

Strok Hesabı / Stroke Calculation

Teleskopik silindirlerin kasadaki yükü en verimli şekilde boşaltabilmeleri için, silindir tam açık seviyede kasa ve şase arasındaki tavsiye edilen minimum açı 42°, maksimum açı 55° dir.

Yükün Boşalması için gerekli silindir strokunu hesaplama formülü

Formül doğrultusunda kasa boyuna göre olması gereken strok veya strok yüksekliğine göre kasa boyunun olması gereken değerleri tablolarda belirtilmiştir.

H = Gerekli Strok

S = Kasa ve silindir arasındaki montaj açısı değeri

R = Kasa pimi ve silindir pimi arasındaki mesafe (mm)

$$\text{Gerekli strok} = H = S \times R$$

Recommended minimum angle is 42°, maximum angle is 55° when the cylinder is totally open between chassis and body, when the cylinders all stages are totally open. This values are recommended so as to empty the load with maximum efficiency.

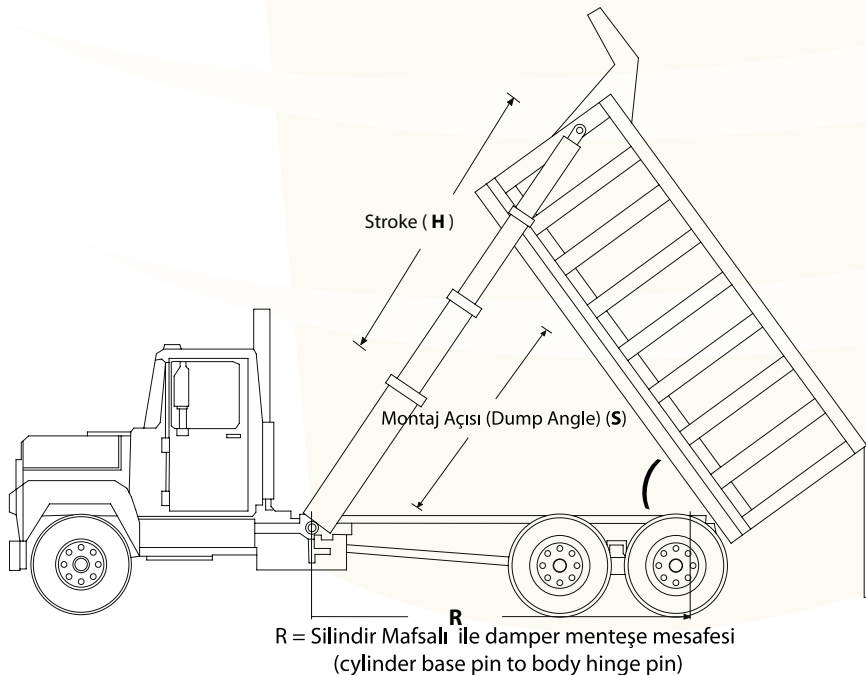
Stroke calculation formula for emptying the load the recommended values of body are indicated on the table. Shown on the table, you can see the stroke and stroke length according to the body length of the truck.

H = Required Stroke

S = The angle between body and cylinder

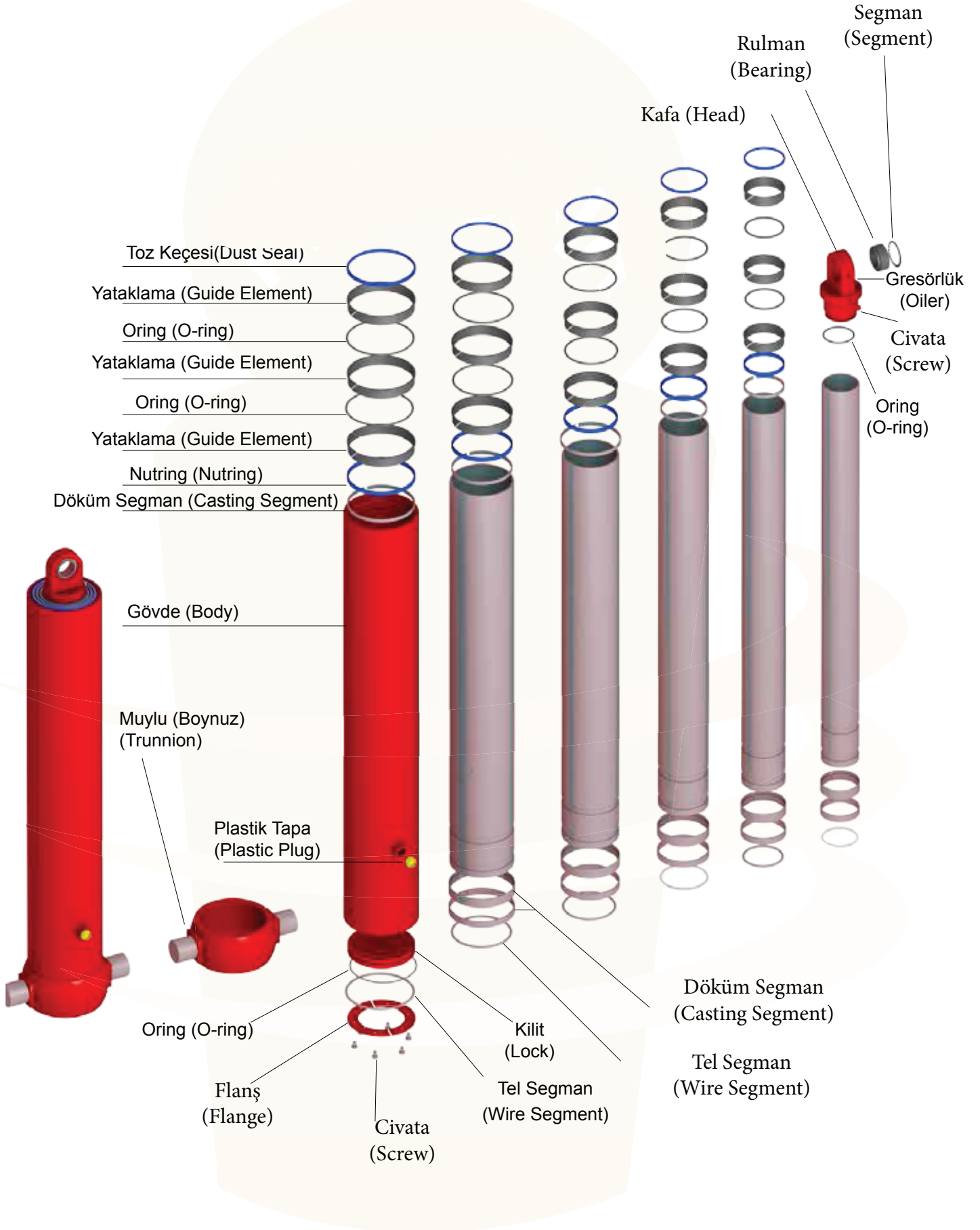
R = Distance between the body hinge pin and cylinder base (mm)

$$\text{Required stroke} = H = S \times R$$



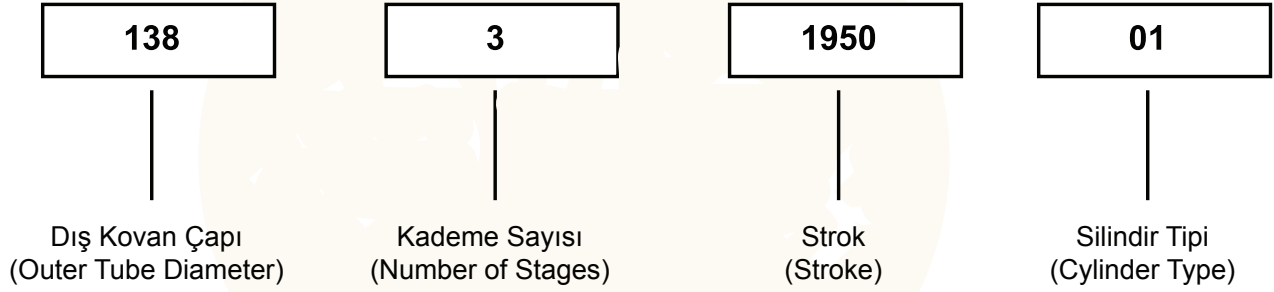
S değerini bulma (Getting S Value)	
Montaj Açısı (Assembly Angle)	S
40	0,684
41	0,7004
42	0,7168
43	0,733
44	0,7492
45	0,7652
46	0,7814
47	0,7974
48	0,8134
49	0,8292
50	0,8452
51	0,861
52	0,8768
53	0,8922
54	0,908
55	0,9234

ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

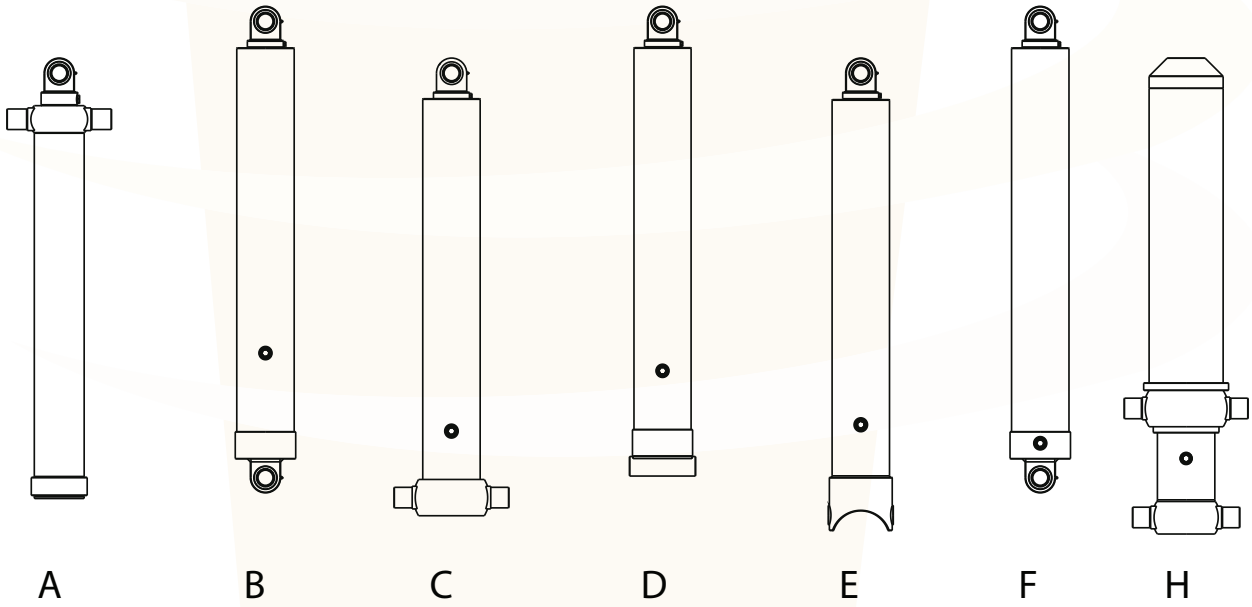


ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

Ürün Kodlama Sistemi Product Coding System

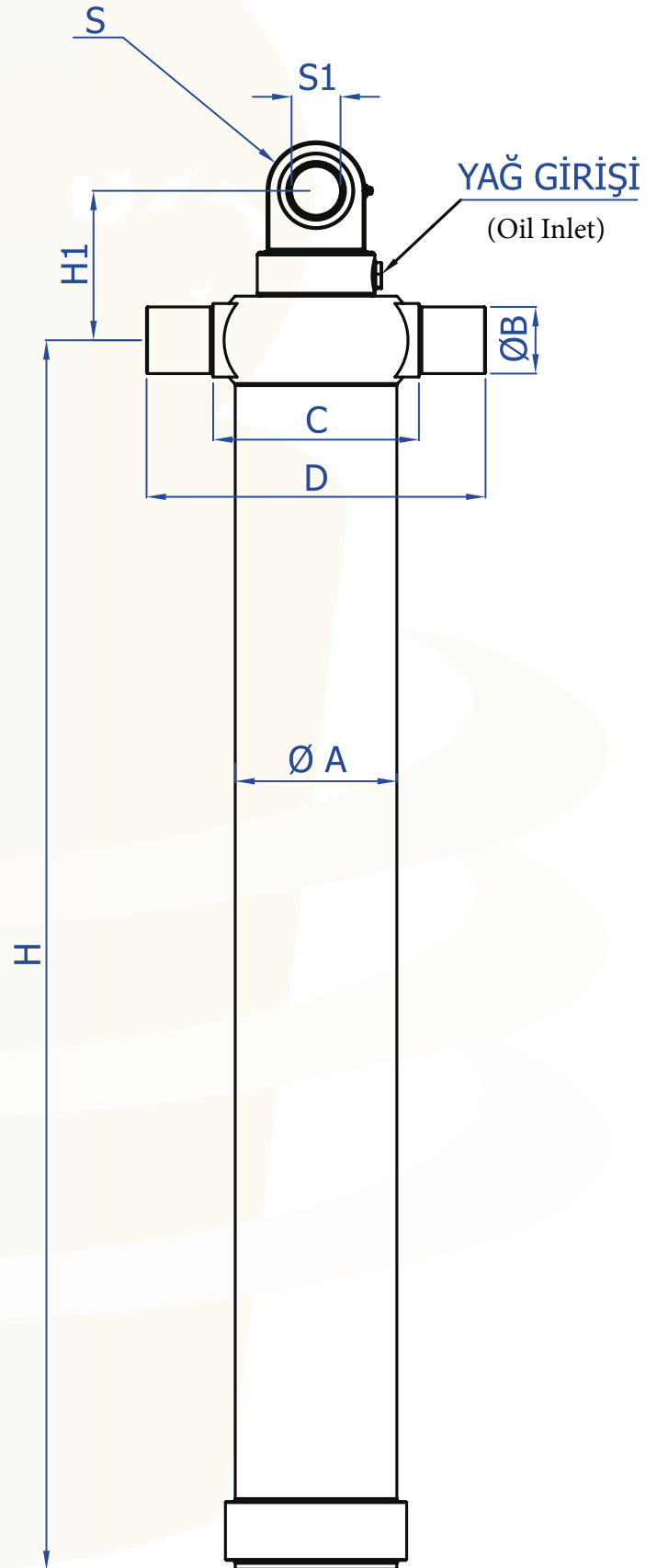
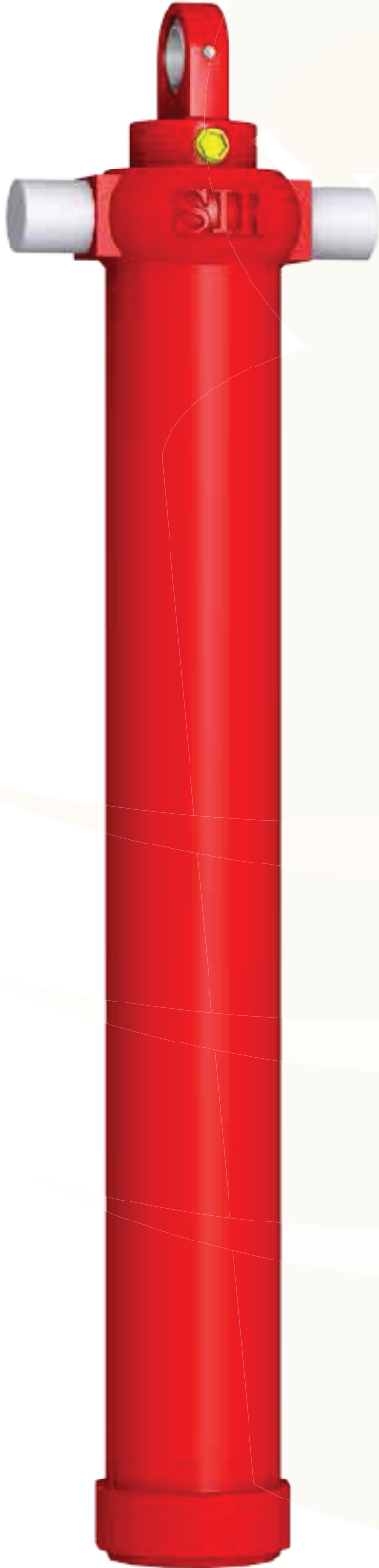


A	01
B	02
C	03
D	04
E	05
F	06
H	07
K	09
L	10
M	11
N	12
P	13



A TİPİ

A TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

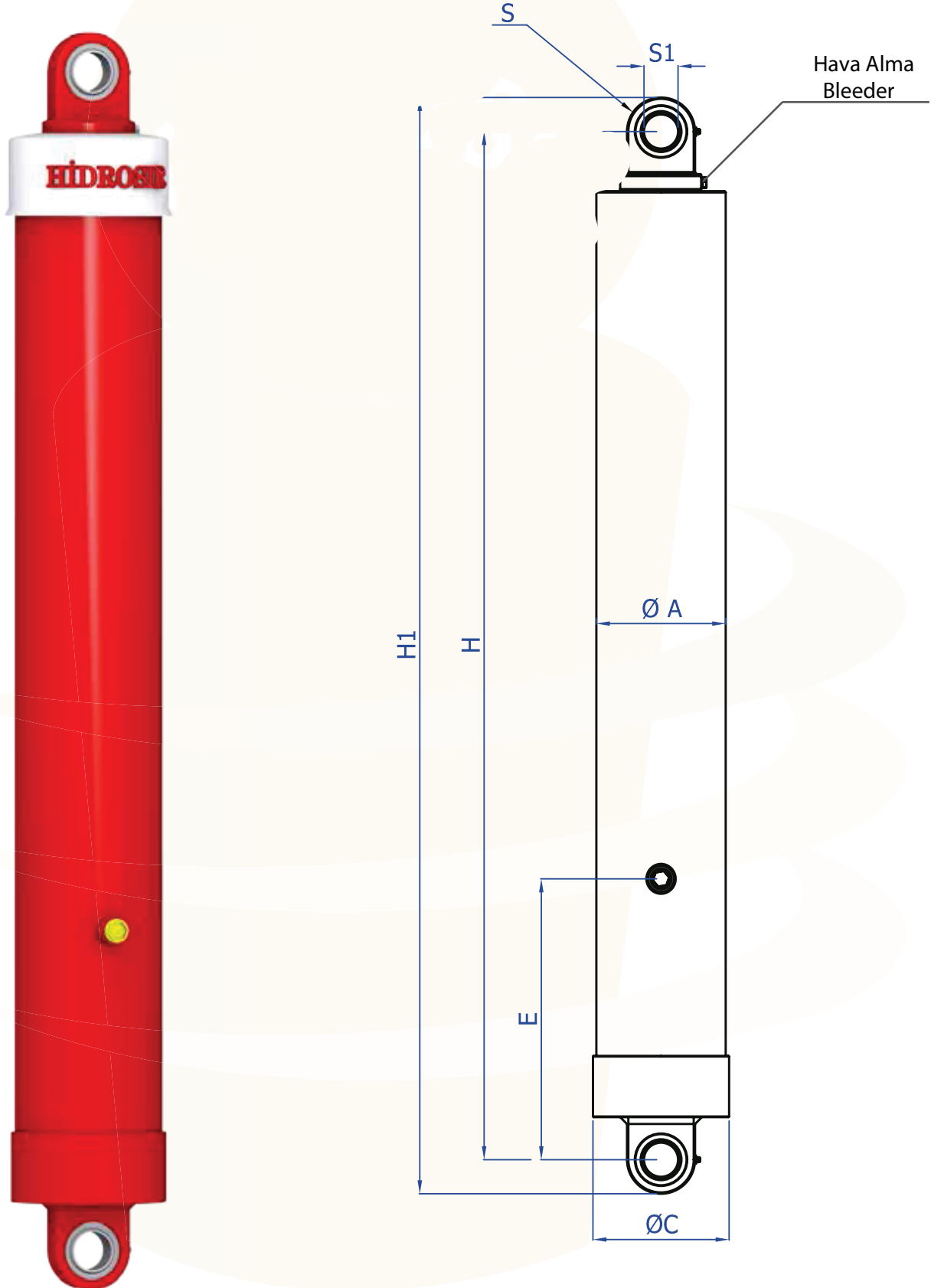
A TİPİ

A TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	H	H1	S	S1	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195001	138-3-1950 A	138	55	180	280	790	180	40	50	6	R3/4"	24	85
1383225001	138-3-2250 A	138	55	180	280	890	180	40	50	6	R3/4"	26	93
1383255001	138-3-2550 A	138	55	180	280	990	180	40	50	6	R3/4"	29	100
1383300001	138-3-3000 A	138	55	180	280	1140	180	40	50	12	R3/4"	31	111
1383315001	138-3-3150 A	138	55	180	280	1290	180	40	50	12	R3/4"	35	123
1653195001	165-3-1950 A	165	68	210	330	780	180	40	50	13-15	R3/4"	33	113
1653225001	165-3-2250 A	165	68	210	330	880	180	40	50	13-15	R3/4"	36	123
1653255001	165-3-2550 A	165	68	210	330	980	180	40	50	13-15	R3/4"	41	134
1653300001	165-3-3000 A	165	68	210	330	1130	180	40	50	13-15	R3/4"	48	147
1653315001	165-3-3150 A	165	68	210	330	1280	180	40	50	13-15	R3/4"	54	162
1654260001	165-4-2600 A	165	68	210	330	780	180	40	50	13-15	R3/4"	33	125
1654300001	165-4-3000 A	165	68	210	330	880	180	40	50	13-15	R3/4"	38	136
1654340001	165-4-3400 A	165	68	210	330	980	180	40	50	13-15	R3/4"	44	148
1654400001	165-4-4000 A	165	68	210	330	1130	180	40	50	13-15	R3/4"	51	164
1654420001	165-4-4200 A	165	68	210	330	1280	180	40	50	13-15	R3/4"	58	184
1903300001	190-3-3000 A	190	68	235	355	1120	205	40	50	10-12	R3/4"	80	165
1903315001	190-3-3150 A	190	68	235	355	1270	205	40	50	10-12	R3/4"	68	192
1903345001	190-3-3450 A	190	68	235	355	1370	205	40	50	13-15	R3/4"	75	211
1903375001	190-3-3750 A	190	68	235	355	1470	205	40	50	13-15	R3/4"	83	224
1903405001	190-3-4050 A	190	68	235	355	1570	205	40	50	13-15	R3/4"	89	236
1904345001	190-4-3450 A	190	68	235	355	970	205	40	50	13-15	R3/4"	95	248
1904400001	190-4-4000 A	190	68	235	355	1120	205	40	50	13-15	R3/4"	74	252
1904420001	190-4-4200 A	190	68	235	355	1270	205	40	50	16-20	R3/4"	84	233
1904460001	190-4-4600 A	190	68	235	355	1370	205	40	50	16-20	R3/4"	90	254
1904500001	190-4-5000 A	190	68	235	355	1470	205	40	50	16-20	R3/4"	97	275
1904540001	190-4-5400 A	190	68	235	355	1570	205	40	50	16-20	R3/4"	103	294
1905425001	190-5-4250 A	190	68	235	355	970	205	40	50	16-20	R3/4"	67	206
1905500001	190-5-5000 A	190	68	235	355	1120	205	40	50	16-20	R3/4"	77	229
1905525001	190-5-5250 A	190	68	235	355	1270	205	40	50	16-20	R3/4"	87	253
1905575001	190-5-5750 A	190	68	235	355	1370	205	40	50	16-20	R3/4"	94	268
1905625001	190-5-6250 A	190	68	235	355	1470	205	40	50	16-20	R3/4"	101	284
1905675001	190-5-6750 A	190	68	235	355	1570	205	40	50	16-20	R3/4"	108	300

B TİPİ

B TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

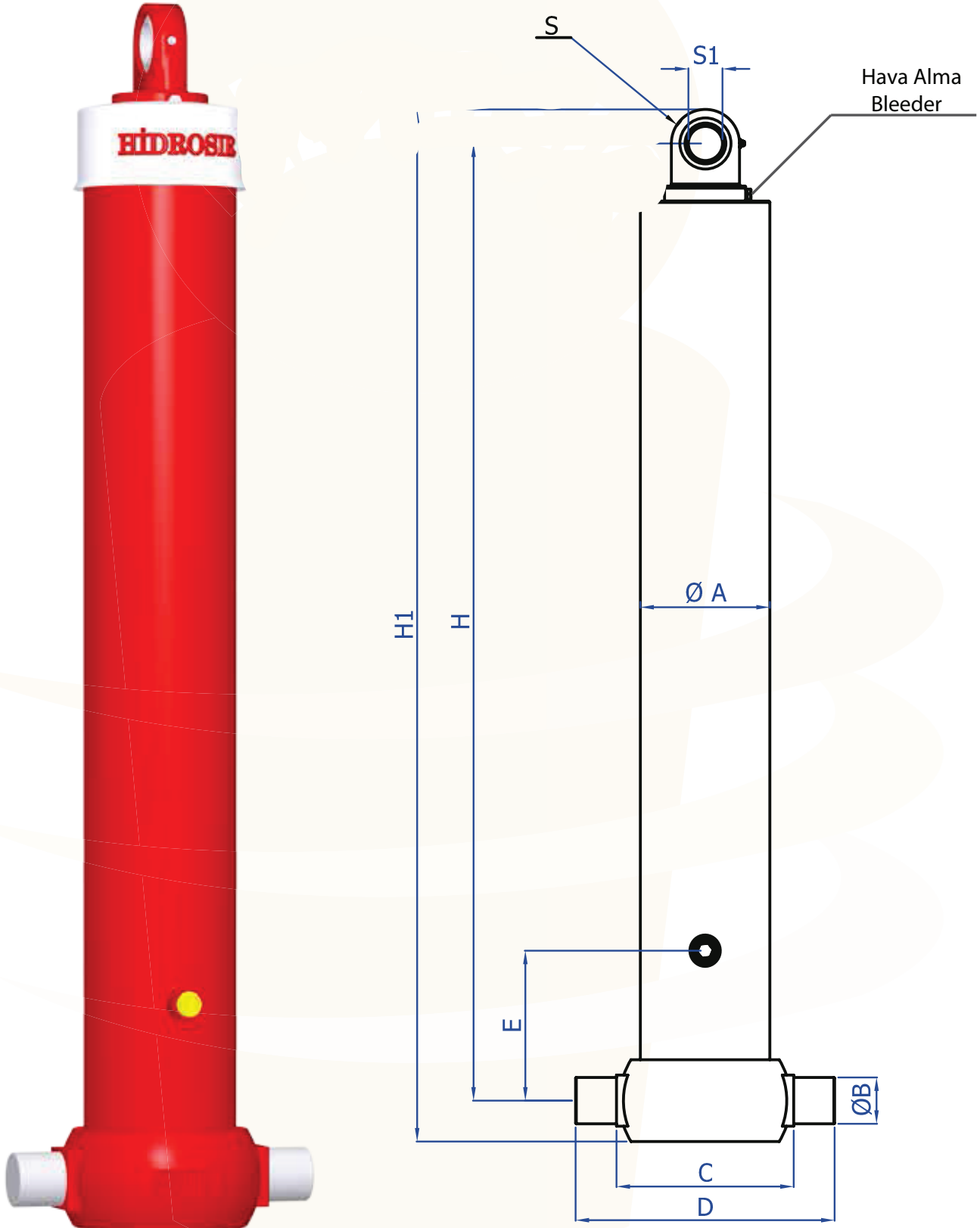
B TİPİ

B TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	ØA	H	H1	ØC	S	S1	E	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195002	138-3-1950 B	138	1050	1130	165	40	50	280	6	R3/4"	24	86
1383225002	138-3-2250 B	138	1150	1230	165	40	50	280	6	R3/4"	26	94
1383255002	138-3-2550 B	138	1250	1330	165	40	50	280	6	R3/4"	29	101
1383300002	138-3-3000 B	138	1400	1480	165	40	50	280	12	R3/4"	31	112
1383315002	138-3-3150 B	138	1550	1630	165	40	50	280	12	R3/4"	35	124
1653195002	165-3-1950 B	165	1050	1130	195	40	50	280	13-15	R3/4"	33	114
1653225002	165-3-2250 B	165	1150	1230	195	40	50	280	13-15	R3/4"	36	124
1653255002	165-3-2550 B	165	1250	1330	195	40	50	280	13-15	R3/4"	41	135
1653300002	165-3-3000 B	165	1400	1480	195	40	50	280	13-15	R3/4"	48	148
1653315002	165-3-3150 B	165	1550	1630	195	40	50	280	13-15	R3/4"	54	163
1654260002	165-4-2600 B	165	1050	1140	195	40	50	280	13-15	R3/4"	33	126
1654300002	165-4-3000 B	165	1150	1240	195	40	50	280	13-15	R3/4"	38	137
1654340002	165-4-3400 B	165	1250	1340	195	40	50	280	13-15	R3/4"	44	149
1654400002	165-4-4000 B	165	1400	1490	195	40	50	280	13-15	R3/4"	51	165
1654420002	165-4-4200 B	165	1550	1640	195	40	50	280	13-15	R3/4"	58	185
1903300002	190-3-3000 B	190	1400	1480	220	40	50	280	10-12	R3/4"	68	193
1903315002	190-3-3150 B	190	1550	1630	220	40	50	280	10-12	R3/4"	75	212
1903345002	190-3-3450 B	190	1650	1730	220	40	50	280	13-15	R3/4"	83	224
1903375002	190-3-3750 B	190	1750	1830	220	40	50	280	13-15	R3/4"	89	236
1903405002	190-3-4050 B	190	1850	1930	220	40	50	280	13-15	R3/4"	95	248
1904340002	190-4-3400 B	190	1250	1340	220	40	50	280	13-15	R3/4"	64	192
1904400002	190-4-4000 B	190	1400	1490	220	40	50	280	13-15	R3/4"	74	213
1904420002	190-4-4200 B	190	1550	1640	220	40	50	280	16-20	R3/4"	84	234
1904460002	190-4-4600 B	190	1650	1740	220	40	50	280	16-20	R3/4"	90	255
1904500002	190-4-5000 B	190	1750	1840	220	40	50	280	16-20	R3/4"	97	276
1904540002	190-4-5400 B	190	1850	1940	220	40	50	280	16-20	R3/4"	103	295
1905425002	190-5-4250 B	190	1250	1350	220	40	50	280	16-20	R3/4"	67	207
1905500002	190-5-5000 B	190	1400	1500	220	40	50	280	16-20	R3/4"	77	230
1905525002	190-5-5250 B	190	1550	1650	220	40	50	280	16-20	R3/4"	87	254
1905575002	190-5-5750 B	190	1650	1750	220	40	50	280	16-20	R3/4"	94	269
1905625002	190-5-6250 B	190	1750	1850	220	40	50	280	16-20	R3/4"	101	285
1905675002	190-5-6750 B	190	1850	1950	220	40	50	280	16-20	R3/4"	108	301
2154400002	215-4-4000 B	215	1400	1490	245	40	50	280	20-22	R3/4"	103	268
2154420002	215-4-4200 B	215	1550	1640	245	40	50	280	20-22	R3/4"	116	277
2155500002	215-5-5000 B	215	1400	1500	245	40	50	280	20-22	R3/4"	108	287
2155525002	215-5-5250 B	215	1550	1650	245	40	50	280	22-24	R3/4"	123	311
2155575002	215-5-5750 B	215	1650	1750	245	40	50	280	22-24	R3/4"	132	331
2155625002	215-5-6250 B	215	1750	1850	245	40	50	280	22-24	R3/4"	142	351
2155675002	215-5-6750 B	215	1850	1950	245	40	50	280	22-24	R3/4"	153	371

C TİPİ

C TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

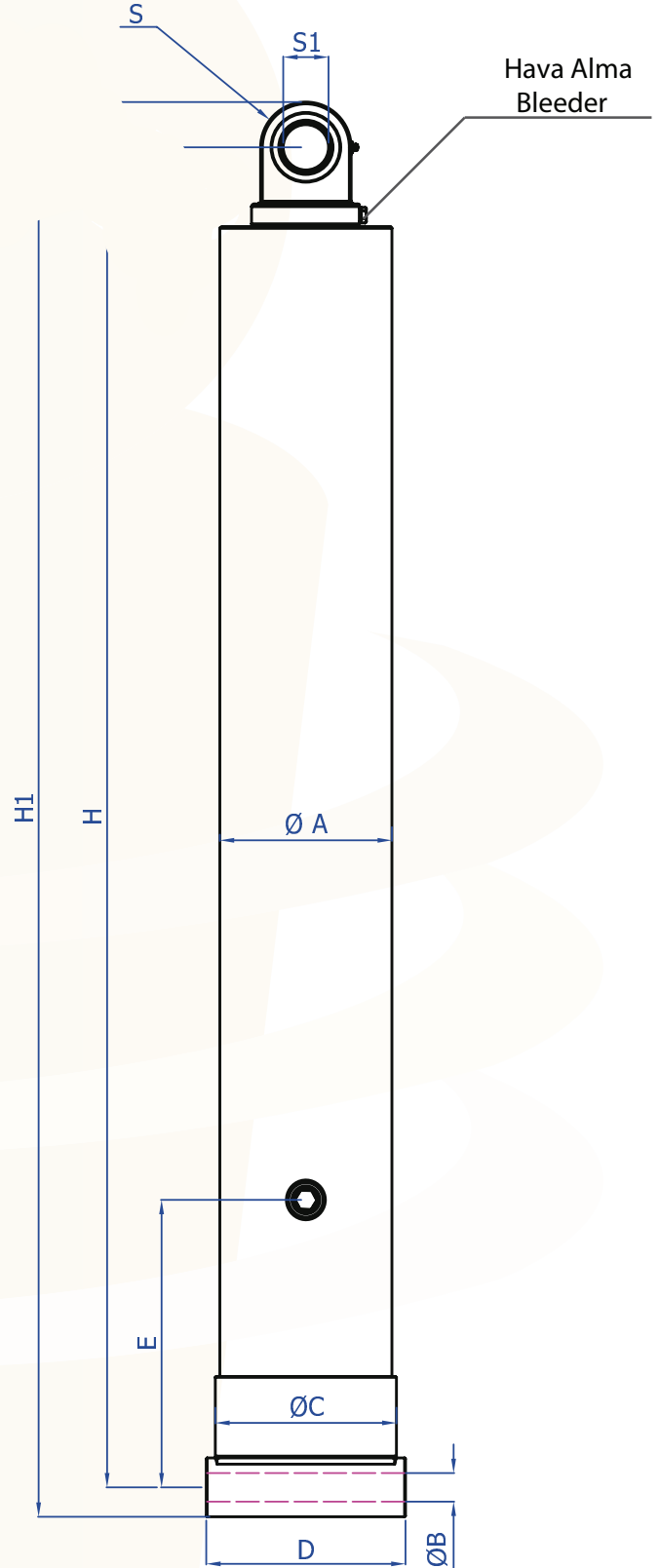
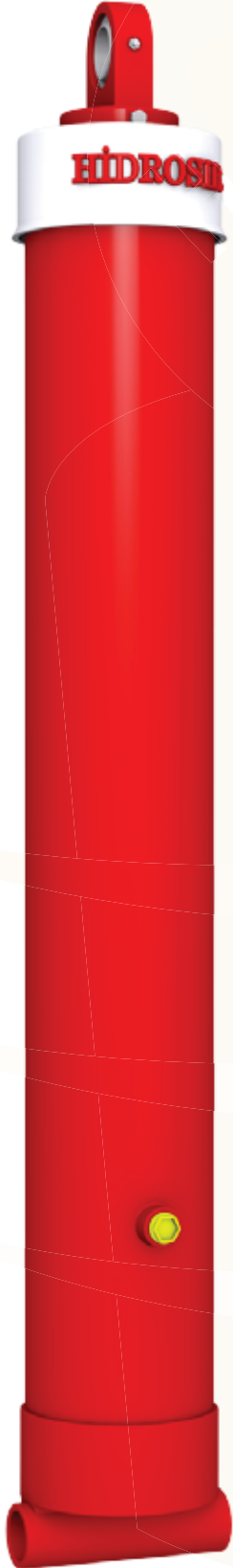
C TİPİ

C TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	E	H	H1	S	S1	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195003	138-3-1950 C	138	55	180	280	175	880	955	40	50	6	R3/4"	24	85
1383225003	138-3-2250 C	138	55	180	280	175	980	1055	40	50	6	R3/4"	26	93
1383255003	138-3-2550 C	138	55	180	280	175	1080	1155	40	50	6	R3/4"	29	100
1383300003	138-3-3000 C	138	55	180	280	175	1230	1305	40	50	12	R3/4"	31	111
1383315003	138-3-3150 C	138	55	180	280	175	1380	1455	40	50	12	R3/4"	35	123
1653195003	165-3-1950 C	165	68	210	330	175	880	930	40	50	13-15	R3/4"	33	113
1653225003	165-3-2250 C	165	68	210	330	175	980	1080	40	50	13-15	R3/4"	36	123
1653255003	165-3-2550 C	165	68	210	330	175	1080	1180	40	50	13-15	R3/4"	41	134
1653300003	165-3-3000 C	165	68	210	330	175	1230	1330	40	50	13-15	R3/4"	48	147
1653315003	165-3-3150 C	165	68	210	330	175	1380	1480	40	50	13-15	R3/4"	54	162
1654260003	165-4-2600 C	165	68	210	330	175	880	980	40	50	13-15	R3/4"	33	125
1654300003	165-4-3000 C	165	68	210	330	175	980	1080	40	50	13-15	R3/4"	38	136
1654340003	165-4-3400 C	165	68	210	330	175	1080	1180	40	50	13-15	R3/4"	44	148
1654400003	165-4-4000 C	165	68	210	330	175	1230	1330	40	50	13-15	R3/4"	51	164
1654420003	165-4-4200 C	165	68	210	330	175	1380	1480	40	50	13-15	R3/4"	58	184
1654460003	165-4-4600 C	165	68	210	330	175	1480	1580	40	50	13-15	R3/4"	68	204
1654500003	165-4-5000 C	165	68	210	330	175	1580	1680	40	50	13-15	R3/4"	78	224
1654540003	165-4-5400 C	165	68	210	330	175	1680	1780	40	50	13-15	R3/4"	88	244
1903255003	190-3-2550 C	190	68	235	355	175	1080	1180	40	50	10-12	R3/4"	80	165
1903300003	190-3-3000 C	190	68	235	355	175	1230	1330	40	50	10-12	R3/4"	68	192
1903315003	190-3-3150 C	190	68	235	355	175	1380	1480	40	50	10-12	R3/4"	75	211
1903345003	190-3-3450 C	190	68	235	355	175	1480	1580	40	50	13-15	R3/4"	83	224
1903375003	190-3-3750 C	190	68	235	355	175	1580	1680	40	50	13-15	R3/4"	89	236
1903405003	190-3-4050 C	190	68	235	355	175	1680	1780	40	50	13-15	R3/4"	95	248
1904340003	190-4-3400 C	190	68	235	355	175	1080	1180	40	50	13-15	R3/4"	64	191
1904400003	190-4-4000 C	190	68	235	355	175	1230	1330	40	50	13-15	R3/4"	74	213
1904420003	190-4-4200 C	190	68	235	355	175	1380	1480	40	50	16-20	R3/4"	84	233
1904460003	190-4-4600 C	190	68	235	355	175	1480	1580	40	50	16-20	R3/4"	90	254
1904500003	190-4-5000 C	190	68	235	355	175	1580	1680	40	50	16-20	R3/4"	97	275
1904540003	190-4-5400 C	190	68	235	355	175	1680	1780	40	50	16-20	R3/4"	103	294
1905425003	190-5-4250 C	190	68	235	355	175	1080	1180	40	50	16-20	R3/4"	67	206
1905500003	190-5-5000 C	190	68	235	355	175	1230	1330	40	50	16-20	R3/4"	77	229
1905525003	190-5-5250 C	190	68	235	355	175	1380	1480	40	50	16-20	R3/4"	87	253
1905575003	190-5-5750 C	190	68	235	355	175	1480	1580	40	50	16-20	R3/4"	94	268
1905625003	190-5-6250 C	190	68	235	355	175	1580	1680	40	50	16-20	R3/4"	101	284
1905675003	190-5-6750 C	190	68	235	355	175	1680	1780	40	50	16-20	R3/4"	108	300
1905725003	190-5-7250 C	190	68	235	355	175	1780	1880	40	50	16-20	R3/4"	116	316
1905775003	190-5-7750 C	190	68	235	355	175	1880	1980	40	50	16-20	R3/4"	128	332
2154340003	215-4-3400 C	215	68	260	380	175	1080	1180	40	50	16-20	R3/4"	91	237
2154400003	215-4-4000 C	215	68	260	380	175	1230	1330	40	50	20-22	R3/4"	103	247
2154420003	215-4-4200 C	215	68	260	380	175	1380	1480	40	50	20-22	R3/4"	118	276
2154460003	215-4-4600 C	215	68	260	380	175	1480	1580	40	50	20-22	R3/4"	127	297
2154500003	215-4-5000 C	215	68	260	380	175	1580	1680	40	50	20-22	R3/4"	135	320
2154540003	215-4-5400 C	215	68	260	380	175	1680	1780	40	50	20-22	R3/4"	143	347
2155425003	215-5-4250 C	215	68	260	380	175	1080	1180	40	50	20-22	R3/4"	96	247
2155500003	215-5-5000 C	215	68	260	380	175	1230	1330	40	50	20-22	R3/4"	110	286
2155525003	215-5-5250 C	215	68	260	380	175	1380	1480	40	50	20-22	R3/4"	124	310
2155575003	215-5-5750 C	215	68	260	380	175	1480	1580	40	50	20-22	R3/4"	133	330
2155625003	215-5-6250 C	215	68	260	380	175	1580	1680	40	50	20-22	R 1"	143	350
2155675003	215-5-6750 C	215	68	260	380	175	1680	1780	40	50	20-22	R 1"	154	370
2155725003	215-5-7250 C	215	68	260	380	175	1780	1880	40	50	20-22	R 1"	165	390
2155775003	215-5-7750 C	215	68	260	380	175	1880	1980	40	50	20-22	R 1"	171	413
2434340003	243-4-3400 C	243	68	295	415	175	1080	1180	40	50	26-32	R 1"	123	299
2434400003	243-4-4000 C	243	68	295	415	175	1230	1330	40	50	26-32	R 1"	141	329
2434420003	243-4-4200 C	243	68	295	415	175	1380	1480	40	50	26-32	R 1"	160	364
2434460003	243-4-4600 C	243	68	295	415	175	1480	1580	40	50	26-32	R 1"	172	387
2434500003	243-4-5000 C	243	68	295	415	175	1580	1680	40	50	26-32	R 1"	184	411
2434540003	243-4-5400 C	243	68	295	415	175	1680	1780	40	50	26-32	R 1"	196	434
2435425003	243-5-4250 C	243	68	295	415	175	1080	1180	40	50	26-32	R 1"	135	314
2435500003	243-5-5000 C	243	68	295	415	175	1230	1330	40	50	26-32	R 1"	150	352
2435525003	243-5-5250 C	243	68	295	415	175	1380	1480	40	50	26-32	R 1"	167	390
2435575003	243-5-5750 C	243	68	295	415	175	1480	1580	40	50	26-32	R 1"	177	415
2435625003	243-5-6250 C	243	68	295	415	175	1580	1680	40	50	26-32	R 1"	188	441
2435675003	243-5-6750 C	243	68	295	415	175	1680	1780	40	50	26-32	R 1"	209	466
2435725003	243-5-7250 C	243	68	295	415	175	1780	1880	40	50	26-32	R 1"	222	491
2435775003	243-5-7750 C	243	68	295	415	175	1880	1980	40	50	26-32	R 1"	235	517

D TİPİ

D TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

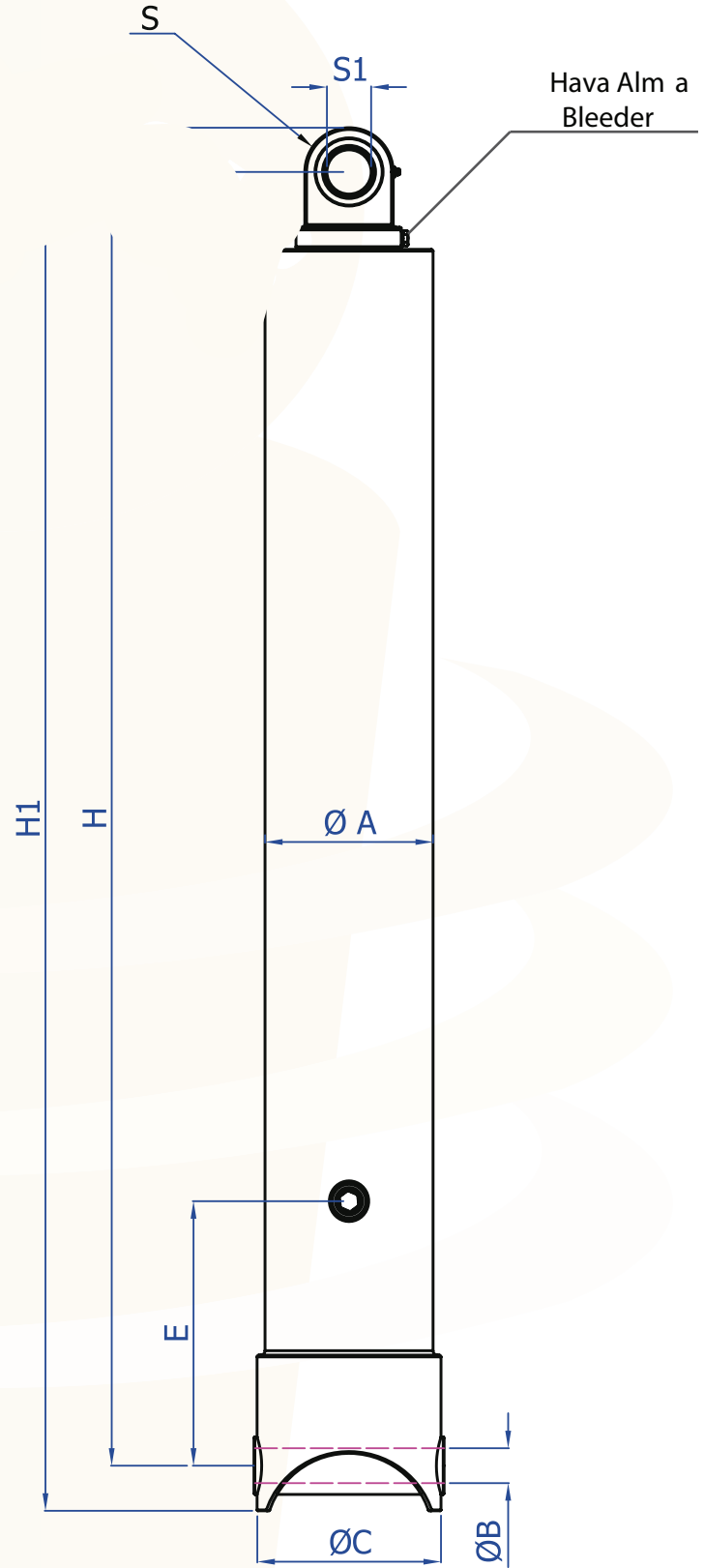
D TİPİ

D TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	H	H1	C (Ø)	D	E	S	S1	M³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383255004	138-3-2550 D	138	40	1200	1250	165	170	280	40	50	6	R3/4"	29	101
1383300004	138-3-3000 D	138	40	1350	1400	165	170	280	40	50	12	R3/4"	31	112
1383315004	138-3-3150 D	138	40	1500	1550	165	170	280	40	50	12	R3/4"	35	124
1653255004	165-3-2550 D	165	50	1200	1250	195	200	280	40	50	13-15	R3/4"	41	135
1653300004	165-3-3000 D	165	50	1350	1400	195	200	280	40	50	13-15	R3/4"	48	148
1653315004	165-3-3150 D	165	50	1500	1550	195	200	280	40	50	13-15	R3/4"	54	163
1654334004	165-4-3400 D	165	50	1200	1250	195	200	280	40	50	13-15	R3/4"	44	157
1654400004	165-4-4000 D	165	50	1350	1400	195	200	280	40	50	13-15	R3/4"	51	164
1654420004	165-4-4200 D	165	50	1500	1550	195	200	280	40	50	13-15	R3/4"	58	185
1903300004	190-3-3000 D	190	50	1350	1400	220	225	280	40	50	10-12	R3/4"	68	193
1903315004	190-3-3150 D	190	50	1500	1550	220	225	280	40	50	10-12	R3/4"	75	212
1903345004	190-3-3450 D	190	50	1600	1650	220	225	280	40	50	13-15	R3/4"	83	225
1903375004	190-3-3750 D	190	50	1700	1750	220	225	280	40	50	13-15	R3/4"	89	237
1903405004	190-3-4050 D	190	50	1800	1860	220	225	280	40	50	13-15	R3/4"	95	249
1904340004	190-4-3400 D	190	50	1200	1260	220	225	280	40	50	13-15	R3/4"	64	192
1904400004	190-4-4000 D	190	50	1350	1410	220	225	280	40	50	13-15	R3/4"	74	213
1904420004	190-4-4200 D	190	50	1500	1560	220	225	280	40	50	16-20	R3/4"	84	234
1904460004	190-4-4600 D	190	50	1600	1660	220	225	280	40	50	16-20	R3/4"	90	255
1904500004	190-4-5000 D	190	50	1700	1760	220	225	280	40	50	16-20	R3/4"	97	276
1904540004	190-4-5400 D	190	50	1800	1860	220	225	280	40	50	16-20	R3/4"	103	295
1905425004	190-5-4250 D	190	50	1200	1260	220	225	280	40	50	16-20	R3/4"	67	207
1905500004	190-5-5000 D	190	50	1350	1410	220	225	280	40	50	16-20	R3/4"	77	230
1905525004	190-5-5250 D	190	50	1500	1560	220	225	280	40	50	16-20	R3/4"	87	254
1905575004	190-5-5750 D	190	50	1600	1660	220	225	280	40	50	16-20	R3/4"	94	269
1905625004	190-5-6250 D	190	50	1700	1760	220	225	280	40	50	16-20	R3/4"	101	285
1905675004	190-5-6750 D	190	50	1800	1860	220	225	280	40	50	16-20	R3/4"	108	301
2154340004	215-4-3400 D	215	50	1200	1260	245	270	280	40	50	22-24	R3/4"	91	237
2154400004	215-4-4000 D	215	50	1350	1410	245	270	280	40	50	22-24	R3/4"	103	247
2154420004	215-4-4200 D	215	50	1500	1560	245	270	280	40	50	22-24	R3/4"	118	276
2154460004	215-4-4600 D	215	50	1600	1660	245	270	280	40	50	22-24	R3/4"	127	297
2154500004	215-4-5000 D	215	50	1700	1760	245	270	280	40	50	22-24	R3/4"	135	320
2154540004	215-4-5400 D	215	50	1800	1860	245	270	280	40	50	22-24	R3/4"	143	347
2155425004	215-5-4250 D	215	50	1200	1260	245	270	280	40	50	22-24	R3/4"	96	247
2155500004	215-5-5000 D	215	50	1350	1410	245	270	280	40	50	22-24	R3/4"	110	286
2155525004	215-5-5250 D	215	50	1500	1560	245	270	280	40	50	22-24	R3/4"	124	310
2155575004	215-5-5750 D	215	50	1600	1660	245	270	280	40	50	22-24	R3/4"	133	330
2155625004	215-5-6250 D	215	50	1700	1760	245	270	280	40	50	22-24	R3/4"	143	350
2155675004	215-5-6750 D	215	50	1800	1860	245	270	280	40	50	22-24	R3/4"	154	370

E TİPİ

E TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

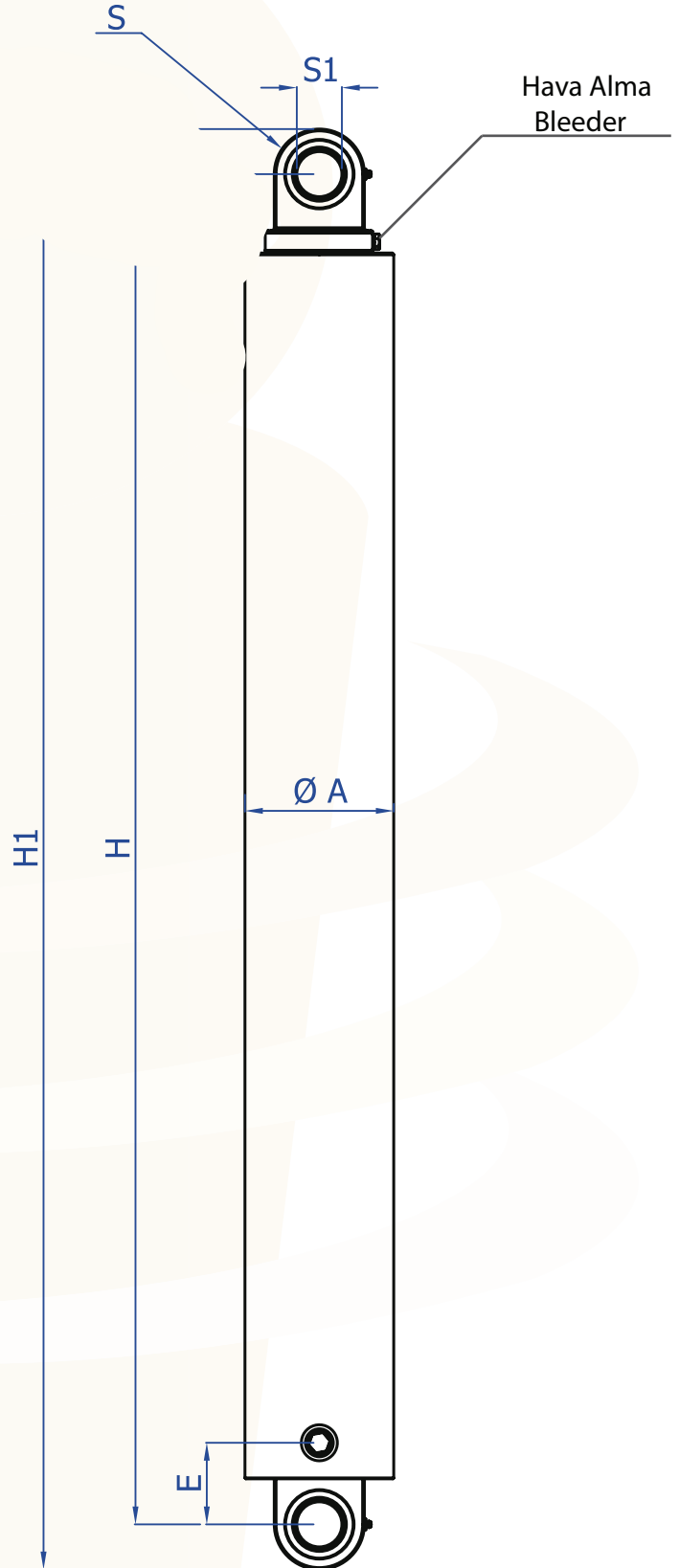
E TİPİ

E TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C (Ø)	E	S	S1	H	H1	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195005	138-3-1950 E	138	40	155	280	40	50	970	1050	6	R3/4"	24	85
1383225005	138-3-2250 E	138	40	155	280	40	50	1070	1150	6	R3/4"	26	93
1383255005	138-3-2550 E	138	40	155	280	40	50	1170	1250	12	R3/4"	29	100
1383300005	138-3-3000 E	138	40	155	280	40	50	1320	1400	12	R3/4"	31	111
1383315005	138-3-3150 E	138	40	155	280	40	50	1470	1550	12	R3/4"	35	123
1653195005	165-3-1950 E	165	50	190	280	40	50	970	1070	13-15	R3/4"	33	113
1653225005	165-3-2250 E	165	50	190	280	40	50	1070	1170	13-15	R3/4"	36	123
1653255005	165-3-2550 E	165	50	190	280	40	50	1170	1270	13-15	R3/4"	41	134
1653300005	165-3-3000 E	165	50	190	280	40	50	1320	1420	13-15	R3/4"	48	147
1653315005	165-3-3150 E	165	50	190	280	40	50	1470	1570	13-15	R3/4"	54	162
1654260005	165-4-2600 E	165	50	190	280	40	50	970	1070	13-15	R3/4"	33	125
1654300005	165-4-3000 E	165	50	190	280	40	50	1070	1170	13-15	R3/4"	38	136
1654340005	165-4-3400 E	165	50	190	280	40	50	1170	1270	13-15	R3/4"	44	148
1654400005	165-4-4000 E	165	50	190	280	40	50	1320	1420	13-15	R3/4"	51	164
1654420005	165-4-4200 E	165	50	190	280	40	50	1470	1570	13-15	R3/4"	58	184
1903300005	190-3-3000 E	190	50	220	280	40	50	1320	1420	10-12	R3/4"	68	192
1903315005	190-3-3150 E	190	50	220	280	40	50	1470	1570	10-12	R3/4"	75	211
1903345005	190-3-3450 E	190	50	220	280	40	50	1570	1670	13-15	R3/4"	83	224
1903375005	190-3-3750 E	190	50	220	280	40	50	1670	1770	13-15	R3/4"	89	236
1903405005	190-3-4050 E	190	50	220	280	40	50	1770	1870	13-15	R3/4"	95	248
1904340005	190-4-3400 E	190	50	220	280	40	50	1170	1270	13-15	R3/4"	64	191
1904400005	190-4-4000 E	190	50	220	280	40	50	1320	1420	13-15	R3/4"	74	212
1904420005	190-4-4200 E	190	50	220	280	40	50	1470	1570	16-20	R3/4"	84	233
1904460005	190-4-4600 E	190	50	220	280	40	50	1570	1670	16-20	R3/4"	90	254
1904500005	190-4-5000 E	190	50	220	280	40	50	1670	1770	16-20	R3/4"	97	275
1904540005	190-4-5400 E	190	50	220	280	40	50	1770	1870	16-20	R3/4"	103	294
1905425005	190-5-4250 E	190	50	220	280	40	50	1170	1270	16-20	R3/4"	67	206
1905500005	190-5-5000 E	190	50	220	280	40	50	1320	1420	16-20	R3/4"	77	229
1905525005	190-5-5250 E	190	50	220	280	40	50	1470	1570	16-20	R3/4"	87	253
1905575005	190-5-5750 E	190	50	220	280	40	50	1570	1670	16-20	R3/4"	94	268
1905625005	190-5-6250 E	190	50	220	280	40	50	1670	1770	16-20	R3/4"	101	284
1905675005	190-5-6750 E	190	50	220	280	40	50	1770	1870	16-20	R3/4"	108	300
2154400005	215-4-4000 E	215	50	240	280	40	50	1320	1420	20-22	R1"	103	267
2154420005	215-4-4200 E	215	50	240	280	40	50	1470	1570	20-22	R1"	116	276
2155500005	215-5-5000 E	215	50	240	280	40	50	1320	1420	20-22	R1"	108	286
2155525005	215-5-5250 E	215	50	240	280	40	50	1470	1570	20-22	R1"	123	310
2155575005	215-5-5750 E	215	50	240	280	40	50	1570	1670	20-22	R1"	132	330
2155625005	215-5-6250 E	215	50	240	280	40	50	1670	1770	20-22	R1"	142	350
2155675005	215-5-6750 E	215	50	240	280	40	50	1770	1870	20-22	R1"	153	370
2455500005	245-5-5000 E	245	50	280	280	40	50	1320	1420	26-32	R1"	150	352
2455525005	245-5-5250 E	245	50	280	280	40	50	1470	1570	26-32	R1"	167	390
2455575005	245-5-5750 E	245	50	280	280	40	50	1570	1670	26-32	R1"	177	415
2455625005	245-5-6250 E	245	50	280	280	40	50	1670	1770	26-32	R1"	188	441
2455675005	245-5-6750 E	245	50	280	280	40	50	1770	1870	26-32	R1"	209	466
2455725005	245-5-7250 E	245	50	280	280	40	50	1870	1970	26-32	R1"	222	491

F TİPİ

F TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

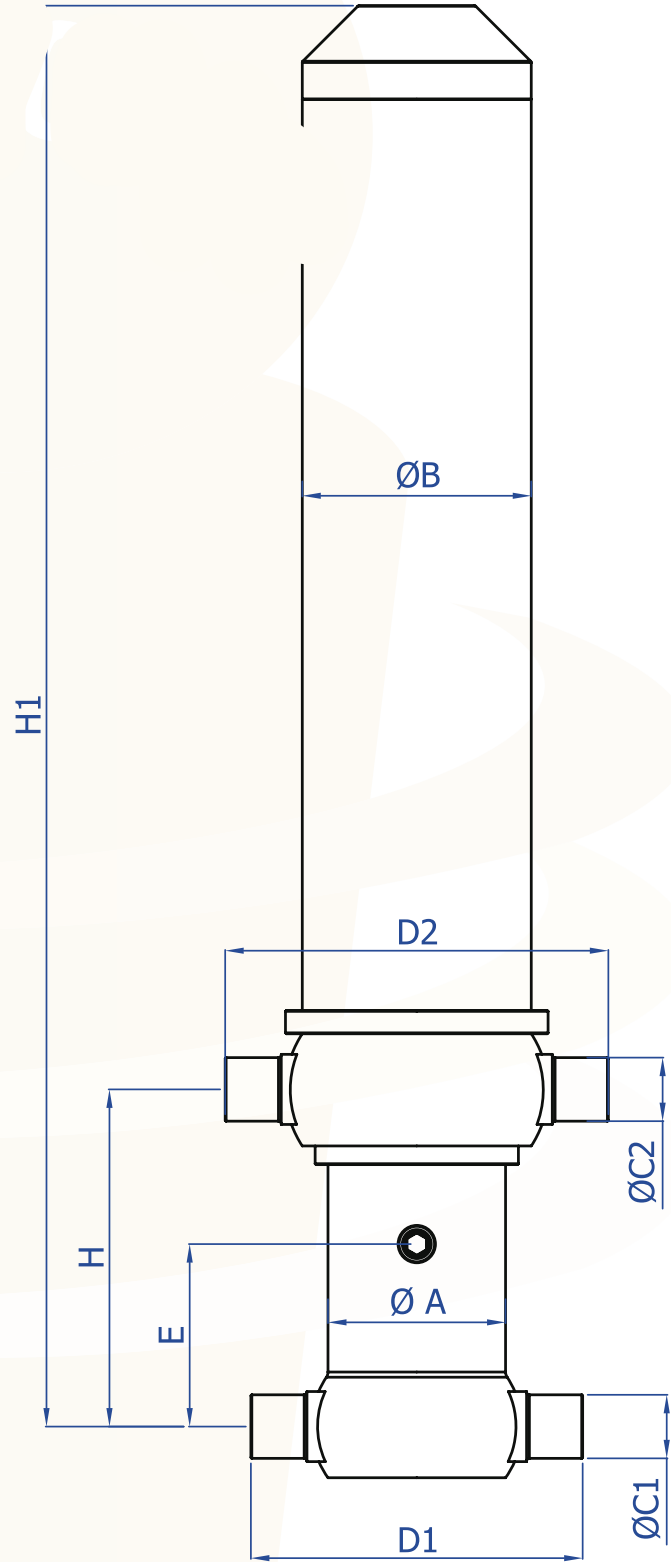
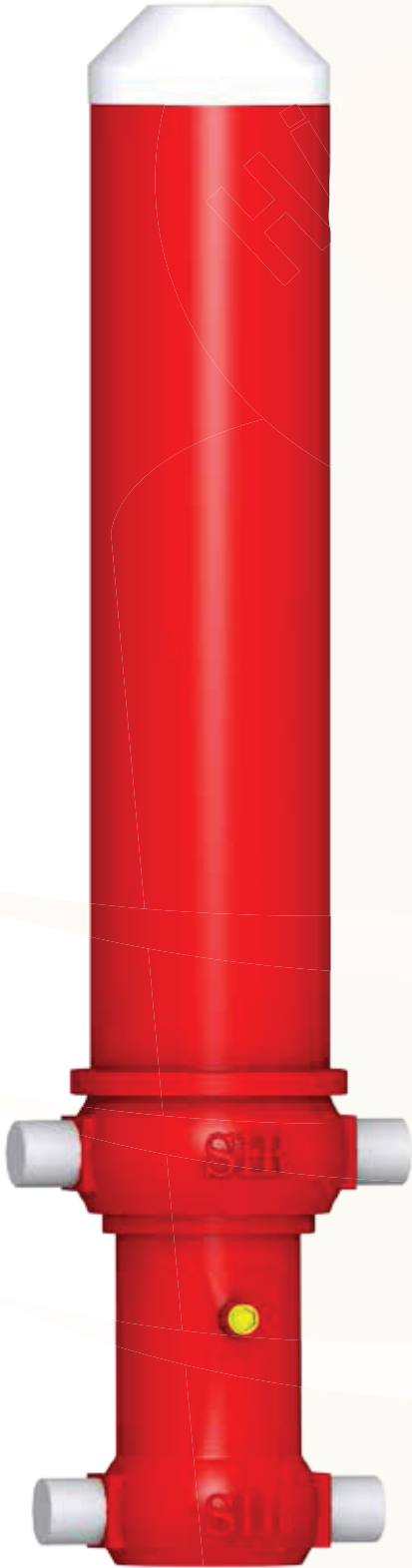
F TİPİ

F TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	H	H1	S	S1	E	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195006	138-3-1950 F	138	1030	1130	40	50	105	6	R 3/4 "	24	86
1383225006	138-3-2250 F	138	1130	1230	40	50	105	6	R 3/4 "	26	94
1383255006	138-3-2550 F	138	1230	1330	40	50	105	6	R 3/4 "	29	101
1383300006	138-3-3000 F	138	1380	1380	40	50	105	12	R 3/4 "	31	112
1383315006	138-3-3150 F	138	1430	1630	40	50	105	12	R 3/4 "	35	124
1653195006	165-3-1950 F	165	1030	1130	40	50	105	13-15	R 3/4 "	33	114
1653225006	165-3-2250 F	165	1130	1230	40	50	105	13-15	R 3/4 "	36	124
1653255006	165-3-2550 F	165	1230	1330	40	50	105	13-15	R 3/4 "	41	135
1653300006	165-3-3000 F	165	1380	1480	40	50	105	13-15	R 3/4 "	48	148
1653315006	165-3-3150 F	165	1530	1630	40	50	105	13-15	R 3/4 "	54	163
1654260006	165-4-2600 F	165	1030	1130	40	50	105	13-15	R 3/4 "	33	126
1654300006	165-4-3000 F	165	1130	1230	40	50	105	13-15	R 3/4 "	38	137
1654340006	165-4-3400 F	165	1230	1330	40	50	105	13-15	R 3/4 "	44	149
1654400006	165-4-4000 F	165	1380	1480	40	50	105	13-15	R 3/4 "	51	165
1654420006	165-4-4200 F	165	1530	1630	40	50	105	13-15	R 3/4 "	58	185
1753195006	175-3-1950 F	175	1030	1130	40	50	105	13-15	R 3/4 "	36	124
1753225006	175-3-2250 F	175	1130	1230	40	50	105	13-15	R 3/4 "	39	134
1753255006	175-3-2550 F	175	1230	1330	40	50	105	13-15	R 3/4 "	44	145
1753300006	175-3-3000 F	175	1380	1480	40	50	105	13-15	R 3/4 "	52	158
1753315006	175-3-3150 F	175	1530	1630	40	50	105	13-15	R 3/4 "	57	173
1754260006	175-4-2600 F	175	1030	1130	40	50	105	13-15	R 3/4 "	37	136
1754300006	175-4-3000 F	175	1130	1230	40	50	105	13-15	R 3/4 "	53	147
1754340006	175-4-3400 F	175	1230	1330	40	50	105	13-15	R 3/4 "	49	159
1754400006	175-4-4000 F	175	1380	1480	40	50	105	13-15	R 3/4 "	56	175
1754420006	175-4-4200 F	175	1530	1630	40	50	105	13-15	R 3/4 "	63	195
1903300006	190-3-3000 F	190	1380	1480	40	50	105	10-12	R 3/4 "	68	193
1903315006	190-3-3150 F	190	1530	1630	40	50	105	10-12	R 3/4 "	75	212
1903345006	190-3-3450 F	190	1630	1730	40	50	105	13-15	R 3/4 "	83	224
1903375006	190-3-3750 F	190	1730	1830	40	50	105	13-15	R 3/4 "	89	236
1903405006	190-3-4050 F	190	1830	1930	40	50	105	13-15	R 3/4 "	95	248
1904340006	190-4-3400 F	190	1230	1330	40	50	105	13-15	R 3/4 "	64	192
1904400006	190-4-4000 F	190	1380	1480	40	50	105	13-15	R 3/4 "	74	213
1904420006	190-4-4200 F	190	1530	1630	40	50	105	16-20	R 3/4 "	84	234
1904460006	190-4-4600 F	190	1630	1730	40	50	105	16-20	R 3/4 "	90	255
1904500006	190-4-5000 F	190	1730	1830	40	50	105	16-20	R 3/4 "	97	276
1904540006	190-4-5400 F	190	1830	1930	40	50	105	16-20	R 3/4 "	103	295
1905425006	190-5-4250 F	190	1230	1330	40	50	105	16-20	R 3/4 "	67	207
1905500006	190-5-5000 F	190	1380	1480	40	50	105	16-20	R 3/4 "	77	230
1905525006	190-5-5250 F	190	1530	1630	40	50	105	16-20	R 3/4 "	87	254
1905575006	190-5-5750 F	190	1630	1730	40	50	105	16-20	R 3/4 "	94	269
1905625006	190-5-6250 F	190	1730	1830	40	50	105	16-20	R 3/4 "	101	285
1905675006	190-5-6750 F	190	1830	1930	40	50	105	16-20	R 3/4 "	108	301
2154400006	215-4-4000 F	215	1380	1480	40	50	105	20-22	R 3/4 "	103	268
2154420006	215-4-4200 F	215	1530	1630	40	50	105	20-22	R 3/4 "	116	277
2155500006	215-5-5000 F	215	1380	1480	40	50	105	20-22	R 3/4 "	108	287
2155525006	215-5-5250 F	215	1530	1630	40	50	105	20-22	R 3/4 "	123	311
2155575006	215-5-5750 F	215	1630	1730	40	50	105	20-22	R 3/4 "	132	331
2155625006	215-5-6250 F	215	1730	1830	40	50	105	20-22	R 3/4 "	142	351
2155675006	215-5-6750 F	215	1830	1930	40	50	105	20-22	R 3/4 "	153	371

H TİPİ

H TYPE



ÖNDEN KALDIRMALI TELESKOPIK SİLİNDİRLER FRONT TIPPING TELESCOPIC CYLINDERS

H TİPİ

H TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C1 (Ø)	C2 (Ø)	D1	D2	E	H	H1	M ³	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1383195007	138-3-1950 H	138	190	55	68	280	355	60	360	910	6	R3/4"	24	106
1383225007	138-3-2250 H	138	190	55	68	280	355	60	360	1010	6	R3/4"	26	118
1383255007	138-3-2550 H	138	190	55	68	280	355	60	360	1110	6	R3/4"	29	130
1383300007	138-3-3000 H	138	190	55	68	280	355	60	360	1260	12	R3/4"	31	147
1383315007	138-3-3150 H	138	190	55	68	280	355	60	360	1410	12	R3/4"	35	195
1653195007	165-3-1950 H	165	215	68	68	330	380	60	360	910	13-15	R3/4"	33	141
1653225007	165-3-2250 H	165	215	68	68	330	380	60	360	1010	13-15	R3/4"	36	156
1653255007	165-3-2550 H	165	215	68	68	330	380	60	360	1110	13-15	R3/4"	41	171
1653300007	165-3-3000 H	165	215	68	68	330	380	60	360	1260	13-15	R3/4"	48	194
1653315007	165-3-3150 H	165	215	68	68	330	380	60	360	1410	13-15	R3/4"	54	217
1654260007	165-4-2600 H	165	215	68	68	330	380	60	360	910	13-15	R3/4"	33	146
1654300007	165-4-3000 H	165	215	68	68	330	380	60	360	1010	13-15	R3/4"	38	169
1654340007	165-4-3400 H	165	215	68	68	330	380	60	360	1110	13-15	R3/4"	44	187
1654400007	165-4-4000 H	165	215	68	68	330	380	60	360	1260	13-15	R3/4"	51	211
1654420007	165-4-4200 H	165	215	68	68	330	380	60	360	1410	13-15	R3/4"	58	238
1654460007	165-4-4600 H	165	215	68	68	330	380	60	360	1510	13-15	R3/4"	68	264
1654500007	165-4-5000 H	165	215	68	68	330	380	60	360	1610	13-15	R3/4"	78	289
1654540007	165-4-5400 H	165	215	68	68	330	380	60	360	1710	13-15	R3/4"	88	315
1903255007	190-3-2550 H	190	243	68	68	355	415	60	360	1110	10-12	R3/4"	80	203
1903300007	190-3-3000 H	190	243	68	68	355	415	60	360	1260	10-12	R3/4"	68	255
1903315007	190-3-3150 H	190	243	68	68	355	415	60	360	1410	10-12	R3/4"	75	282
1903345007	190-3-3450 H	190	243	68	68	355	415	60	360	1510	13-15	R3/4"	83	305
1903375007	190-3-3750 H	190	243	68	68	355	415	60	360	1610	13-15	R3/4"	89	325
1903405007	190-3-4050 H	190	243	68	68	355	415	60	360	1710	13-15	R3/4"	95	344
1904340007	190-4-3400 H	190	243	68	68	355	415	60	360	1110	13-15	R3/4"	64	244
1904400007	190-4-4000 H	190	243	68	68	355	415	60	360	1260	13-15	R3/4"	74	318
1904420007	190-4-4200 H	190	243	68	68	355	415	60	360	1410	16-20	R3/4"	84	306
1904460007	190-4-4600 H	190	243	68	68	355	415	60	360	1510	16-20	R3/4"	90	334
1904500007	190-4-5000 H	190	243	68	68	355	415	60	360	1610	16-20	R3/4"	97	362
1904540007	190-4-5400 H	190	243	68	68	355	415	60	360	1710	16-20	R3/4"	103	390
1905425007	190-5-4250 H	190	243	68	68	355	415	60	360	1110	16-20	R3/4"	67	255
1905500007	190-5-5000 H	190	243	68	68	355	415	60	360	1260	16-20	R3/4"	77	289
1905525007	190-5-5250 H	190	243	68	68	355	415	60	360	1410	16-20	R3/4"	87	324
1905575007	190-5-5750 H	190	243	68	68	355	415	60	360	1510	16-20	R3/4"	94	346
1905625007	190-5-6250 H	190	243	68	68	355	415	60	360	1610	16-20	R3/4"	101	370
1905675007	190-5-6750 H	190	243	68	68	355	415	60	360	1710	16-20	R3/4"	108	393
1905725007	190-5-7250 H	190	243	68	68	355	415	60	360	1810	16-20	R3/4"	116	417
1905775007	190-5-7750 H	190	243	68	68	355	415	60	360	1910	16-20	R3/4"	128	440
2154340007	215-4-3400 H	215	273	68	75	380	520	60	360	1110	20-22	R3/4"	91	303
2154400007	215-4-4000 H	215	273	68	75	380	520	60	360	1260	20-22	R3/4"	103	327
2154420007	215-4-4200 H	215	273	68	75	380	520	60	360	1410	20-22	R3/4"	118	370
2154460007	215-4-4600 H	215	273	68	75	380	520	60	360	1510	20-22	R3/4"	127	395
2154500007	215-4-5000 H	215	273	68	75	380	520	60	360	1610	20-22	R3/4"	135	433
2154540007	215-4-5400 H	215	273	68	75	380	520	60	360	1710	20-22	R3/4"	143	470
2155425007	215-5-4250 H	215	273	68	75	380	520	60	360	1110	20-22	R3/4"	96	313
2155500007	215-5-5000 H	215	273	68	75	380	520	60	360	1260	20-22	R3/4"	110	366
2155525007	215-5-5250 H	215	273	68	75	380	520	60	360	1410	20-22	R3/4"	124	404
2155575007	215-5-5750 H	215	273	68	75	380	520	60	360	1510	20-22	R1"	133	434
2155625007	215-5-6250 H	215	273	68	75	380	520	60	360	1610	20-22	R1"	143	463
2155675007	215-5-6750 H	215	273	68	75	380	520	60	360	1710	20-22	R1"	154	512
2155725007	215-5-7250 H	215	273	68	75	380	520	60	360	1810	20-22	R1"	165	530
2155775007	215-5-7750 H	215	273	68	75	380	520	60	360	1910	20-22	R1"	174	555

ÖNDEN KALDIRMALI SİL. BRAKET ÇEŞİTLERİ BRACKETS FOR FRONT TIPPING CYLINDERS

Ürün Kodu (Product Code)	Ürün Adı (Product Name)	Ağırlık (Weight)	ø A	L	H
HSR-01-100	Şase Üstü Braketi (Upper Chassis Bracket)	16 kg	55,5 mm	195 mm	110 mm
HSR-01-200	Şase Üstü Braketi (Upper Chassis Bracket)	30 kg	68,5 mm	235 mm	120 mm

Kullanıldığı
Silindirler
(Used for)

C TYPE

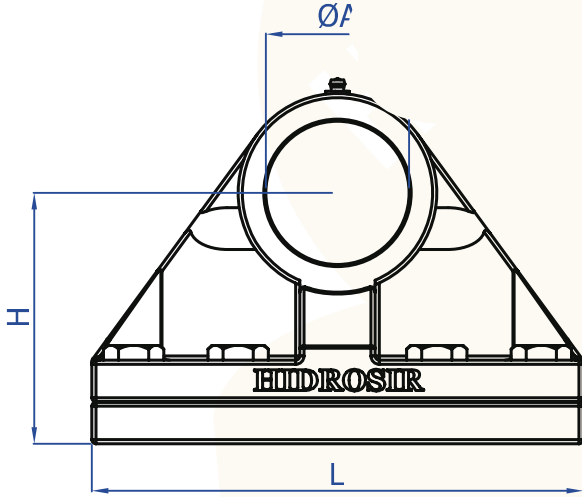
H TYPE

K TYPE

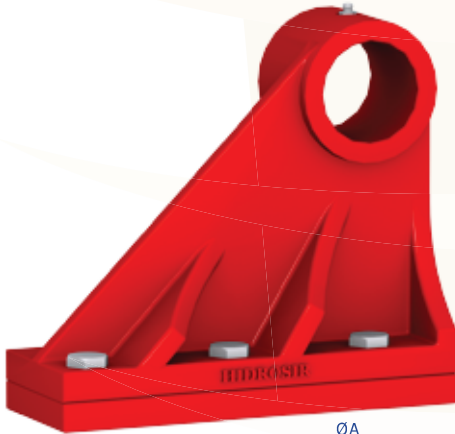
L TYPE

M TYPE

P TYPE



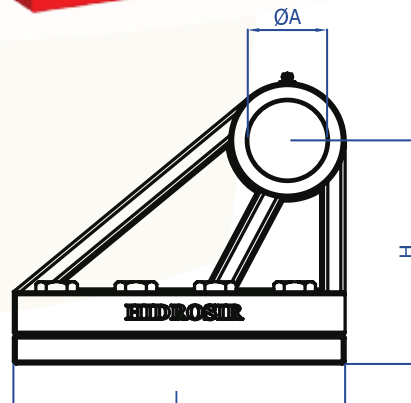
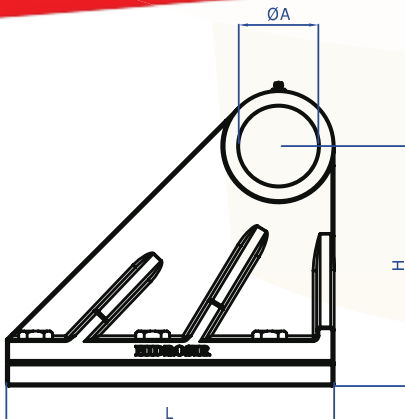
Ürün Kodu (Product Code)	Ürün Adı (Product Name)	Ağırlık (Weight)	ø A	L	H
HSR-01-300	Kasa Braketi Küçük (Chassis Bracket (Small))	23 kg	55,5 mm	235 mm	160 mm
HSR-01-400	Kasa Braketi Büyük (Chassis Bracket (Big))	29 kg	68,5 mm	275 mm	210 mm



Kullanıldığı
Silindirler
(Used for)

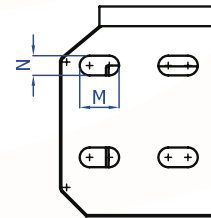
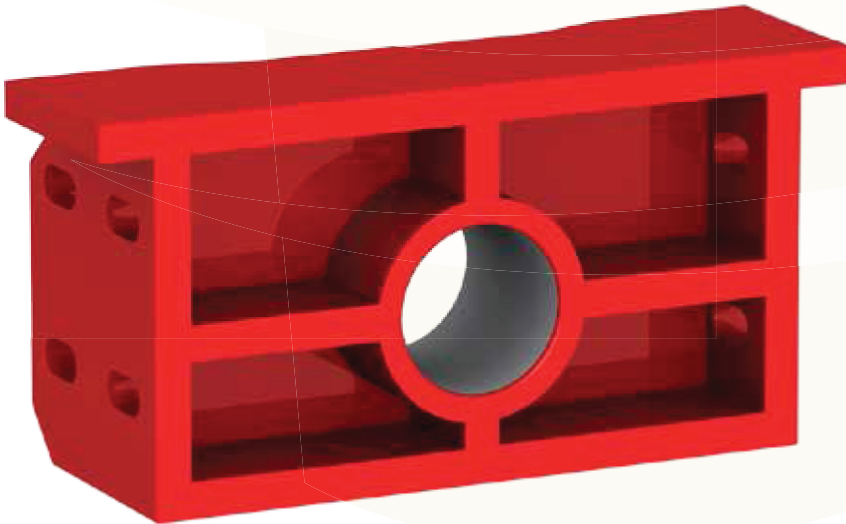
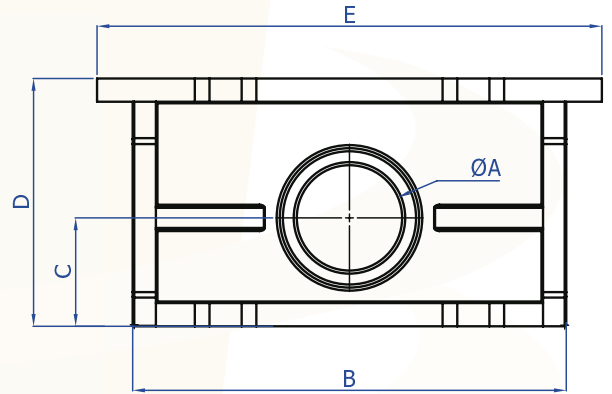
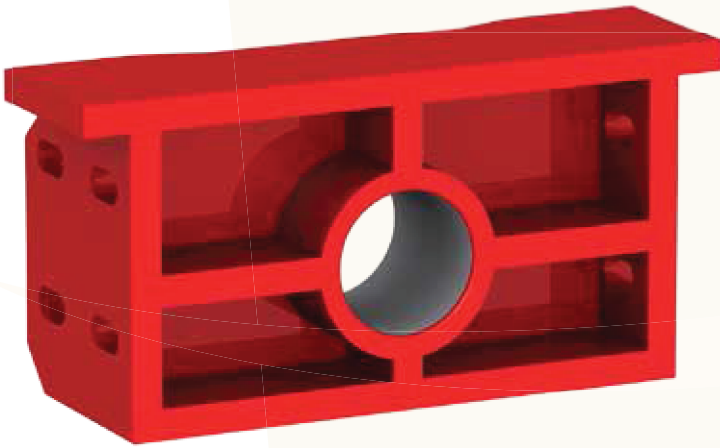
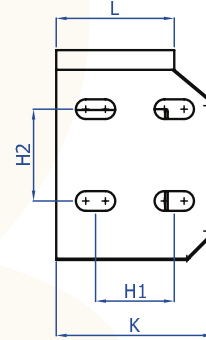
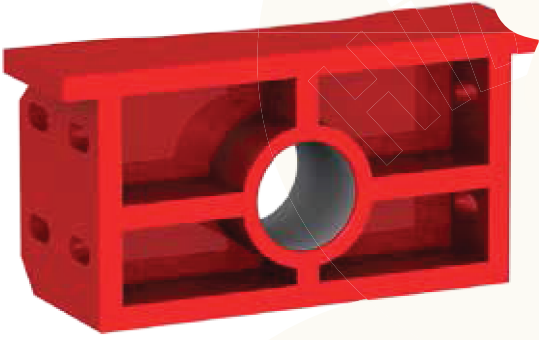
A TYPE

H TYPE



ÖNDEN KALDIRMALI SİL. BRAKET ÇEŞİTLERİ BRACKETS FOR FRONT TIPPING CYLINDERS

Ürün Kodu (Product Code)	Ürün Adı (Product Name)	Ağırlık (Weight)	ø A	L	H1	H2	B	C	D	E	N	M
HSR-02-500	Şase Altı Braketi (Under Chassis Bracket)	32 kg	68,5 mm	90 mm	63 mm	70 mm	285 mm	75 mm	165 mm	328 mm	18 mm	34 mm
HSR-02-600	Şase Altı Braketi (Under Chassis Bracket)	36 kg	68,5 mm	85 mm	58 mm	70 mm	365 mm	80 mm	165 mm	400 mm	18 mm	32 mm
HSR-02-700	Şase Altı Braketi (Under Chassis Bracket)	55 kg	75,5 mm	90 mm	58 mm	70 mm	420 mm	110 mm	195 mm	455 mm	19 mm	36 mm



Kullanıldığı
Silindirler
(Used for)

C TYPE

H TYPE

MALZEME BİLGİSİ / MATERIALS INFO

- Üretimde kullanılan borular sıcak çekim DIN 2393 ST-52 BKS kalitesindedir.
- Silindirde kullanılan her bir kademe ölçüsü 190 bara dayanıklılık gösterecek şekilde tasarlanmıştır.
- Tüm silindir kademe yüzeyleri 40 mikron sert krom kaplıdır.
- Geliştirilmiş yataklama yüzeyleri silindirin daha verimli ve güvenli çalışmasını sağlar.
- Hassas işleme toleransları sızdırmazlık elemanlarının en iyi şekilde görev yapmasını sağlar.
- Her kademenin sızdırmazlığı poliüretan matzemeli yüksek basınç sızdırmazlık elemanları ile sağlanmaktadır.

Her kademenin 190 Bar Basıncıta Karatabileceği yük tablosu aşağıdadır.

MATERIAL INFO

- The tubes are made of DIN ST-52 BKS material.
- Each stage used in the complete cylinders has durability upto 190 bars.
- All the stage surfaces are chrome plated with 40 micron.
- Improved guide element surfaces enable cylinder to work more efficiently and safely.
- Sensitive treatment tolerances provides guide elements to function perfectly.
- The sealing on each stage is provided with the high pressure applicable sealing kit which is made of polyurethane material.

Check below to see each stage capacity to load and unload .



Kademe Çapı Diameter	İtme Kuvveti Thrust Force
190 bar	
mm	ton
ø 212	68,42
ø 185	52,08
ø 160	38,95
ø 135	27,73
ø 115	20,12
ø 95	13,73
ø 75	8,56
ø 55	4,60



Strok Hesabı / Stroke Calculation

Teleskopik silindirlerin kasadaki yükü en verimli şekilde boşaltabilmeleri için, silindir tam açık seviyede kasa ve şase arasındaki tavsiye edilen minimum açı 42°, maksimum açı 55° dir.

Yükün Boşalması için gerekli silindir strokunu hesaplama formülü

Formül doğrultusunda kasa boyuna göre olması gereken strok veya strok yüksekliğine göre kasa boyunun olması gereken değerleri tablolarda belirtilmiştir.

H = Gerekli Strok

S = Kasa ve silindir arasındaki montaj açısı değeri

R = Kasa pimi ve silindir pimi arasındaki mesafe (mm)

$$\text{Gerekli strok} = H = S \times R$$

Recommended minimum angle is 42°, maximum angle is 55° when the cylinder is totally open between chassis and body, when the cylinders all stages are totally open. This values are recommended so as to empty the load with maximum efficiency.

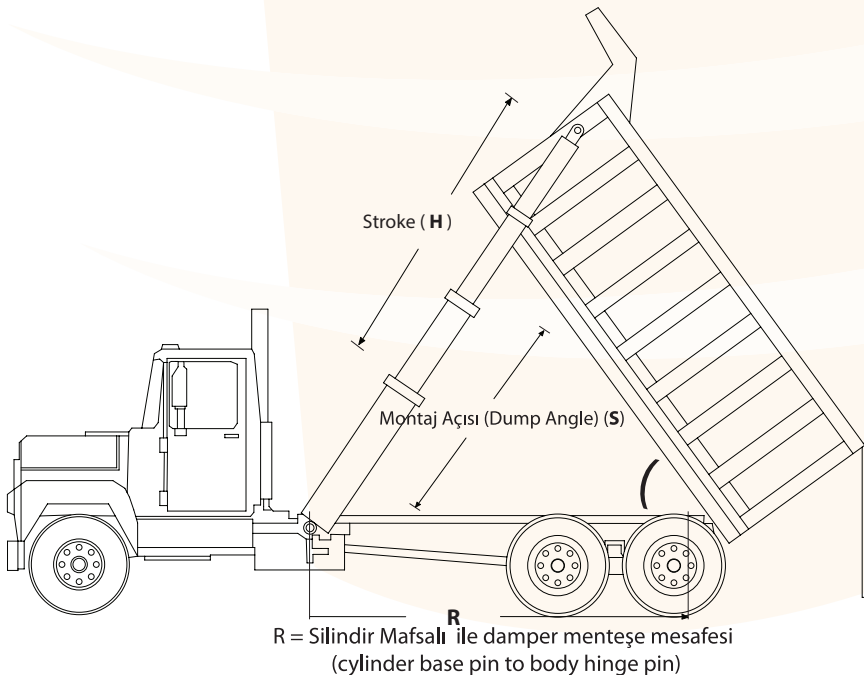
Stroke calculation formula for emptying the load the recommended values of body are indicated on the table. Shown on the table, you can see the stroke and stroke length according to the body length of the truck.

H = Required Stroke

S = The angle between body and cylinder

R = Distance between the body hinge pin and cylinder base (mm)

$$\text{Required stroke} = H = S \times R$$



S değerini bulma (Getting S Value)	
Montaj Açısı (Assembly Angle)	S
40	0,684
41	0,7004
42	0,7168
43	0,733
44	0,7492
45	0,7652
46	0,7814
47	0,7974
48	0,8134
49	0,8292
50	0,8452
51	0,861
52	0,8768
53	0,8922
54	0,908
55	0,9234

Ürün Kodlama Sistemi
Product Coding System

138

Dış Kovan Çapı
(Outer Tube Diameter)

3

Kademe Sayısı
(Number of Stages)

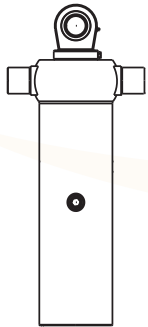
540

Strok
(Stroke)

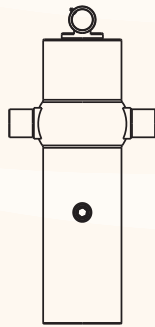
09

Silindir Tipi
(Cylinder Type)

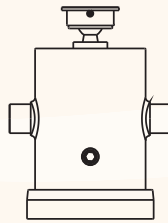
A	01
B	02
C	03
D	04
E	05
F	06
H	07
K	09
L	10
M	11
N	12
P	13



K



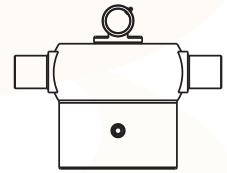
L



M



N

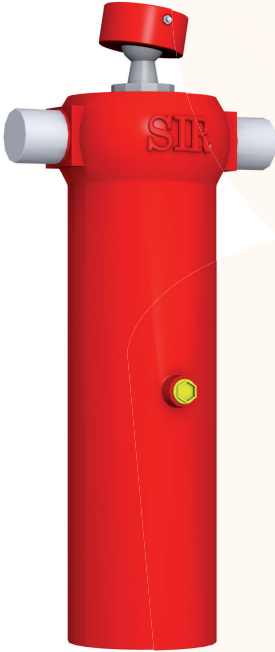


P

K TİPİ

K TYPE

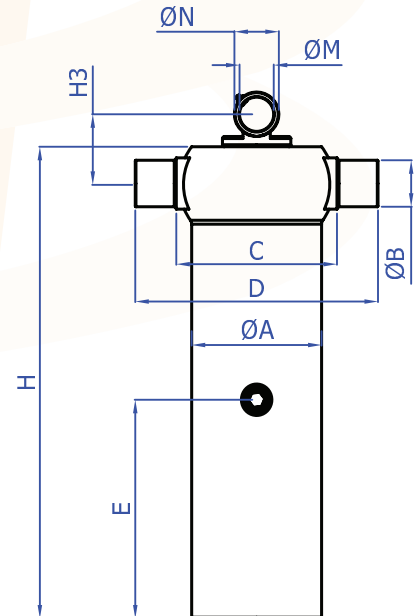
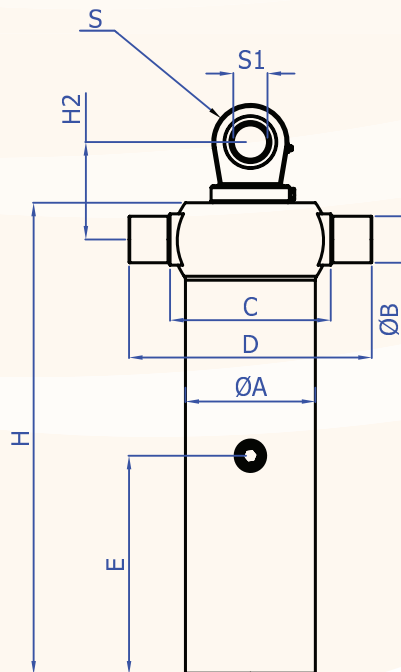
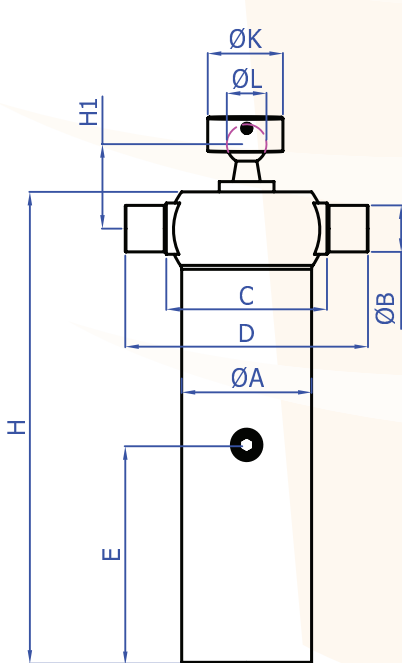
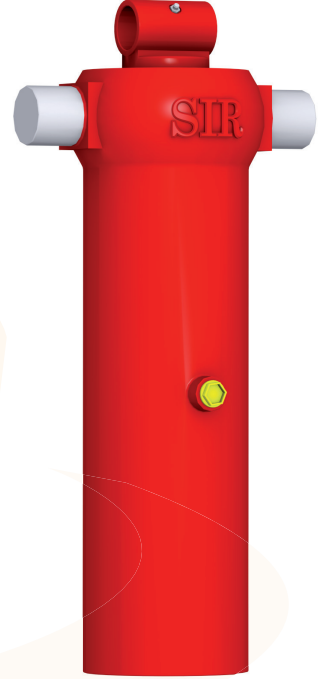
K1



K2



K3



ORTADAN KALDIRMALI TELESKOPİK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

K TİPİ

K TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M (Ø)	N (Ø)	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
138354009	138-3-540 K	138	55	165	265	58	110	340	120	110	140	40	55	160	40	50	R3/4"	7	35
138369009	138-3-690 K	138	55	165	265	58	110	390	120	110	140	40	55	190	40	50	R3/4"	8	39
138384009	138-3-840 K	138	55	165	265	58	110	440	120	110	140	40	55	220	40	50	R3/4"	9	43
138399009	138-3-990 K	138	55	165	265	58	110	490	120	110	140	40	55	250	40	50	R3/4"	10	47
1383114009	138-3-1140 K	138	55	165	265	58	110	540	120	110	140	40	55	280	40	50	R3/4"	11	51
1383129009	138-3-1290 K	138	55	165	265	58	110	590	120	110	140	40	55	310	40	50	R3/4"	13	55
1383135009	138-3-1350 K	138	55	165	265	58	110	640	120	110	140	40	55	340	40	50	R3/4"	15	60
1383150009	138-3-1500 K	138	55	165	265	58	110	690	120	110	140	40	55	370	40	50	R3/4"	18	64
138472009	138-4-720 K	138	55	165	265	58	110	340	120	110	140	40	55	160	40	50	R3/4"	9	38
138492009	138-4-920 K	138	55	165	265	58	110	390	120	110	140	40	55	190	40	50	R3/4"	10	42
1384112009	138-4-1120 K	138	55	165	265	58	110	440	120	110	140	40	55	220	40	50	R3/4"	12	46
1384132009	138-4-1320 K	138	55	165	265	58	110	490	120	110	140	40	55	250	40	50	R3/4"	14	50
1384152009	138-4-1520 K	138	55	165	265	58	110	540	120	110	140	40	55	280	40	50	R3/4"	15	54
1384172009	138-4-1720 K	138	55	165	265	58	110	590	120	110	140	40	55	310	40	50	R3/4"	17	58
1384180009	138-4-1800 K	138	55	165	265	58	110	640	120	110	140	40	55	340	40	50	R3/4"	18	63
1384200009	138-4-2000 K	138	55	165	265	58	110	690	120	110	140	40	55	370	40	50	R3/4"	20	67
165354009	165-3-540 K	165	68	200	320	58	110	340	120	110	140	50	72	160	40	50	R3/4"	13	49
165369009	165-3-690 K	165	68	200	320	58	110	390	120	110	140	50	72	190	40	50	R3/4"	15	54
165384009	165-3-840 K	165	68	200	320	58	110	440	120	110	140	50	72	220	40	50	R3/4"	18	59
165399009	165-3-990 K	165	68	200	320	58	110	490	120	110	140	50	72	250	40	50	R3/4"	20	64
1653114009	165-3-1140 K	165	68	200	320	58	110	540	120	110	140	50	72	280	40	50	R3/4"	22	69
1653129009	165-3-1290 K	165	68	200	320	58	110	590	120	110	140	50	72	310	40	50	R3/4"	24	74
1653135009	165-3-1350 K	165	68	200	320	58	110	640	120	110	140	50	72	340	40	50	R3/4"	26	79
1653150009	165-3-1500 K	165	68	200	320	58	110	690	120	110	140	50	72	370	40	50	R3/4"	28	85
165472009	165-4-720 K	165	68	200	320	58	110	340	120	110	140	50	72	160	40	50	R3/4"	15	52
165492009	165-4-920 K	165	68	200	320	58	110	390	120	110	140	50	72	190	40	50	R3/4"	17	57
1654112009	165-4-1120 K	165	68	200	320	58	110	440	120	110	140	50	72	220	40	50	R3/4"	20	62
1654132009	165-4-1320 K	165	68	200	320	58	110	490	120	110	140	50	72	250	40	50	R3/4"	22	67
1654152009	165-4-1520 K	165	68	200	320	58	110	540	120	110	140	50	72	280	40	50	R3/4"	24	72
1654172009	165-4-1720 K	165	68	200	320	58	110	590	120	110	140	50	72	310	40	50	R3/4"	26	77
1654180009	165-4-1800 K	165	68	200	320	58	110	640	120	110	140	50	72	340	40	50	R3/4"	28	82
1654200009	165-4-2000 K	165	68	200	320	58	110	690	120	110	140	50	72	370	40	50	R3/4"	30	88
165590009	165-5-900 K	165	68	200	320	58	110	340	120	110	140	50	72	160	40	50	R3/4"	16	55
1655115009	165-5-1150 K	165	68	200	320	58	110	390	120	110	140	50	72	190	40	50	R3/4"	18	60
1655140009	165-5-1400 K	165	68	200	320	58	110	440	120	110	140	50	72	220	40	50	R3/4"	21	65
1655165009	165-5-1650 K	165	68	200	320	58	110	490	120	110	140	50	72	250	40	50	R3/4"	23	70
1655190009	165-5-1900 K	165	68	200	320	58	110	540	120	110	140	50	72	280	40	50	R3/4"	25	75
1655215009	165-5-2150 K	165	68	200	320	58	110	590	120	110	140	50	72	310	40	50	R3/4"	27	80
1655225009	165-5-2250 K	165	68	200	320	58	110	640	120	110	140	50	72	340	40	50	R3/4"	29	85
1655250009	165-5-2500 K	165	68	200	320	58	110	690	120	110	140	50	72	370	40	50	R3/4"	31	91
190354009	190-3-540 K	190	68	225	345	58	110	340	120	110	140	50	72	160	40	50	R3/4"	11	60
190369009	190-3-690 K	190	68	225	345	58	110	390	120	110	140	50	72	190	40	50	R3/4"	13	66
190384009	190-3-840 K	190	68	225	345	58	110	440	120	110	140	50	72	220	40	50	R3/4"	16	72
190399009	190-3-990 K	190	68	225	345	58	110	490	120	110	140	50	72	250	40	50	R3/4"	18	78
1903114009	190-3-1140 K	190	68	225	345	58	110	540	120	110	140	50	72	280	40	50	R3/4"	21	84
1903129009	190-3-1290 K	190	68	225	345	58	110	590	120	110	140	50	72	310	40	50	R3/4"	27	90
1903135009	190-3-1350 K	190	68	225	345	58	110	640	120	110	140	50	72	340	40	50	R3/4"	33	96

ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

K TİPİ

K TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M (Ø)	N (Ø)	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1903150009	190-3-1500 K	190	68	225	345	58	110	690	120	110	140	50	72	370	40	50	R3/4"	40	102
190472009	190-4-720 K	190	68	225	345	58	110	340	120	110	140	50	72	160	40	50	R3/4"	12	65
190492009	190-4-920 K	190	68	225	345	58	110	390	120	110	140	50	72	190	40	50	R3/4"	14	72
1904112009	190-4-1120 K	190	68	225	345	58	110	440	120	110	140	50	72	220	40	50	R3/4"	17	79
1904132009	190-4-1320 K	190	68	225	345	58	110	490	120	110	140	50	72	250	40	50	R3/4"	19	86
1904152009	190-4-1520 K	190	68	225	345	58	110	540	120	110	140	50	72	280	40	50	R3/4"	22	93
1904172009	190-4-1720 K	190	68	225	345	58	110	590	120	110	140	50	72	310	40	50	R3/4"	28	100
1904180009	190-4-1800 K	190	68	225	345	58	110	640	120	110	140	50	72	340	40	50	R3/4"	34	107
1904200009	190-4-2000 K	190	68	225	345	58	110	690	120	110	140	50	72	370	40	50	R3/4"	41	114
190590009	190-5-900 K	190	68	225	345	58	110	340	120	110	140	50	72	160	40	50	R3/4"	13	70
1905115009	190-5-1150 K	190	68	225	345	58	110	390	120	110	140	50	72	190	40	50	R3/4"	15	77
1905140009	190-5-1400 K	190	68	225	345	58	110	440	120	110	140	50	72	220	40	50	R3/4"	18	84
1905165009	190-5-1650 K	190	68	225	345	58	110	490	120	110	140	50	72	250	40	50	R3/4"	21	91
1905190009	190-5-1900 K	190	68	225	345	58	110	540	120	110	140	50	72	280	40	50	R3/4"	24	98
1905215009	190-5-2150 K	190	68	225	345	58	110	590	120	110	140	50	72	310	40	50	R3/4"	30	105
1905225009	190-5-2250 K	190	68	225	345	58	110	640	120	110	140	50	72	340	40	50	R3/4"	36	112
1905250009	190-5-2500 K	190	68	225	345	58	110	690	120	110	140	50	72	370	40	50	R3/4"	43	117
190672009	190-6-720 K	190	68	225	345	58	110	340	120	110	140	50	72	160	40	50	R3/4"	14	74
1906138009	190-6-1380 K	190	68	225	345	58	110	390	120	110	140	50	72	190	40	50	R3/4"	17	81
1906168009	190-6-1680 K	190	68	225	345	58	110	440	120	110	140	50	72	220	40	50	R3/4"	20	88
1906198009	190-6-1980 K	190	68	225	345	58	110	490	120	110	140	50	72	250	40	50	R3/4"	23	85
1906228009	190-6-2280 K	190	68	225	345	58	110	540	120	110	140	50	72	280	40	50	R3/4"	26	102
1906258009	190-6-2580 K	190	68	225	345	58	110	590	120	110	140	50	72	310	40	50	R3/4"	32	109
1906270009	190-6-2700 K	190	68	225	345	58	110	640	120	110	140	50	72	340	40	50	R3/4"	38	116
1906300009	190-6-3000 K	190	68	225	345	58	110	690	120	110	140	50	72	370	40	50	R3/4"	45	121
215354009	215-3-540 K	215	68	255	375	58	110	340	120	110	140	50	72	160	40	50	R3/4"	15	73
215369009	215-3-690 K	215	68	255	375	58	110	390	120	110	140	50	72	190	40	50	R3/4"	20	81
215384009	215-3-840 K	215	68	255	375	58	110	440	120	110	140	50	72	220	40	50	R3/4"	25	89
215399009	215-3-990 K	215	68	255	375	58	110	490	120	110	140	50	72	250	40	50	R3/4"	30	97
2153114009	215-3-1140 K	215	68	255	375	58	110	540	120	110	140	50	72	280	40	50	R3/4"	35	105
2153129009	215-3-1290 K	215	68	255	375	58	110	590	120	110	140	50	72	310	40	50	R3/4"	40	113
2153135009	215-3-1350 K	215	68	255	375	58	110	640	120	110	140	50	72	340	40	50	R3/4"	45	121
2153150009	215-3-1500 K	215	68	255	375	58	110	690	120	110	140	50	72	370	40	50	R3/4"	50	129
215472009	215-4-720 K	215	68	255	375	58	110	340	120	110	140	50	72	160	40	50	R3/4"	20	79
215492009	215-4-920 K	215	68	255	375	58	110	390	120	110	140	50	72	190	40	50	R3/4"	25	87
2154112009	215-4-1120 K	215	68	255	375	58	110	440	120	110	140	50	72	220	40	50	R3/4"	30	95
2154132009	215-4-1320 K	215	68	255	375	58	110	490	120	110	140	50	72	250	40	50	R3/4"	35	103
2154152009	215-4-1520 K	215	68	255	375	58	110	540	120	110	140	50	72	280	40	50	R3/4"	40	111
2154172009	215-4-1720 K	215	68	255	375	58	110	590	120	110	140	50	72	310	40	50	R3/4"	45	119
2154180009	215-4-1800 K	215	68	255	375	58	110	640	120	110	140	50	72	340	40	50	R3/4"	50	127
2154200009	215-4-2000 K	215	68	255	375	58	110	690	120	110	140	50	72	370	40	50	R3/4"	55	135
215590009	215-5-900 K	215	68	255	375	58	110	340	120	110	140	50	72	160	40	50	R3/4"	24	84
2155115009	215-5-1150 K	215	68	255	375	58	110	390	120	110	140	50	72	190	40	50	R3/4"	29	92
2155140009	215-5-1400 K	215	68	255	375	58	110	440	120	110	140	50	72	220	40	50	R3/4"	34	100
2155165009	215-5-1650 K	215	68	255	375	58	110	490	120	110	140	50	72	250	40	50	R3/4"	39	108
2155190009	215-5-1900 K	215	68	255	375	58	110	540	120	110	140	50	72	280	40	50	R3/4"	44	116
2155215009	215-5-2150 K	215	68	255	375	58	110	590	120	110	140	50	72	310	40	50	R3/4"	49	124

ORTADAN KALDIRMALI TELESKOPİK SİLİNDİRLER

UNDER BODY TELESCOPIC CYLINDERS

K TİPİ

K TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M (Ø)	N (Ø)	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
2155225009	215-5-2250 K	215	68	255	375	58	110	640	120	110	140	50	72	340	40	50	R3/4"	54	132
2155250009	215-5-2500 K	215	68	255	375	58	110	690	120	110	140	50	72	370	40	50	R3/4"	59	140
2156108009	215-6-1080 K	215	68	255	375	58	110	340	120	110	140	50	72	160	40	50	R3/4"	26	87
2156138009	215-6-1380 K	215	68	255	375	58	110	390	120	110	140	50	72	190	40	50	R3/4"	31	95
2156168009	215-6-1680 K	215	68	255	375	58	110	440	120	110	140	50	72	220	40	50	R3/4"	36	103
2156198009	215-6-1980 K	215	68	255	375	58	110	490	120	110	140	50	72	250	40	50	R3/4"	41	111
2156228009	215-6-2280 K	215	68	255	375	58	110	540	120	110	140	50	72	280	40	50	R3/4"	46	119
2156258009	215-6-2580 K	215	68	255	375	58	110	590	120	110	140	50	72	310	40	50	R3/4"	51	127
2156270009	215-6-2700 K	215	68	255	375	58	110	640	120	110	140	50	72	340	40	50	R3/4"	56	135
2156300009	215-6-3000 K	215	68	255	375	58	110	690	120	110	140	50	72	370	40	50	R3/4"	61	143
215590009	245-5-900 K	245	68	280	400	58	110	340	120	110	140	50	72	160	40	50	R3/4"	33	101
2455115009	245-5-1150 K	245	68	280	400	58	110	390	120	110	140	50	72	190	40	50	R3/4"	37	113
2455140009	245-5-1400 K	245	68	280	400	58	110	440	120	110	140	50	72	220	40	50	R3/4"	41	125
2455165009	245-5-1650 K	245	68	280	400	58	110	490	120	110	140	50	72	250	40	50	R3/4"	45	137
2455190009	245-5-1900 K	245	68	280	400	58	110	540	120	110	140	50	72	280	40	50	R3/4"	49	149
2455215009	245-5-2150 K	245	68	280	400	58	110	590	120	110	140	50	72	310	40	50	R3/4"	51	161
2455225009	245-5-2250 K	245	68	280	400	58	110	640	120	110	140	50	72	340	40	50	R3/4"	55	173
2455250009	245-5-2500 K	245	68	280	400	58	110	690	120	110	140	50	72	370	40	50	R3/4"	59	185
2456108009	245-6-1080 K	245	68	280	400	58	110	340	120	110	140	50	72	160	40	50	R3/4"	35	106
2456138009	245-6-1380 K	245	68	280	400	58	110	390	120	110	140	50	72	190	40	50	R3/4"	39	118
2456168009	245-6-1680 K	245	68	280	400	58	110	440	120	110	140	50	72	220	40	50	R3/4"	43	130
2456198009	245-6-1980 K	245	68	280	400	58	110	490	120	110	140	50	72	250	40	50	R3/4"	47	142
2456228009	245-6-2280 K	245	68	280	400	58	110	540	120	110	140	50	72	280	40	50	R3/4"	51	154
2456258009	245-6-2580 K	245	68	280	400	58	110	590	120	110	140	50	72	310	40	50	R3/4"	53	166
2456270009	245-6-2700 K	245	68	280	400	58	110	640	120	110	140	50	72	340	40	50	R3/4"	55	178
2456300009	245-6-3000 K	245	68	280	400	58	110	690	120	110	140	50	72	370	40	50	R3/4"	61	190
245784009	245-7-840 K	245	68	280	400	58	110	340	120	110	140	50	72	160	40	50	R3/4"	36	110
2457161009	245-7-1610 K	245	68	280	400	58	110	390	120	110	140	50	72	190	40	50	R3/4"	41	122
2457196009	245-7-1960 K	245	68	280	400	58	110	440	120	110	140	50	72	220	40	50	R3/4"	45	134
2457231009	245-7-2310 K	245	68	280	400	58	110	490	120	110	140	50	72	250	40	50	R3/4"	48	146
2457266009	245-7-2660 K	245	68	280	400	58	110	540	120	110	140	50	72	280	40	50	R3/4"	52	158
2457301009	245-7-3010 K	245	68	280	400	58	110	590	120	110	140	50	72	310	40	50	R3/4"	55	170
2457315009	245-7-3150 K	245	68	280	400	58	110	640	120	110	140	50	72	340	40	50	R3/4"	57	182
2457350009	245-7-3500 K	245	68	280	400	58	110	690	120	110	140	50	72	370	40	50	R3/4"	63	194
2458144009	245-8-1440 K	245	68	280	400	58	110	340	120	110	140	50	72	160	40	50	R3/4"	38	113
2458184009	245-8-1840 K	245	68	280	400	58	110	390	120	110	140	50	72	190	40	50	R3/4"	43	125
2458224009	245-8-2240 K	245	68	280	400	58	110	440	120	110	140	50	72	220	40	50	R3/4"	48	137
2458264009	245-8-2640 K	245	68	280	400	58	110	490	120	110	140	50	72	250	40	50	R3/4"	50	149
2458304009	245-8-3040 K	245	68	280	400	58	110	540	120	110	140	50	72	280	40	50	R3/4"	54	161
2458344009	245-8-3440 K	245	68	280	400	58	110	590	120	110	140	50	72	310	40	50	R3/4"	57	173
2458360009	245-8-3600 K	245	68	280	400	58	110	640	120	110	140	50	72	340	40	50	R3/4"	59	185
2458400009	245-8-4000 K	245	68	280	400	58	110	690	120	110	140	50	72	370	40	50	R3/4"	65	197

L TİPİ

L TYPE

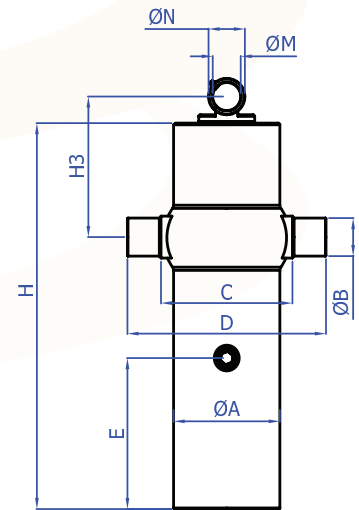
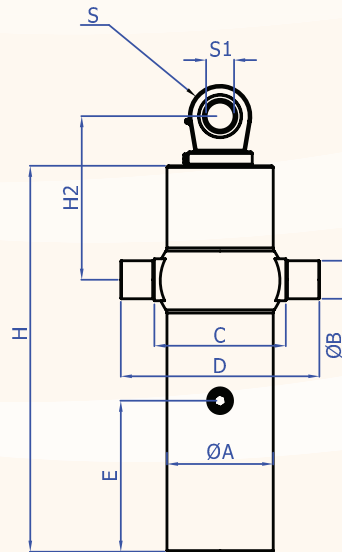
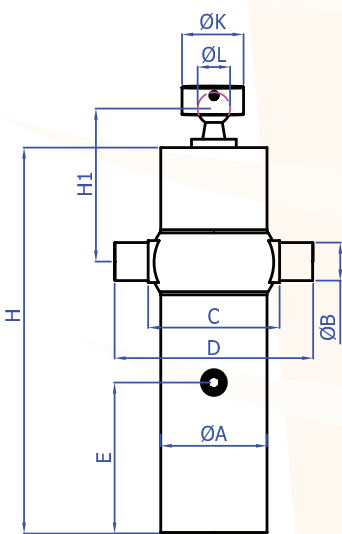
L1



L2



L3



ORTADAN KALDIRMALI TELESKOPİK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

L TİPİ

L TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M	N	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)
138354010	138-3-540 L	138	55	165	265	58	110	340	270	260	290	40	55	50	40	50	R3/4"	7
138369010	138-3-690 L	138	55	165	265	58	110	390	270	260	290	40	55	80	40	50	R3/4"	8
138384010	138-3-840 L	138	55	165	265	58	110	440	270	260	290	40	55	110	40	50	R3/4"	9
138399010	138-3-990 L	138	55	165	265	58	110	490	270	260	290	40	55	140	40	50	R3/4"	10
1383114010	138-3-1140 L	138	55	165	265	58	110	540	270	260	290	40	55	170	40	50	R3/4"	11
1383129010	138-3-1290 L	138	55	165	265	58	110	590	270	260	290	40	55	200	40	50	R3/4"	13
1383135010	138-3-1350 L	138	55	165	265	58	110	640	270	260	290	40	55	230	40	50	R3/4"	15
1383150010	138-3-1500 L	138	55	165	265	58	110	690	270	260	290	40	55	240	40	50	R3/4"	18
138472010	138-4-720 L	138	55	165	265	58	110	340	270	260	290	40	55	50	40	50	R3/4"	9
138492010	138-4-920 L	138	55	165	265	58	110	390	270	260	290	40	55	80	40	50	R3/4"	10
1384112010	138-4-1120 L	138	55	165	265	58	110	440	270	260	290	40	55	110	40	50	R3/4"	12
1384132010	138-4-1320 L	138	55	165	265	58	110	490	270	260	290	40	55	140	40	50	R3/4"	14
1384152010	138-4-1520 L	138	55	165	265	58	110	540	270	260	290	40	55	170	40	50	R3/4"	15
1384172010	138-4-1720 L	138	55	165	265	58	110	590	270	260	290	40	55	200	40	50	R3/4"	17
1384180010	138-4-1800 L	138	55	165	265	58	110	640	270	260	290	40	55	230	40	50	R3/4"	18
1384200010	138-4-2000 L	138	55	165	265	58	110	690	270	260	290	40	55	240	40	50	R3/4"	20
165354010	165-3-540 L	165	68	200	320	58	110	340	270	260	290	50	72	50	40	50	R3/4"	13
165369010	165-3-690 L	165	68	200	320	58	110	390	270	260	290	50	72	80	40	50	R3/4"	15
165384010	165-3-840 L	165	68	200	320	58	110	440	270	260	290	50	72	110	40	50	R3/4"	18
165399010	165-3-990 L	165	68	200	320	58	110	490	270	260	290	50	72	140	40	50	R3/4"	20
1653114010	165-3-1140 L	165	68	200	320	58	110	540	270	260	290	50	72	170	40	50	R3/4"	22
1653129010	165-3-1290 L	165	68	200	320	58	110	590	270	260	290	50	72	200	40	50	R3/4"	24
1653135010	165-3-1350 L	165	68	200	320	58	110	640	270	260	290	50	72	230	40	50	R3/4"	26
1653150010	165-3-1500 L	165	68	200	320	58	110	690	270	260	290	50	72	240	40	50	R3/4"	28
165472010	165-4-720 L	165	68	200	320	58	110	340	270	260	290	50	72	50	40	50	R3/4"	15
165492010	165-4-920 L	165	68	200	320	58	110	390	270	260	290	50	72	80	40	50	R3/4"	17
1654112010	165-4-1120 L	165	68	200	320	58	110	440	270	260	290	50	72	110	40	50	R3/4"	20
1654132010	165-4-1320 L	165	68	200	320	58	110	490	270	260	290	50	72	140	40	50	R3/4"	22
1654152010	165-4-1520 L	165	68	200	320	58	110	540	270	260	290	50	72	170	40	50	R3/4"	24
1654172010	165-4-1720 L	165	68	200	320	58	110	590	270	260	290	50	72	200	40	50	R3/4"	26
1654180010	165-4-1800 L	165	68	200	320	58	110	640	270	260	290	50	72	230	40	50	R3/4"	28
1654200010	165-4-2000 L	165	68	200	320	58	110	690	270	260	290	50	72	240	40	50	R3/4"	30
165590010	165-5-900 L	165	68	200	320	58	110	340	270	260	290	50	72	50	40	50	R3/4"	16
1655115010	165-5-1150 L	165	68	200	320	58	110	390	270	260	290	50	72	80	40	50	R3/4"	18
1655140010	165-5-1400 L	165	68	200	320	58	110	440	270	260	290	50	72	110	40	50	R3/4"	21
1655165010	165-5-1650 L	165	68	200	320	58	110	490	270	260	290	50	72	140	40	50	R3/4"	23
1655190010	165-5-1900 L	165	68	200	320	58	110	540	270	260	290	50	72	170	40	50	R3/4"	25
1655215010	165-5-2150 L	165	68	200	320	58	110	590	270	260	290	50	72	200	40	50	R3/4"	27
1655225010	165-5-2250 L	165	68	200	320	58	110	640	270	260	290	50	72	230	40	50	R3/4"	29
1655250010	165-5-2500 L	165	68	200	320	58	110	690	270	260	290	50	72	240	40	50	R3/4"	31
190354010	190-3-540 L	190	68	225	345	58	110	340	270	260	290	50	72	50	40	50	R3/4"	11
190369010	190-3-690 L	190	68	225	345	58	110	390	270	260	290	50	72	80	40	50	R3/4"	13
190384010	190-3-840 L	190	68	225	345	58	110	440	270	260	290	50	72	110	40	50	R3/4"	16
190399010	190-3-990 L	190	68	225	345	58	110	490	270	260	290	50	72	140	40	50	R3/4"	18
1903114010	190-3-1140 L	190	68	225	345	58	110	540	270	260	290	50	72	170	40	50	R3/4"	21
1903129010	190-3-1290 L	190	68	225	345	58	110	590	270	260	290	50	72	200	40	50	R3/4"	27
1903135010	190-3-1350 L	190	68	225	345	58	110	640	270	260	290	50	72	230	40	50	R3/4"	33

ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

L TİPİ

L TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M	N	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)
1903150010	190-3-1500 L	190	68	225	345	58	110	690	270	260	290	50	72	240	40	50	R3/4"	40
190472010	190-4-720 L	190	68	225	345	58	110	340	270	260	290	50	72	50	40	50	R3/4"	12
190492010	190-4-920 L	190	68	225	345	58	110	390	270	260	290	50	72	80	40	50	R3/4"	14
1904112010	190-4-1120 L	190	68	225	345	58	110	440	270	260	290	50	72	110	40	50	R3/4"	17
1904132010	190-4-1320 L	190	68	225	345	58	110	490	270	260	290	50	72	140	40	50	R3/4"	19
1904152010	190-4-1520 L	190	68	225	345	58	110	540	270	260	290	50	72	170	40	50	R3/4"	22
1904172010	190-4-1720 L	190	68	225	345	58	110	590	270	260	290	50	72	200	40	50	R3/4"	28
1904180010	190-4-1800 L	190	68	225	345	58	110	640	270	260	290	50	72	230	40	50	R3/4"	34
1904200010	190-4-2000 L	190	68	225	345	58	110	690	270	260	290	50	72	240	40	50	R3/4"	41
190590010	190-5-900 L	190	68	225	345	58	110	340	270	260	290	50	72	50	40	50	R3/4"	13
1905115010	190-5-1150 L	190	68	225	345	58	110	390	270	260	290	50	72	80	40	50	R3/4"	15
1905140010	190-5-1400 L	190	68	225	345	58	110	440	270	260	290	50	72	110	40	50	R3/4"	18
1905165010	190-5-1650 L	190	68	225	345	58	110	490	270	260	290	50	72	140	40	50	R3/4"	21
1905190010	190-5-1900 L	190	68	225	345	58	110	540	270	260	290	50	72	170	40	50	R3/4"	24
1905215010	190-5-2150 L	190	68	225	345	58	110	590	270	260	290	50	72	200	40	50	R3/4"	30
1905225010	190-5-2250 L	190	68	225	345	58	110	640	270	260	290	50	72	230	40	50	R3/4"	36
1905250010	190-5-2500 L	190	68	225	345	58	110	690	270	260	290	50	72	240	40	50	R3/4"	43
190672010	190-6-720 L	190	68	225	345	58	110	340	270	260	290	50	72	50	40	50	R3/4"	14
1906138010	190-6-1380 L	190	68	225	345	58	110	390	270	260	290	50	72	80	40	50	R3/4"	17
1906168010	190-6-1680 L	190	68	225	345	58	110	440	270	260	290	50	72	110	40	50	R3/4"	20
1906198010	190-6-1980 L	190	68	225	345	58	110	490	270	260	290	50	72	140	40	50	R3/4"	23
1906228010	190-6-2280 L	190	68	225	345	58	110	540	270	260	290	50	72	170	40	50	R3/4"	26
1906258010	190-6-2580 L	190	68	225	345	58	110	590	270	260	290	50	72	200	40	50	R3/4"	32
1906270010	190-6-2700 L	190	68	225	345	58	110	640	270	260	290	50	72	230	40	50	R3/4"	38
1906300010	190-6-3000 L	190	68	225	345	58	110	690	270	260	290	50	72	240	40	50	R3/4"	45
215354010	215-3-540 L	215	68	255	375	58	110	340	270	260	290	50	72	50	40	50	R3/4"	15
215369010	215-3-690 L	215	68	255	375	58	110	390	270	260	290	50	72	80	40	50	R3/4"	20
215384010	215-3-840 L	215	68	255	375	58	110	440	270	260	290	50	72	110	40	50	R3/4"	25
215399010	215-3-990 L	215	68	255	375	58	110	490	270	260	290	50	72	140	40	50	R3/4"	30
2153114010	215-3-1140 L	215	68	255	375	58	110	540	270	260	290	50	72	170	40	50	R3/4"	35
2153129010	215-3-1290 L	215	68	255	375	58	110	590	270	260	290	50	72	200	40	50	R3/4"	40
2153135010	215-3-1350 L	215	68	255	375	58	110	640	270	260	290	50	72	230	40	50	R3/4"	45
2153150010	215-3-1500 L	215	68	255	375	58	110	690	270	260	290	50	72	240	40	50	R3/4"	50
215472010	215-4-720 L	215	68	255	375	58	110	340	270	260	290	50	72	50	40	50	R3/4"	20
215492010	215-4-920 L	215	68	255	375	58	110	390	270	260	290	50	72	80	40	50	R3/4"	25
2154112010	215-4-1120 L	215	68	255	375	58	110	440	270	260	290	50	72	110	40	50	R3/4"	30
2154132010	215-4-1320 L	215	68	255	375	58	110	490	270	260	290	50	72	140	40	50	R3/4"	35
2154152010	215-4-1520 L	215	68	255	375	58	110	540	270	260	290	50	72	170	40	50	R3/4"	40
2154172010	215-4-1720 L	215	68	255	375	58	110	590	270	260	290	50	72	200	40	50	R3/4"	45
2154180010	215-4-1800 L	215	68	255	375	58	110	640	270	260	290	50	72	230	40	50	R3/4"	50
2154200010	215-4-2000 L	215	68	255	375	58	110	690	270	260	290	50	72	240	40	50	R3/4"	55
215590010	215-5-900 L	215	68	255	375	58	110	340	270	260	290	50	72	50	40	50	R3/4"	24
2155115010	215-5-1150 L	215	68	255	375	58	110	390	270	260	290	50	72	80	40	50	R3/4"	29
2155140010	215-5-1400 L	215	68	255	375	58	110	440	270	260	290	50	72	110	40	50	R3/4"	34
2155165010	215-5-1650 L	215	68	255	375	58	110	490	270	260	290	50	72	140	40	50	R3/4"	39
2155190010	215-5-1900 L	215	68	255	375	58	110	540	270	260	290	50	72	170	40	50	R3/4"	44
2155215010	215-5-2150 L	215	68	255	375	58	110	590	270	260	290	50	72	200	40	50	R3/4"	49

ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER

UNDER BODY TELESCOPIC CYLINDERS

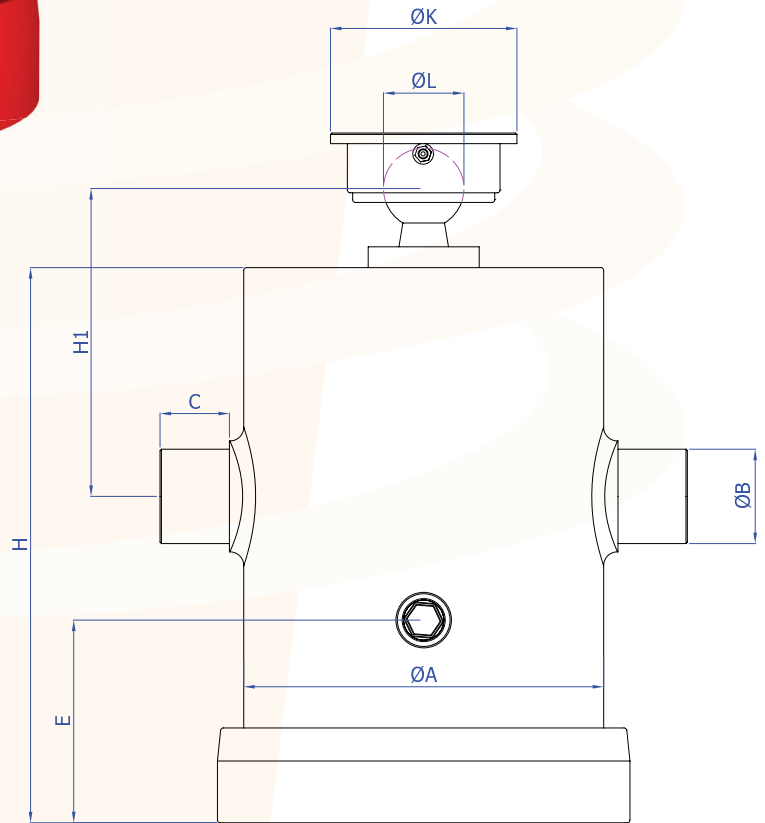
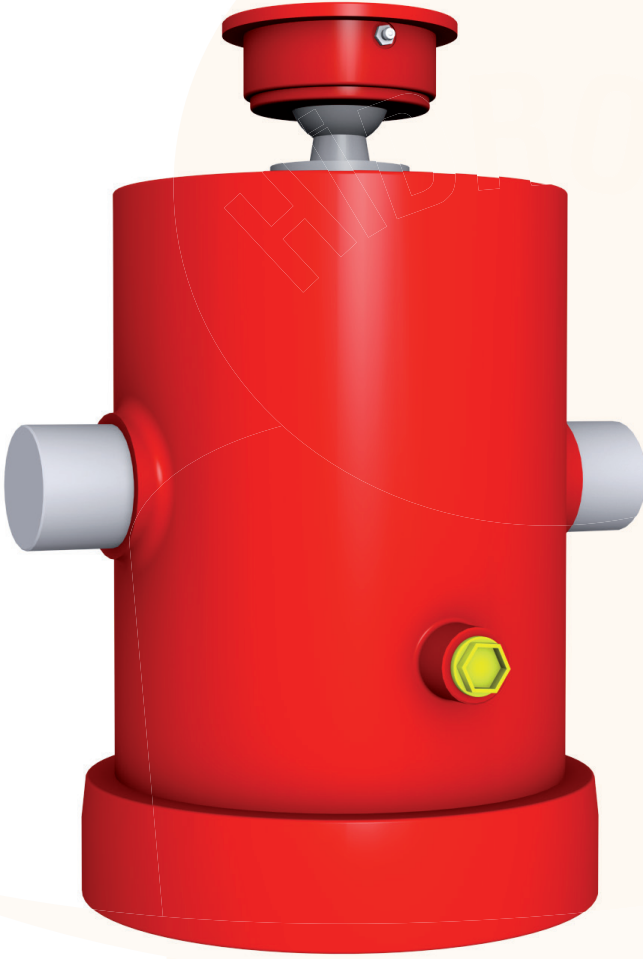
L TİPİ

L TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	L (Ø)	K (Ø)	H	H1	H2	H3	M	N	E	S	S1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)
2155225010	215-5-2250 L	215	68	255	375	58	110	640	270	260	290	50	72	230	40	50	R3/4"	54
2155250010	215-5-2500 L	215	68	255	375	58	110	690	270	260	290	50	72	240	40	50	R3/4"	59
2156108010	215-6-1080 L	215	68	255	375	58	110	340	270	260	290	50	72	50	40	50	R3/4"	26
2156138010	215-6-1380 L	215	68	255	375	58	110	390	270	260	290	50	72	80	40	50	R3/4"	31
2156168010	215-6-1680 L	215	68	255	375	58	110	440	270	260	290	50	72	110	40	50	R3/4"	36
2156198010	215-6-1980 L	215	68	255	375	58	110	490	270	260	290	50	72	140	40	50	R3/4"	41
2156228010	215-6-2280 L	215	68	255	375	58	110	540	270	260	290	50	72	170	40	50	R3/4"	46
2156258010	215-6-2580 L	215	68	255	375	58	110	590	270	260	290	50	72	200	40	50	R3/4"	51
2156270010	215-6-2700 L	215	68	255	375	58	110	640	270	260	290	50	72	230	40	50	R3/4"	56
2156300010	215-6-3000 L	215	68	255	375	58	110	690	270	260	290	50	72	240	40	50	R3/4"	61
215590010	245-5-900 L	245	68	280	400	58	110	340	270	260	290	50	72	50	40	50	R3/4"	33
2455115010	245-5-1150 L	245	68	280	400	58	110	390	270	260	290	50	72	80	40	50	R3/4"	37
2455140010	245-5-1400 L	245	68	280	400	58	110	440	270	260	290	50	72	110	40	50	R3/4"	41
2455165010	245-5-1650 L	245	68	280	400	58	110	490	270	260	290	50	72	140	40	50	R3/4"	45
2455190010	245-5-1900 L	245	68	280	400	58	110	540	270	260	290	50	72	170	40	50	R3/4"	49
2455215010	245-5-2150 L	245	68	280	400	58	110	590	270	260	290	50	72	200	40	50	R3/4"	51
2455225010	245-5-2250 L	245	68	280	400	58	110	640	270	260	290	50	72	230	40	50	R3/4"	55
2455250010	245-5-2500 L	245	68	280	400	58	110	690	270	260	290	50	72	240	40	50	R3/4"	59
2456108010	245-6-1080 L	245	68	280	400	58	110	340	270	260	290	50	72	50	40	50	R3/4"	35
2456138010	245-6-1380 L	245	68	280	400	58	110	390	270	260	290	50	72	80	40	50	R3/4"	39
2456168010	245-6-1680 L	245	68	280	400	58	110	440	270	260	290	50	72	110	40	50	R3/4"	43
2456198010	245-6-1980 L	245	68	280	400	58	110	490	270	260	290	50	72	140	40	50	R3/4"	47
2456228010	245-6-2280 L	245	68	280	400	58	110	540	270	260	290	50	72	170	40	50	R3/4"	51
2456258010	245-6-2580 L	245	68	280	400	58	110	590	270	260	290	50	72	200	40	50	R3/4"	53
2456270010	245-6-2700 L	245	68	280	400	58	110	640	270	260	290	50	72	230	40	50	R3/4"	55
2456300010	245-6-3000 L	245	68	280	400	58	110	690	270	260	290	50	72	240	40	50	R3/4"	61
245784010	245-7-840 L	245	68	280	400	58	110	340	270	260	290	50	72	50	40	50	R3/4"	36
2457161010	245-7-1610 L	245	68	280	400	58	110	390	270	260	290	50	72	80	40	50	R3/4"	41
2457196010	245-7-1960 L	245	68	280	400	58	110	440	270	260	290	50	72	110	40	50	R3/4"	45
2457231010	245-7-2310 L	245	68	280	400	58	110	490	270	260	290	50	72	140	40	50	R3/4"	48
2457266010	245-7-2660 L	245	68	280	400	58	110	540	270	260	290	50	72	170	40	50	R3/4"	52
2457301010	245-7-3010 L	245	68	280	400	58	110	590	270	260	290	50	72	200	40	50	R3/4"	55
2457315010	245-7-3150 L	245	68	280	400	58	110	640	270	260	290	50	72	230	40	50	R3/4"	57
2457350010	245-7-3500 L	245	68	280	400	58	110	690	270	260	290	50	72	240	40	50	R3/4"	63
2458144010	245-8-1440 L	245	68	280	400	58	110	340	270	260	290	50	72	50	40	50	R3/4"	38
2458184010	245-8-1840 L	245	68	280	400	58	110	390	270	260	290	50	72	80	40	50	R3/4"	43
2458224010	245-8-2240 L	245	68	280	400	58	110	440	270	260	290	50	72	110	40	50	R3/4"	48
2458264010	245-8-2640 L	245	68	280	400	58	110	490	270	260	290	50	72	140	40	50	R3/4"	50
2458304010	245-8-3040 L	245	68	280	400	58	110	540	270	260	290	50	72	170	40	50	R3/4"	54
2458344010	245-8-3440 L	245	68	280	400	58	110	590	270	260	290	50	72	200	40	50	R3/4"	57
2458360010	245-8-3600 L	245	68	280	400	58	110	640	270	260	290	50	72	230	40	50	R3/4"	59
2458400010	245-8-4000 L	245	68	280	400	58	110	690	270	260	290	50	72	240	40	50	R3/4"	65

M TİPİ

M TYPE



ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

M TİPİ

M TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	E	H	H1	L (Ø)	K (Ø)	ALT KAPAK ÇAPI (Down Cover Dia.)	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
138330011	138-3-300 M	138	55	50	85	26	180	58	110	180	R 3/4"	7	32
138360011	138-3-600 M	138	55	50	100	36	200	58	110	180	R 3/4"	9	40
138390011	138-3-900 M	138	55	50	115	46	220	58	110	180	R 3/4"	11	48
1383120011	138-3-1200 M	138	55	50	130	56	240	58	110	180	R 3/4"	13	56
1383150011	138-3-1500 M	138	55	50	145	69	260	58	110	180	R 3/4"	15	64
1383180011	138-3-1800 M	138	55	50	160	79	280	58	110	180	R 3/4"	17	72
1383210011	138-3-2100 M	138	55	50	175	89	300	58	110	180	R 3/4"	19	80
138440011	138-4-400 M	138	55	50	85	26	180	58	110	180	R 3/4"	8	35
138480011	138-4-800 M	138	55	50	100	36	200	58	110	180	R 3/4"	10	43
1384120011	138-4-1200 M	138	55	50	115	46	220	58	110	180	R 3/4"	12	51
1384160011	138-4-1600 M	138	55	50	130	56	240	58	110	180	R 3/4"	14	59
1384200011	138-4-2000 M	138	55	50	145	69	260	58	110	180	R 3/4"	16	67
1384240011	138-4-2400 M	138	55	50	160	79	280	58	110	180	R 3/4"	18	75
1384280011	138-4-2800 M	138	55	50	175	89	300	58	110	180	R 3/4"	20	83
165330011	165-3-300 M	165	68	60	85	26	180	58	110	205	R 3/4"	10	36
165360011	165-3-600 M	165	68	60	100	36	200	58	110	205	R 3/4"	12	45
165390011	165-3-900 M	165	68	60	115	46	220	58	110	205	R 3/4"	14	54
1653120011	165-3-1200 M	165	68	60	130	56	240	58	110	205	R 3/4"	16	63
1653150011	165-3-1500 M	165	68	60	145	69	260	58	110	205	R 3/4"	18	72
1653180011	165-3-1800 M	165	68	60	160	79	280	58	110	205	R 3/4"	20	81
1653210011	165-3-2100 M	165	68	60	175	89	300	58	110	205	R 3/4"	22	90
165440011	165-4-400 M	165	68	60	85	26	180	58	110	205	R 3/4"	11	38
165480011	165-4-800 M	165	68	60	100	36	200	58	110	205	R 3/4"	13	50
1654120011	165-4-1200 M	165	68	60	115	46	220	58	110	205	R 3/4"	15	62
1654160011	165-4-1600 M	165	68	60	130	56	240	58	110	205	R 3/4"	17	74
1654200011	165-4-2000 M	165	68	60	145	69	260	58	110	205	R 3/4"	19	86
1654240011	165-4-2400 M	165	68	60	160	79	280	58	110	205	R 3/4"	21	98
1654280011	165-4-2800 M	165	68	60	175	89	300	58	110	205	R 3/4"	23	110
165550011	165-5-500 M	165	68	60	85	26	180	58	110	205	R 3/4"	12	40
1655100011	165-5-1000 M	165	68	60	100	36	200	58	110	205	R 3/4"	14	52
1655150011	165-5-1500 M	165	68	60	115	46	220	58	110	205	R 3/4"	16	64
1655200011	165-5-2000 M	165	68	60	130	56	240	58	110	205	R 3/4"	18	76
1655250011	165-5-2500 M	165	68	60	145	69	260	58	110	205	R 3/4"	20	88
1655300011	165-5-3000 M	165	68	60	160	79	280	58	110	205	R 3/4"	22	100
1655350011	165-5-3500 M	165	68	60	175	89	300	58	110	205	R 3/4"	24	112
190330011	190-3-300 M	190	68	60	85	26	180	58	110	230	R 3/4"	13	41
190360011	190-3-600 M	190	68	60	100	36	200	58	110	230	R 3/4"	15	54
190390011	190-3-900 M	190	68	60	115	46	220	58	110	230	R 3/4"	17	67
1903120011	190-3-1200 M	190	68	60	130	56	240	58	110	230	R 3/4"	19	80
1903150011	190-3-1500 M	190	68	60	145	69	260	58	110	230	R 3/4"	21	93
1903180011	190-3-1800 M	190	68	60	160	79	280	58	110	230	R 3/4"	23	106
1903210011	190-3-2100 M	190	68	60	175	89	300	58	110	230	R 3/4"	25	119
190440011	190-4-400 M	190	68	60	85	26	180	58	110	230	R 3/4"	14	45
190480011	190-4-800 M	190	68	60	100	36	200	58	110	230	R 3/4"	16	59
1904120011	190-4-1200 M	190	68	60	115	46	220	58	110	230	R 3/4"	18	73
1904160011	190-4-1600 M	190	68	60	130	56	240	58	110	230	R 3/4"	20	87
1904200011	190-4-2000 M	190	68	60	145	69	260	58	110	230	R 3/4"	22	101

ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

M TİPİ

M TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	E	H	H1	L (Ø)	K (Ø)	ALT KAPAK ÇAPİ (Down Cover Dia.)	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
1904240011	190-4-2400 M	190	68	60	160	79	280	58	110	230	R 3/4"	24	115
1904280011	190-4-2800 M	190	68	60	175	89	300	58	110	230	R 3/4"	26	129
190550011	190-5-500 M	190	68	60	85	26	180	58	110	230	R 3/4"	16	49
1905100011	190-5-1000 M	190	68	60	100	36	200	58	110	230	R 3/4"	18	64
1905150011	190-5-1500 M	190	68	60	115	46	220	58	110	230	R 3/4"	20	79
1905200011	190-5-2000 M	190	68	60	130	56	240	58	110	230	R 3/4"	22	94
1905250011	190-5-2500 M	190	68	60	145	69	260	58	110	230	R 3/4"	24	109
1905300011	190-5-3000 M	190	68	60	160	79	280	58	110	230	R 3/4"	26	124
1905350011	190-5-3500 M	190	68	60	175	89	300	58	110	230	R 3/4"	28	139
190660011	190-6-600 M	190	68	60	85	26	180	58	110	230	R 3/4"	17	52
1906120011	190-6-1200 M	190	68	60	100	36	200	58	110	230	R 3/4"	19	67
1906180011	190-6-1800 M	190	68	60	115	46	220	58	110	230	R 3/4"	21	82
1906240011	190-6-2400 M	190	68	60	130	56	240	58	110	230	R 3/4"	23	97
1906300011	190-6-3000 M	190	68	60	145	69	260	58	110	230	R 3/4"	25	112
1906360011	190-6-3600 M	190	68	60	160	79	280	58	110	230	R 3/4"	27	127
1906420011	190-6-4200 M	190	68	60	175	89	300	58	110	230	R 3/4"	29	142
215440011	215-4-400 M	215	68	60	85	26	180	58	110	255	R 3/4"	21	55
215480011	215-4-800 M	215	68	60	100	36	200	58	110	255	R 3/4"	30	72
2154120011	215-4-1200 M	215	68	60	115	46	220	58	110	255	R 3/4"	39	89
2154160011	215-4-1600 M	215	68	60	130	56	240	58	110	255	R 3/4"	48	106
2154200011	215-4-2000 M	215	68	60	145	69	260	58	110	255	R 3/4"	57	123
2154240011	215-4-2400 M	215	68	60	160	79	280	58	110	255	R 3/4"	66	140
2154280011	215-4-2800 M	215	68	60	175	89	300	58	110	255	R 3/4"	73	157
2154320011	215-4-3200 M	215	68	60	190	99	320	58	110	255	R 3/4"	82	174
215550011	215-5-500 M	215	68	60	85	26	180	58	110	255	R 3/4"	22	60
2155100011	215-5-1000 M	215	68	60	100	36	200	58	110	255	R 3/4"	32	80
2155150011	215-5-1500 M	215	68	60	115	46	220	58	110	255	R 3/4"	42	100
2155200011	215-5-2000 M	215	68	60	130	56	240	58	110	255	R 3/4"	52	120
2155250011	215-5-2500 M	215	68	60	145	69	260	58	110	255	R 3/4"	62	140
2155300011	215-5-3000 M	215	68	60	160	79	280	58	110	255	R 3/4"	72	160
2155350011	215-5-3500 M	215	68	60	175	89	300	58	110	255	R 3/4"	82	180
2155400011	215-5-4000 M	215	68	60	190	99	320	58	110	255	R 3/4"	92	200
215660011	215-6-600 M	215	68	60	85	26	180	58	110	255	R 3/4"	23	63
2156120011	215-6-1200 M	215	68	60	100	36	200	58	110	255	R 3/4"	33	83
2156180011	215-6-1800 M	215	68	60	115	46	220	58	110	255	R 3/4"	43	103
2156240011	215-6-2400 M	215	68	60	130	56	240	58	110	255	R 3/4"	53	123
2156300011	215-6-3000 M	215	68	60	145	69	260	58	110	255	R 3/4"	63	143
2156360011	215-6-3600 M	215	68	60	160	79	280	58	110	255	R 3/4"	73	163
2156420011	215-6-4200 M	215	68	60	175	89	300	58	110	255	R 3/4"	83	183
2156480011	215-6-4800 M	215	68	60	190	99	320	58	100	255	R 3/4"	93	203
215770011	215-7-700 M	215	68	60	85	26	180	58	110	255	R 3/4"	25	65
2157140011	215-7-1400 M	215	68	60	100	36	200	58	110	255	R 3/4"	35	85
2157210011	215-7-2100 M	215	68	60	115	46	220	58	110	255	R 3/4"	45	105
2157280011	215-7-2800 M	215	68	60	130	56	240	58	110	255	R 3/4"	55	125
2157350011	215-7-3500 M	215	68	60	145	69	260	58	110	255	R 3/4"	65	145
2157420011	215-7-4200 M	215	68	60	160	79	280	58	110	255	R 3/4"	75	165
2157490011	215-7-4900 M	215	68	60	175	89	300	58	110	255	R 3/4"	85	185

ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

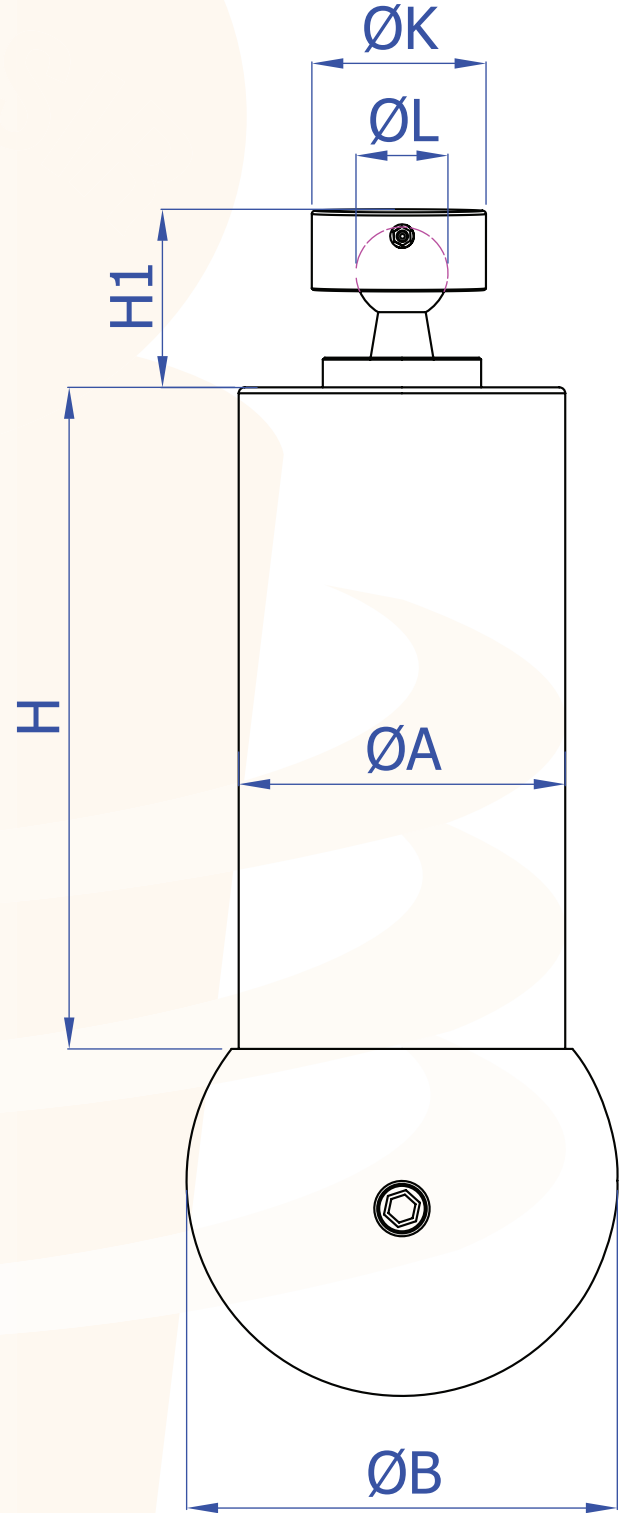
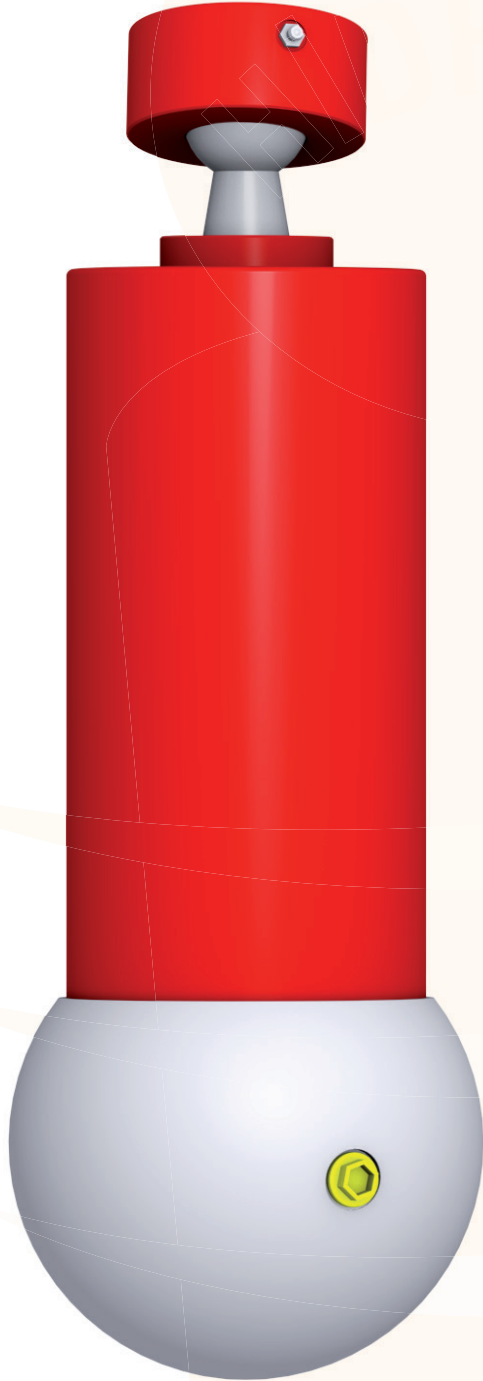
M TİPİ

M TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	E	H	H1	L (Ø)	K (Ø)	ALT KAPAK ÇAPI (Down Cover Dia.)	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
2157560011	215-7-5600 M	215	68	60	190	99	320	58	110	255	R 3/4"	95	205
245550011	245-5-500 M	245	68	60	85	26	180	58	110	285	R 1"	30	76
2455100011	245-5-1000 M	245	68	60	100	36	200	58	110	285	R 1"	44	101
2455150011	245-5-1500 M	245	68	60	115	46	220	58	110	285	R 1"	58	126
2455200011	245-5-2000 M	245	68	60	130	56	240	58	110	285	R 1"	72	151
2455250011	245-5-2500 M	245	68	60	145	69	260	58	110	285	R 1"	86	176
2455300011	245-5-3000 M	245	68	60	160	79	280	58	110	285	R 1"	100	201
2455350011	245-5-3500 M	245	68	60	175	89	300	58	110	285	R 1"	114	226
2455400011	245-5-4000 M	245	68	60	190	99	320	58	110	285	R 1"	128	251
245660011	245-6-600 M	245	68	60	85	26	180	58	110	285	R 1"	46	80
2456120011	245-6-1200 M	245	68	60	100	36	200	58	110	285	R 1"	60	105
2456180011	245-6-1800 M	245	68	60	115	46	220	58	110	285	R 1"	74	130
2456240011	245-6-2400 M	245	68	60	130	56	240	58	110	285	R 1"	88	155
2456300011	245-6-3000 M	245	68	60	145	69	260	58	110	285	R 1"	102	180
2456360011	245-6-3600 M	245	68	60	160	79	280	58	110	285	R 1"	116	205
2456420011	245-6-4200 M	245	68	60	175	89	300	58	110	285	R 1"	130	230
2456480011	245-6-4800 M	245	68	60	190	99	320	58	110	285	R 1"	144	255
245770011	245-7-700 M	245	68	60	85	26	180	58	110	285	R 1"	48	83
2457140011	245-7-1400 M	245	68	60	100	36	200	58	110	285	R 1"	62	108
2457210011	245-7-2100 M	245	68	60	115	46	220	58	110	285	R 1"	76	133
2457280011	245-7-2800 M	245	68	60	130	56	240	58	110	285	R 1"	90	158
2457350011	245-7-3500 M	245	68	60	145	69	260	58	110	285	R 1"	104	183
2457420011	245-7-4200 M	245	68	60	160	79	280	58	110	285	R 1"	118	208
2457490011	245-7-4900 M	245	68	60	175	89	300	58	110	285	R 1"	132	233
2457560011	245-7-5600 M	245	68	60	190	99	320	58	110	285	R 1"	146	258
245880011	245-8-800 M	245	68	60	85	26	180	58	110	285	R 1"	49	85
2458160011	245-8-1600 M	245	68	60	100	36	200	58	110	285	R 1"	63	110
2458240011	245-8-2400 M	245	68	60	115	46	220	58	110	285	R 1"	77	135
2458320011	245-8-3200 M	245	68	60	130	56	240	58	110	285	R 1"	91	160
2458400011	245-8-4000 M	245	68	60	145	69	260	58	110	285	R 1"	105	185
2458480011	245-8-4800 M	245	68	60	160	79	280	58	110	285	R 1"	119	210
2458560011	245-8-5600 M	245	68	60	175	89	300	58	110	285	R 1"	133	235
2458640011	245-8-6400 M	245	68	60	190	99	320	58	110	285	R 1"	147	260

N TİPİ

N TYPE



ORTADAN KALDIRMALI TELESKOPIK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

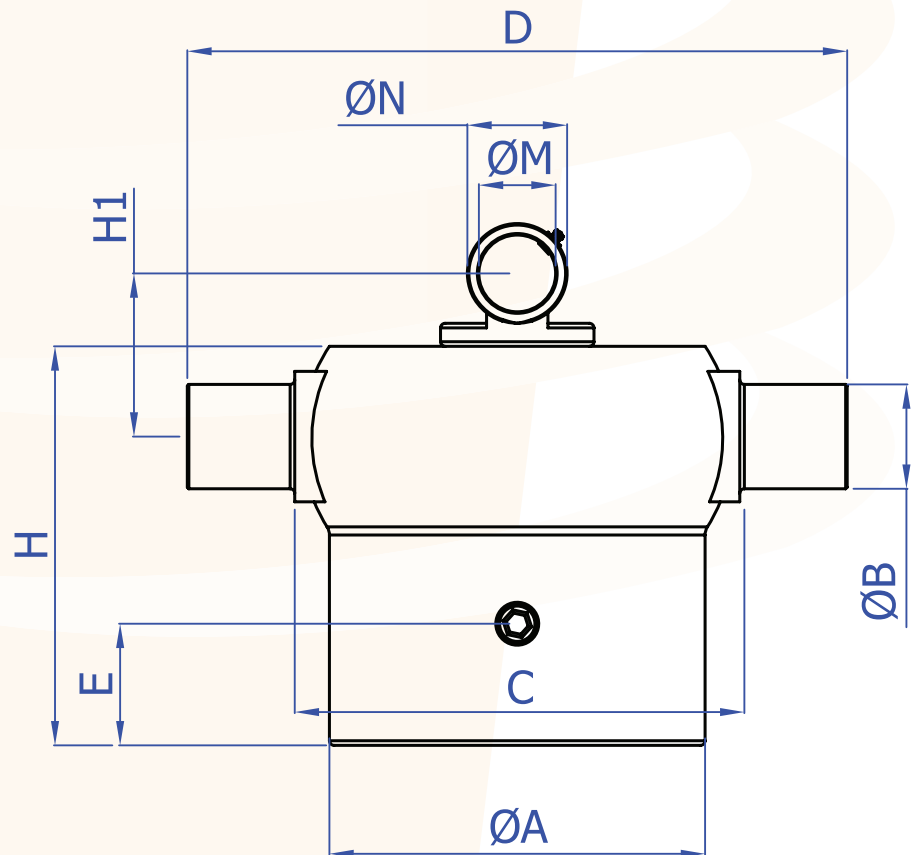
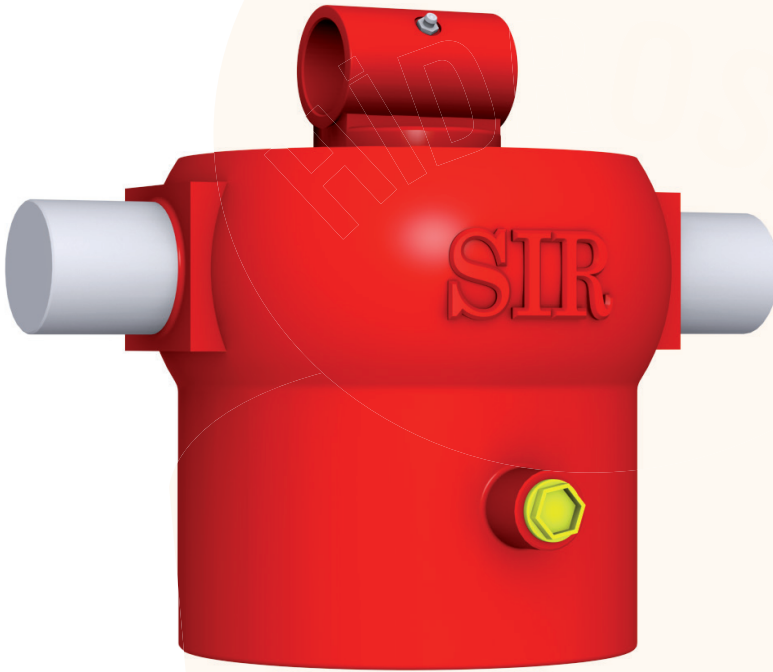
N TİPİ

N TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	L (Ø)	K (Ø)	H	H1	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
165360012	165-3-600 N	165	215	58	110	200	90	R 3/4"	14	52
165390012	165-3-900 N	165	215	58	110	300	90	R 3/4"	15	62
1653105012	165-3-1050 N	165	215	58	110	350	90	R 3/4"	17	67
1653120012	165-3-1200 N	165	215	58	110	400	90	R 3/4"	19	72
1653135012	165-3-1350 N	165	215	58	110	450	90	R 3/4"	21	77
1653150012	165-3-1500 N	165	215	58	110	500	90	R 3/4"	23	82
165480012	165-4-800 N	165	215	58	110	200	90	R 3/4"	15	56
1654120012	165-4-1200 N	165	215	58	110	300	90	R 3/4"	18	67
1654140012	165-4-1400 N	165	215	58	110	350	90	R 3/4"	20	73
1654160012	165-4-1600 N	165	215	58	110	400	90	R 3/4"	22	78
1654180012	165-4-1800 N	165	215	58	110	450	90	R 3/4"	24	84
1654200012	165-4-2000 N	165	215	58	110	500	90	R 3/4"	26	90
1655100012	165-5-1000 N	165	215	58	110	200	90	R 3/4"	14	60
1655150012	165-5-1500 N	165	215	58	110	300	90	R 3/4"	17	71
1655175012	165-5-1750 N	165	215	58	110	350	90	R 3/4"	19	78
1655200012	165-5-2000 N	165	215	58	110	400	90	R 3/4"	21	85
1655225012	165-5-2250 N	165	215	58	110	450	90	R 3/4"	23	92
1655250012	165-5-2500 N	165	215	58	110	500	90	R 3/4"	25	100
190360012	190-3-600 N	190	240	58	110	200	90	R 3/4"	21	65
190390012	190-3-900 N	190	240	58	110	300	90	R 3/4"	24	77
1903105012	190-3-1050 N	190	240	58	110	350	90	R 3/4"	26	83
1903120012	190-3-1200 N	190	240	58	110	400	90	R 3/4"	28	90
1903135012	190-3-1350 N	190	240	58	110	450	90	R 3/4"	31	97
1903150012	190-3-1500 N	190	240	58	110	500	90	R 3/4"	34	105
190480012	190-4-800 N	190	240	58	110	200	90	R 3/4"	18	70
1904120012	190-4-1200 N	190	240	58	110	300	90	R 3/4"	24	84
1904140012	190-4-1400 N	190	240	58	110	350	90	R 3/4"	28	92
1904160012	190-4-1600 N	190	240	58	110	400	90	R 3/4"	32	100
1904180012	190-4-1800 N	190	240	58	110	450	90	R 3/4"	36	108
1904200012	190-4-2000 N	190	240	58	110	500	90	R 3/4"	40	117
1905100012	190-5-1000 N	190	240	58	110	200	90	R 3/4"	19	75
1905150012	190-5-1500 N	190	240	58	110	300	90	R 3/4"	26	91
1905175012	190-5-1750 N	190	240	58	110	350	90	R 3/4"	29	98
1905200012	190-5-2000 N	190	240	58	110	400	90	R 3/4"	32	106
1905225012	190-5-2250 N	190	240	58	110	450	90	R 3/4"	35	114
1905250012	190-5-2500 N	190	240	58	110	500	90	R 3/4"	38	123

P TİPİ

P TYPE



ORTADAN KALDIRMALI TELESKOPİK SİLİNDİRLER UNDER BODY TELESCOPIC CYLINDERS

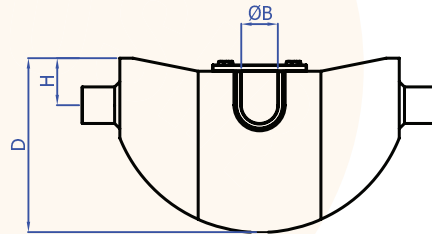
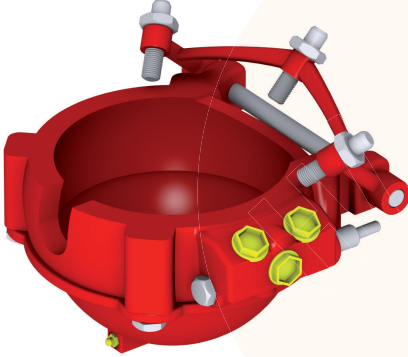
P TİPİ

P TYPE

ÜRÜN KODU (Product Code)	TİP (Type)	A (Ø)	B (Ø)	C	D	E	H	H1	N (Ø)	M (Ø)	YAĞ GİRİŞİ (Oil Inlet)	LİTRE (Liter)	AĞIRLIK (Weight)
190550013	190-5-500 P	190	68	235	355	90	260	150	50	70	R3/4"	16	55
190575013	190-5-750 P	190	68	235	355	90	310	150	50	70	R3/4"	19	63
1905100013	190-5-1000 P	190	68	235	355	90	360	150	50	70	R3/4"	22	71
190660013	190-6-600 P	190	68	235	355	90	260	150	50	70	R3/4"	17	59
190690013	190-6-900 P	190	68	235	355	90	310	150	50	70	R3/4"	20	67
1906120013	190-6-1200 P	190	68	235	355	90	360	150	50	70	R3/4"	23	75
215550013	215-5-500 P	215	68	260	380	90	260	150	50	70	R3/4"	24	63
215575013	215-5-750 P	215	68	260	380	90	310	150	50	70	R3/4"	27	73
2155100013	215-5-1000 P	215	68	260	380	90	360	150	50	70	R3/4"	30	83
215660013	215-6-600 P	215	68	260	380	90	260	150	50	70	R3/4"	27	67
215690013	215-6-900 P	215	68	260	380	90	310	150	50	70	R3/4"	30	77
2156120013	215-6-1200 P	215	68	260	380	90	360	150	50	70	R3/4"	33	87
215770013	215-7-700 P	215	68	260	380	90	260	150	50	70	R3/4"	30	70
2157105013	215-7-1050 P	215	68	260	380	90	310	150	50	70	R3/4"	33	80
2157140013	215-7-1400 P	215	68	260	380	90	360	150	50	70	R3/4"	37	90
245550013	245-5-500 P	245	68	290	415	90	260	150	50	70	R3/4"	30	75
245575013	245-5-750 P	245	68	290	415	90	310	150	50	70	R3/4"	36	88
2455100013	245-5-1000 P	245	68	290	415	90	360	150	50	70	R3/4"	42	101
245660013	245-6-600 P	245	68	290	415	90	260	150	50	70	R3/4"	32	79
245690013	245-6-900 P	245	68	290	415	90	310	150	50	70	R3/4"	38	93
2456120013	245-6-1200 P	245	68	290	415	90	360	150	50	70	R3/4"	44	107
245770013	245-7-700 P	245	68	290	415	90	260	150	50	70	R3/4"	34	84
2457105013	245-7-1050 P	245	68	290	415	90	310	150	50	70	R3/4"	40	99
2457140013	245-7-1400 P	245	68	290	415	90	360	150	50	70	R3/4"	46	114
245880013	245-8-800 P	245	68	290	415	90	260	150	50	70	R3/4"	36	90
2458120013	245-8-1200 P	245	68	290	415	90	310	150	50	70	R3/4"	42	106
2458160013	245-8-1600 P	245	68	290	415	90	360	150	50	70	R3/4"	48	122

UNDER BODY MOUNTING PARTS

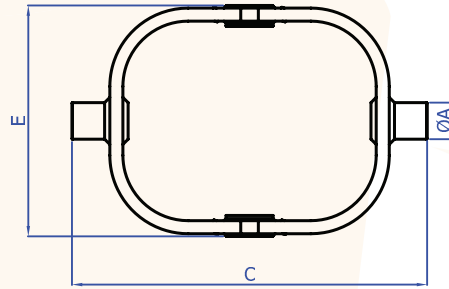
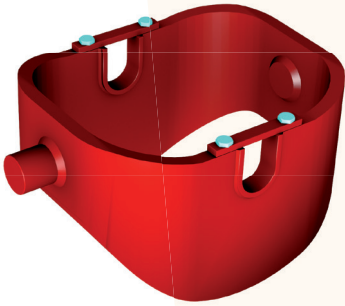
HSR-03-100



Kullanıldığı
Silindirler
(Used For)

N TYPE

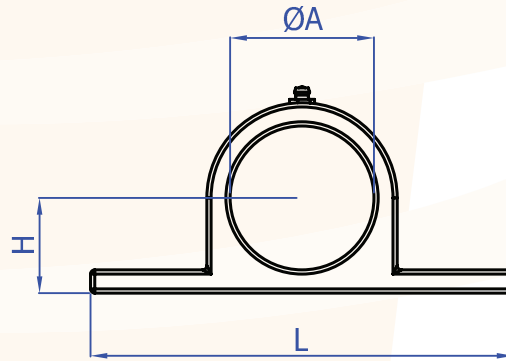
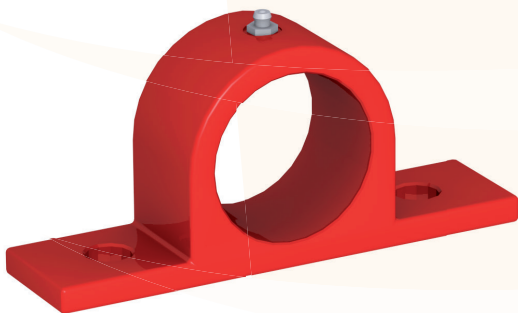
HSR-03-200



Kullanıldığı
Silindirler
(Used for)

M TYPE

HSR-03-300

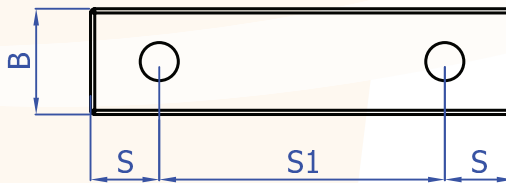


Kullanıldığı
Silindirler
(Used for)

K TYPE

L TYPE

M TYPE



MALZEME BİLGİSİ / MATERIALS INFO

- Üretimde kullanılan borular sıcak çekim DIN 2393 ST-52 BKS kalitesindedir.
- Silindirde kullanılan her bir kademe ölçüsü 190 bara dayanıklılık gösterecek şekilde tasarlanmıştır.
- Tüm silindir kademe yüzeyleri 40 mikron sert krom kaplıdır.
- Geliştirilmiş yataklama yüzeyleri silindirin daha verimli ve güvenli çalışmasını sağlar.
- Hassas işleme toleransları sızdırmazlık elemanlarının en iyi şekilde görev yapmasını sağlar.
- Her kademenin sızdırmazlığı poliüretan malzemeli yüksek basınç sızdırmazlık elemanları ile sağlanmaktadır.

Her kademenin 190 bar basınçta kaldırabileceği yük tablosu aşağıdadır.

MATERIAL INFO

- The tubes are made of DIN ST-52 BKS material.
- Each stage used in the complete cylinders has durability upto 190 bars.
- All the stage surfaces are chrome plated with 40 micron.
- Improved guide element surfaces enable cylinder to work more efficiently and safely.
- Sensitive treatment tolerances provides guide elements to function perfectly.
- The sealing on each stage is provided with the high pressure applicable sealing kit which is made of polyurethane material.

Check below to see each stage capacity to load and unload .



Kademe Çapı Diameter	İtme Kuvveti Thrust Force
190 bar	
mm	ton
ø 212	68,42
ø 185	52,08
ø 160	38,95
ø 135	27,73
ø 115	20,12
ø 95	13,73
ø 75	8,56
ø 55	4,60

