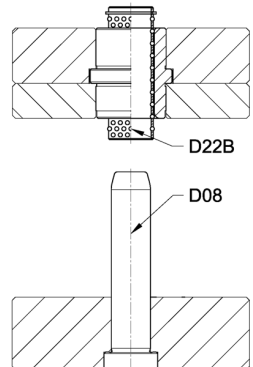
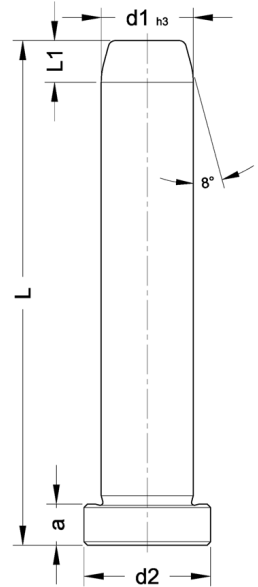
D08

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d1	L	L1	d2	a
D08_12080	12	80	4	16	4
100		100			
120		120			
D08_18120	18	120	7	22	6
140		140			
160		160			
D08_30160	30	160	7	36	6
200		200			
240		240			



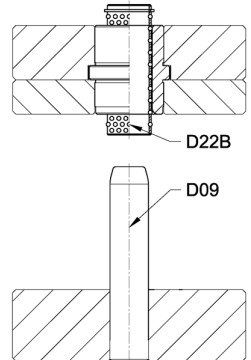
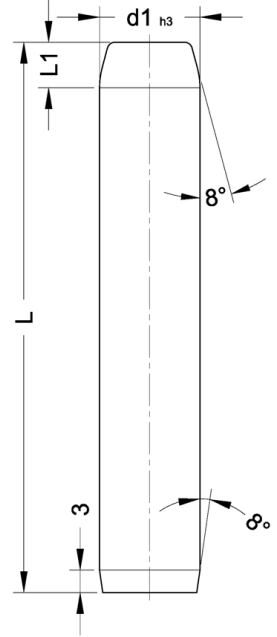
D09

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN 9825 - 2



Sipariş Kodu	\varnothing d1	L	L1
D09_12100	12	100	6
125		125	
D09_18125	18	125	6
160		160	
D09_30160	30	160	7
240		240	



D22B

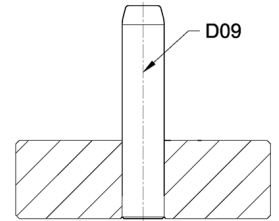
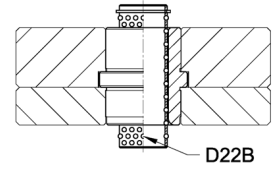
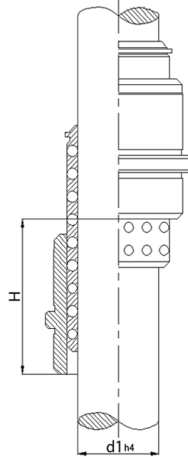
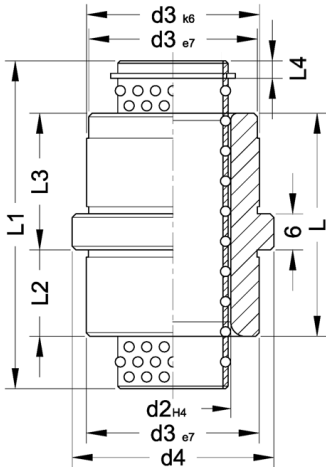
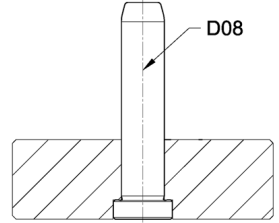
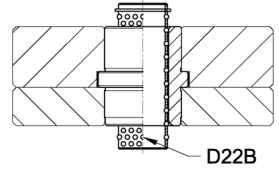
Bilyalı Burç / Guide Bush with Ball Cage

Malzeme - Material : Asil Çelik 1.3505 (100Cr6)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sertleştirme (Hardened)

Malzeme - Material : Ms58
 Bilya Malzemesi - Ball Material : 1.3505 (100Cr6)



Sipariş Kodu	∅	d1	L1	Hmax	L4	L	L2	d2	d3	d4	L3
D22B_1240	12	40	50	2.1	24	6	16	22	26	18	
56		56	82								
D22B_1845	18	45	44	3	34	11	24	30	35	23	
56		56	66								
71		71	96								
D22B_3056	30	56	32	4.8	54	21	38	46	52	33	
75		75	70								
95		95	110								



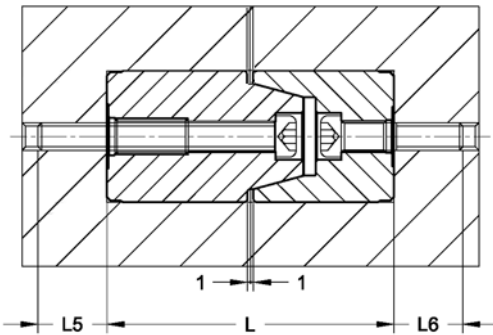
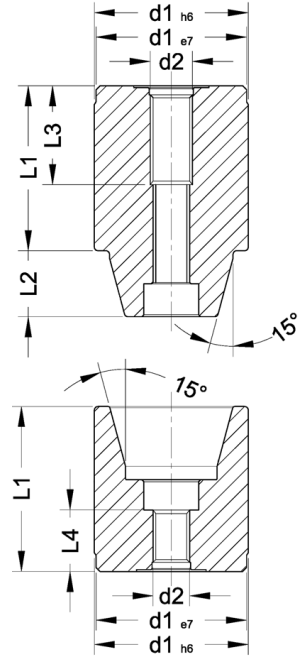
D50

Konik Kilitleme / Locating Unit

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)
 ≈DIN ISO 8406

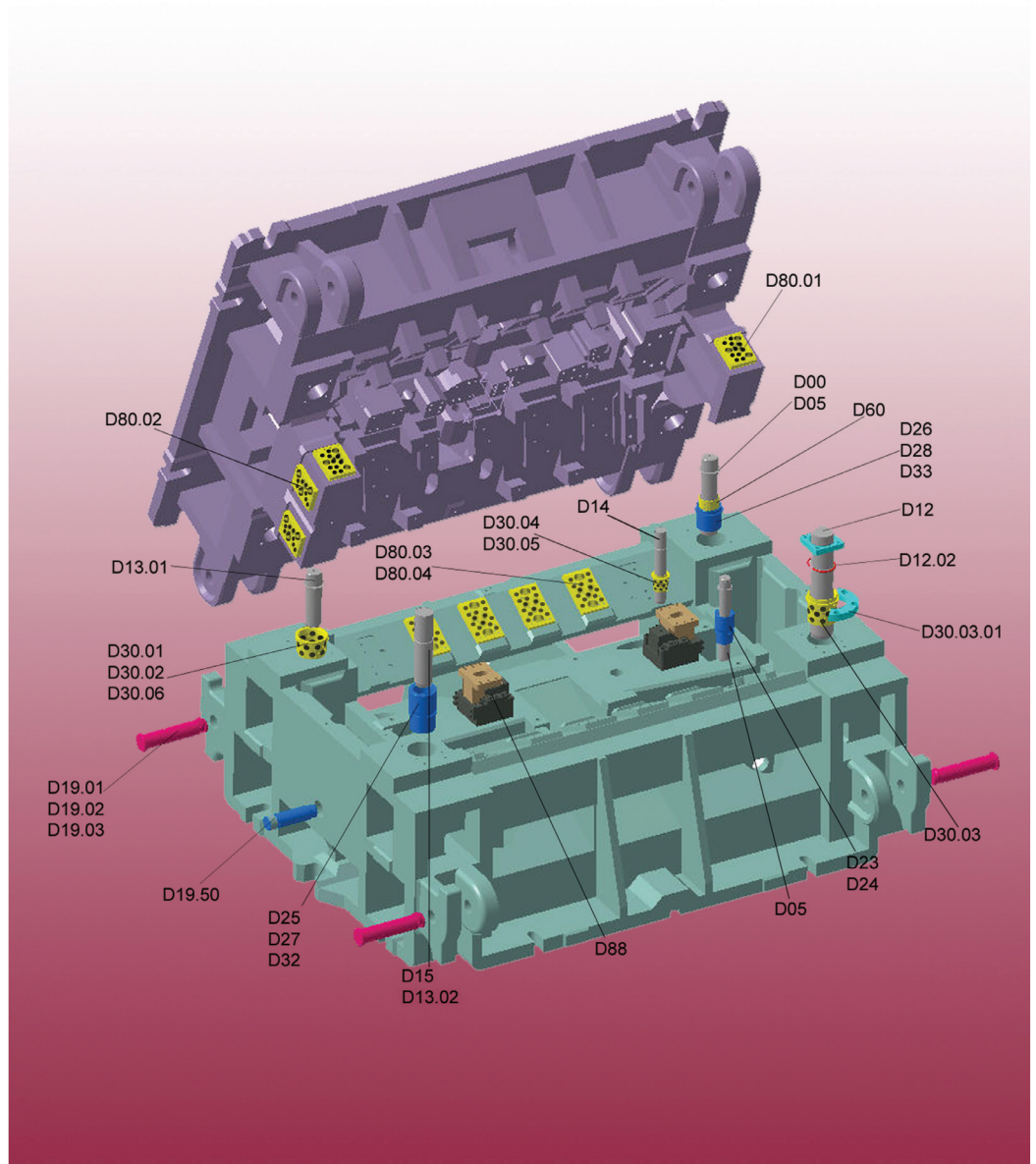


Sipariş Kodu	Ø								
	d1	L	L1	L2	L3	L4	L5	L6	d2
D50_12	12	34	16	4.5	9.6	8.6	8	7.5	M4
D50_14	14	34	16	6	12.4	6	7.5	8	M5
D50_16	16	34	16	6	12.4	5.8	7.5	8	M5
D50_20	20	54	26	9	19.7	10.6	12	9.5	M8
D50_25	25	54	26	10	19.7	9.2	11	11	M8
D50_30	30	72	35	14	25	12.2	15	13	M10
D50_32	32	72	35	14	25	12.2	15	13	M10
D50_42	42	92	45	18	27	16.8	16	13	M10



Sac Kalıbı Ürünleri

Cutting Mould Components



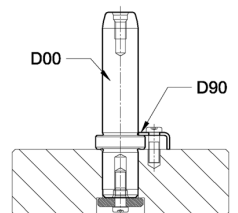
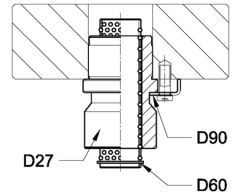
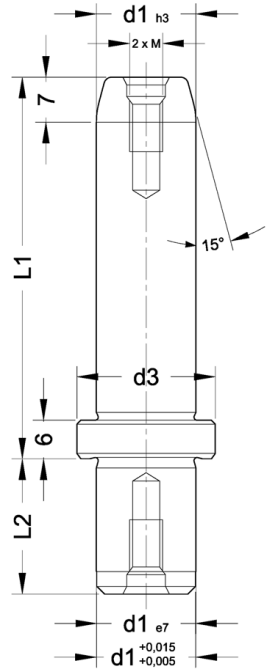
D00

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	d3	M
D00_1510020	15	D00_1610020	16	100	20	22	1x8
11220		11220		112			
12520		12520		125			
14020		14020		140			
16020		16020		160			
18020		18020		180			
20020		20020		200			
D00_1910023	19	D00_2010023	20	100	23	25	8
11223		11223		112			
12523		12523		125			
14023		14023		140			
16023		16023		160			
18023		18023		180			
20023		20023		200			
D00_2410030	24	D00_2510030	25	100	30	32	8
11230		11230		112			
12530		12530		125			
14030		14030		140			
16030		16030		160			
18030		18030		180			
20030		20030		200			
22430		22430		224			
25030		25030		250			
D00_3011237	30	D00_3211237	32	112	37	40	8
12537		12537		125			
14037		14037		140			
16037		16037		160			
18037		18037		180			
20037		20037		200			
22437		22437		224			
25037		25037		250			
28037		28037		280			
31537		31537		315			
D00_3812537	38	D00_4012537	40	125	37	50	8
14037		14037		140			
16037		16037		160			
18037		18037		180			
20037		20037		200			
22437		22437		224			
25037		25037		250			
28037		28037		280			
31537		31537		315			



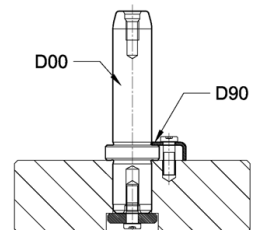
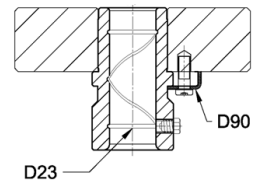
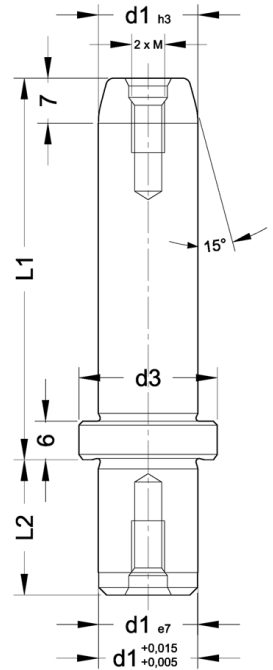
D00

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	d1	Sipariş Kodu	d1	L1	L2	d3	M
D00_3835537	38	D00_4035537	40	355	37	50	8
D00_4814047	48	D00_5014047	50	140	47	63	8
16047		16047		160			
18047		18047		180			
20047		20047		200			
22447		22447		224			
25047		25047		250			
28047		28047		280			
31547		31547		315			
35547		35547		355			
40047		40047		400			
D00_6016047	60	D00_6316047	63	160	47	80	8
18047		18047		180			
20047		20047		200			
22447		22447		224			
25047		25047		250			
28047		28047		280			
31547		31547		315			
35547		35547		355			
40047		40047		400			
		D00_8020060	80	200	60	95	12
		22460		224			
		25060		250			
		28060		280			
		31560		315			
		35560		355			
		40060		400			



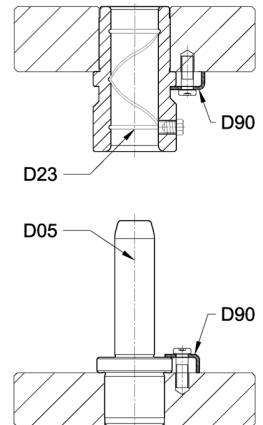
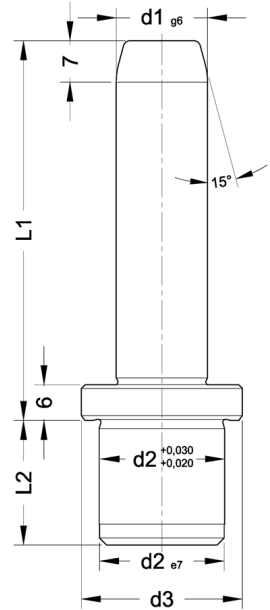
D05

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d1	L1	L2	d2	d3
D05_2010025	20	100	25	28	34
35			35		
D05_2012525		125	25		
35			35		
D05_2014025		140	25		
35			35		
D05_2016025		160	25		
35			35		
D05_2018025	180	25			
35		35			
D05_2510025	25	100	25	34	39
35			35		
D05_2512525		125	25		
35			35		
D05_2514025		140	25		
35			35		
D05_2516025		160	25		
35			35		
D05_2518025	180	25			
35		35			
D05_2520025	200	25			
35		35			
D05_2522025	220	25			
35		35			
D05_2524025	240	25			
35		35			
D05_3012535	30	125	35	39	44
45			45		
D05_3014035		140	35		
45			45		
D05_3016035		160	35		
45			45		
D05_3018035		180	35		
45			45		
D05_3020035	200	35			
45		45			
D05_3022035	220	35			
45		45			
D05_3024035	240	35			
45		45			
D05_3026035	260	35			
45		45			



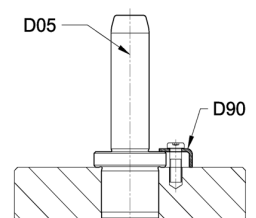
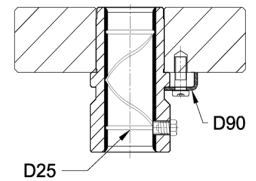
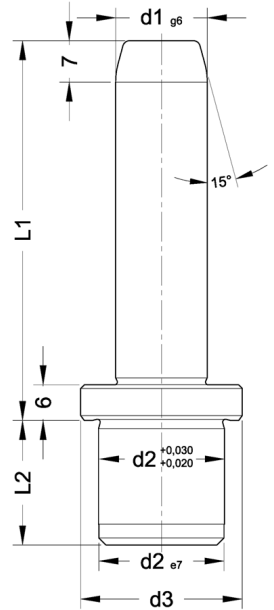
D05

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø	L1	L2	d2	d3
D05_3028035	30	280	35	39	44
45			45		
D05_3031535	30	315	35	39	44
45			45		



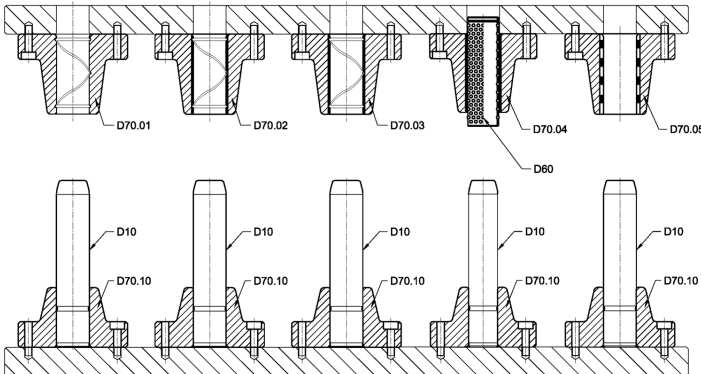
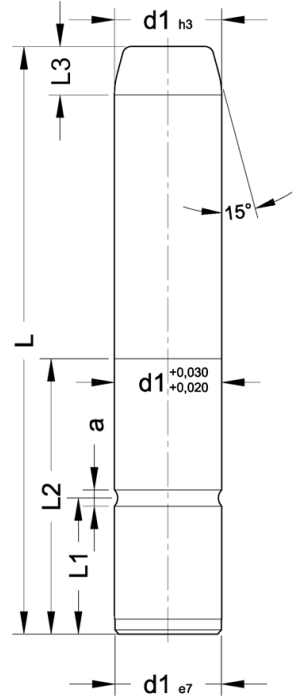
D10

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d1	L	L1	L2	a	L3
D10_40180	40	180	37	77	8	10
220		220				
260		260				
300		300				
355		355				
400		400				
D10_50200	50	200	47	95	8	10
240		240				
280		280				
315		315				
355		355				
400		400				
D10_63240	63	240	60	120	8	10
280		280				
315		315				
355		355				
400		400				
450		450				
D10_80240	80	240	60	120	8	16
280		280				
315		315				
355		355				
400		400				
450		450				
500	500					



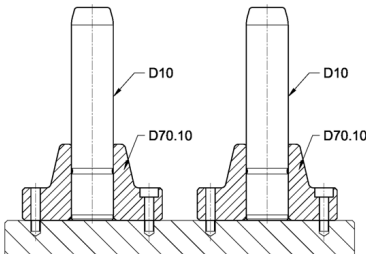
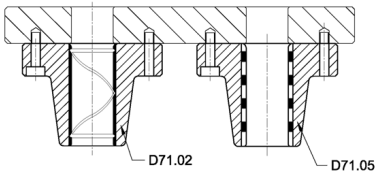
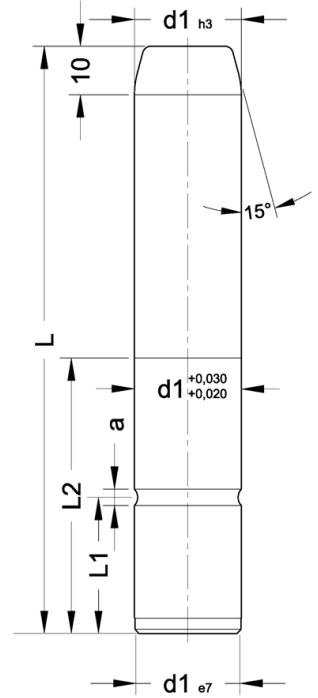
D11

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d1	L	L1	L2	a
D11_40160	40	160	25	50	8
180		180			
200		200			
225		225			
250		250			
280		280			
D11_50160	50	160	35	70	8
180		180			
200		200			
225		225			
250		250			
280		280			
315	315				



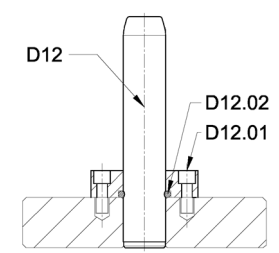
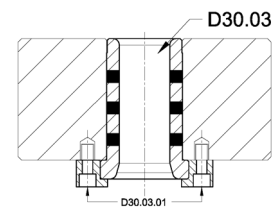
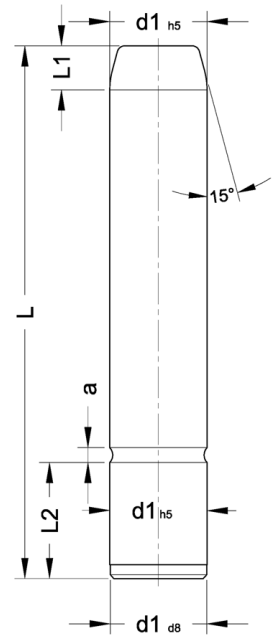
D12

Kolon / Guide Pillar - AFNOR

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : İndüksiyon (Induction)



			Ø				
Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	d1	L	L1	L2	a
D12_025100			25	100	8	25	2.5
125		R100 018 363		125			
140				140			
160				160			
180				180			
200				200			
220				220			
D12_032125			32	125	10	32	4.2
140		P446 116 817		140			
160		P446 116 815		160			
180				180			
200		P446 116 816		200			
220				220			
250				250			
D12_040180	P446 117 470		40	180	12	63	4.2
200	P446 117 401			200			
220	P446 117 476			220			
250				250			
280				280			
315				315			
D12_050200			50	200	16	80	4.2
220	P446 118 170			220			
224		P446 118 100		224			
250	P446 118 174			250			
280	P446 118 101	P446 118 101		280			
315				315			
355				355			
400				400			
D12_063250	P446 118 701	P446 118 701	63	250	16	100	6.2
280		P446 118 707		280			
315	P446 118 702	P446 118 702		315			
355				355			
400				400			
D12_080315	P446 119 200	P446 119 200	80	315	16	125	6.2
355	P446 119 270	P446 119 201		355			
400		R100 221 692		400			
450				450			
D12_100355			100	355	16	160	6.2
400		P446 119 800		400			
450		P446 119 801		450			
500				500			



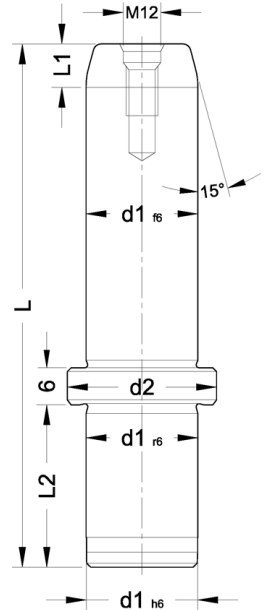
D13.01

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



		Ø				
Sipariş Kodu	FORD CODE WDX1370	d1	L	d2	L2	L1
D13.01_025140	07025140	25	140	33	40	4
160	07025160		160			
180	07025180		180			
D13.01_032140	07032140	32	140	40	45	8
160	07032160		160			
180	07032180		180			
200	07032200		200			
D13.01_040160	07040160	40	160	50	56	8
180	07040180		180			
200	07040200		200			
225	07040225		225			
250	07040250		250			
D13.01_050160	07050160	50	160	60	70	10
180	07050180		180			
200	07050200		200			
225	07050225		225			
250	07050250		250			
280	07050280		280			
315	07050315		315			
D13.01_063200	07063200	63	200	80	80	10
225	07063225		225			
250	07063250		250			
280	07063280		280			
315	07063315		315			
355	07063355		355			
D13.01_080250	07080250	80	250	90	100	16
280	07080280		280			
315	07080315		315			
355	07080355		355			
400	07080400		400			
D13.01_100315	07100315	100	315	110	125	16
355	07100355		355			
400	07100400		400			
500	07100500		500			



1xM12 Dış Sadece Ø80 ve Ø100
 1xM12 Guide Post only Ø80 and Ø100

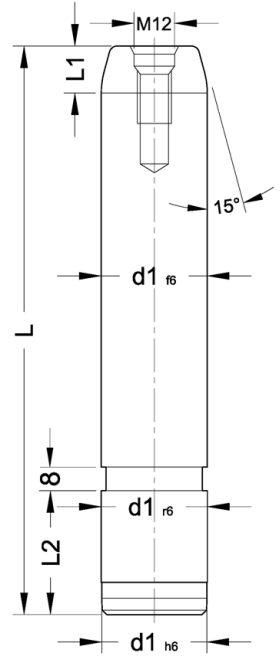
D13.02

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN 9833 / ISO 9182-3



		Ø			
Sipariş Kodu	FORD CODE WDX1370	d1	L	L2	L1
D13.02_025140	08025140	25	140	40	4
160	08025160		160		
180	08025180		180		
D13.02_032140	08032140	32	140	45	8
160	08032160		160		
180	08032180		180		
200	08032200		200		
D13.02_040160	08040160	40	160	56	8
180	08040180		180		
200	08040200		200		
225	08040225		225		
250	08040250		250		
D13.02_050160	08050160	50	160	70	10
180	08050180		180		
200	08050200		200		
225	08050225		225		
250	08050250		250		
280	08050280		280		
315	08050315		315		
D13.02_063200	08063200	63	200	80	10
225	08063225		225		
250	08063250		250		
280	08063280		280		
315	08063315		315		
355	08063355		355		
400	08063400		400		
D13.02_080250	08080250	80	250	100	16
280	08080280		280		
315	08080315		315		
355	08080355		355		
D13.02_100315	08100315	100	315	125	16
355	08100355		355		
400	08100400		400		
500	08100500		500		



1xM12 Dış Sadece Ø80 ve Ø100
 1xM12 Guide Post only Ø80 and Ø100

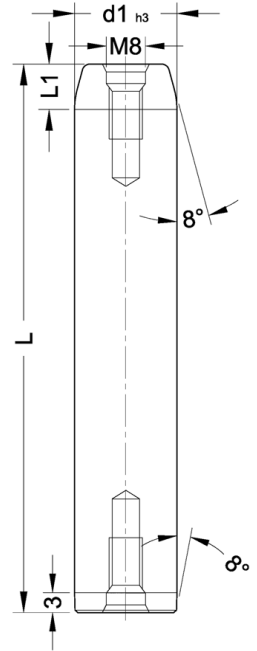
D14

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 9825 / ≈ISO 9182-2



Sipariş Kodu	d1	Sipariş Kodu	d1	L	L1
D14_15090	15	D14_16090	16	90	4
100		100		100	
112		112		112	
125		125		125	
140		140		140	
160		160		160	
180		180		180	
200		200		200	
224		224		224	
D14_19100	19	D14_20100	20	100	4
112		112		112	
125		125		125	
140		140		140	
160		160		160	
180		180		180	
200		200		200	
224		224		224	
250		250		250	
D14_24100	24	D14_25100	25	100	6
112		112		112	
125		125		125	
140		140		140	
160		160		160	
180		180		180	
200		200		200	
224		224		224	
250		250		250	
280		280		280	
D14_30125	30	D14_32125	32	125	6
140		140		140	
160		160		160	
180		180		180	
200		200		200	
224		224		224	
250		250		250	
280		280		280	
315		315		315	
D14_38160	38	D14_40160	40	160	6
180		180		180	
200		200		200	
224		224		224	
250		250		250	



Not: Bu ürünler stok tutulmamaktadır. Fiyat ve termin için bayimiz ile irtibata geçiniz.

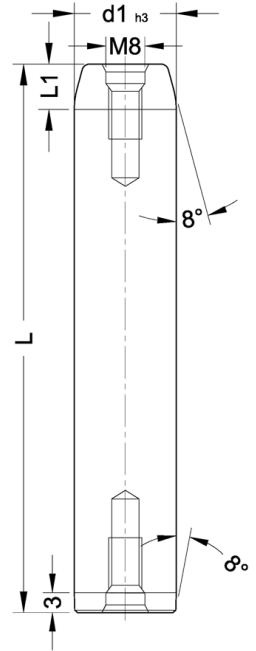
D14

Kolon / Guide Pillar

Malzeme - Material : Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 ≈DIN 9825 / ≈ISO 9182-2



Sipariş Kodu	d1	Sipariş Kodu	d1	L	L1
D14_38280	38	D14_40280	40	280	6
315		315		315	
355		355		355	
400		400		400	
D14_48180	48	D14_50180	50	180	8
200		200		200	
224		224		224	
250		250		250	
280		280		280	
315		315		315	
355		355		355	
400		400		400	
450		450		450	
D14_60250	60	D14_63250	63	250	8
280		280		280	
315		315		315	
355		355		355	
400		400		400	
450		450		450	
500		500		500	
		D14_80280	80	280	8
		315		315	
		355		355	
		400		400	
		450		450	
		500		500	



Not: Bu ürünler stok tutulmamaktadır. Fiyat ve termin için bayimiz ile irtibata geçiniz.

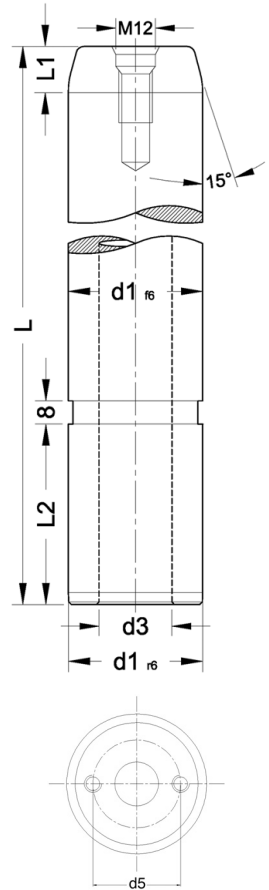
D15

Kolon / Guide Pillar

Malzeme - Material : Çelik (Steel)
 Sertlik - Hardness : 60 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN 9833 / ISO 9182-3



Sipariş Kodu	Ø	L	d3	d5	L1	L2
D15_025125	25	125			8	40
140		140				
160		160				
180		180				
200		200				
224		224				
D15_032125	32	125			8	45
140		140				
160		160				
180		180				
200		200				
224		224				
250		250				
D15_040140	40	140			8	56
160		160				
180		180				
200		200				
224		224				
250		250				
280		280				
D15_050160	50	160			10	70
180		180				
200		200				
224		224				
250		250				
280		280				
315		315				
355		355				
D15_063180	63	180			10	80
200		200				
224		224				
250		250				
280		280				
315		315				
355		355				
400		400				



Ød1=80'e Kadar Merkez Deliksiz

Ød1=80 Merkezde 1xM12 Diş

Ød1=100'den Sonra Merkez Deliği ve 2xM12 Diş

Up to Ød1=80 without central hole

By Ød1=80 1 lifting thread M12

From Ød1=100 with central hole (through) and with 2 lifting thread M12

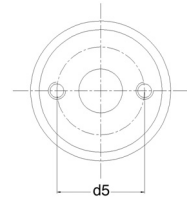
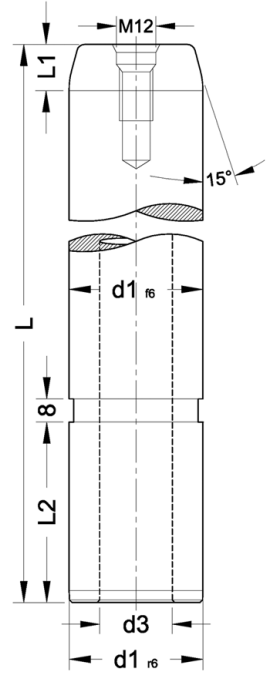
D15

Kolon / Guide Pillar

Malzeme - Material : Çelik (Steel)
 Sertlik - Hardness : 60± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)
 DIN 9833 / ISO 9182-3



		Ø							
Sipariş Kodu	PSA Mabec Code	d1	L	d3	d5	L1	L2		
D15_080224		80	224			10	100		
250	250								
280	280								
315	315								
355	355								
400	400								
450	450								
500	500								
D15_100250			100	250	50			72	10
280	280								
315	315								
355	Z000499647	355							
400	400								
450	450								
D15_125315		125	315	65	90	12	140		
355	355								
400	Z000499648		400						
450	450								
500	500								
D15_160400		160	400	95	132	12	180		
450	450								
500	500								
560	560								



**Ø 100 dahil üzeri ürünler stok tutulmamaktadır.
 Fiyat ve termin için bayimiz ile irtibata geçiniz.**

**Ød1=80'e Kadar Merkez Deliksiz
 Ød1=80 Merkezde 1xM12 Diş
 Ød1=100'den Sonra Merkez Deliği ve
 2xM12 Diş**

Up to Ød1=80 without central hole
 By Ød1=80 1 lifting thread M12
 From Ød1=100 with central hole (through) and
 with 2 lifting thread M12

D23

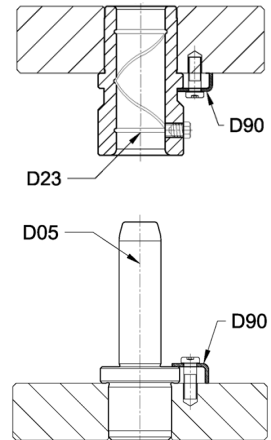
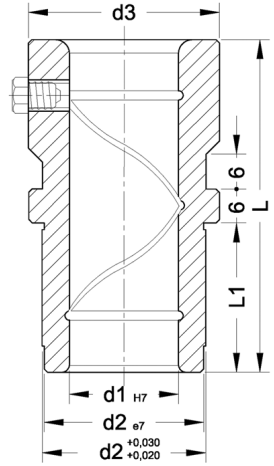
Burç / Guide Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : Sementasyon (Case Hardened)



Sipariş Kodu	d1	L	L1	d2	d3
D23_1605923	16	59	23	30	32
D23_2007026	20	70	26	28	34
36			36		
D23_2508026	25	80	26	34	39
36			36		
D23_3009036	30	90	36	39	44
46			46		
D23_4010036	40	100	36	50	54
10836			36		
10046			46		
D23_5012046	50	120	46	60	64
56			56		
12756			56		
D23_6313056	63	130	56	80	87
15056			56		
D23_8015060	80	150	60	105	115

new



D24

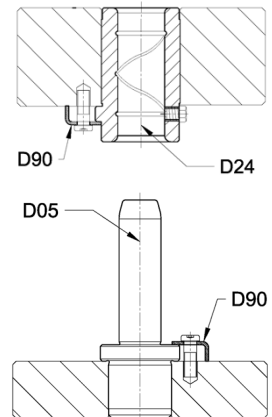
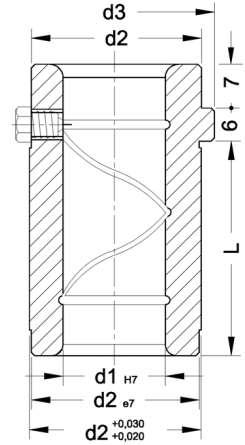
Burç / Guide Bush

Malzeme - Material : Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sementasyon (Case Hardened)



new

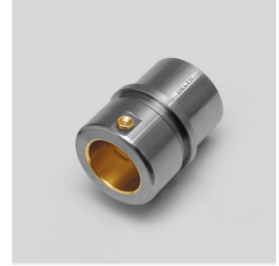
Sipariş Kodu	d1	d2	L	d3
D24_1603023	16	30	35	34
D24_2002826	20	28	26	
D24_2503426	25	34	26	39
D24_3003926	30	39	26	44
			36	
D24_4005036	40	50	36	54
			46	
05846		58		65
D24_5006046	50	60	46	64
07046		70		75
D24_6308546	63	85	46	95
			56	
D24_8010560	80	105	60	115



D25

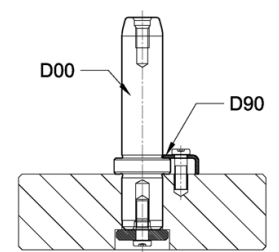
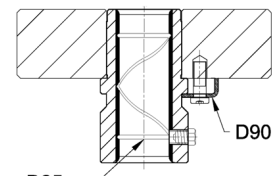
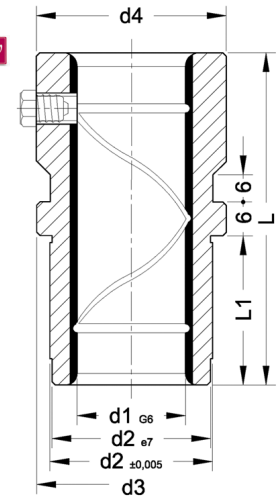
Bronzlu Burç / Guide Bush with Bronze

Malzeme - Material : Çelik + Bronz
ISO - 9448



Sipariş Kodu	Ø d1	L	L1	d2	d3	d4
D25_1605923	16	59		30	34	32
D25_1904323	19	43	23	32	40	39
05923		59				
05933			33			
D25_2004323	20	43	23	32	40	39
05923		59				
05933			33			
D25_2405923	24	59	23	40	48	46
07923		79				
07933			33			
D25_2505923	25	59	23	40	48	46
07923		79				
07933			33			
D25_3007530	30	75	30	48	55	53
09330		93				
09340			40			
D25_3207530	32	75	30	48	55	53
09330		93				
09340			40			
D25_3808237	38	82	37	58	65	63
10837		108				
10847			47			
D25_4008237	40	82	37	58	65	63
10837		108				
10847			47			
D25_4809747	48	97	47	70	80	77
12747		127				
12757			57			
D25_5009747	50	97	47	70	80	77
12747		127				
12757			57			
D25_6011660	60	11	60	85	95	92
15060		150				
D25_6311660	63	11	60	85	95	92
15060		150				
D25_8012060	80	120	60	105	11	115
15060		150				

new



D26

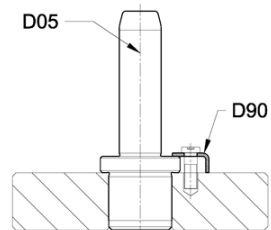
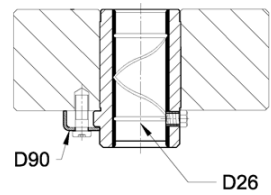
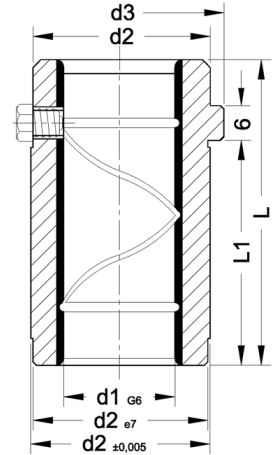
Bronzlu Burç / Guide Bush with Bronze

Malzeme - Material : Çelik + Bronz
ISO - 9448



new

Sipariş Kodu	Ø	L	L1	d2	d3
D26_163523	16	35	23	30	34
D26_193523	19	45	33	32	40
4533					
D26_203523	20	35	23	32	40
4533		45	33		
D26_243523	24	35	23	40	48
4533		45	33		
D26_253523	25	35	23	40	48
4533		45	33		
D26_304230	30	42	30	48	55
5240		52	40		
D26_324230	32	42	30	48	55
5240		52	40		
D26_385237	38	52	37	58	65
6247		62	47		
D26_405237	40	52	37	58	65
6247		62	47		
D26_486547	48	65	47	70	80
7557		75	57		
D26_506547	50	65	47	70	80
7557		75	57		
D26_608060	60	80	60	85	95
D26_638060	63	80	60	85	95
D26_808060	80	80	60	105	118



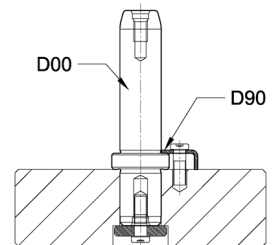
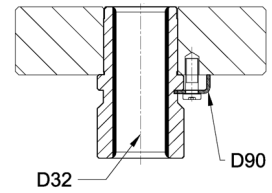
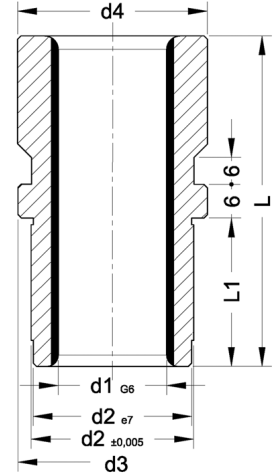
D32

Sinterli Burç / Guide Bush with Sintered

Malzeme - Material : 1.1191 (Ck45) + Sinter
 Sertlik - Hardness : 52 ± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	d1	L	L1	d2	d3	d4
D32_2007026	20	70	26	32	40	38
36			36			
D32_2508026	25	80	26	40	47	45
36			36			
D32_3009036	30	90	36	48	54	52
46			46			
D32_4010036	40	100	36	58	64	62
46			46			
D32_5012046	50	120	46	70	78	76
56			56			
D32_6315056	63	150	56	85	93	91
D32_8015060	80	150	60	105	118	115



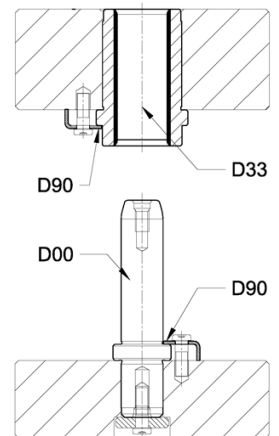
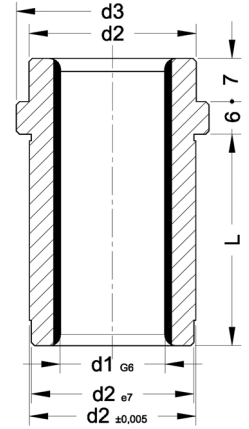
D33

Sinterli Burç / Guide Bush with Sintered

Malzeme - Material : 1.1191 (Ck45) + Sinter
 Sertlik - Hardness : 52 ± 2 HRC
 Isıl İşlem - Heat Treatment : Indüksiyon (Induction)



Sipariş Kodu	d1	d2	L	d3
D33_2003226	20	32	26	40
36			36	
D33_2504026	25	40	26	47
36			36	
D33_3004826	30	48	26	54
36			36	
D33_4005836	40	58	36	64
46			46	
D33_5007046	50	70	46	78
D33_6308556	63	85	56	93
D33_8010560	80	105	60	118



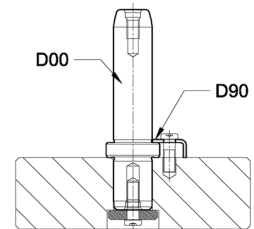
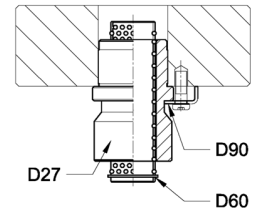
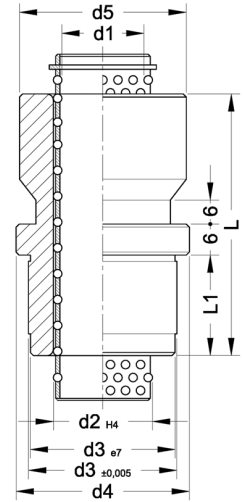
D27

Burç / Ball Bearing Guide Bush

Malzeme - Material : Asil Çelik 1.3505 (100Cr6)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment : Sertleştirme (Hardened)
 DIN 9831
 ISO 9448 - 7



Sipariş Kodu	Ø						
Sipariş Kodu	d1	L	L1	d2	d3	d4	d5
D27_1504323	15	43	23	21	30	34	32
05923		59					
05933			33				
D27_1604323	16	43	23	22	30	34	32
05923		59					
05933			33				
D27_1904323	19	43	23	25	32	40	39
05923		59					
05933			33				
D27_2004323	20	43	23	26	32	40	39
05923		59					
05933			33				
D27_2405923	24	59	23	30	40	48	46
07923		79					
07933			33				
D27_2505923	25	59	23	31	40	48	46
07923		79					
07933			33				
D27_3007530	30	75	30	38	48	55	53
09330		93					
09340			40				
D27_3207530	32	75	30	40	48	55	53
09330		93					
09340			40				
D27_3808237	38	82	37	46	58	65	63
10837		108					
10847			47				
D27_4008237	40	82	37	48	58	65	63
10837		108					
10847			47				
D27_4809747	48	97	47	56	70	80	77
12747		127					
12757			57				
D27_5009747	50	97	47	58	70	80	77
12747		127					
12757			57				
D27_6011660	60	116	60	68	85	95	92
15060		150					
D27_6311660	63	116	60	71	85	95	92
15060		150					



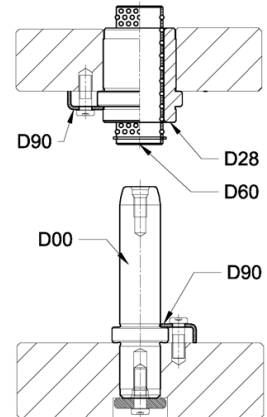
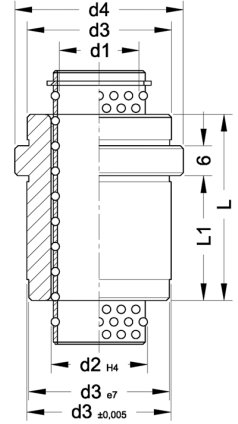
D28

Burç / Ball Bearing Guide Bush

Malzeme - Material : Asil Çelik 1.3505 (100Cr6)
 Sertlik - Hardness : 62 ± 2 HRC
 Isıl İşlem - Heat Treatment : Sertleştirme (Hardened)
 DIN 9831
 ISO 9448 - 7



Sipariş Kodu	Ø					
Sipariş Kodu	d1	L	L1	d2	d3	d4
D28_153523	15	35	23	21	30	34
4533		45	33			
D28_163523	16	35	23	22	30	34
4533		45	33			
D28_193523	19	35	23	25	32	40
4533		45	33			
D28_203523	20	35	23	26	32	40
4533		45	33			
D28_243523	24	35	23	30	40	48
4533		45	33			
D28_253523	25	35	23	31	40	48
4533		45	33			
D28_304230	30	42	30	38	48	55
5240		52	40			
D28_324230	32	42	30	40	48	55
5240		52	40			
D28_385237	38	52	37	46	58	65
6247		62	47			
D28_405237	40	52	37	48	58	65
6247		62	47			
D28_486547	48	65	47	56	70	80
7557		75	57			
D28_506547	50	65	47	58	70	80
7557		75	57			
D28_608060	60	80	60	68	85	95
D28_638060	63	80	60	71	85	95



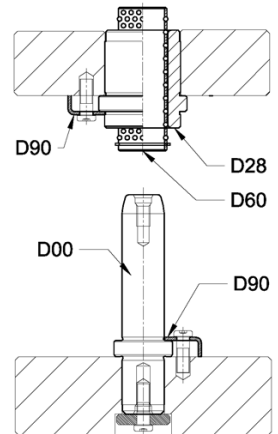
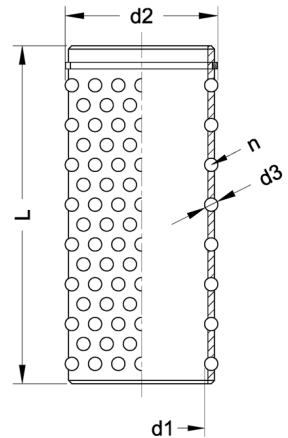
D60

Bilyalı Kafes / Ball Cage

Malzeme - Material : Ms58
 Bilya Malzemesi - Ball Material : 100Cr6 (1.3505)
 DIN 471
 DIN 5401



	Ø				
Sipariş Kodu	d1	L	d2	d3	n
D60_12040	12	40	16	2	176
056		56			272
D60_15045	15	45	21	3	140
056		56			196
071		71			238
D60_16045	16	45	22	3	140
056		56			196
071		71			238
D60_18045	18	45	24	3	176
056		56			240
071		71			272
D60_19045	19	45	25	3	180
056		56			234
071		71			306
080		80			342
095		95			414
D60_20045	20	45	26	3	180
056		56			234
071		71			306
080		80			342
095		95			414
D60_24045	24	45	30	3	180
056		56			240
071		71			280
080		80			320
095		95			440
105		105			480
120		120			560
D60_25045	25	45	31	3	180
056		56			240
071		71			280
080		80			320
095		95			440
105		105			480
120		120			560
D60_30045	30	45	38	4	140
056		56			180
075		75			240
080		80			280
095		95			340
105		105			380
120		120			420
140		140			500



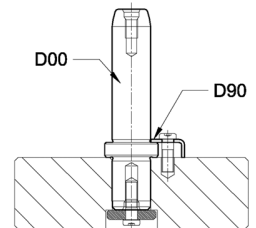
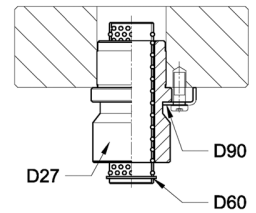
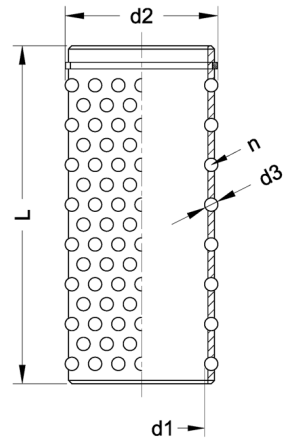
D60

Bilyalı Kafes / Ball Cage

Malzeme - Material : Ms58
 Bilya Malzemesi - Ball Material : 100Cr6 (1.3505)
 DIN 471
 DIN 5401



Sipariş Kodu	Ø d1	L	d2	d3	n			
D60_32045	32	45	40	4	140			
056		56			180			
075		75			240			
080		80			280			
095		95			340			
105		105			380			
120		120			420			
140		140			500			
D60_38056		38			56	46	4	216
071	71		288					
080	80		336					
095	95		408					
105	105		456					
120	120		528					
140	140		624					
160	160		720					
D60_40056	40		56	48	4			216
071		71	288					
080		80	336					
095		95	408					
105		105	456					
120		120	528					
140		140	624					
160		160	720					
D60_48071		48	71			56	4	360
080	80		390					
095	95		480					
105	105		540					
120	120		600					
140	140		720					
160	160		840					
D60_50071	50		71	58	4			360
080			80					390
095		95	480					
105		105	540					
120		120	600					
140		140	720					
160		160	840					
D60_60085	60	85	68	4	504			
95		95			558			
105		105			612			
120		120			720			
140		140			828			



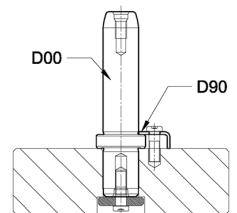
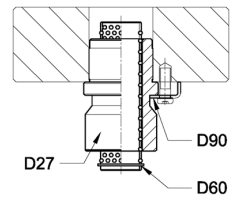
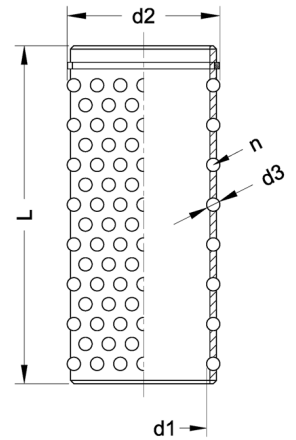
D60

Bilyalı Kafes / Ball Cage

Malzeme - Material : Ms58
 Bilya Malzemesi - Ball Material : 100Cr6 (1.3505)
 DIN 471
 DIN 5401



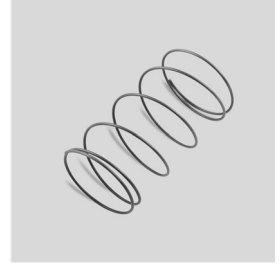
Sipariş Kodu	d1	L	d2	d3	n
D60_60160	60	160	68	4	972
D60_63085	63	85	71	4	504
95		95			558
105		105			612
120		120			720
140		140			828
160		160			972



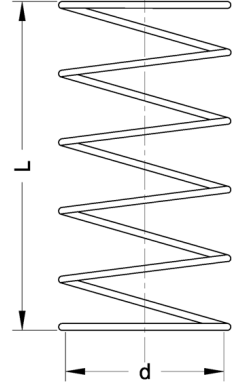
D60.01

Bilyalı Kafes Tutucusu / Helical Spring for Ball Cage Retention

Malzeme - Material : Yay Çeliği - Spring Steel



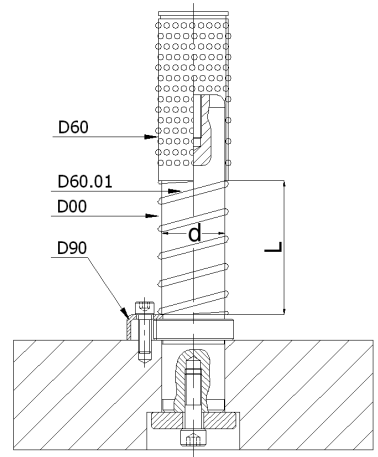
d	L	Not / Note
19	040-140	L 10 mm. aralıklarla
20	040-140	
24	040-180	
25	040-180	
30	050-230	
32	050-230	L 10 mm. gradation
38	060-230	
40	060-230	
48	070-280	
50	070-280	
60	080-250	
63	080-250	

**Sipariş Kodu Örneği**

Spiral Yay = D60.01_
 Ø Kolon = 19
 Yay Boy = 040
 Sipariş Kodu = D60.01_19040

Order Code Example

Helical Spring = D60.01_
 Ø Pillar = 19
 Spring Length = 040
 Order Code = D60.01_19040



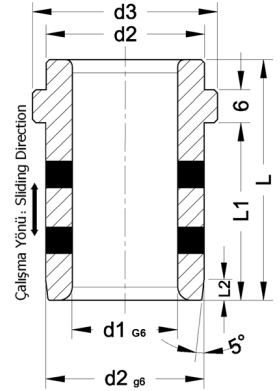
D30.01

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
 Sertlik - Hardness : HB≥180
 ≈DIN 9832

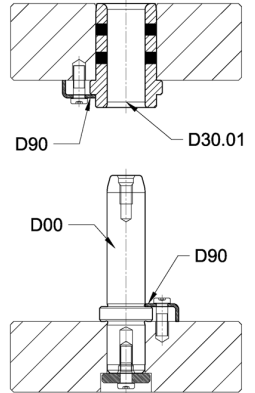


Sipariş Kodu	FORD WDX1370	NAAMS G61	OPEL U2802-99(A)	Ø					
				d1	L	d2	d3	L1	L2
D30.01_020040				20	40	28	34	30	4
025040	11025	2540	F33020019	25	40	32	40	30	4
030050				30	50	40	50	40	4
032050	11032	3250	F33020020	32	50	40	50	40	4
040063	11040	4063	F33020021	40	63	50	63	50	5
050071	11050	5071	F33020022	50	71	63	71	56	6
063080	11063	6300	F33020023	63	80	80	90	63	8
080100	11080	8010	F33020024	80	100	100	112	80	10
100125	1110	1012	F33020025	100	125	125	140	106	12
125160	1112	1216	F33020026	125	160	160	180	132	12



Not:
 Toleranssız ölçüler EN-22768 -1 standardına göre üretilir.
 Belirtilmeyen köşeler R=0,5

Note:
 All dimensions without tolerances as per EN 22768-1
 Corners indications R=0,5



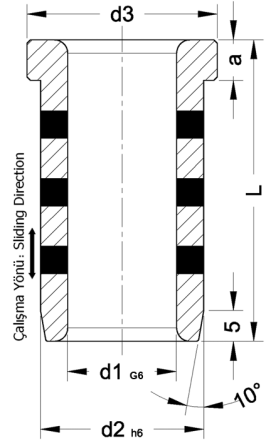
D30.02

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180

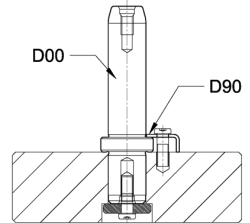
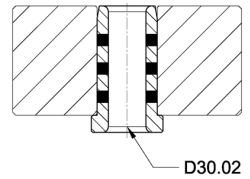


			Ø				
Sipariş Kodu	FORD WDX1370	FORD WSA 003	d1	L	d2	d3	a
D30.02_020035	05020	11020	20	35	28	36	8
025040			25	40	32	40	8
030055			30	55	40	50	8
032055	05032		32	55	40	50	8
040070	05040		40	70	50	60	8
042070	05042	11042	42	70	50	60	8
050075	05050		50	75	63	75	12
052075	05052	11052	52	75	63	75	12
063080	05063		63	80	80	90	12
080100	05080		80	100	100	110	12
100125	05100		100	125	125	135	12



Not:
Toleranssız ölçüler EN-22768 -1 standardına göre üretilir.
Belirtilmeyen köşeler R=0,5

Note:
All dimensions without tolerances as per EN 22768-1
Corners indications R=0,5



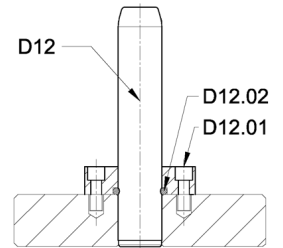
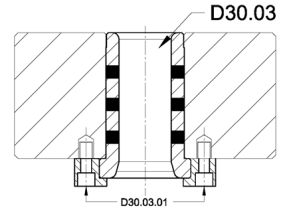
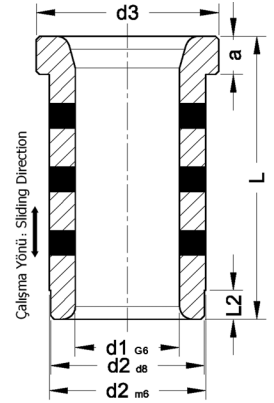
D30.03

Grafitli Burç / Oilless Guide Bush - AFNOR

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB \geq 180



Sipariş Kodu	PSA MABEC CODE	RENAULT MABEC CODE	Ø		d2	d3	a	L2
			d1	L				
D30.03_025040			25	40	35	40	5	5
032050			32	50	44	50	6	5
040063	X345 274 670	M764 539 401	40	63	52	60	8	8
050080	X345 281 970	M764 544 501	50	80	63	71	10	8
063100	X345 287 270	M764 549 501	63	100	80	90	12	10
080125	X345 292 370	M764 554 601	80	125	100	112	16	10
100160		X345 298 500	100	160	125	140	20	10



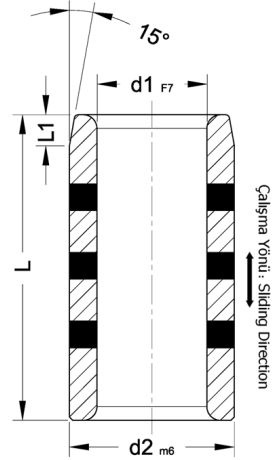
D30.04

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	Ø d1	L	d2	L1
D30.04_20015028	20	15	28	4
016028		16	28	
016030		16	30	
020028		20	28	
020030		20	30	
025028		25	28	
025030		25	30	
030028		30	28	
030030		30	30	
035028		35	28	
035030		35	30	
037028		37	28	
040026		40	26	
040028		40	28	
040030		40	30	
050028		50	28	
D30.04_25016033	25	16	33	4
016035		16	35	
020033		20	33	
020035		20	35	
025033		25	33	
025035		25	35	
030033		30	33	
030035		30	35	
035033		35	33	
035035		35	35	
040033		40	33	
040035		40	35	
047033		47	33	
050032		50	32	
050033		50	33	
050035		50	35	
060033	60	33		
D30.04_30020038	30	20	38	4
020040		20	40	
025038		25	38	
025040		25	40	
030038		30	38	
030040		30	40	
035038		35	38	
035040		35	40	
040038	40	38		



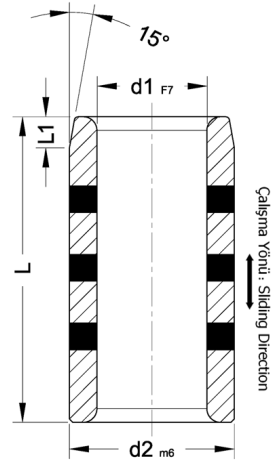
D30.04

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	Ø d1	L	d2	L1
D30.04_30040040	30	40	40	4
050038		50	38	
050040		50	40	
060038		60	38	
060040		60	40	
060042		60	42	
D30.04_35020045	35	20	45	4
025044		25	44	
025045		25	45	
030044		30	44	
030045		30	45	
035044		35	44	
035045		35	45	
040044		40	44	
040045		40	45	
050044		50	44	
050045		50	45	
060044		60	44	
060045		60	45	
D30.04_40020050		40	20	
025050	25		50	
025055	25		55	
030050	30		50	
030055	30		55	
035050	35		50	
035055	35		55	
040050	40		50	
040055	40		55	
050050	50		50	
050055	50		55	
060050	60		50	
060055	60		55	
070050	70		50	
077050	77		50	
080050	80		50	
D30.04_50030060	50	30	60	4
030062		30	62	
030065		30	65	
035060		35	60	
035062		35	62	
040060		40	60	
040062	40	62		



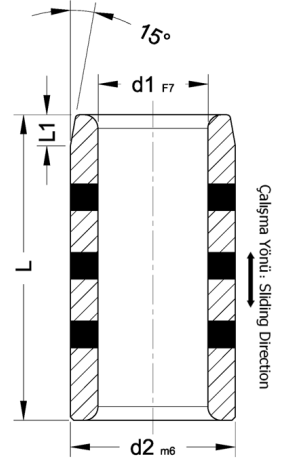
D30.04

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	Ø d1	L	d2	L1
D30.04_50040065	50	40	65	4
050060		50	60	
050062		50	62	
050065		50	65	
060060		60	60	
060062		60	62	
060065		60	65	
070060		70	60	
070062		70	62	
070065		70	65	
080060		80	60	
080065		80	65	
095060		95	60	
100065		100	65	
D30.04_63030074	63	30	74	4
030075		30	75	
035074		35	74	
035075		35	75	
040074		40	74	
040075		40	75	
050074		50	74	
050075		50	75	
060074		60	74	
060075		60	75	
070074		70	74	
070075		70	75	
080074		80	74	
080075		80	75	
100075	100	75		



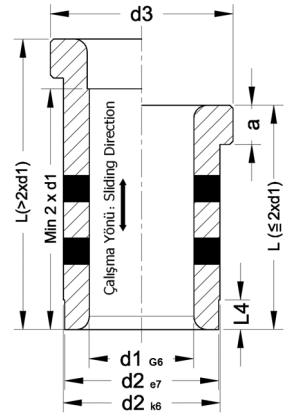
D30.05

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	d1	L	d2	d3	a	L4
D30.05_20017	20	17	26	31	6	2
022		22				
027		27				
036		36				
046		46				
056		56				
066		66				
076		76				
D30.05_25046	25	46	32	38	6	3
056		56				
066		66				
076		76				
086		86				
D30.05_30027	30	27	42	47	6	4
036		36				
046		46				
056		56				
066		66				
076		76				
086		86				
096		96				
116		116				
D30.05_40046	40	46	54	60	10	5
056		56				
066		66				
076		76				
086		86				
096		96				
116		116				
136		136				
156		156				
D30.05_50076	50	76	66	72	10	5
086		86				
096		96				
116		116				
136		136				
156		156				
196		196				



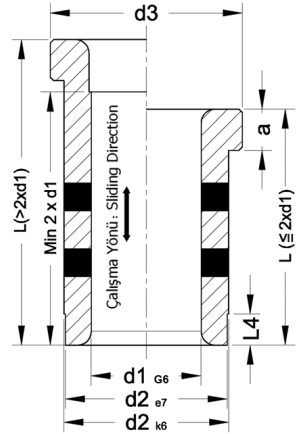
D30.05

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	d1	L	d2	d3	a	L4
D30.05_60096	60	96	80	86	20	5
116		116				
136		136				
156		156				
196		196				
D30.05_63096	63	96	80	86	20	5
116		116				
136		136				
156		156				
196		196				



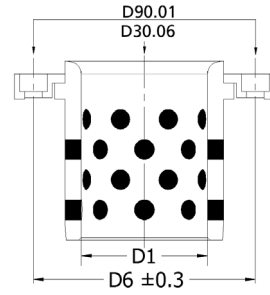
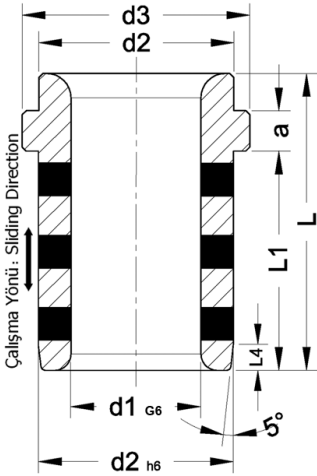
D30.06

Grafitli Burç / Oilless Guide Bush

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	BMW CODE B2 2933 1	PSA MABEC CODE	Ø d1	L	d2	d3	D6	L1	a	L4
D30.06_025040	2168699		25	40	32	40	58	30	6.3	3
032050	2168700		32	50	40	50	66	40	6.3	4
040063	2168701		40	63	50	63	79	50	6.3	5
050071	2168702		50	71	63	71	89	56	6.3	6.3
063080	2168703		63	80	80	90	123	63	10	8
080100	2168704		80	100	100	112	143	80	10	10
100125	2168705	Z000499644	100	125	125	140	168	106	10	12.5
125160	2168706	Z000499646	125	160	160	180	203	132	10	16
160200	2168707		160	200	200	220	243	170	10	16

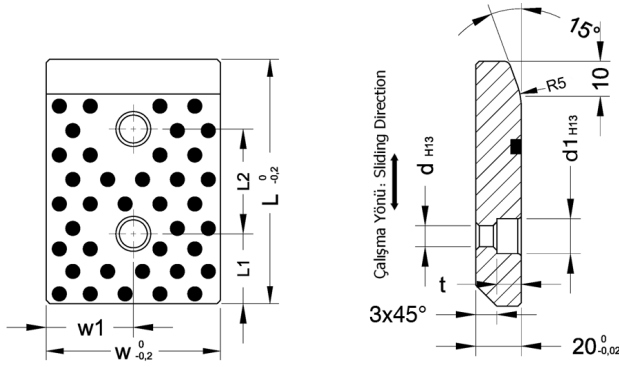


D80.01

Grafitli Sürtünme Plakası
Wear Plate With Graphite Insert
Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180
ISO 9183-1



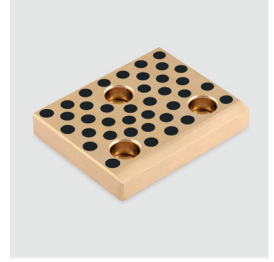
Sipariş Kodu	VW/AUDI 39D863	FORD WDX 13-70	OPEL 3425	W	L	w1	L1	L2	d1	d	t		
D80.01_050080	12			50	80	25	25	30	15	9	9		
100	13	02050100-Y	F33 04 0000		100			50				13.5	13
125	14		F33 04 0001		125			75					
160	15	02050160-Y	F33 04 0002		160			110					
200	16	02050200-Y	F33 04 0003		200			150					
D80.01_080080	22			80	80	40	25	30	20	13.5	13		
100	23	02080100-Y	F33 04 0004		100			50					
125	24		F33 04 0005		125			75					
160	25	02080160-Y	F33 04 0006		160			110					
200	26	02080200-Y	F33 04 0007		200			150					
250		02080250-Y			250		170	40					
315		02080315-Y			315		235						
D80.01_100100	33	02100100-Y	F33 04 0010	100	100	50	25	50	20	13.5	13		
125	34	02100125-Y	F33 04 0011		125			75					
160	35	02100160-Y	F33 04 0012		160			110					
200	36	02100200-Y	F33 04 0013		200			150					
250		02100250-Y			250			170				40	
315		02100315-Y			315		235						



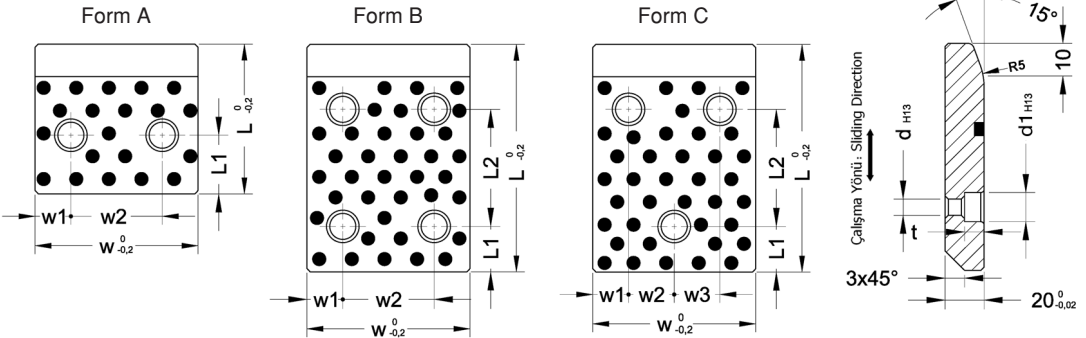
D80.02

Grafitli Sürtünme Plakası
Wear Plate With Graphite Insert

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	VW/AUDI 39D863	FORD WDX	OPEL 3425	W	L	w1	w2	w3	L1	L2	d1	d	t	Form
D80.02_080050	21			80	50	25	30		25		15	9	9	A
D80.02_100050	31	1370 02100050-Y	F33 04 0008	100	50	25	50		25		20	13.5	13	A
080	32		F33 04 0009	100	80				40					
D80.02_125050	41			125	50	25	75		25		20	13.5	13	A
080	42		F33 04 0014	125	80				40					
100	43	1370 02125100-Y	F33 04 0015	125	100		37.5	37.5	25	50				C
125	44		F33 04 0016	125	125					75				
160	45	1370 02125160-Y	F33 04 0017	125	160					110				
200	46	1370 02125200-Y		125	200					150				
250		1370 02125250-Y		125	250				40	170				
315		1370 02125315-Y		125	315					235				
D80.02_160050	51			160	50	25	110		25		20	13.5	13	A
080	52			160	80				40					
100	53	1370 02160100-Y	F33 04 0018	160	100		55	55	25	50				C
125	54		F33 04 0019	160	125					75				
160	55	1370 02160160-Y	F33 04 0020	160	160					110				
200	56	1370 02160200-Y		160	200					150				
250		1370 02160250-Y		160	250		110		40	170				B
315		1370 02160315-Y		160	315					235				
250.01		1365 01160250-Y		160	250		55	55		170				C
315.01		1365 01160315-Y		160	315					235				



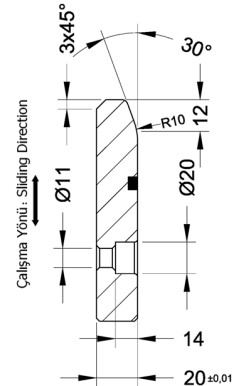
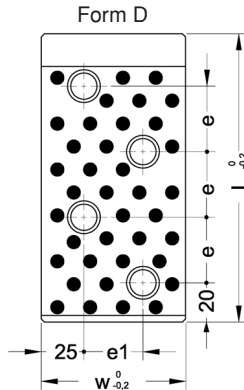
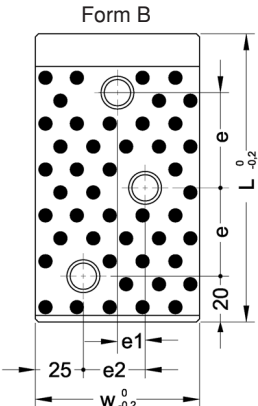
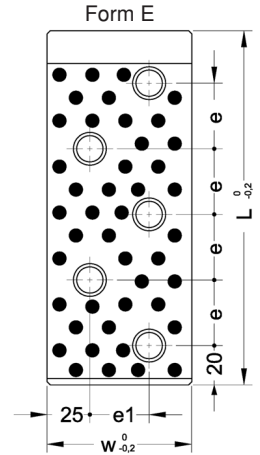
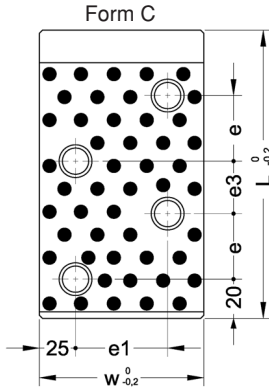
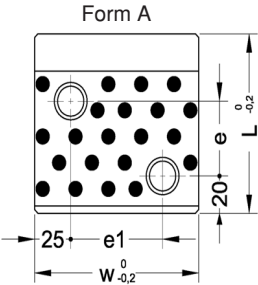
D80.03

Grafitli Sürtünme Plakası
Wear Plate With Graphite Insert

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180
ISO 9183-2



Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	W	L	e	e1	e2	e3	Form	
D80.03_070100	Z000 166 214	R100 092 843	70	100	50	20			A	
150	Z000 166 216	R100 092 844		150		10	20		B	
200	Z000 166 221	R100 092 845		200		20				D
D80.03_100150	Z000 166 217	R100 092 883	100	150	25	50		50	C	
200	Z000 166 222	R100 092 884		200		50				D
250	Z000 166 225	R100 092 885		250		50				E
D80.03_150200	Z000 166 223	R100 092 890	150	200	50	100			D	
250	Z000 166 226	R100 092 893		250		100				E



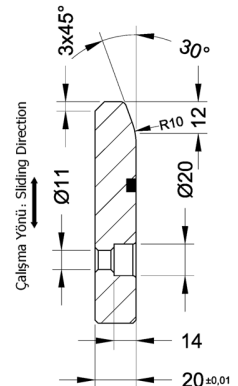
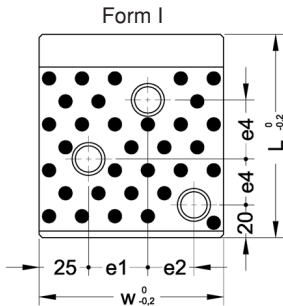
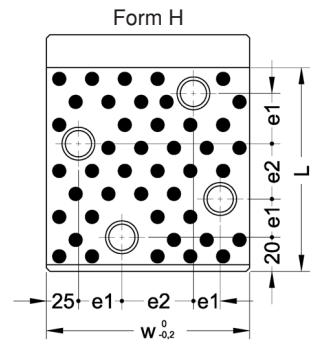
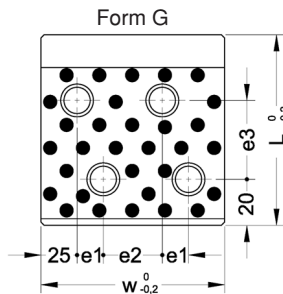
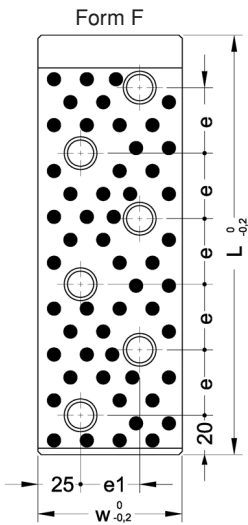
D80.03

Grafitli Sürtünme Plakası
Wear Plate With Graphite Insert

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180
ISO 9183-2



Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	W	L	e	e1	e2	e3	e4	Form
D80.03_100100	Z000 166 215	R100 092 846	100	100		30	20		25	I
300	Z000 166 227	R100 092 886		300	50	50				F
D80.03_150100	Z000 166 218	R100 092 887	150	100		25	50	50		G
150	Z000 166 219	R100 092 888		150		25	50			H
300	Z000 166 228	R100 092 894		300	50	100				F
D80.03_200100	Z000 166 224	R100 092 895	200	100		50	50	50		G



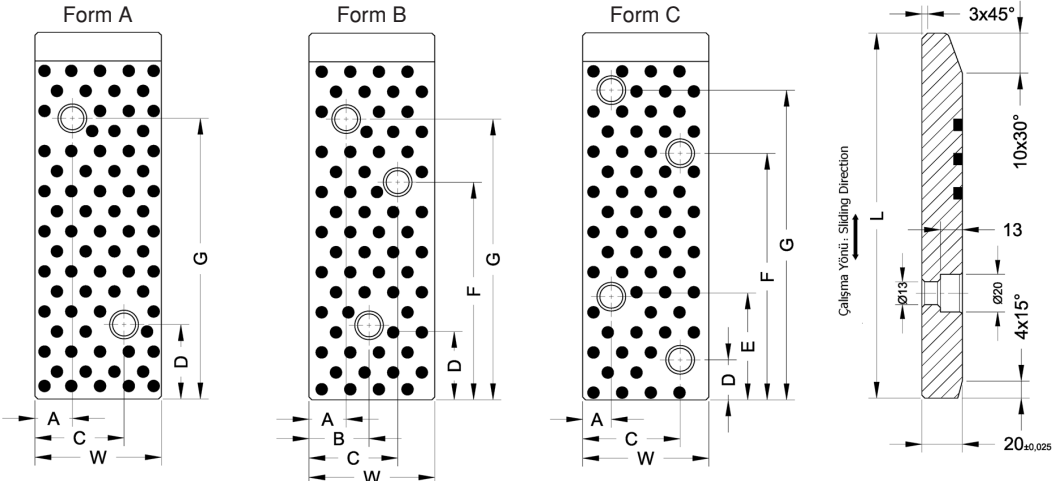
D80.04

Grafitli Sürtünme Plakası
Wear Plate With Graphite Insert

Malzeme - Material : SAE 430B
Sertlik - Hardness : HB≥180



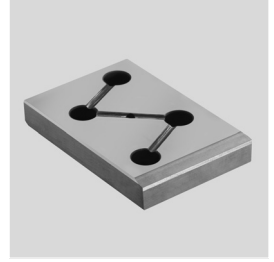
Sipariş Kodu	FORD CODE WDX1362	W	L	A	B	C	D	E	F	G	Form	
D80.04_050100	02050100-Y	50	100	25		25	30			60	A	
150	02050150-Y		150				30			110	A	
200	02050200-Y		200				40			160	A	
D80.04_080100	02080100-Y	80	100	20		60	30			60	A	
150	02080150-Y		150				30			110	A	
200	02080200-Y		200				40			160	A	
250	02080250-Y		250				40			210	A	
315	02080315-Y		315				40			250	275	B
							40			250	275	B
D80.04_100100	02100100-Y	100	100	22		78	30			60	A	
150	02100150-Y		150				30			110	A	
200	02100200-Y		200				40			135	160	B
250	02100250-Y		250				40			185	210	B
315	02100315-Y		315				40			250	275	B
D80.04_125100	02125100-Y	125	100	25		100	30			60	A	
150	02125150-Y		150				30			110	A	
200	02125200-Y		200				40			135	160	B
250	02125250-Y		250				40			185	210	B
315	02125315-Y		315				40			250	275	C
D80.04_160100	02160100-Y	160	100	30		130	30			60	A	
150	02160150-Y		150				30			110	A	
200	02160200-Y		200				40			135	160	B
250	02160250-Y		250				40			185	210	C
315	02160315-Y		315				40			250	275	C



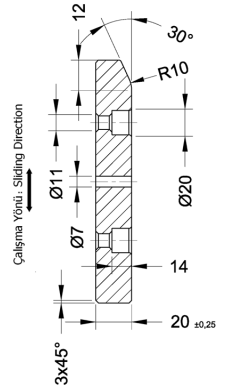
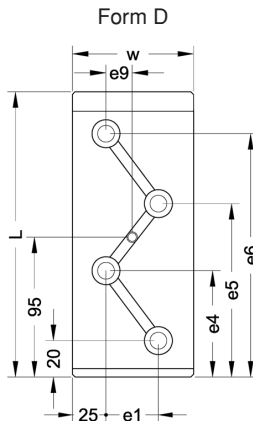
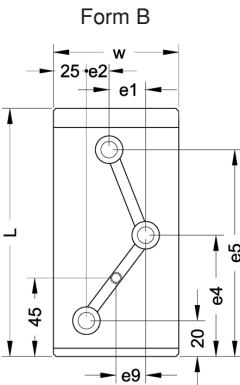
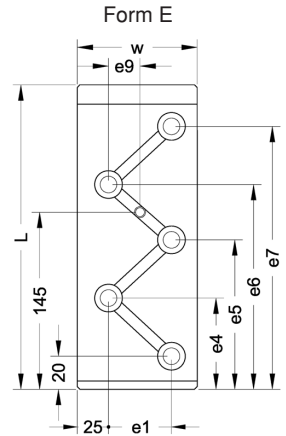
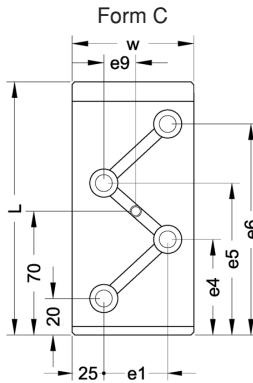
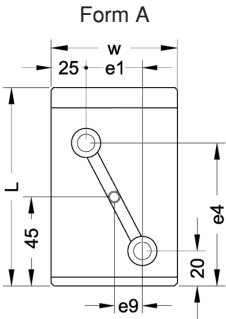
D80.15

Çelik Sürtünme Plakası
Sliding Pads
CNOMO

Malzeme - Material : Çelik (Steel)
Sertlik - Hardness : 62± 2 HRC



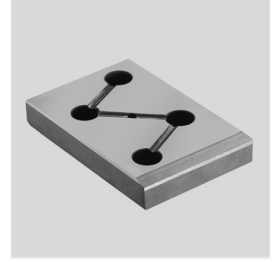
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D80.15_070100	Z000166213	P446625854	70	100	20			70					10	A
150	P446626558	P446626558		150	10	10			120				10	B
200	P446627059	P446627059		200	20					170			10	D
D80.15_100150	P446626559	P446626559	100	150	50			45	95	120			25	C
200	P446627060	P446627060		200				70	120	170			25	D
250	P446627454	P446627454		250							220		25	E
D80.15_150200	P446627061	P446627061	150	200	100			70	120	170			50	D
250	P446627455	P446627455		250	100						220		50	E



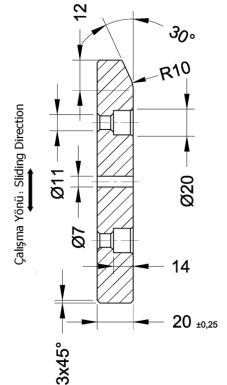
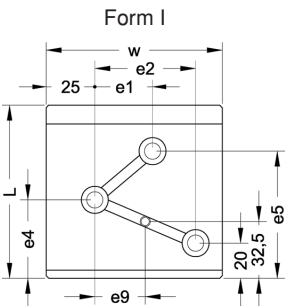
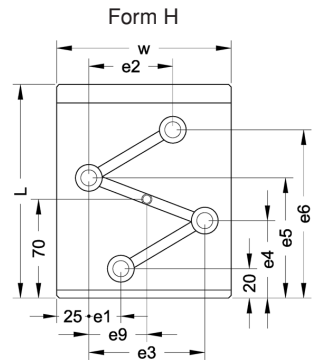
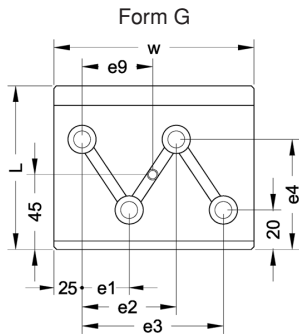
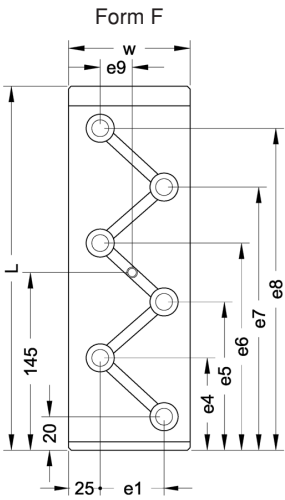
D80.15

Çelik Sürtünme Plakası
Sliding Pads
CNOMO

Malzeme - Material : Çelik (Steel)
Sertlik - Hardness : 62±2 HRC



Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	W	L	e1	e2	e3	e4	e5	e6	e7	e8	e9	Form
D80.15_100100	P446625855	P446625855	100	100	30	50		45	70				25	I
300	P446627754	P446627754		300	50			70	120	170	220	270	25	F
D80.15_150100	P446626560	P446626560	150	100	25	75	100	70					50	G
150	P446626561	P446626561		150				45	95	120			50	H
300	P446627755	P446627755		300	100			70	120	170	220	270	50	F
D80.15_200100	Z000166220	P446627062	200	100	50	100	150	70					75	G



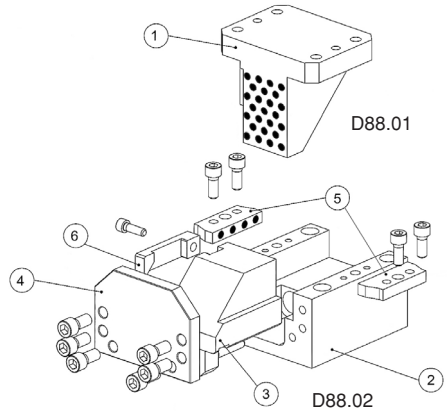
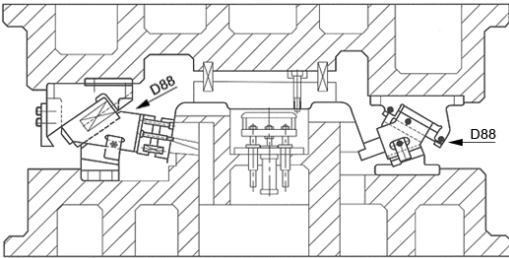
D88

Düz Kam
Horizontal Cam Slide Unit

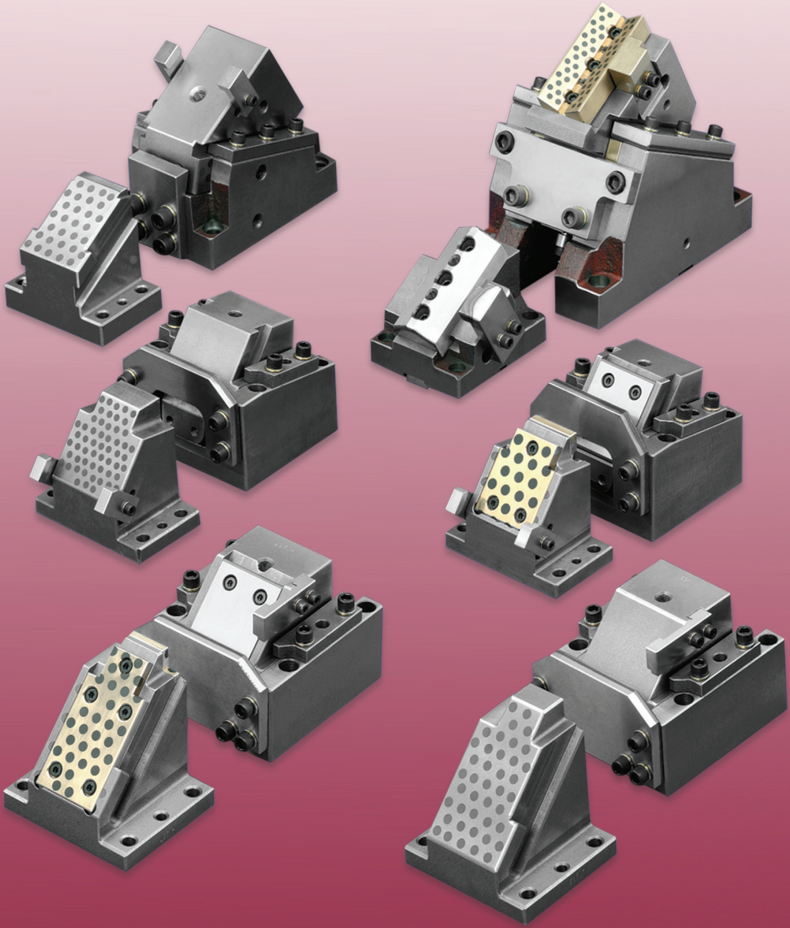


No	Parça Adı / Description	Ad. Qty	Malzeme / Material	Not / Note
1	Üst Gövde / Upper Body	1	SO#50F	Grafittli Yüzey / Surface with Graphite
2	Alt Gövde / Lower Body	1	SO#50F	
3	Sürtücü / Driver	1	SO#50F	
4	Arka Kapak / Stoper Plate	1	Çelik / Steel 55-60 HRC	
5	Üst Yan Kapak / Upper Plate	2	Çelik / Steel	Grafittli Yüzey / Surface with Graphite
6	Yan Klavuz Kol / Return Follower	1	Çelik / Steel 55-60 HRC	

Sipariş Kodu	Yay Ölçüleri Spring Size		İlk Durum Initial		Final		Zimba Alanı Space for Punch B x H (mm)	Maksimum Çalışma Gücü Max. Working Force (kN)	Kurs Stroke (mm)	Ağırlık Weight (Kg)
	Ø Yay O.D. (mm)	Serbest Boy Free Length (mm)	Uzunluk Length (mm)	Yükleme Load (N)	Uzunluk Length (mm)	Yükleme Load (N)				
D88_05225	20	70	62	150	37	600	52x65	10	25	8
D88_05240	20	100	92	100	52	610	52x65	10	40	8
D88_05260	20	150	137	110	77	620	52x65	10	60	11
D88_06540	22	100	92	130	52	770	65x70	18	40	15
D88_06560	22	150	137	130	77	770	65x70	18	60	19
D88_10040	27	100	92	190	52	1150	100x100	30	40	32
D88_10060	27	150	137	210	77	1170	100x100	30	60	33
D88_10080	30	200	188	173	108	1325	100x100	30	80	38
D88_15040	35	100	92	320	52	1880	150x100	60	40	53
D88_15060	35	150	137	340	77	1900	150x100	60	60	57
D88_20040	35	100	92	470	52	2820	200x110	80	40	71
D88_20060	35	150	137	510	77	2850	200x110	80	60	76
D88_25040	40	100	92	620	52	3690	250x130	100	40	97
D88_25060	40	150	137	660	77	3720	250x130	100	60	105
D88_30040	40	100	92	620	52	3690	300x130	130	40	113
D88_30060	40	150	137	660	77	3720	300x130	130	60	120
D88_40060	60	150	148	156	88	4760	400x150	140	60	202
D88_50060	60	150	148	310	88	9520	500x150	140	60	236
D88_60060	60	150	148	310	88	9520	600x150	140	60	269



Uçan ve Açılı Kamlar

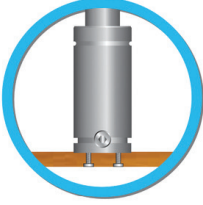


Uçan ve Açılı Kamlar için bayilerimizden teklif isteyiniz...

Dikkat / Attention



Gaz dolumunda sadece nitrojen (N₂) kullanınız
When gas charging the cylinder, only use nitrogen (N₂)



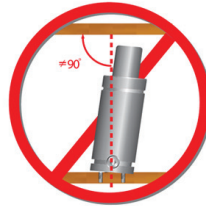
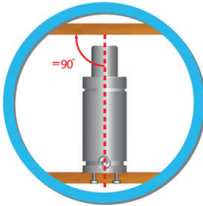
Gazlı yayı civata veya bağlama pabucuyla monte ediniz
Install the gas spring with the bolt or the flange under the bottom part



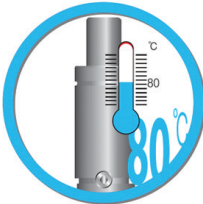
Gövde veya pime darbe uygulamayınız
Avoid any mechanical change or impact on the cylinder and rod



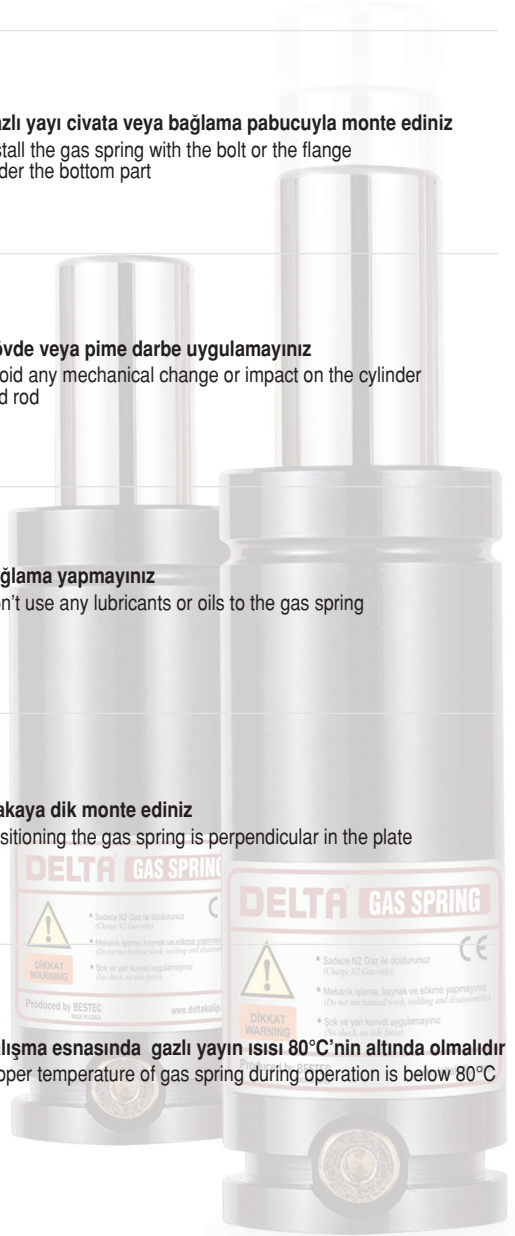
Yağlama yapmayınız
Don't use any lubricants or oils to the gas spring



Plakaya dik monte ediniz
Positioning the gas spring is perpendicular in the plate



Çalışma esnasında gazlı yayın ısısı 80°C'nin altında olmalıdır
Proper temperature of gas spring during operation is below 80°C



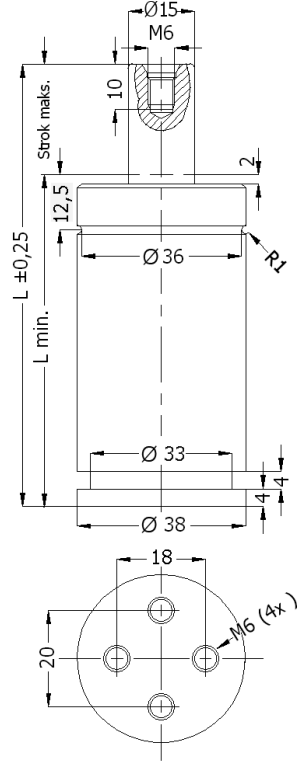
D100.01_00250

Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / ~ VDI 3003



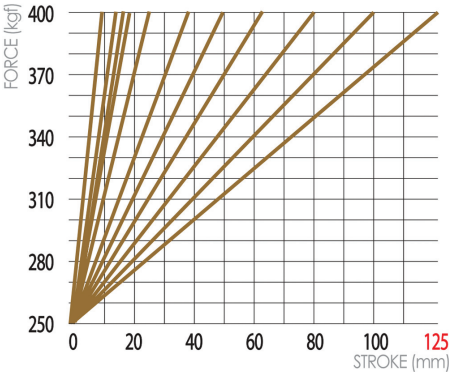
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_00250.010	X346590038	10	60	70
013		12,7	62,7	75,4
016	X346590039	16	66	82
019		19	69	88
025	X346590037	25	75	100
038		38,1	88,1	126,2
050	X346590036	50	100	150
063	Z000382437	63,5	113,5	177
080	X346590261	80	130	210
100		100	150	250

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 50 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 80 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s



Gazlı yay bağlama pabucu : D100.50.01_00250 & D100.50.02_00250
Gas springs mounting clamp : D100.50.01_00250 & D100.50.02_00250

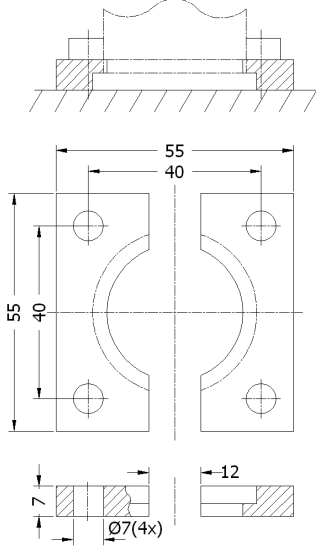
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_00250

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

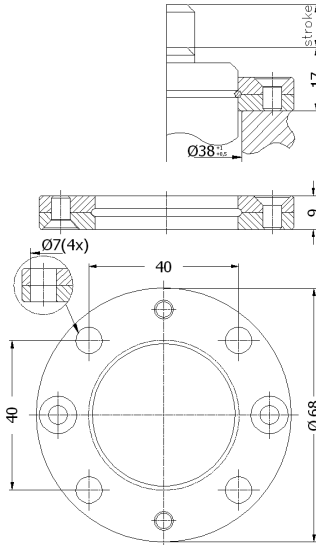


Sipariş Kodu	PSA Mabec Code
D100.50.01_00250	Z000304144

D100.50.02_00250

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_00250	X346591660

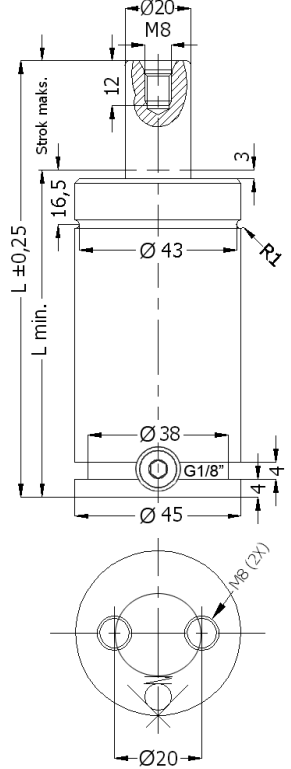
D100.01_00500

Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / VDI 3003



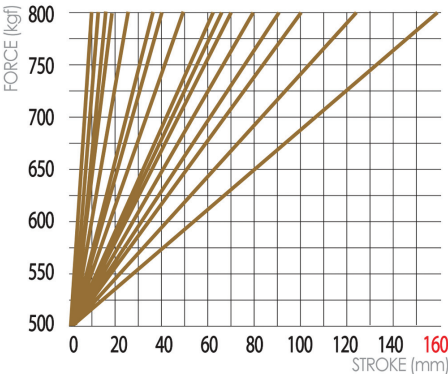
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_00500.010		10	95	105
013		12,7	97,7	110,4
016		16	101	117
019		19	104	123
025	X346590337	25	110	135
038		38,1	123,1	161,2
050	X346590336	50	135	185
063	Z000234960	63,5	148,5	212
080	X346590335	80	165	245
100		100	185	285
125		125	210	335

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 40 - 80 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s



Gazlı yay bağlama pabucu : D100.50.01_00500 & D100.50.02_00500
Gas springs mounting clamp : D100.50.01_00500 & D100.50.02_00500

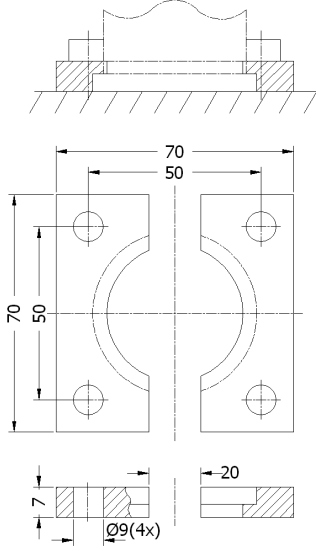
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_00500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

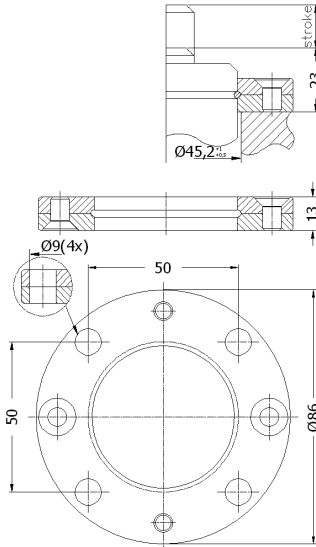


Sipariş Kodu	PSA Mabec Code
D100.50.01_00500	Z000243509

D100.50.02_00500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_00500	Z000461359

D100.01_00750

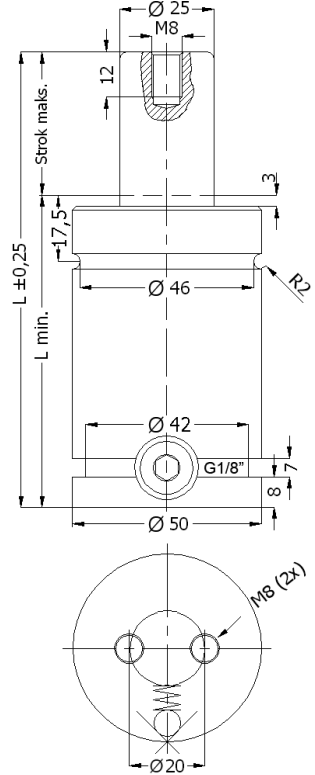
Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / VDI 3003 / EM 2454 700 / D



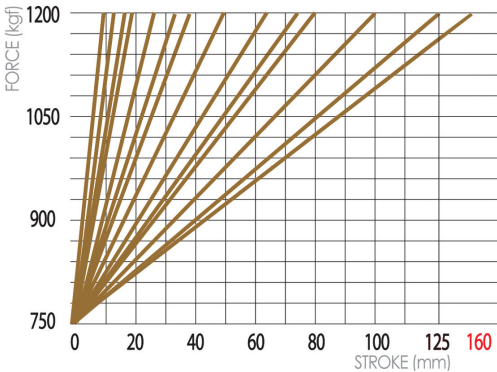
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_00750.013		12,7	107,7	120,4
025	X346590035	25	120	145
038		38,1	133,1	171,2
050	X346590034	50	145	195
063	Z000304414	63,5	158,5	222
080	X346590033	80	175	255
100	X346590032	100	195	295
125	X346590260	125	220	345
160	X346590253	160	255	415

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 15 - 40 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_00750 & D100.50.02_00750
Gas springs mounting clamp : D100.50.01_00750 & D100.50.02_00750



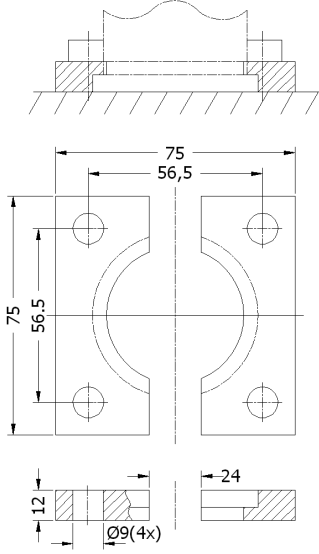
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_00750

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

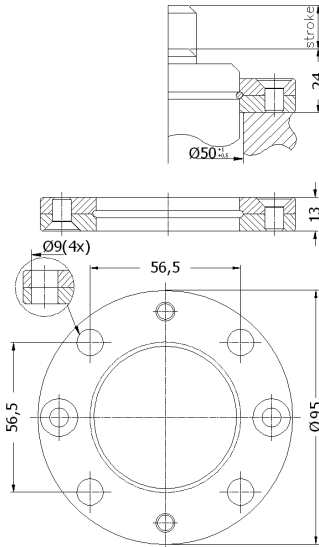


Sipariş Kodu	PSA Mabec Code
D100.50.01_00750	X346591692

D100.50.02_00750

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_00750	X346591659

D100.01_01500

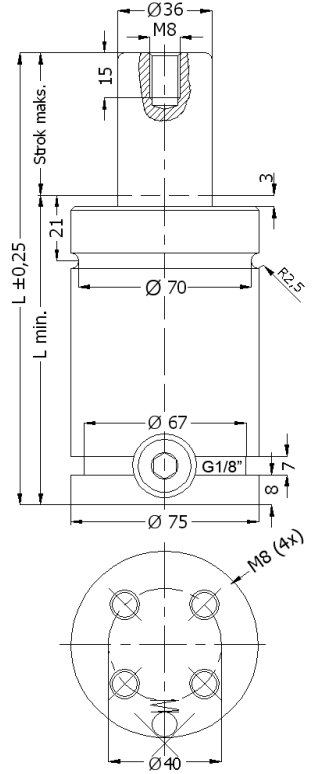
Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / VDI 3003 / EM 2454 700 / D



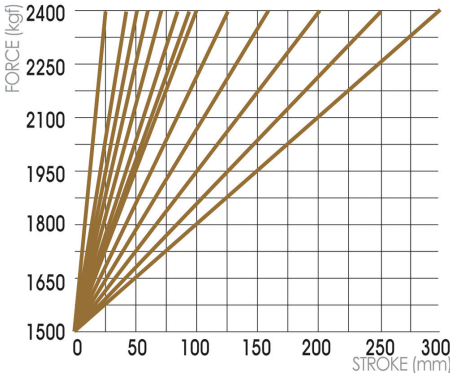
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_01500.025	X346590295	25	135	160
038		38,1	148,1	186,2
050	X346590041	50	160	210
063	Z000296562	63,5	173,5	237
080	X346590042	80	190	270
100	X346590031	100	210	310
125	X346590030	125	235	360
160	X346590029	160	270	430

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 15 - 40 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_01500 & D100.50.02_01500
Gas springs mounting clamp : D100.50.01_01500 & D100.50.02_01500



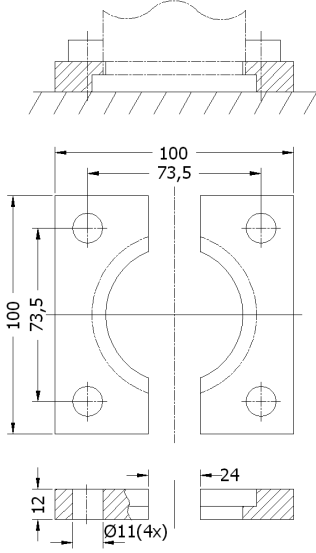
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_01500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

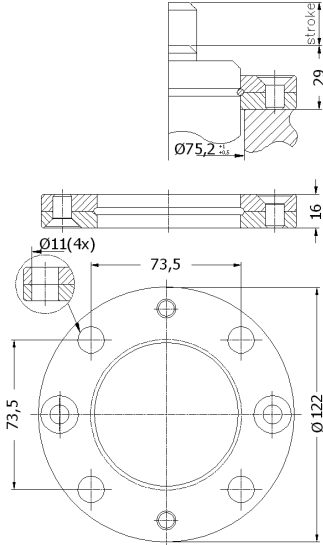


Sipariş Kodu	PSA Mabec Code
D100.50.01_01500	X346591670

D100.50.02_01500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_01500	X346591658

D100.01_03000

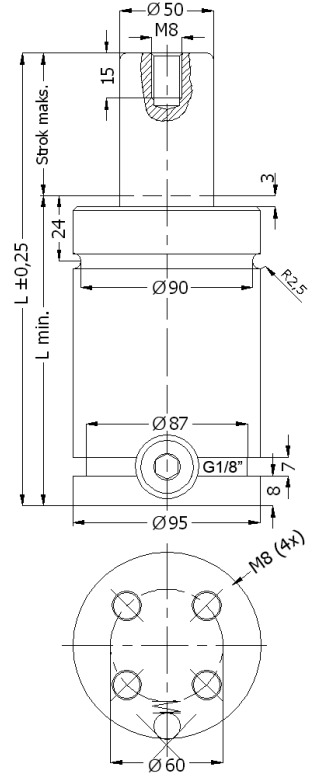
Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / VDI 3003



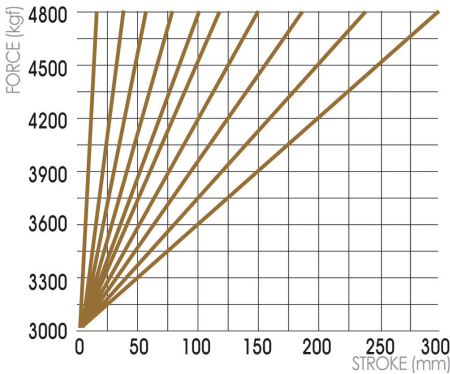
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_03000.025	X346590026	25	145	170
038		38,1	158,1	196,2
050	X346590294	50	170	220
063	Z000459069	63,5	183,5	247
080	X346590293	80	200	280
100	X346590028	100	220	320
125	X346590339	125	245	370
160	X346590252	160	280	440

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
 Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
 Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
 Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
 Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
 Önerilen Strok/dk. / Recommended Extensions Per minute : 15 - 40 (20°C)
 Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_03000 & D100.50.02_03000
Gas springs mounting clamp : D100.50.01_03000 & D100.50.02_03000



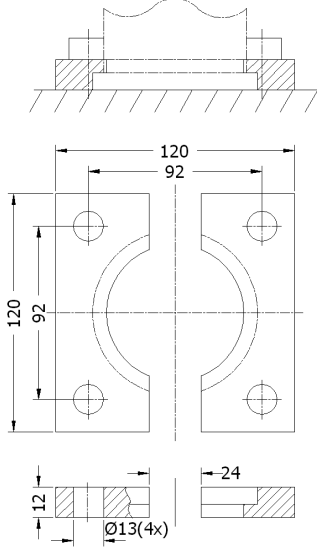
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_03000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

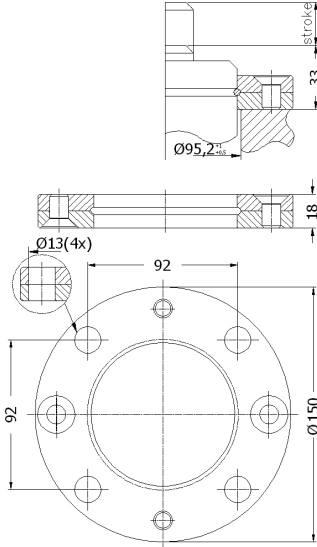


Sipariş Kodu	PSA Mabec Code
D100.50.01_03000	X346591686

D100.50.02_03000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_03000	X346591657

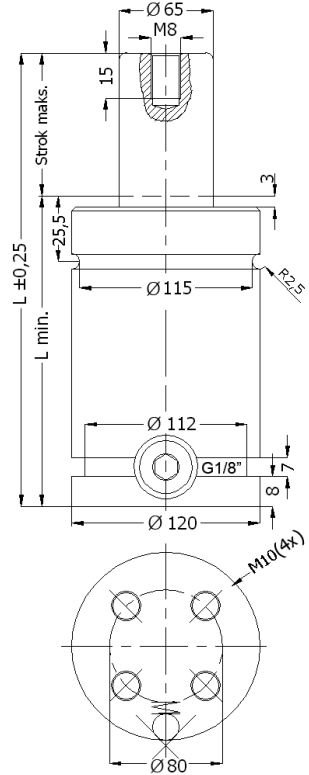
D100.01_05000

Gazlı Yay
Gas Springs
ISO 11901 / CNOMO E.24.54.815.N / VDI 3003



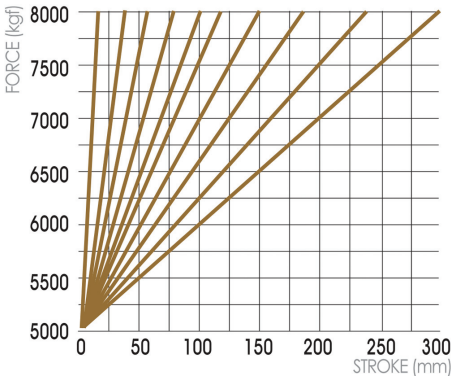
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.01_05000.025	Z000410553	25	165	190
038		38,1	178,1	216,2
050	X346590027	50	190	240
063		63,5	203,5	267
080	Z000492151	80	220	300
100	Z000301877	100	240	340
125	Z000239128	125	265	390
160		160	300	460

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 15 - 40 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s



Gazlı yay bağlama pabucu : D100.50.01_05000 & D100.50.02_05000
Gas springs mounting clamp : D100.50.01_05000 & D100.50.02_05000

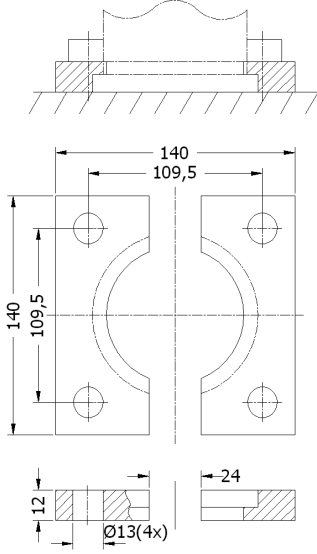
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_05000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

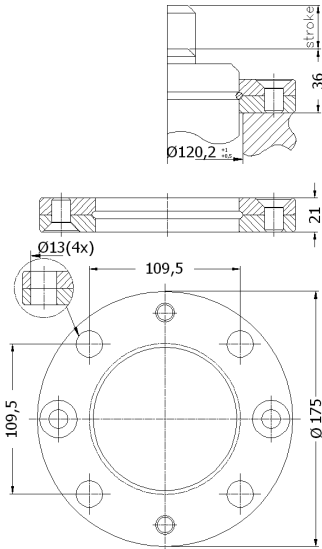


Sipariş Kodu	PSA Mabec Code
D100.50.01_05000	X346591688

D100.50.02_05000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



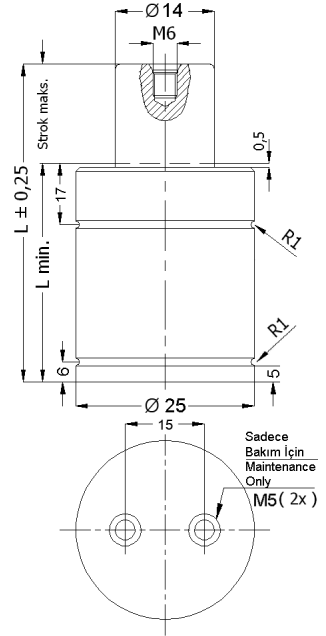
Sipariş Kodu	PSA Mabec Code
D100.50.02_05000	X346591656

D100.02_00320

Gazlı Yay
Gas Springs

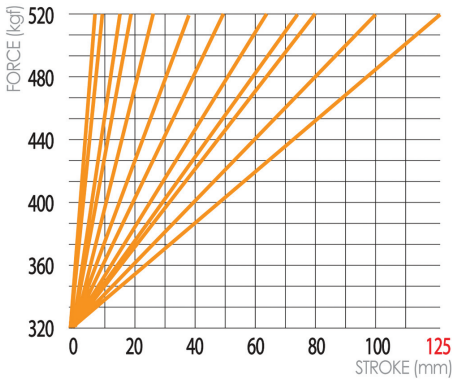


Sipariş Kodu	Strok Maks. Stroke Max.	l min	l
D100.02_00320.007	7	37	44
010	10	40	50
015	15	45	60
019	19	49	68
025	25	55	80
038	38	68	106
050	50	80	130
063	63	93	156
075	75	110	185
080	80	115	195
100	100	135	235
125	125	160	285



Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 180 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 40 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram

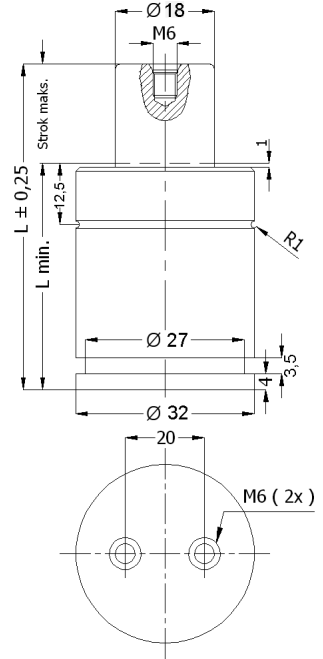


D100.02_00350

Gazlı Yay
Gas Springs
VDI 3003

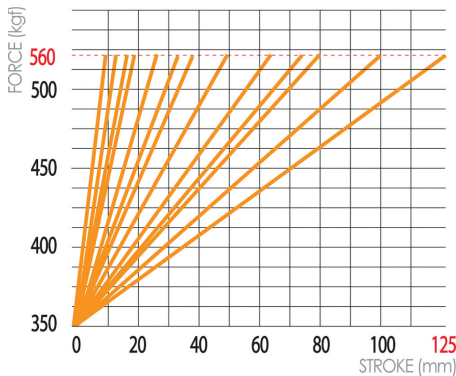


Sipariş Kodu	Strok Maks. Stroke Max.	l min	l
D100.02_00350.010	10	40	50
013	13	43	56
016	16	46	62
019	19	49	68
025	25	55	80
032	32	62	94
038	38	68	106
050	50	80	130
063	63	93	156
075	75	105	180
080	80	110	190
100	100	130	230
125	125	155	280



Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 180 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : $\pm 0,3\%/^{\circ}C$
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Yay Kuvveti Strok Tablosu Spring Force - Stroke Diagram

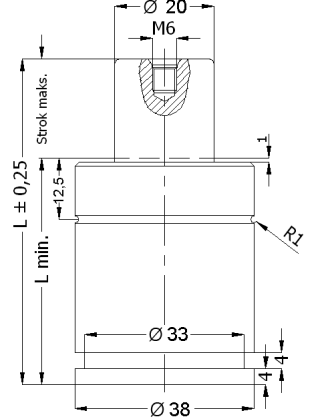


D100.02_00500

Gazlı Yay
Gas Springs
VDI 3003 / CNOMO

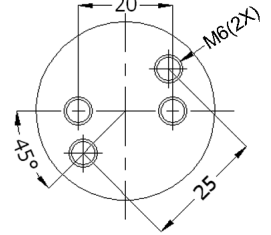


Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.02_00500.010	Z000459071	10	40	50
013		13	43	56
016	Z000459074	16	46	62
019		19	49	68
025	Z000459075	25	55	80
032		32	62	94
038		38	68	106
050	Z000504472	50	80	130
063		63	93	156
075		75	105	180
080	Z000459076	80	110	190
100	Z000459077	100	130	230
125	Z000459078	125	155	280

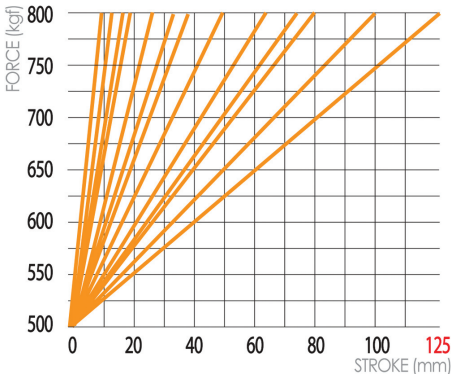


Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_00250 & D100.50.02_00250
Gas springs mounting clamp : D100.50.01_00250 & D100.50.02_00250



Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram

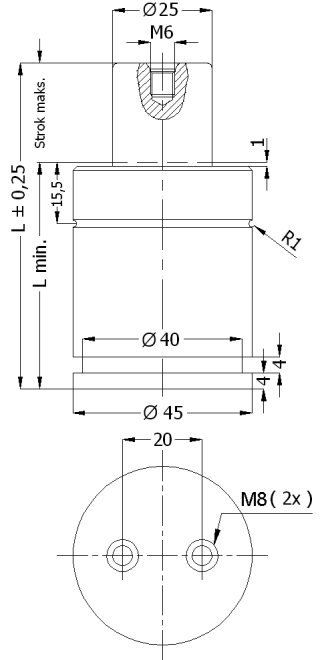


D100.02_00750

Gazlı Yay
Gas Springs
VDI 3003 / CNOMO



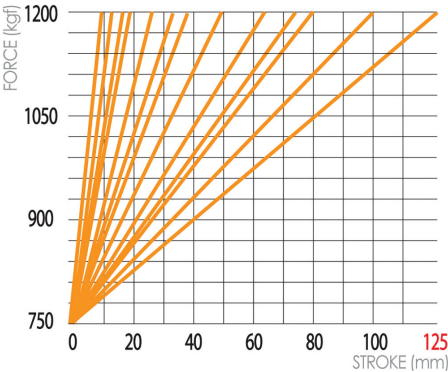
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.02_00750.010	Z000459079	10	42	52
013		13	45	58
016	Z000459080	16	48	64
019		19	51	70
025	Z000459087	25	57	82
032		32	64	96
038		38	70	108
050	Z000459088	50	82	132
063	Z000459089	63	95	158
075		75	107	182
080	Z000459090	80	112	192
100	Z000459208	100	132	232
125	Z000459165	125	157	282



Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_00500 & D100.50.02_00500
Gas springs mounting clamp : D100.50.01_00500 & D100.50.02_00500

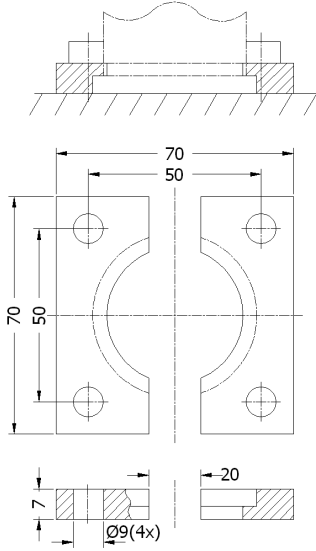
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_00500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

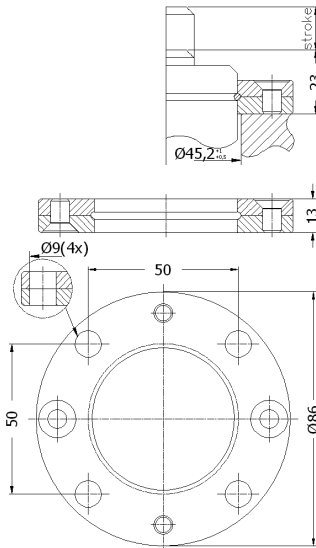


Sipariş Kodu	PSA Mabec Code
D100.50.01_00500	Z000243509

D100.50.02_00500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_00500	Z000461359

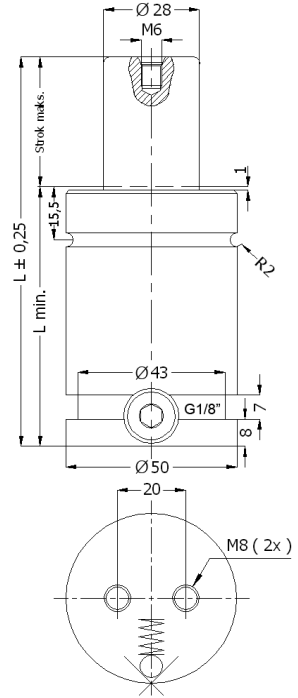
D100.02_01000

Gazlı Yay
Gas Springs
VDI 3003 / CNOMO



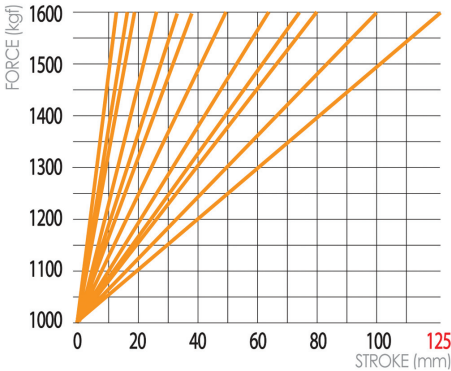
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.02_01000.013		13	51	64
016	Z000459167	16	54	70
019		19	57	76
025	Z000459168	25	63	88
032		32	70	102
038		38	76	114
050	Z000376302	50	88	138
063	Z000459169	63	101	164
075		75	113	188
080	Z000459170	80	118	198
100	Z000459171	100	138	238
125	Z000459173	125	163	288

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s



Gazlı yay bağlama pabucu : D100.50.01_00750 & D100.50.02_00750
Gas springs mounting clamp : D100.50.01_00750 & D100.50.02_00750

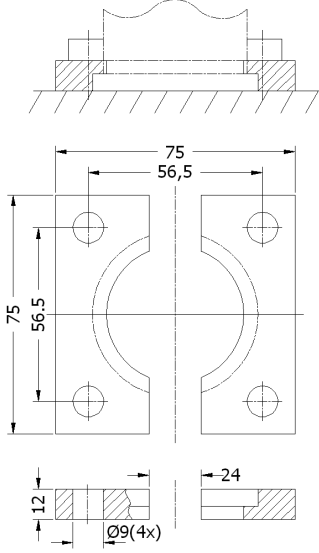
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_00750

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

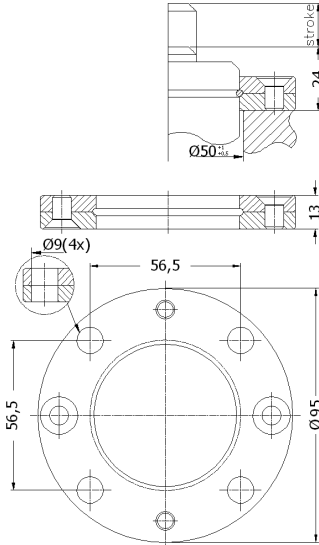


Sipariş Kodu	PSA Mabec Code
D100.50.01_00750	X346591692

D100.50.02_00750

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_00750	X346591659

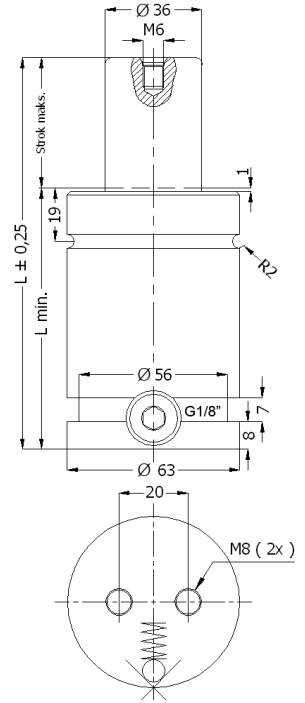
D100.02_01500

Gazlı Yay
Gas Springs
VDI 3003



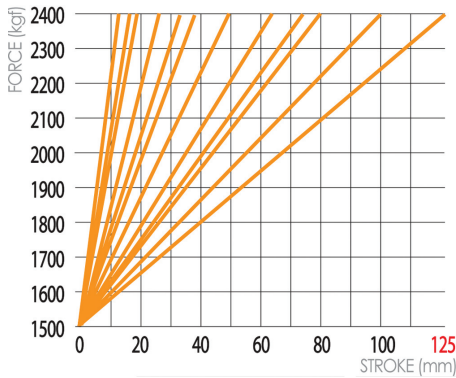
Sipariş Kodu	Strok Maks. Stroke Max.	l min	l
D100.02_01500.013	13	57	70
016	16	60	76
019	19	63	82
025	25	69	94
032	32	76	108
038	38	82	120
050	50	94	144
063	63	107	170
075	75	119	194
080	80	124	204
100	100	144	244
125	125	169	294

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 50 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s



Gazlı yay bağlama pabucu : D100.50.01_01000
Gas springs mounting clamp : D100.50.01_01000

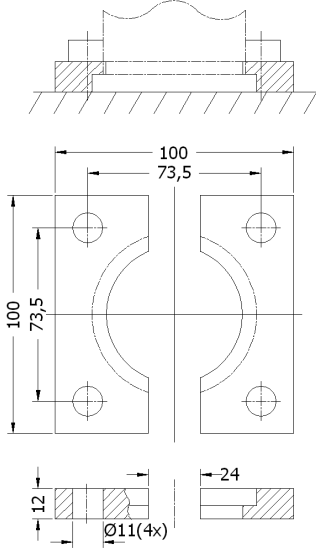
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_01000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu

D100.50.01_01000

D100.02_02400

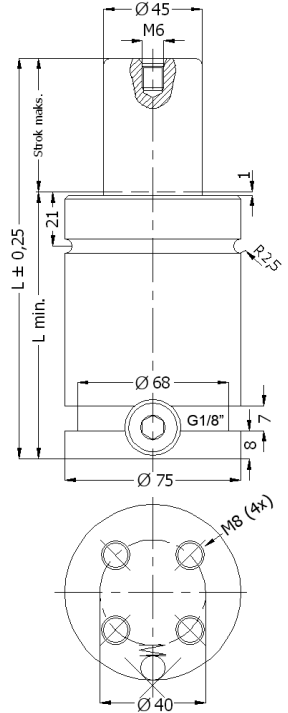
Gazlı Yay
Gas Springs
VDI 3003 / CNOMO



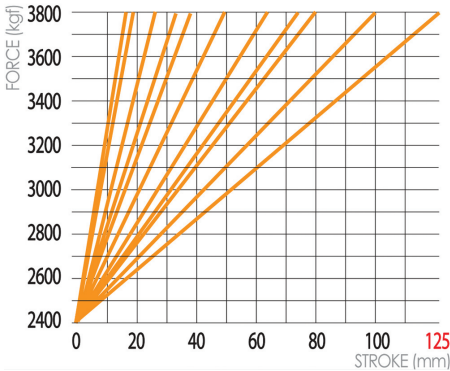
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.02_02400.016	Z000459174	16	61	77
019		19	64	83
025	Z000410552	25	70	95
032		32	77	109
038		38	83	121
050	Z000459175	50	95	145
063	Z000459177	63	108	171
075		75	120	195
080	Z000365402	80	125	205
100	Z000459178	100	145	245
125	Z000459179	125	170	295

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_01500 & D100.50.02_01500
Gas springs mounting clamp : D100.50.01_01500 & D100.50.02_01500



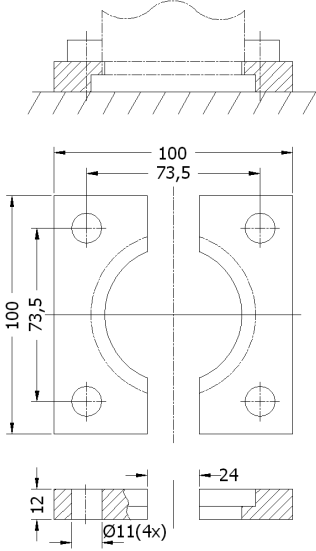
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_01500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

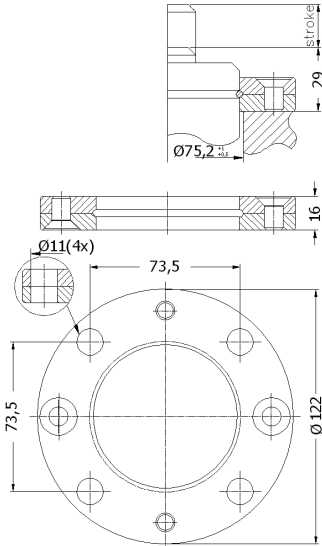


Sipariş Kodu	PSA Mabec Code
D100.50.01_01500	X346591670

D100.50.02_01500

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_01500	X346591658

D100.02_04200

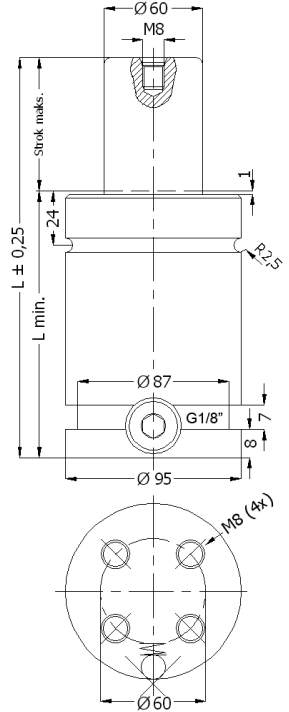
Gazlı Yay
Gas Springs
VDI 3003 / CNOMO



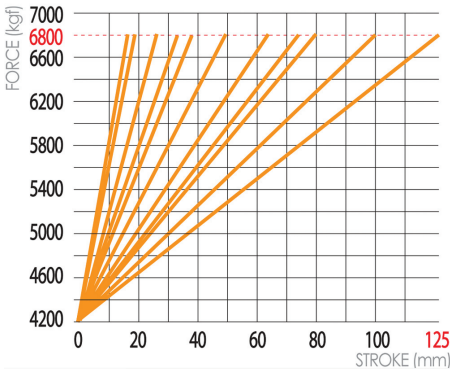
Sipariş Kodu	PSA Mabec Code	Strok Maks. Stroke Max.	l min	l
D100.02_04200.016	Z000459180	16	74	90
019		19	77	96
025	Z000459181	25	83	108
032		32	90	122
038		38	96	134
050	Z000414099	50	108	158
063		63	121	184
075		75	133	208
080	Z000459182	80	138	218
100	Z000459183	100	158	258
125	Z000459184	125	183	308

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_03000 & D100.50.02_03000
Gas springs mounting clamp : D100.50.01_03000 & D100.50.02_03000



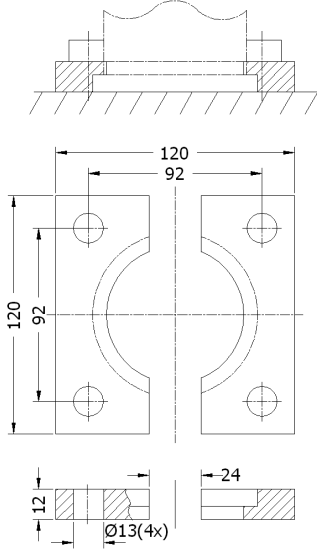
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_03000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

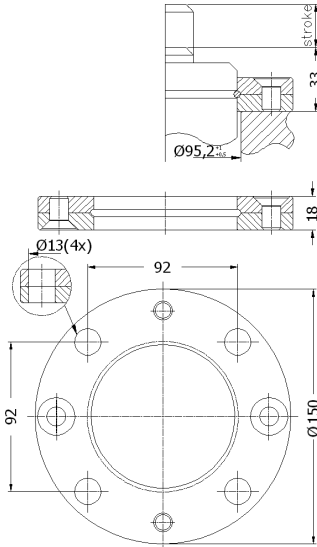


Sipariş Kodu	PSA Mabec Code
D100.50.01_03000	X346591686

D100.50.02_03000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_03000	X346591657

D100.02_06600

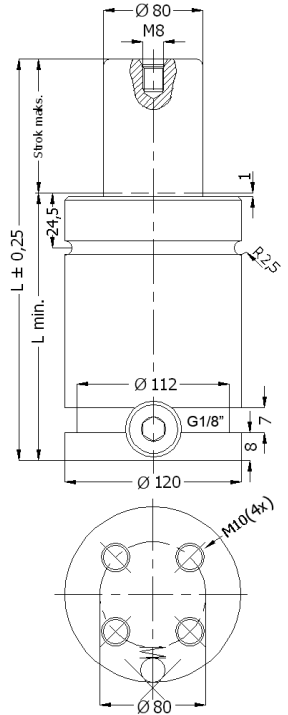
Gazlı Yay
Gas Springs
VDI 3003



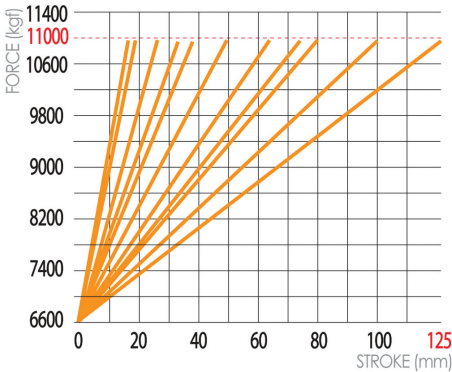
Sipariş Kodu	Strok Maks. Stroke Max.	l min	l
D100.02_06600.016	16	84	100
019	19	87	106
025	25	93	118
032	32	100	132
038	38	106	144
050	50	118	168
063	63	131	194
075	75	143	218
080	80	148	228
100	100	168	268
125	125	193	318

Kullanılan Gaz / Pressure Medium : Nitrojen N₂ / Nitrogen N₂
 Maks. Dolum Basıncı / Max. Filling Pressure : 150 Bar
 Min. Dolum Basıncı / Min. Filling Pressure : 25 Bar
 Çalışma Sıcaklığı / Working Temperature : 0°C / +80°C
 Sıcaklığa Bağlı Kuvvet Artışı / Temperature Related Force Increase : ±0.3%/°C
 Önerilen Strok/dk. / Recommended Extensions Per minute : 20 - 100 (20°C)
 Maks. Piston Hızı / Max. Piston Speed : 1.6 m/s

Gazlı yay bağlama pabucu : D100.50.01_05000 & D100.50.02_05000
Gas springs mounting clamp : D100.50.01_05000 & D100.50.02_05000



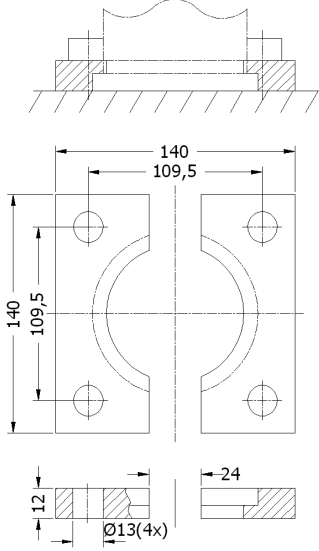
Yay Kuvveti Strok Tablosu
Spring Force - Stroke Diagram



D100.50.01_05000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)

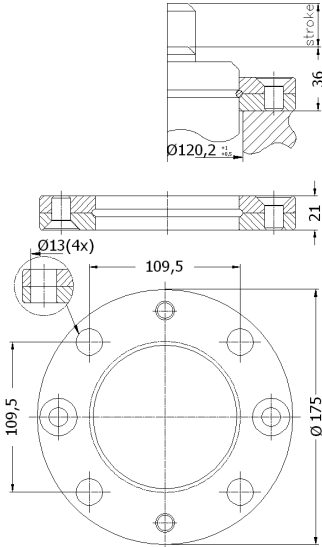


Sipariş Kodu	PSA Mabec Code
D100.50.01_05000	X346591688

D100.50.02_05000

Gazlı Yay Bağlama Pabucu
Gas Springs Mounting Clamp

Malzeme - Material : Çelik (Steel)



Sipariş Kodu	PSA Mabec Code
D100.50.02_05000	X346591656

D70.01

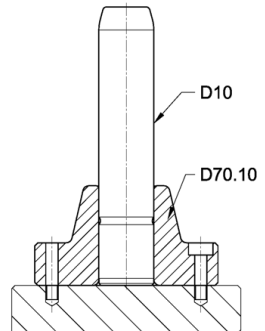
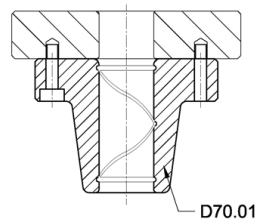
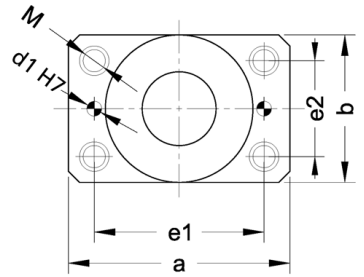
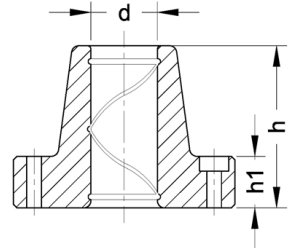
Döküm Blok / Guide Bearing

Malzeme - Material: GG25



	Ø							
Sipariş Kodu	d	d1	h	h1	a	b	e1	e2
D70.01_40	40	10	77	30	130	80	95	45
50	50	10	95	35	160	96	118	55
63	63	12	120	35	180	110	132	62
80	80	14	120	40	215	130	160	75

Ød	M
40	12
50	14
63	16
80	20



D70.02

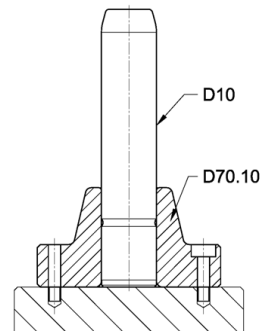
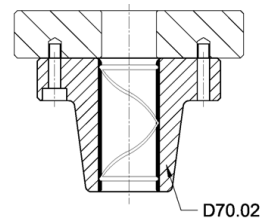
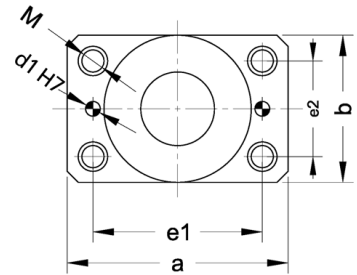
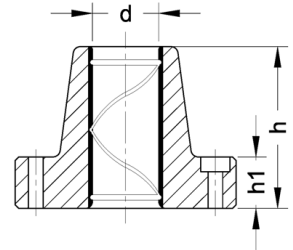
Bronzlu Döküm Blok / Guide Bearing with Bronze

Malzeme - Material: GG25 / Bronze



	Ø							
Sipariş Kodu	d	d1	h	h1	a	b	e1	e2
D70.02_40	40	10	77	30	130	80	95	45
50	50	10	95	35	160	96	118	55
63	63	12	120	35	180	110	132	62
80	80	14	120	40	215	130	160	75

Ød	M
40	12
50	14
63	16
80	20



D70.03

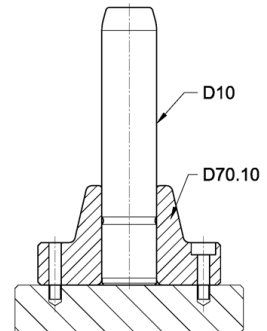
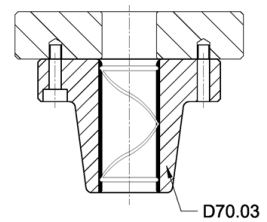
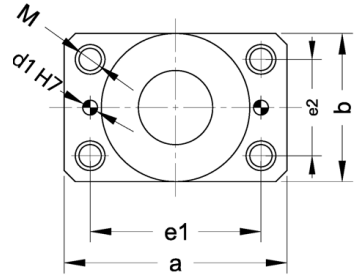
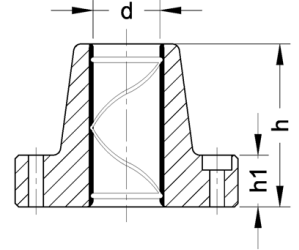
Çelik Kaymalı Döküm Blok / Guide Bearing with Steel

Malzeme - Material : GG25 / Asil Çelik 1.7131 (16MnCr5)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sementasyon (Case Hardened)



Sipariş Kodu	Ød	d1	h	h1	a	b	e1	e2
D70.03_40	40	10	77	30	130	80	95	45
50	50	10	95	35	160	96	118	55
63	63	12	120	35	180	110	132	62
80	80	14	120	40	215	130	160	75

Ød	M
40	12
50	14
63	16
80	20



D70.04

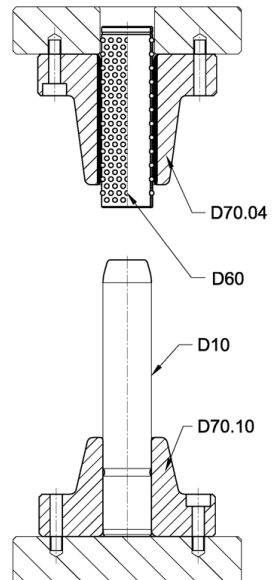
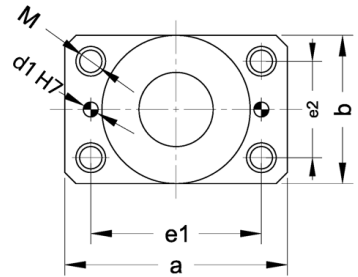
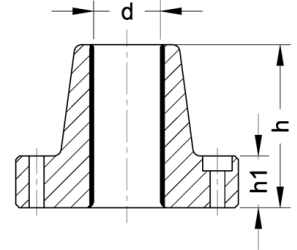
Bilyalı Döküm Blok / Guide Bearing with Ball Cage

Malzeme - Material : GG25 /Asil Çelik 1.3505 (100Cr6)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : Sementasyon (Case Hardened)



	Ø								
Sipariş Kodu	d	d1	h	h1	a	b	e1	e2	
D70.04_40	40	10	77	30	130	80	95	45	
50	50	10	95	35	160	96	118	55	
63	63	12	120	35	180	110	132	62	
80	80	14	120	40	215	130	160	75	

Ød	M
40	12
50	14
63	16
80	20



D70.05

Grafitli Döküm Blok / Guide Bearing Non-Lubricant

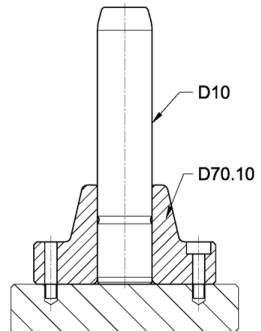
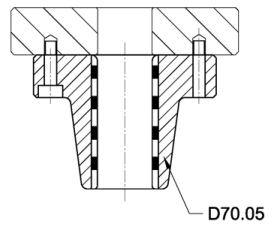
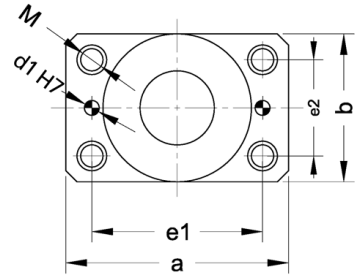
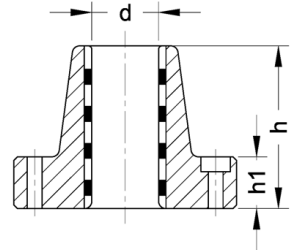
Malzeme - Material: GG25 / SAE 430B

Sertlik - Hardness : HB≥180



Sipariş Kodu	Ød	d1	h	h1	a	b	e1	e2
D70.05_40	40	10	77	30	130	80	95	45
	50	10	95	35	160	96	118	55
	63	12	120	35	180	110	132	62
	80	14	120	40	215	130	160	75

Ød	M
40	12
50	14
63	16
80	20



D70.10

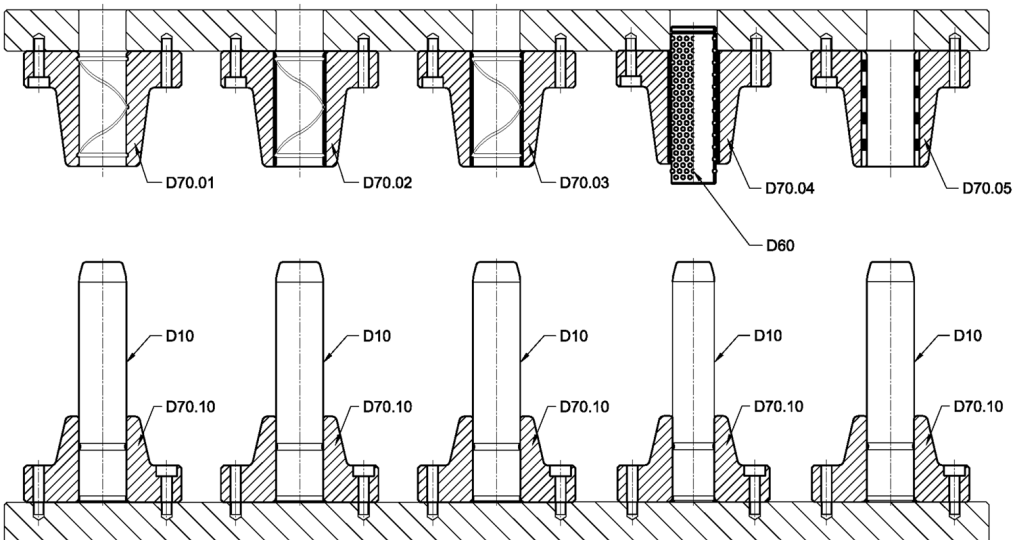
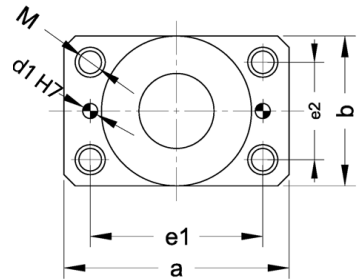
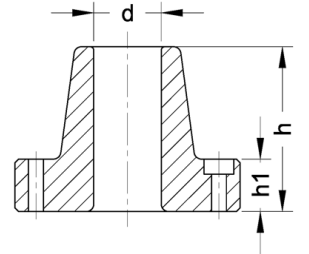
Kolon Sabitleme Bloğu / Pillar Bearing

Malzeme - Material: GG25



Sipariş Kodu	Ø							
	d	d1	h	h1	a	b	e1	e2
D70.10_40	40	10	77	30	130	80	95	45
50	50	10	95	35	160	96	118	55
63	63	12	120	35	180	110	132	62
80	80	14	120	40	215	130	160	75

Ød	M
40	12
50	14
63	16
80	20



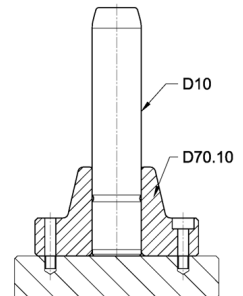
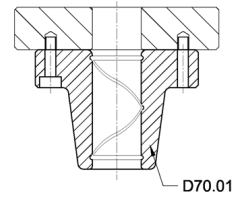
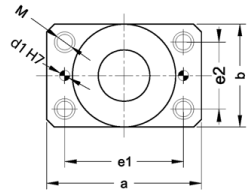
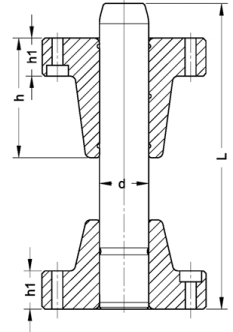
D70.011

Döküm Set / Guide Bearing Set

Malzeme - Material : GG25 / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isıl İşlem - Heat Treatment: İndüksiyon (Induction)



Sipariş Kodu	Ø	d	L	d1	h	h1	a	b	e1	e2
D70.011_40180	40	40	180	10	77	30	130	80	95	45
			220							
			260							
			300							
			355							
			400							
D70.011_50200	50	50	200	10	95	35	160	96	118	55
			240							
			280							
			315							
			355							
			400							
			450							
D70.011_63240	63	63	240	12	120	35	180	110	132	62
			280							
			315							
			355							
			400							
			450							
D70.011_80240	80	80	240	14	120	40	215	130	160	75
			280							
			315							
			355							
			400							
			450							
			500							



Ød	M
40	12
50	14
63	16
80	20

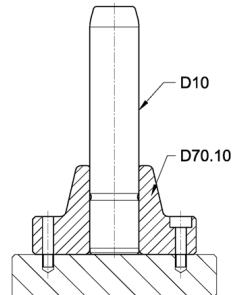
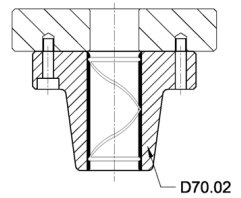
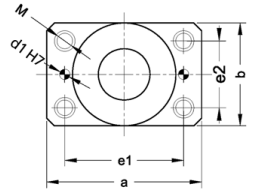
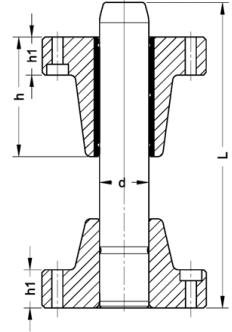
D70.021

Bronzlu Döküm Set / Guide Bearing Set with Bronze

Malzeme - Material : GG25 / Bronze / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment: Indüksiyon (Induction)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D70.021_40180	40	180	10	77	30	130	80	95	45
220		220							
260		260							
300		300							
355		355							
400		400							
D70.021_50200	50	200	10	95	35	160	96	118	55
240		240							
280		280							
315		315							
355		355							
400		400							
450		450							
D70.021_63240	63	240	12	120	35	180	110	132	62
280		280							
315		315							
355		355							
400		400							
450		450							
D70.021_80240	80	240	14	120	40	215	130	160	75
280		280							
315		315							
355		355							
400		400							
450		450							
500		500							



Ød	M
40	12
50	14
63	16
80	20

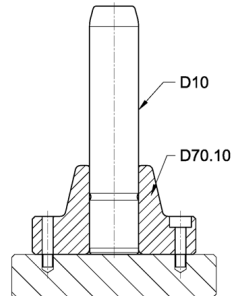
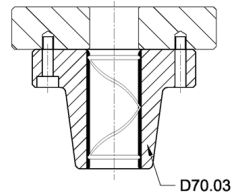
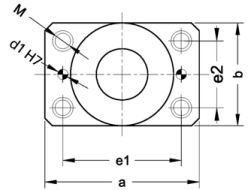
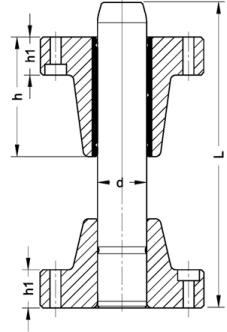
D70.031

Çelik Kaymalı Döküm Set / Guide Bearing Set with Steel

Malzeme - Material : GG25 / Asil Çelik 1.7131 (16MnCr5) / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment: İndüksiyon (Induction)
 Sementasyon (Case Hardened)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D70.031_40180	40	180	10	77	30	130	80	95	45
	220	220							
	260	260							
	300	300							
	355	355							
	400	400							
D70.031_50200	50	200	10	95	35	160	96	118	55
	240	240							
	280	280							
	315	315							
	355	355							
	400	400							
	450	450							
D70.031_63240	63	240	12	120	35	180	110	132	62
	280	280							
	315	315							
	355	355							
	400	400							
	450	450							
D70.031_80240	80	240	14	120	40	215	130	160	75
	280	280							
	315	315							
	355	355							
	400	400							
	450	450							
	500	500							



Ød	M
40	12
50	14
63	16
80	20

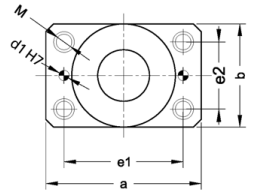
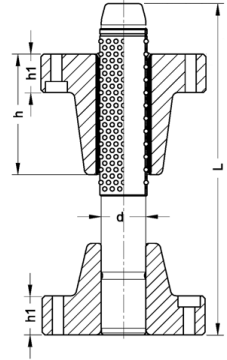
D70.041

Bilyalı Döküm Set / Guide Bearing Set with Ball Cage

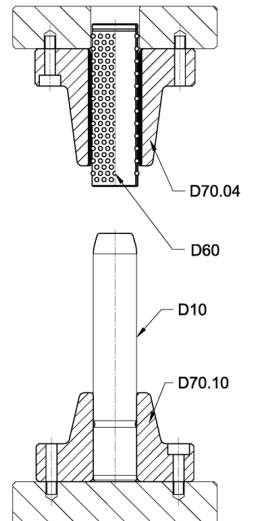
Malzeme - Material : GG25 / Asil Çelik 1.3505 (100Cr6) / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC
 Isil İşlem - Heat Treatment: İndüksiyon (Induction)
 Sementasyon (Case Hardened)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D70.041_40180	40	180	10	77	30	130	80	95	45
220		220							
260		260							
300		300							
355		355							
400		400							
D70.041_50200	50	200	10	95	35	160	96	118	55
240		240							
280		280							
315		315							
355		355							
400		400							
450		450							
D70.041_63240	63	240	12	120	35	180	110	132	62
280		280							
315		315							
355		355							
400		400							
450		450							



Ød	M
40	12
50	14
63	16
80	20



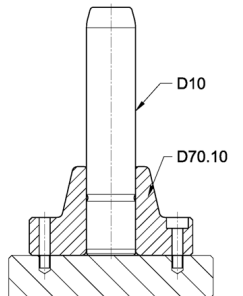
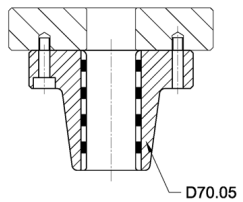
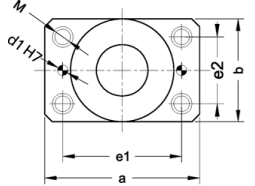
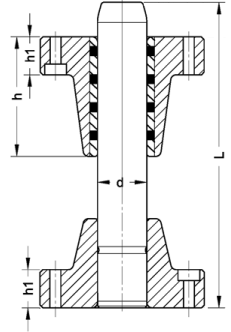
D70.051

Grafitli Döküm Set / Guide Bearing Set Non-Lubricant

Malzeme - Material : GG25 / SAE 430B / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC / HB \geq 180
 Isil İşlem - Heat Treatment: İndüksiyon (Induction)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D70.051_40180	40	180	10	77	30	130	80	95	45
220		220							
260		260							
300		300							
355		355							
400		400							
D70.051_50200	50	200	10	95	35	160	96	118	55
240		240							
280		280							
315		315							
355		355							
400		400							
450		450							
D70.051_63240	63	240	12	120	35	180	110	132	62
280		280							
315		315							
355		355							
400		400							
450		450							
D70.051_80240	80	240	14	120	40	215	130	160	75
280		280							
315		315							
355		355							
400		400							
450		450							
500		500							



Ød	M
40	12
50	14
63	16
80	20

D71.02

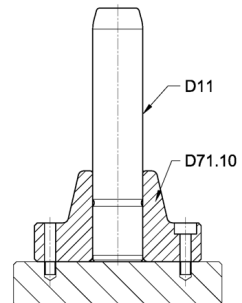
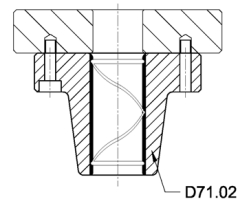
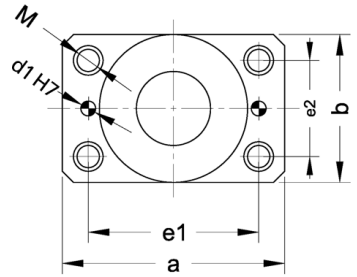
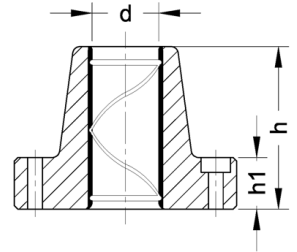
Bronzlu Döküm Blok / Guide Bearing with Bronze

Malzeme - Material: GG25 / Bronze



Sipariş Kodu	Ø	d	d1	h	h1	a	b	e1	e2
D71.02_40		40	10	70	25	130	75	100	44
50		50	10	85	25	155	90	125	60

Ød	M
40	12
50	12



D71.05

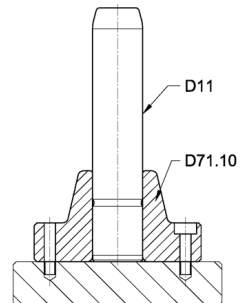
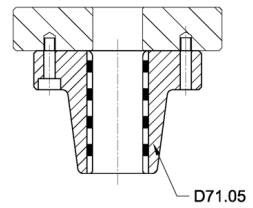
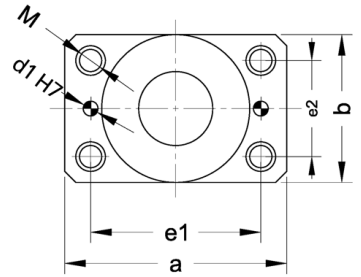
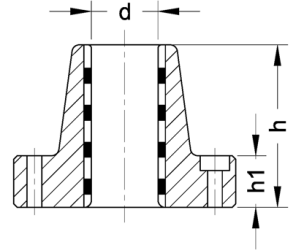
Grafitli Döküm Blok / Guide Bearing Non-Lubricant

Malzeme - Material: GG25 / SAE 430B
Sertlik - Hardness : HB≥180



Sipariş Kodu	Ød	d1	h	h1	a	b	e1	e2
D71.05_40	40	10	70	25	130	75	100	44
50	50	10	85	25	155	90	125	60

Ød	M
40	12
50	12



D71.10

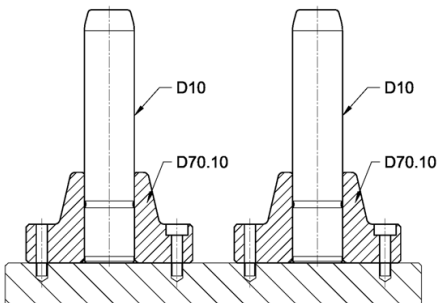
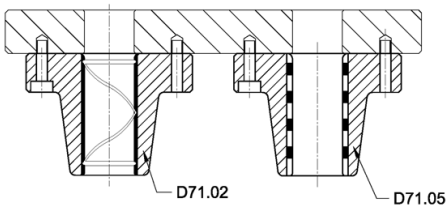
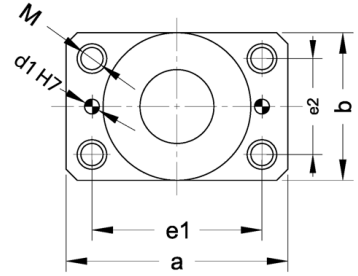
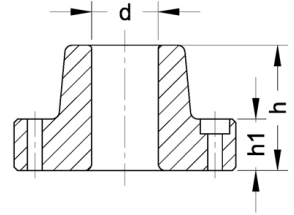
Kolon Sabitleme Bloğu / Pillar Bearing

Malzeme - Material: GG25



Sipariş Kodu	$\varnothing d$	d_1	h	h_1	a	b	e_1	e_2
D71.10_40	40	10	50	25	130	75	100	44
50	50	10	70	25	155	90	125	60

$\varnothing d$	M
40	12
50	12



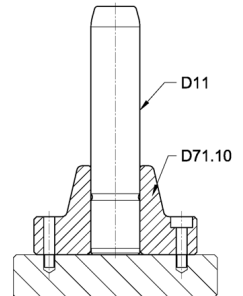
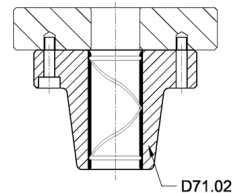
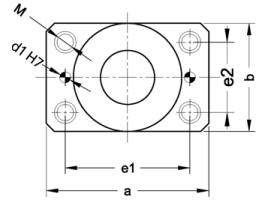
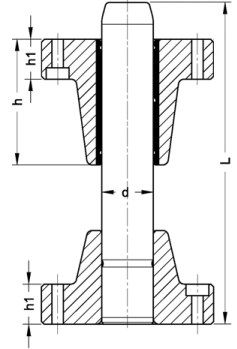
D71.021

Bronzlu Döküm Set / Guide Bearing Set with Bronze

Malzeme - Material : GG25 / Bronze / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62± 2 HRC
 Isil İşlem - Heat Treatment : İndüksiyon (Induction)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D71.021_40160	40	160	10	70	25	130	75	100	44
180		180							
200		200							
225		225							
250		250							
280		280							
D71.10_40	40		10	50	25	130	75	100	44
D71.021_50160	50	160	10	85	25	155	90	125	60
180		180							
200		200							
225		225							
250		250							
280		280							
315		315							
D71.10_50	50		10	70	25	155	90	125	60



Ød	M
40	12
50	12

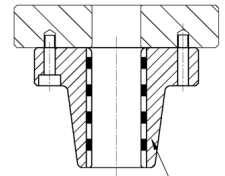
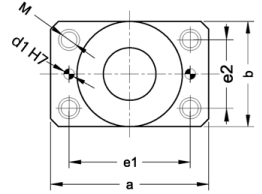
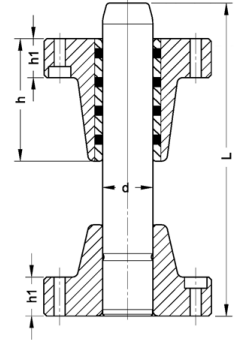
D71.051

Grafitli Döküm Set / Guide Bearing Set Non-Lubricant

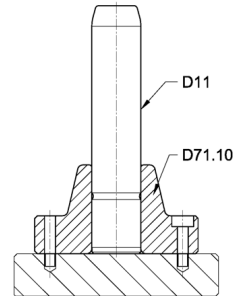
Malzeme - Material : GG25 / SAE 430B / Asil Çelik 1.1213 (Cf 53)
 Sertlik - Hardness : 62 ± 2 HRC / HB \geq 180
 Isil İşlem - Heat Treatment: İndüksiyon (Induction)



Sipariş Kodu	Ø d	L	d1	h	h1	a	b	e1	e2
D71.051_40160	40	160	10	70	25	130	75	100	44
180		180							
200		200							
225		225							
250		250							
280		280							
D71.10_40	40		10	50	25	130	75	100	44
D71.051_50160	50	160	10	85	25	155	90	125	60
180		180							
200		200							
225		225							
250		250							
280		280							
315		315							
D71.10_50	50		10	70	25	155	90	125	60



D71.05



Ød	M
40	12
50	12

D19.01

Taşıma Mili / Lifting Pins CNOMO-Norm

Malzeme - Material : Çelik (Steel)

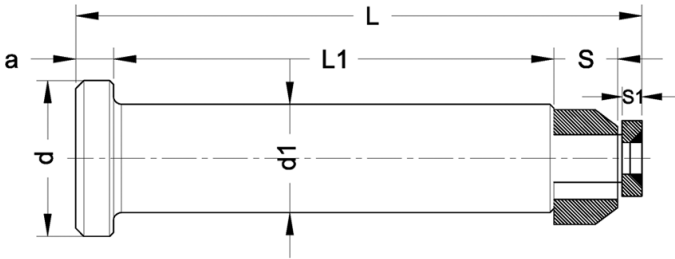


Sipariş Kodu	d1	PSA Mabec Code	Taşıma Kapasitesi Capacity (Kg)	d	L	L1	a	S	s1
D19.01_32	32	P953254770	6400	40	154	132	6	10	5
40	40	P953255870	10000	50	197.75	170	8	12.5	6
50	50	P953256670	16000	63	247.6	212	10	16	8
63	63	P953257470	25000	80	309	265	12	20	10

Warning!**In utilisation for turnover the load is supported from two pins only.**

Dikkat!

Kalıp çevirme için kullanılırken yükleme sadece iki pim ile yapılmalıdır.



D19.02

Taşıma Mili / Lifting Pins

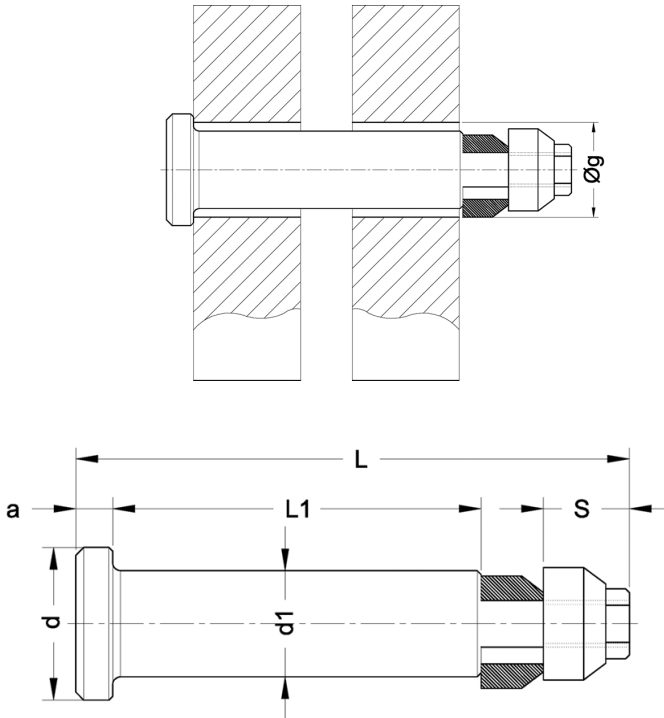
Malzeme - Material: Çelik (Steel)



Sipariş Kodu	g	Taşıma Kapasitesi	d	L	L1	d1	a	s
D19.02_16	16	1200	25	102.5	77	15.6	6	11.5
21	21	2000	30	113.5	86	20.6	6	13.5
26	26	4000	35	128.5	100	25.6	6	13.5
34	34	8000	43	166.5	135	33	6	15.5
44	44	14000	53	215.5	175	43	8	20.5

Dikkat!**Kalıp çevirme için kullanılırken yükleme sadece iki pim ile yapılmalıdır.****Warning!**

In utilisation for turnover the load is supported from two pins only.



D19.03

Taşıma Mili / Lifting Pins

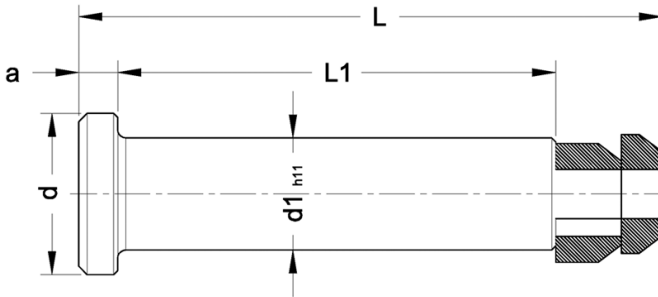
Malzeme - Material: Çelik (Steel)



Sipariş Kodu	FORD CODE WDX2270	Ø d1	Taşıma Kapasitesi	d	a	L	L1
D19.03_35	01035	35	3200	45	12	162.5	125
50	01050	50	8000	63	12	227.5	190
63	01063	63	12500	75	12	317.5	280
80	01080	80	31500	95	12	357.5	320

Dikkat!**Kalıp çevirme için kullanılırken yükleme sadece iki pim ile yapılmalıdır.****Warning!**

In utilisation for turnover the load is supported from two pins only.



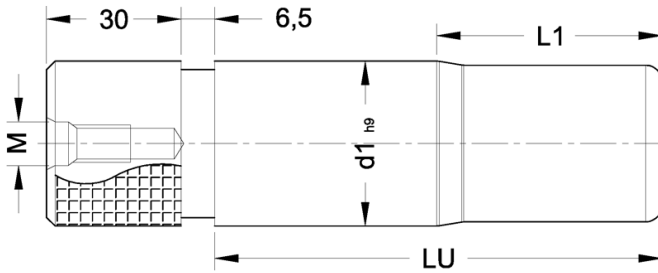
D19.50

Emniyet Pimi / Pad Retainer Pin

Malzeme - Material: CK45



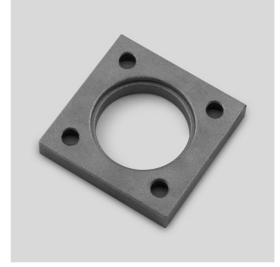
Sipariş Kodu	Ø		PSA MABEC CODE	RENAULT MABEC CODE	L1	M
D19.50_20081	20	81	Z000 400 337	R100 306 188	19	M8
25081	25	81	Z000 400 338	R100 306 190	19	M8
25098	25	98	Z000 400 339	R100 306 191	19	M8
32103	32	103	Z000 400 487	R100 306 194	26	M8
32148	32	148	Z000 400 342	R100 306 198	26	M8
40132	40	132	Z000 400 345	R100 306 201	33	M10
40192	40	192	Z000 400 346	R100 306 204	33	M10
50165	50	165	Z000 400 349	R100 306 207	41	M10
50220	50	220	Z000 400 350	R100 306 209	41	M10
63210	63	210	Z000 400 353	R100 306 210	51	M12
63250	63	250	Z000 400 354	R100 306 213	51	M12
80210	80	210	Z000 400 846	R100 357 232	51	M12



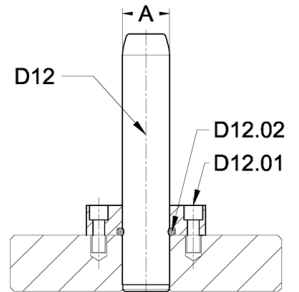
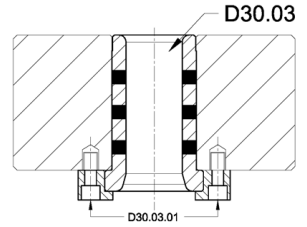
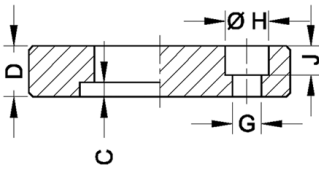
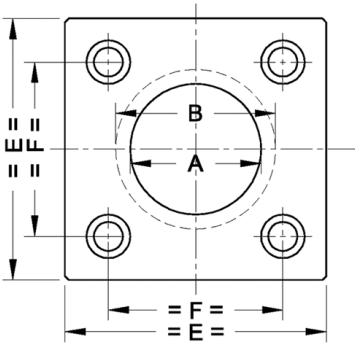
D12.01

Kolon Tutucu Flaş / Clamping Flange - AFNOR

Malzeme - Material : CK45



Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	Ø								
			A	B	G	H	J	D	C	E	F
D12.01_025	Z000 248 844	P483 784 100	25	28	6.6	11	7	10	2.7	45	31
032	P446 932 711	P483 784 600	32	37	6.6	11	7	10	4.2	56	36
040	P446 932 701	P483 795 100	40	45	6.6	11	7	12	4.2	70	50
050	P446 932 702	P483 795 401	50	55	9	16	9	14	4.2	80	55
063	P446 932 703	P483 795 801	63	70	11	18	11	18	6.2	100	70
080	P446 932 704	P483 796 001	80	87	13	22	14	20	6.2	110	80
100		P483 796 401	100	107	13	22	14	20	6.2	140	100



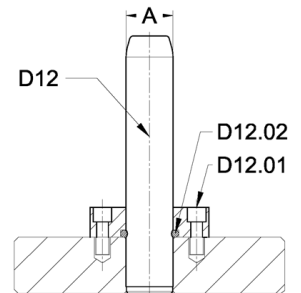
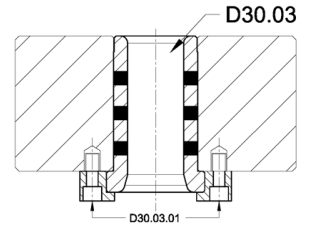
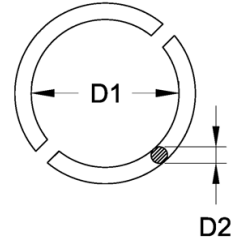
D12.02

Tutucu Halka / Retaining Ring - AFNOR

Malzeme - Material : 1040



Sipariş Kodu	RENAULT Mabec Code	Ø		
		A	D1	D2
D12.02_025	P446 180 200	25	22.5	2.5
032	P446 180 300	32	28	4
040	P446 180 400	40	36	4
050	P446 180 500	50	46	4
063	P446 180 600	63	57	6
080	P446 180 700	80	74	6
100	P446 180 800	100	94	6



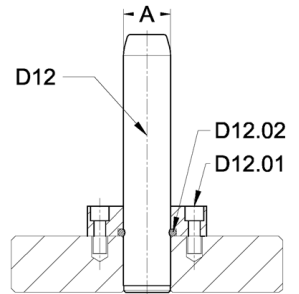
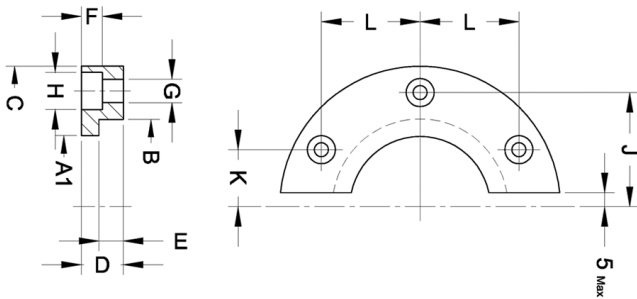
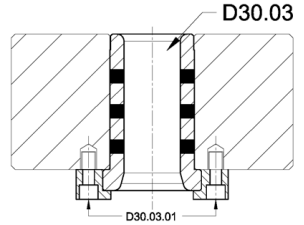
D30.03.01

Burç Tutucu Flanş / Retaining Flange - AFNOR

Malzeme - Material : CK45



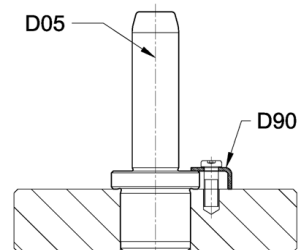
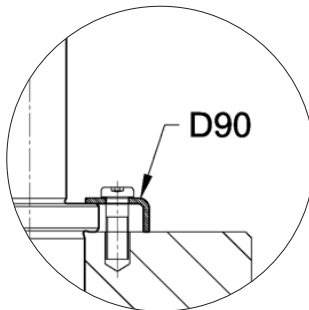
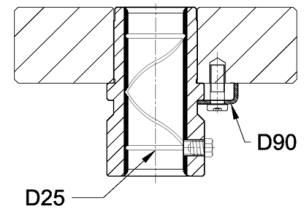
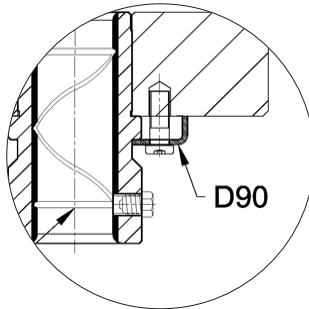
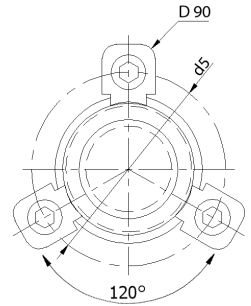
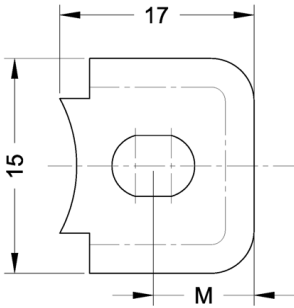
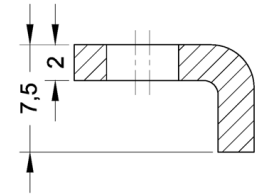
			Ø											
Sipariş Kodu	PSA Mabec Code	RENAULT Mabec Code	A	A1	B	C	D	E	F	G	H	K	J	L
D30.03.01_025		M321 534 500	25	32	41	72	10	5	7	6.6	12	20		20
032	P446 932 717	M321 544 501	32	40	51	80	12	6	7	6.6	12	21		25
040	P446 932 712	M321 548 501	40	50	61	100	12	8	7	6.6	12	14	41	38.5
050	P446 932 713	M321 552 601	50	63	72	125	16	10	9	9	16	17	49	46
063	P446 932 714	M321 556 601	63	80	91	140	20	12	11	11	18	17	57.5	55
080	P446 932 715	M321 560 601	80	100	113	180	25	16	13	14	22	20	72	70
100		M321 562 700	100	125	141	200	32	20	13	14	22	25	85	81



D90

Bağlama Pabucu
Pillar & Bush Clamp

Sertlik - Hardness : 40-42 HRC



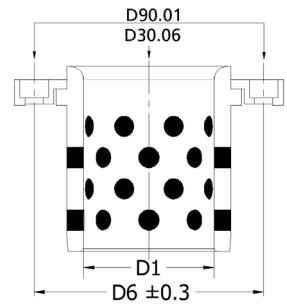
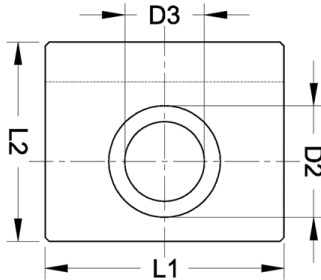
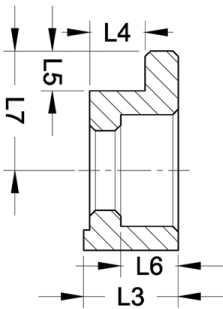
D90.01

Bağlama Pabucu
Pillar & Bush Clamp

DIN 9832



Sipariş Kodu	FORD CODE	BMW CODE	PSA Mabec Code	D1	L1	L2	L3	L4	L5	L6	L7	D2	D3
D90.01_01	WDX1360 0901	B2 2978 11 2168834		25 32 40 50	20	20	10	6.3	5	7	12.5	11	7
D90.01_02	WDX1360 0902	B2 2978 11 2168842	Z000263005	63 80 100 125 160	32	32	16	10	10	11.5	21	17	11
D90.01_03	WDX1360 1001			25 32 40 50 63 80 100 125	32	32	16	6	10	11.5	21	17	11



D17.01

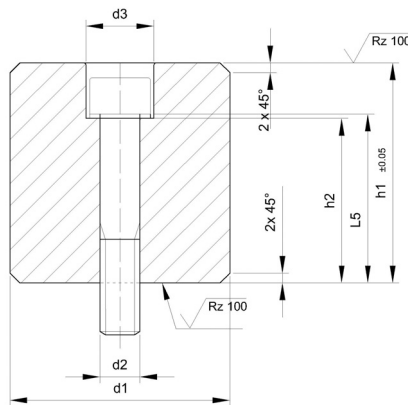
Stoplama Bloğu
Stop Block

Malzeme - Material: Çelik - Steel



Sipariş Kodu	VW/AUDI CODE	d1	d2	d3	h1	Taşıma Yüğü	Adet
D17.01_060xxx	39V1162/14	60	14	20	1)	< 1800 kN	4
080xxx	39V1162/15	80				≥1800 - 3400 kN	
100xxx	39V1162/25	100	>3400 - 5300 kN				
120xxx	39V1162/17	120	>5300 - 10000 kN				
150xxx	39V1162/18	150	>10000 - 25000 kN	8			

DIN EN ISO 4762		M12		M16		M20	
h1	1)	h2	L5	h2	L5	h2	L5
≥ 040	- 060	22	40	20	40	15	50
> 060	- 080	42	60	36	60	30	60
> 080	- 100	62	80	56	80	50	80
> 100	- 120	82	100	76	100	70	100
> 120	- 140	102	120	96	120	90	120
> 140	- 160	122	140	116	140	110	140



D17.02

Stoplama Bloğu
Stop Block

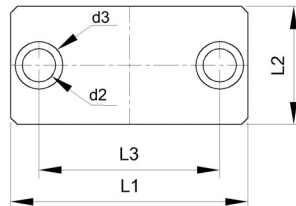
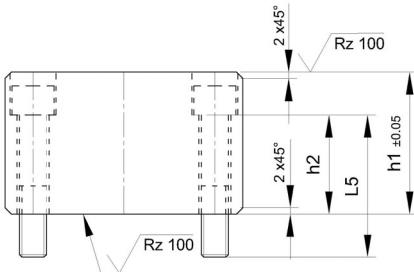
Malzeme - Material: Çelik - Steel



Sipariş Kodu	VW/AUDI CODE	L1	L2	L3	d2	d3	h1
D17.02_01060xxx	39V1162/1	60	40	40	9	15	1)
02080xxx	39V1162/2	80		56	11	18	
03100xxx	39V1162/3	100		71	14	20	
04100xxx	39V1162/4		50	76			
05120xxx	39V1162/5	120	60	93	18	26	
20150xxx	39V1162/20	150	80	120			
21160xxx	39V1162/21	160	100	130			

Code	Taşıma Yüğü	Adet
D17.02_04100xxx	< 3500 kN	4
05120xxx	≥3500 - 4900 kN	
20150xxx	≥4900 - 9800 kN	
20150xxx	≥9800 - 19600 kN	8
21160xxx	≥19600 - 25000 kN	

DIN EN ISO 4762	M8		M10		M12		M16	
h1 1)	h2	L5	h2	L5	h2	L5	h2	L5
≥ 020 - 040	10	25	8	25	-	-	-	-
> 040 - 060	28	40	25	40	22	40	18	40
> 060 - 080	48	60	45	60	42	60	38	60
> 080 - 100	68	80	65	80	62	80	58	80
> 100 - 120			85	100	82	100	78	100
> 120 - 140			105	120	102	120	98	120
> 140 - 160			122	140	118	140		



D18.01

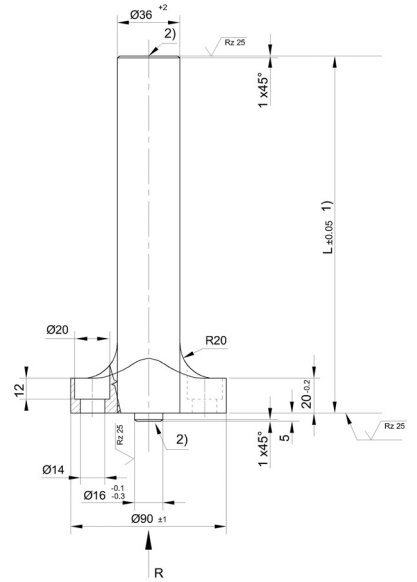
Havalandırma Pimi
Air Pin

Malzeme - Material: Çelik - Steel

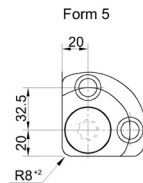
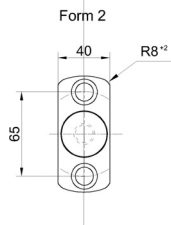
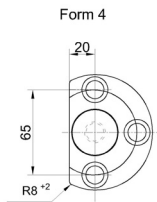
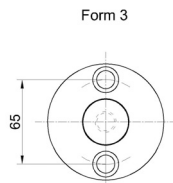


New

Sipariş Kodu	VW/AUDI CODE	L	Form
D18.01.02_36150	39D638/2	150	2
175	39D638/2	175	2
200	39D638/2	200	2
225	39D638/2	225	2
250	39D638/2	250	2
D18.01.03_36150	39D638/3	150	3
175	39D638/3	175	3
200	39D638/3	200	3
225	39D638/3	225	3
250	39D638/3	250	3
D18.01.04_36150	39D638/4	150	4
175	39D638/4	175	4
200	39D638/4	200	4
225	39D638/4	225	4
250	39D638/4	250	4
D18.01.05_36150	39D638/5	150	5
175	39D638/5	175	5
200	39D638/5	200	5
225	39D638/5	225	5
250	39D638/5	250	5



L Ölçüsü listede dışında özel üretim yapılır.



D18.02

Stoplama Bloğu
Stop Block

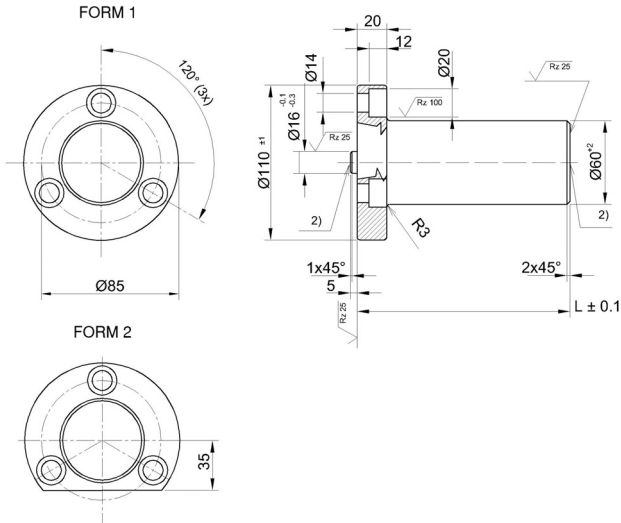
Malzeme - Material: Çelik - Steel



New

Sipariş Kodu	VW/AUDI CODE	d	L	Form
D18.02.01_60150	39D951/1	60	150	1
175	39D951/1	60	175	1
200	39D951/1	60	200	1
225	39D951/1	60	225	1
250	39D951/1	60	250	1
150	39D951/2	60	150	2
175	39D951/2	60	175	2
200	39D951/2	60	200	2
225	39D951/2	60	225	2
250	39D951/2	60	250	2

L Ölçüsü liste dışında özel üretim yapılır.



D18.03

Havalandırma Pimi
Air Pin Extension Stock

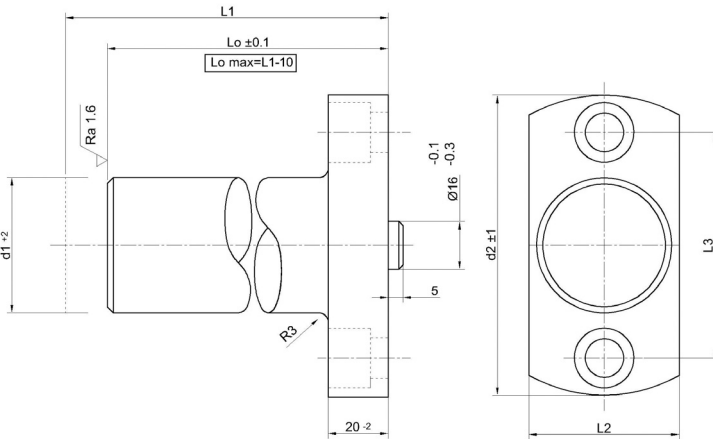
Malzeme - Material: Çelik - Steel



New

Sipariş Kodu	FORD CODE	d1	d2	L1	L2	L3
D18.03_36110		36	90	110	40	65
150				150		
160				160		
175	WDX17-70-0736175			175		
200				200		
225				225		
250	WDX17-70-0736250			250		
275				275		
300				300		
325				325		
340				340		
360	WDX17-70-0736360			360		
D18.03_45175	WDX17-70-0745175			45		
250	WDX17-70-0745250	250				
360	WDX17-70-0745360	360				

L Ölçüsü liste dışında özel üretim yapılır.



D18.04

Frenleyici
Retainer Bolt

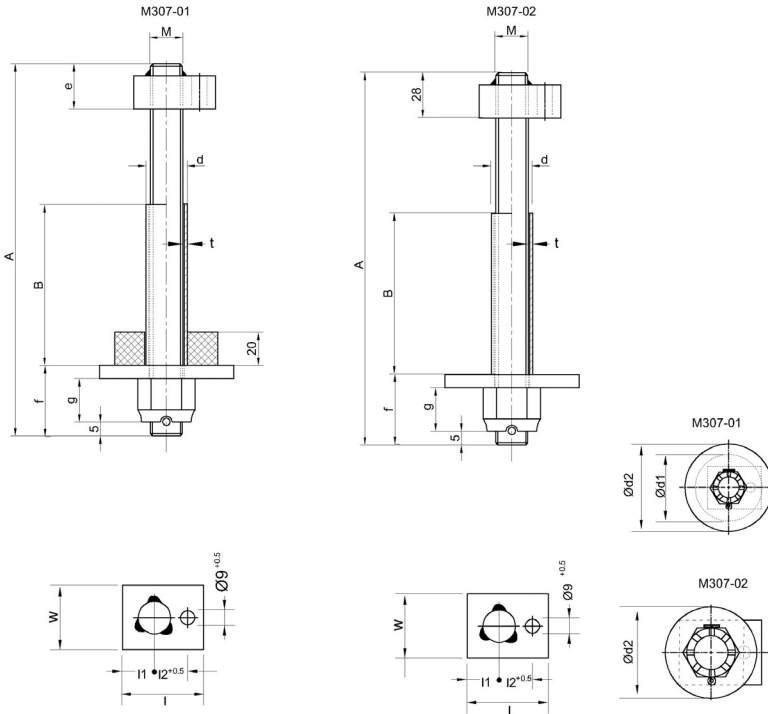
Malzeme - Material: Çelik + 92 Shore Poliüretan - Steel + 92 Shore Polyurethan



New

Sipariş Kodu	FORD CODE	KG	M	A	B	f	g	d	t	e	w	l	l1	l2	d1	d2
D18.04.01_16AAABBB	WDX14-60-0516	250	M16	?	?	30	19	22	2	28	35	50	20	20	50	65
20AAABBB	WDX14-60-0520	450	M20	?	?	35	22	25	2	28	40	50	20	20	63	82
24AAABBB	WDX14-60-0524	750	M24	?	?	42	27	30	2.5	28	45	50	20	20	80	105
30AAABBB	WDX14-60-0530	1250	M30	?	?	50	33	38	3.5	33	50	63	28	26	100	130

Sipariş Kodu	FORD CODE	KG	M	A	B	f	g	d	t	w	l	l1	l2	d2
D18.04.02_16AAABBB	WDX14-60-0616	1000	M16	?	?	30	19	22	2	35	50	20	20	40
20AAABBB	WDX14-60-0620	1400	M20	?	?	35	22	25	2	40	50	20	20	44



D19.04

Taşıma Mili / Lifting Pins

Malzeme - Material: Çelik - Steel Cf53



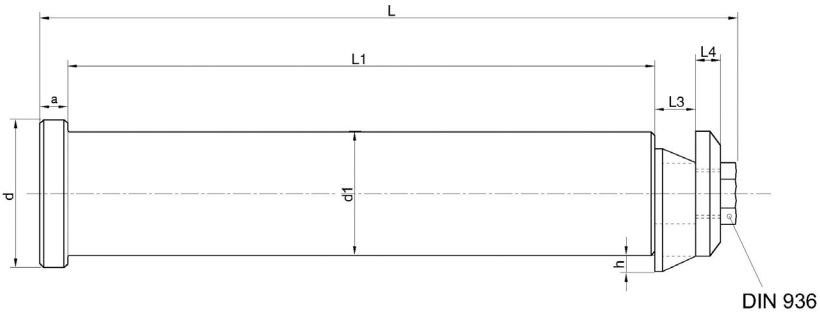
Sipariş Kodu	FIAT CODE	Max. Taşıma Kapasitesi	Max. Kalıp Ağırlığı	d	d1	L	a	L1	L3	L4	h
D19.04_29150	SOL_KG2000	2000 kg	4000 kg	38	29	178.5	6	150	9	6	4
D19.04_33170	SOL_KG3200	3200 kg	6400 kg	43	33	200.5	6	170	10	6	4
D19.04_43195	SOL_KG5000	5000 kg	10000 kg	53	43	233	8	195	12	8	6
D19.04_53180	SOL_KG8000_T	8000 kg	16000 kg	65	53	227	10	180	16	10	6
235	SOL_KG8000	8000 kg	16000 kg	65	53	282	10	235	16	10	7.5
D19.04_63215	SOL_KG13000_T	13000 kg	26000 kg	78	63	272.5	12	215	20	12	7.5
295	SOL_KG12000	12000 kg	24000 kg	78	63	352.5	12	295	20	12	8.5
D19.04_78355	SOL_KG13000	30000 kg	60000 kg	95	78	421.5	14	355	25	14	11

Dikkat!

Kalıp çevirme için kullanılırken yükleme sadece iki pim ile yapılmalıdır.

Warning!

In utilisation for turnover the load is supported from two pins only.



D19.50.01

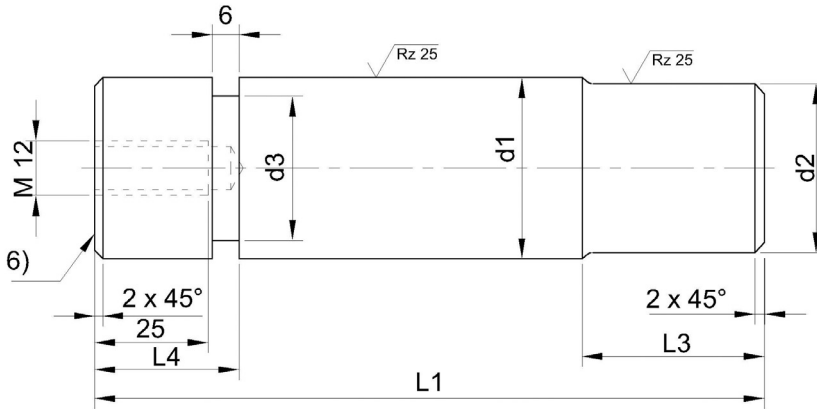
Emniyet Pimi
Pad Retainer Pin

Malzeme - Material: Çelik - Steel C153



New

Sipariş Kodu	BMW CODE	VW/AUDI CODE	d1 (e8)	d2 +0,05	d3 -1,0	L1	L3	L4	r 1) -0.5	Taşıma kapasitesi
D19.50.01_32105	B2 5702 11 2169033	39D854/1	32	29	24	105	25	22	4	500 kg
122	B2 5702 11 2169034	39D854/2				122				
D19.50.01_40139	B2 5702 11 2169035	39D854/3	40	37	32	139	32	32	5	750 kg
159	B2 5702 11 2169036	39D854/4				159				
D19.50.01_50167	B2 5702 11 2169037	39D854/5	50	47	42	167	40	32	6	1250 kg
192	B2 5702 11 2169038	39D854/6				192				
D19.50.01_63202	B2 5702 11 2169039	39D854/7	63	60	55	202	50	32	6	2500 kg
237	B2 5702 11 2169040	39D854/8				237				



D19.50.02

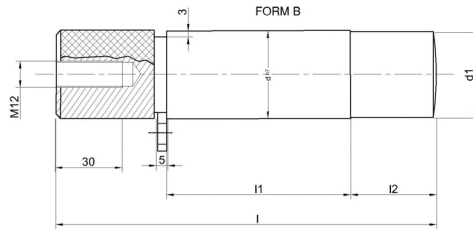
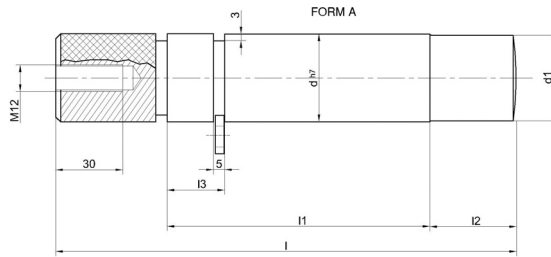
Emniyet Pimi
Pad Retainer Pin

Malzeme - Material: Çelik - Steel Cf53



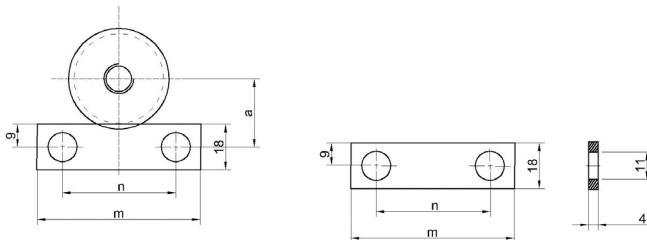
New

Sipariş Kodu	Form	d	l	d1	l1	l2	l3	a
D19.50.02_30155	A	30	155	29	87	33	19	22
40193	A	40	193	39	109	39	21	27
40229	A	50	229	49	131	43	23	32
40172	B	40	172	39	88	39	-	27
50206	B	50	206	49	108	43	-	32



Emniyet Pimi Tutucusu

Sipariş Kodu	d	m	n
D19.50.02.01	30	50	35
02	40	65	45
03	50	70	50



D51.01

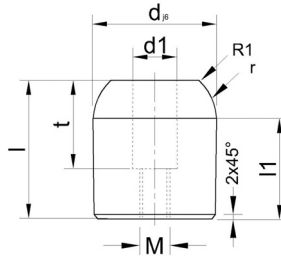
Merkezleme Pimi
Locating Pin

Malzeme - Material : Çelik - Steel 16MnCr5
Sertlik - Hardness : 58 - 62 Hrc



New

Sipariş Kodu	d	l	l1	d1	t	M	r
D51.01_2245	22	45	37.5	14	25	M10	20
3250	32	50	40	18	35	M12	20
4055	40	55	40	18	35	M12	20
5055	50	55	40	18	35	M12	20



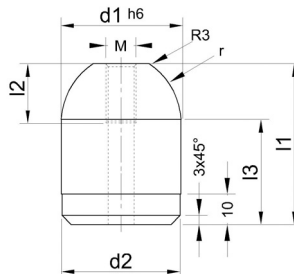
New

D51.02

Merkezleme Pimi
Locating Pin

Malzeme - Material : Çelik - Steel 16MnCr5
Sertlik - Hardness : 58 - 62 Hrc

Sipariş Kodu	VW/AUDI CODE	d1	l1	l2	l3	d2	M	r
D51.02_2245	39V1205/1	22	45	16	35	21.95	M8	15
2255	39V1205/2	22	55	16	45	21.95	M8	15
3250		32	50	20	35	31.95	M10	20
4055	39V1205/3	40	55	20	35	39.95	M10	25
4065	39V1205/4	40	65	20	45	39.95	M10	25
4085	39V1205/5	40	85	20	65	39.95	M10	25
5055		50	55	20	35	49.95	M10	25



D55.01

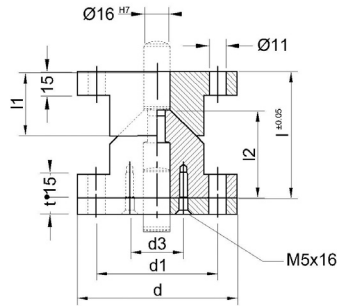
Konik Merkezleme
Locating Cone

Malzeme - Material : Çelik - Steel 16 MnCr5
Sertlik - Hardness : 60 - 64 Hrc
Ayar Plakası - Washer : Ck 45

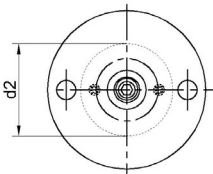


New

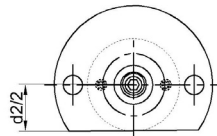
Sipariş Kodu	VW/AUDI CODE	d	l	d1	d2	d3	l1	l2	t	Form
D55.01_100005		100	80	76	58	40.5	40	55	5.5	A
120005		120	90	96	78	50.5	50	65	5.5	A
100105		100	80	76	58	40.5	40	55	5.5	B
120105		120	90	96	78	50.5	50	65	5.5	B
100205		100	80	76	58	40.5	40	55	5.5	C
120205		120	90	96	78	50.5	50	65	5.5	C
100010	39V1168/10	100	80	76	58	40.5	40	55	10	A
120010	39V1168/12	120	90	96	78	50.5	50	65	10	A
100110	39V1168/14	100	80	76	58	40.5	40	55	10	B
120110	39V1168/16	120	90	96	78	50.5	50	65	10	B
100210	39V1168/18	100	80	76	58	40.5	40	55	10	C
120210	39V1168/20	120	90	96	78	50.5	50	65	10	C



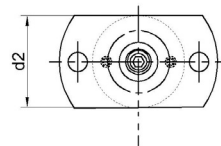
Form-A



Form-B



Form-C



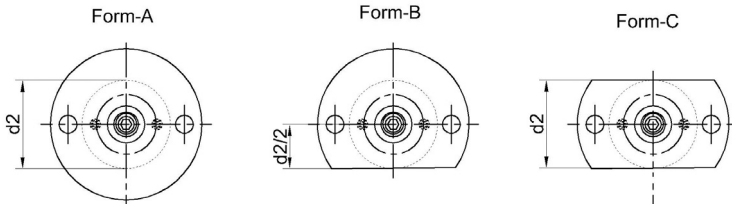
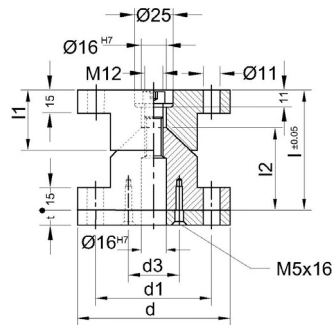
D55.02

Konik Merkezleme
Locating Cone

Malzeme - Material : Çelik - Steel 16 MnCr5
Sertlik - Hardness : 60 - 64 Hrc
Ayar Plakası - Washer : Ck 45



Sipariş Kodu	d	l	d1	d2	d3	l1	l2	t	Form
D55.02_100005	100	80	76	58	40.5	40	55	5.5	A
120005	120	90	96	78	50.5	50	65	5.5	A
100105	100	80	76	58	40.5	40	55	5.5	B
120105	120	90	96	78	50.5	50	65	5.5	B
100205	100	80	76	58	40.5	40	55	5.5	C
120205	120	90	96	78	50.5	50	65	5.5	C
100010	100	80	76	58	40.5	40	55	10	A
120010	120	90	96	78	50.5	50	65	10	A
100110	100	80	76	58	40.5	40	55	10	B
120110	120	90	96	78	50.5	50	65	10	B
100210	100	80	76	58	40.5	40	55	10	C
120210	120	90	96	78	50.5	50	65	10	C
100215	100	80	76	58	40.5	40	55	10.5	C
120215	120	90	96	78	50.5	50	65	10.5	C



D55.03

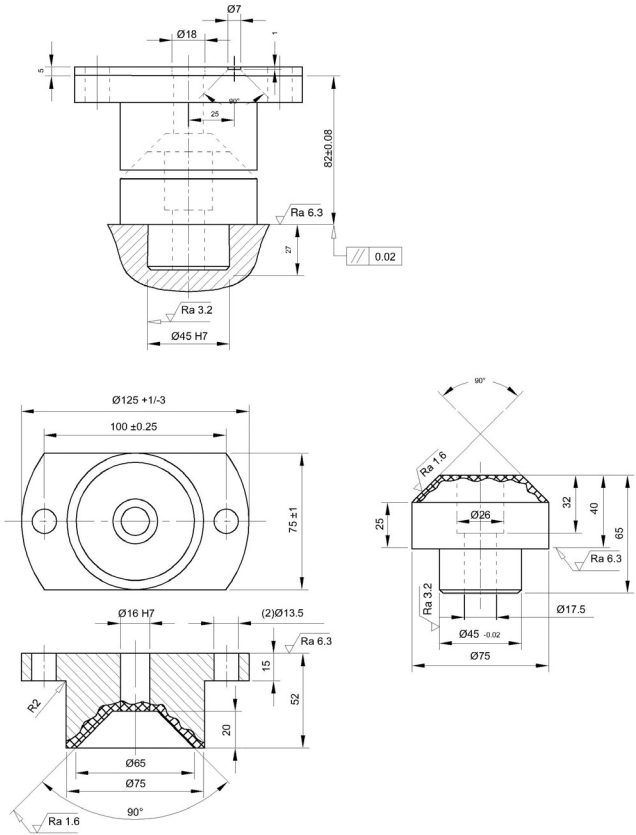
Konik Merkezleme
Locating Cone

Malzeme - Material : Çelik - Steel
Sertlik - Hardness : 54 - 58 Hrc



New

Sipariş Kodu	FORD CODE
D55.03_14620175	WDX14-62-0175



D55.04

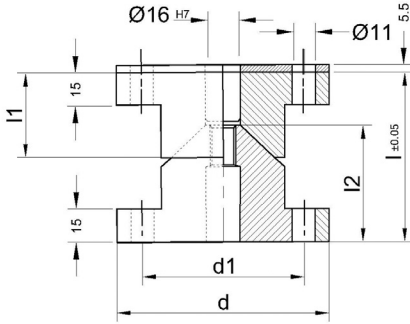
Konik Merkezleme
Locating Cone

Malzeme - Material : Çelik - Steel 16 MnCr5
Sertlik - Hardness : 60 - 64 Hrc
Ayar Plakası - Washer : Ck 45

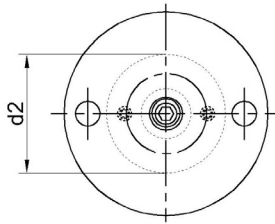


New

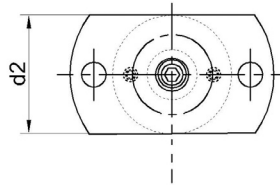
Sipariş Kodu	d	l	d1	d2	l1	l2	Form
D55.04_100005	100	80	76	58	40	55	A
120005	120	90	96	78	50	65	A
100205	100	80	76	58	40	55	B
120205	120	90	96	78	50	65	B



Form-A



Form-B



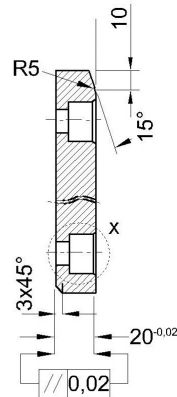
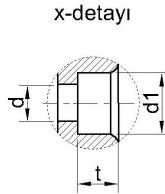
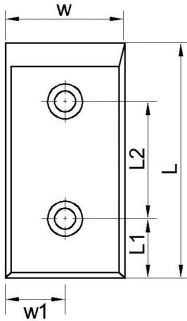
D80.16

Çelik Sürtünme Plakası
Sliding Pads

Malzeme - Material : Çelik - Steel
Sertlik - Hardness : 60 - 64 Hrc



Sipariş Kodu	VW/AUDI 39D863	FORD WDX 13-65	W	L	w1	L1	L2	d1	d	t	Civata			
D80.16_50080	62	WDX136501050100-X	50	80	25	25	30	15	9	9	M8x25			
100	63	WDX136501050125-X		100			50					20	13.5	13
125	64	WDX136501050160-X		125			75							
160	65	WDX136501050200-X		160			110							
200	66			200			150							
D80.16_80080	72	WDX136501080100-X	80	80	40	25	30	20	13.5	13	M12x25			
100	73	WDX136501080125-X		100			50							
125	74	WDX136501080160-X		125			75							
160	75	WDX136501080200-X		160			110							
200	76	WDX136501080250-X		200			150							
250		WDX136501080315-X		250			170					40		
315		WDX136501100100-X		315			235							
D80.16_100100	83	WDX136501100125-X	100	100	50	25	50	20	13.5	13				
125	84	WDX136501100160-X		125			75							
160	85	WDX136501100200-X		160			110							
200	86	WDX136501100250-X		200			150							
250		WDX136501100315-X		250			170					40		
315				315			235							



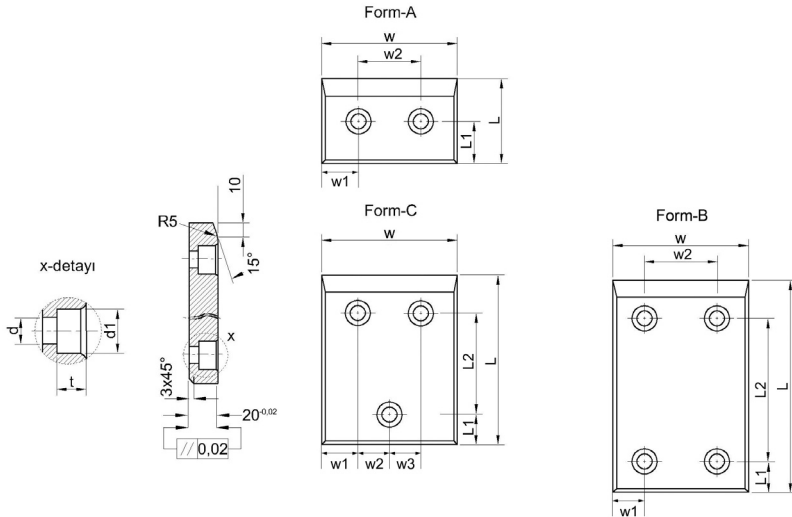
D80.16

Çelik Sürtünme Plakası
Sliding Pads

Malzeme - Material : Çelik - Steel
Sertlik - Hardness : 60 - 64 Hrc



Sipariş Kodu	VW/AUDI 39D863	FORD WDX	W	L	w1	w2	w3	L1	L2	d1	d	t	Form	Civata
D80.16_080050	71		80	50	25	30		25		15	9	9	A	M8x25
D80.16_100050	81	WDX136501100050-X	100	50	25	50		25		20	13.5	13	A	M12x25
080	82		100	80				40						
D80.16_125050	91		125	50	25	75		25		20	13.5	13	A	
080	92		125	80				40						
100	93	WDX136501125100-X	125	100		37.5	37.5	25	50				C	
125	94	WDX136501125125-X	125	125					75					
160	95	WDX136501125160-X	125	160					110					
200	96	WDX136501125200-X	125	200					150					
250		WDX136501125250-X	125	250				40	170					
315		WDX136501125315-X	125	315					235					
D80.16_160050	101		160	50	25	110		25		20	13.5	13	A	M12x25
080	102		160	80				40						
100	103	WDX136501160100-X	160	100		55	55	25	50				C	
125	104	WDX136501160125-X	160	125					75					
160	105	WDX136501160160-X	160	160					110					
200	106	WDX136501160200-X	160	200					150					
250			160	250		110		40	170				B	
315			160	315					235					
250.01		WDX136501160250-X	160	250		55	55		170				C	
315.01		WDX136501160315-X	160	315					235					



D91.01

Kama
Metric Master Key

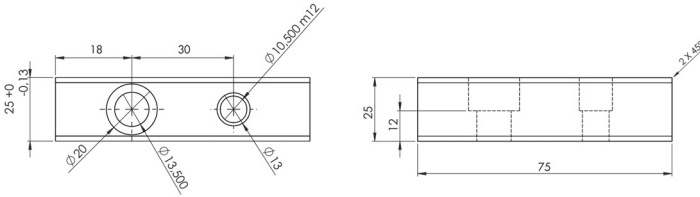
Malzeme - Material: Çelik - Steel



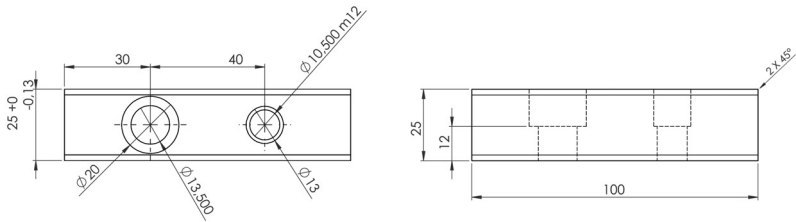
New

Sipariş Kodu	FORD CODE
D91.01_25075	WDX30-80-06075
100	WDX30-80-06100
150	WDX30-80-060150

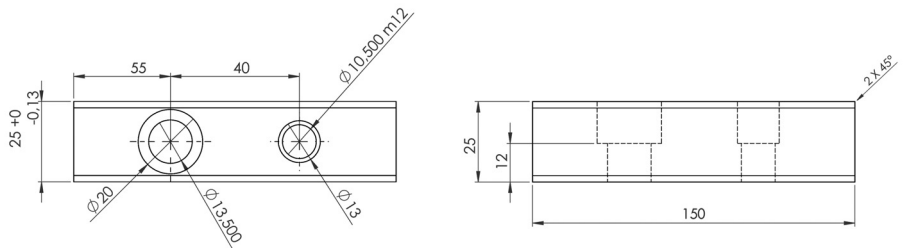
D91.01_25075



D91.01_25100



D91.01_25150



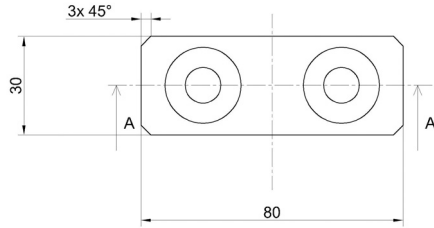
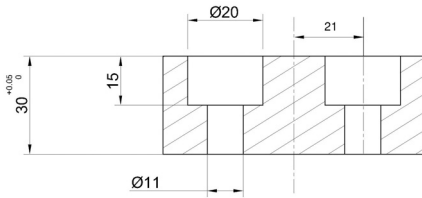
D91.02

Stoplama Bloğu
Balance Stock

Malzeme - Material : CK 45



Sipariş Kodu	TOFAŞ CODE
D91.02_3080	TKS SMS 080 030 01



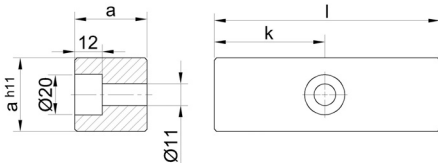
D91.03

Kama
Standard Key Square

Malzeme - Material : CK 45



Sipariş Kodu	FIAT CODE	a	l	k
D91.03_25080	CH_R_025080	25	80	40
125	CH_R_025125	25	125	62.5
D91.03_30080	CH_R_030080	30	80	40
125	CH_R_030125	30	125	62.5



D91.04

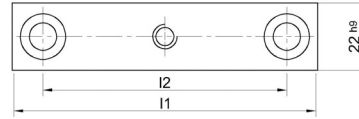
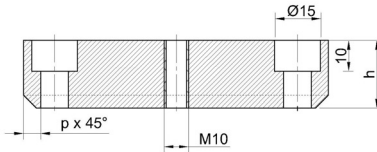
Kama
Standard Key Square

Malzeme - Material : CK 45



New

Sipariş Kodu	VW/AUDI CODE	l1	l2	h	p
D91.04_14050	39V1304/1	50	32	14	-
080	39V1304/2	80	50	14	-
100	39V1304/3	100	80	14	-
125	39V1304/4	125	100	14	-
D91.04_22050	39V1304/7	50	32	22	4
080	39V1304/8	80	50	22	4
100	39V1304/9	100	80	22	4
125	39V1304/10	125	100	22	4
D91.04_40050	39V1304/11	50	32	40	4
080	39V1304/12	80	50	40	4
100	39V1304/13	100	80	40	4
125	39V1304/14	125	100	40	4



D91.05

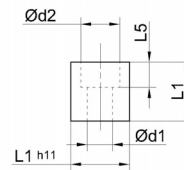
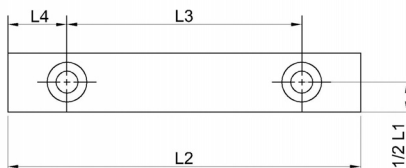
Kama
Standard Key Square

Malzeme - Material : Çelik - Steel



New

Sipariş Kodu	FORD CODE	Size L1	L2	L3	L4	L5	d1	d2	Number of Holes
D91.05_25125	WDX30-60-0125125	25	125	-	62.5	11	11	18	1
180	WDX30-60-0125180		180	130	25				2
D91.05_30125	WDX30-60-0130125	30	125	-	62.5	13	13	20	1
180	WDX30-60-0130180		180	120	30				2



Teknik Bilgiler

Neden Kaymalı Sistemlerde Kolonlar için Cf 53 (1.1213) malzeme kullanıyoruz ?

- Karbon miktarı yüksektir. Dolayısıyla ısı işlem esnasında yüksek sertliklere kolaylıkla ulaşabilir.
- Çekme kopma mukavemeti yüksektir. Darbeye daha dayanıklıdır.
- Sürtünmelere karşı yüksek aşınma dayanımı vardır.

İndüksiyon Derinlikleri

Piyasada indüksiyon derinliğinin fazla olması ile kolonun daha dayanımlı olacağı konusunda büyük bir yanılgı vardır. Tam tersine indüksiyon derinliği ne kadar dengeli olursa kırılma direncine karşı dayanım o kadar çok olur. Yılların verdiği tecrübe ve araştırmalarımız sonucunda elde ettiğimiz değerlere göre kolonlarımızda aşağıdaki çizelgede gösterilen indüksiyon derinliklerini uygulamaktayız.

Ø Çap	Derinlik mm
12 - 14	1,0 - 1,5
16 - 20	1,2 - 2,0
25 - 30	1,5 - 2,5
40 - 50	1,8 - 2,8
63 - 80	2 - 3

D70 - D71 Yeni Döküm Bloklarımız

Sac kesme ve form kalıplarının sökölüp takılma süresini azaltır. Kalıp üzerinde kolon ve burç delikleri açılmayacağından kalıbın yapım süresini kısaltarak işçilik maliyetlerini düşürür. Alt ve üst döküm blokların içine geçirilmiş burç ve pim takımından oluşur. Çelik geçme, bronz geçme, bilyalı ve sadece döküm gövdeden oluşan çeşitleri vardır.

Yeni Konik Kilitleme

Çift taraflı bağlama özelliğinden dolayı daha hızlı montaj ve daha hassas ayar imkanı sağlamaktadır.

Yeni Sinterli Burçlar

D32 - D33 kesme ve form kalıplarında merkezleme elemanı olarak kullanılır. Çalışmaya başlarken bir defa yağlanır, sonrasında yağlamaya ihtiyaç yoktur. İçerisindeki grafit özelliğinden dolayı kaygan bir yüzey oluşturur. Sarma riski yoktur.

Bilyalı Sistemlerin Kullanım Alanları ve Uyarılar

- Erkek ve dişinin arasındaki kesme boşluğunun az olduğu hassas kalıplarda
- Dakikada baskı adedinin 200'ün üzerine çıktığı yerlerde
- Kesilen malzemenin 0,5 mm kalınlığının altına düştüğü durumlarda
- Enjeksiyon kalıplarının itici plakalarında kullanılır.

Bilyalı sistemler kullanılırken dikkat edilmesi gereken en önemli husus; kullanılan bilyaların toleransların çok dar olması gerekmektedir. Çünkü bilyalarda değişen her ölçü kolon ve burç çalışma toleransındaki hatayı ikiye katlar. Biz bilyalarımızın tamamını +0,001 mm toleransında ithal ediyoruz. Dolayısıyla farklı bir bilya kafesinin bizim kolon ve burçlarımızla sağlıklı çalışmadığı yapılan testler neticesinde tespit edilmiştir.

Kullandığımız Toleranslar Neye Göre Belirlenir?

Ürünlerimiz toleransları ve çalışma boşlukları DIN 7161'e göre belirlenmiştir. Fakat bu toleranslardaki değerler bazı ölçülerde bizi tatmin etmediği için daraltılmıştır. Kataloğumuzdaki görünen bu değerler DIN 7161'in tecrübelerimizle daraltılmış halleridir.

Yüzey Pürüzlülüğünün Önemi

Yüzey pürüzlüğü birbirleriyle çalışan parçalar açısından en önemli konulardan birisidir. Bir örnek verecek olursak; bozuk yolda ilerleyen bir araba ile düzgün yolda ilerleyen arabanın ilerlemesi arasındaki fark gibi... Biz ürünlerimizin uzun ömürlü ve aşınmaya karşı maksimum dayanımlı olması için yüzey pürüzlüğüne çok önem veriyoruz. Kolonların çalışma yüzeylerindeki pürüzlüğü Rz 1,5 ve altı, diğer yüzeylerde ise Rz 3 olarak standartlaştırdık. Unutulmamalıdır ki düşük değerdeki yüzey pürüzlüğü ürünün ömrünü uzatır, korozyona karşı dayanımını artırır ve sürtünmenin çok düşük seviyelere inmesiyle mükemmel çalışma şartı sağlar.

Kullanıcılara Tavsiyeler

Dikkat edilmesi gereken en önemli konulardan biri de kolon ve burçların yerlerine montajdır. Kesinlikle montaj esnasında **sıkı çakma** yapılmamalıdır. Bu hem kolon ve burçlarda hasar meydana getirir, hem de taşlanmış oturma yüzeyleri bozulacağı için diklik elde etmek çok güçleşir. Kolon ve burçlar uygun toleranslarda yerlerine takılıp **bağlama papuçları** vasıtasıyla sabitlenmelidir. Bu şekilde bağlama doğrusalığın ve dikliğinin sağlanabilmesi ve malzemelerin uzun ömürlü olabilmesi için en doğru yöntemdir.

Piyasada sıkça yapılan hatalardan birisi de yağ kanalı olmayan 2 ürünün bir arada kullanılmasıdır. Kullanılan ürünlerin bir tanesinde kesinlikle yağ kanalı olmalıdır. Aksi takdirde yüzeyde yağ filmi oluşmadığı için kısa sürede ısınmalar meydana gelmekte ve birbirlerini sarmaya başlayacaklardır.

Kolon ve burçlar satın alınırken her ikisinin de aynı marka olmasına azami dikkat gösterilmelidir. Çünkü farklı kolon ve burçlarda farklı taşıma toleransları olabileceğinden hem montaj hem de kullanım esnasında büyük problemler yaşanabilir.

DİKKAT

- DELTA, kataloğundaki ürün çeşit ve toleranslarında değişiklik yapma hakkını saklı tutar.
- Ürünlerimizin ambalaj ömrü yaklaşık 2 yıldır.
- DELTA ürünlerin tüm çeşitleri ömür testine tabi tutulmaktadır.
- Kataloğdaki çizim ve grafikler DELTA'ya aittir, izinsiz çoğaltılamaz.

Kod	Ürün / Product	No	Kod	Ürün / Product	No
D00	Kolon / Guide Pillar	38-39	D100.01_00250	Gazlı Yay / Gas Springs	82
D01	Kolon / Guide Pillar	26-28	D100.01_00500	Gazlı Yay / Gas Springs	84
D01D	Kolon / Guide Pillar	30-32	D100.01_00750	Gazlı Yay / Gas Springs	86
D02	Kademeli Kolon / Guide Pillar	2-11	D100.01_01500	Gazlı Yay / Gas Springs	88
D03	Kuyruklu Kolon / Tailed Guide Pillar	14-21	D100.01_03000	Gazlı Yay / Gas Springs	90
D05	Kolon / Guide Pillar	40-41	D100.01_05000	Gazlı Yay / Gas Springs	92
D08	Kolon / Guide Pillar	33	D100.02_00320	Gazlı Yay / Gas Springs	94
D09	Kolon / Guide Pillar	34	D100.02_00350	Gazlı Yay / Gas Springs	95
D10	Kolon / Guide Pillar	42	D100.02_00500	Gazlı Yay / Gas Springs	96
D11	Kolon / Guide Pillar	43	D100.02_00750	Gazlı Yay / Gas Springs	97
D12	Kolon / Guide Pillar AFNOR	44	D100.02_01000	Gazlı Yay / Gas Springs	99
D12.01	Kolon Tutucu Flanş / Clamping Flange AFNOR	129	D100.02_01500	Gazlı Yay / Gas Springs	101
D12.02	Tutucu Halka / Retaining Ring AFNOR	130	D100.02_02400	Gazlı Yay / Gas Springs	103
D13.01	Kolon / Guide Pillar	45	D100.02_04200	Gazlı Yay / Gas Springs	105
D13.02	Kolon / Guide Pillar	46	D100.02_06600	Gazlı Yay / Gas Springs	107
D14	Kolon / Guide Pillar	47-48	D100.50.01_00250	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	83
D15	Kolon / Guide Pillar	49-50	D100.50.01_00500	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	85-98
D19.01	Taşma Mili / Lifting Pins	125	D100.50.01_00750	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	87-100
D19.02	Taşma Mili / Lifting Pins	126	D100.50.01_01000	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	102
D19.03	Taşma Mili / Lifting Pins	127	D100.50.01_01500	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	89-104
D19.50	Emniyet Mili / Pad Retainer Pin	128	D100.50.01_03000	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	91-106
D20	Burç / Guide Bush	12-13	D100.50.01_05000	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	93-108
D21	Kuyruklu Burç / Tailed Guide Bush	22-23	D100.50.02_00250	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	83
D22	Flanşlı Burç / Middle Flanged Bush	29	D100.50.02_00500	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	85-98
D22B	Bilyalı Burç / Guide Bush with Ball Cage	35	D100.50.02_00750	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	87-100
D23	Burç / Guide Bush	51	D100.50.02_01500	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	89-104
D24	Burç / Guide Bush	52	D100.50.02_03000	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	91-106
D25	Bronzlu Burç / Guide Bush with Bronze	53	D100.50.02_05000	Gazlı Yay Bağla. Pabuçu / Gas Springs Mounting Clamp	93-108
D26	Bronzlu Burç / Guide Bush with Bronze	54			
D27	Burç / Guide Bush	57			
D28	Burç / Guide Bush	58			
D30.01	Grafitti Burç / Oilless Guide Bush	63			
D30.02	Grafitti Burç / Oilless Guide Bush	64	D17.01 Stoplama Bloğu / Stop Block		134
D30.03	Grafitti Burç / Oilless Guide Bush AFNOR	65	D17.02 Stoplama Bloğu / Stop Block		135
D30.03.01	Burç Tutucu Flanş / Retaining Flange AFNOR	131	D18.01 Havalandırma Pimi / Air Pin		136
D30.04	Grafitti Burç / Oilless Guide Bush	66-68	D18.02 Havalandırma Pimi / Air Pin		137
D30.05	Grafitti Burç / Oilless Guide Bush	69-70	D18.03 Havalandırma Pimi / Air Pin Extension Stock		138
D30.06	Grafitti Burç / Oilless Guide Bush	71	D18.04 Frenleyici / Retainer Bolts		139
D32	Sinterli Burç / Guide Bush with Sintered	55	D19.04 Taşma Mili / Lifting Pins		140
D33	Sinterli Burç / Guide Bush with Sintered	56	D19.50.01 Emniyet Pimi / Pad Retainer Pin		141
D40	Tespit Burcu / Centring Sleeves	24-25	D19.50.02 Emniyet Pimi / Pad Retainer Pin		142
D50	Konik Kilitleme / Locating Unit	36	D51.01 Merkezleme Pimi / Locating Pin		143
D60	Bilyalı Kafes / Ball Cage	59-61	D55.01 Konik Merkezleme / Locating Cone		144
D60.01	Bilyalı Kafes Tutucusu / Helical Spring For Ball Cage Retention	62	D55.02 Konik Merkezleme / Locating Cone		145
D70.01	Döküm Blok / Guide Bearing	109	D55.03 Konik Merkezleme / Locating Cone		146
D70.011	Döküm Set / Guide Bearing Set	115	D55.04 Konik Merkezleme / Locating Cone		147
D70.02	Bronzlu Döküm Blok / Guide Bearing with Bronze	110	D80.16 Çelik Sürtünme Plakası / Sliding Pads		148-149
D70.021	Bronzlu Döküm Set / Guide Bearing Set with Bronze	116	D91.01 Metrik Kama / Metric Master Key		150
D70.03	Çelik Kaymalı Döküm Blok / Guide Bearing with Steel	111	D91.02 Stoplama Bloğu / Balance Stock		151
D70.031	Çelik Kaymalı Döküm Set / Guide Bearing Set with Steel	117	D91.03 Kama / Standart Key Square		151
D70.04	Bilyalı Döküm Blok / Guide Bearing with Ball Cage	112	D91.04 Kama / Standart Key Square		152
D70.041	Bilyalı Döküm Set / Guide Bearing Set with Ball Cage	118	D91.05 Kama / Standart Key Square		152
D70.05	Grafitti Döküm Blok / Guide Bearing Non-Lubricant	113			
D70.051	Grafitti Döküm Set / Guide Bearing Set Non-Lubricant	119			
D70.10	Kolon Sabitleme Bloğu / Pillar Bearing	114			
D71.02	Bronzlu Döküm Blok / Guide Bearing with Bronze	120			
D71.021	Bronzlu Döküm Set / Guide Bearing Set with Bronze	123			
D71.05	Grafitti Döküm Blok / Guide Bearing Non-Lubricant	121			
D71.051	Grafitti Döküm Set / Guide Bearing Set Non-Lubricant	124			
D71.10	Kolon Sabitleme Bloğu / Pillar Bearing	122			
D80.01	Grafitti Sürtünme Plakası / Wear Plate with Graphite Insert	72			
D80.02	Grafitti Sürtünme Plakası / Wear Plate with Graphite Insert	73			
D80.03	Grafitti Sürtünme Plakası / Wear Plate with Graphite Insert	74-75			
D80.04	Grafitti Sürtünme Plakası / Wear Plate with Graphite Insert	76			
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