ÜRÜN KATALOĞU
PRODUCT CATALOGUE



FMD
HİDROLİK | HYDRAULIC

Görünmez güç, hissedilir performans.
Unseen power, felt performance.



FMD Hidrolik olarak sektördeki varlığımızı yalnızca ürün üretmekle sınırlı görmüyoruz; aynı zamanda güven inşa etmek, kaliteyi standart haline getirmek ve müşteri memnuniyetini sürdürülebilir bir değer olarak konumlandırıyoruz. Kurulduğumuz günden bu yana, çözüm odaklı yaklaşımımız ve güçlü mühendislik altyapımızla her projede fark yaratmayı ilke edindik.

Hidrolik silindir ekipmanları üretiminde uzmanlaşan firmamız, özellikle kep, piston, somun gibi yüksek dayanıklılığa sahip parçalarla farklı sektörlerin ihtiyaçlarına özel çözümler sunmaktadır. Ürünlerimizi yüksek kaliteli çelik ve döküm malzemelerle, hassas mühendislik prensiplerine uygun şekilde tasarlıyor ve üretiyoruz. Her bir ürünümüz; tutarlı performans, güvenilirlik ve işlevsellik standartlarına uygun olarak, ulusal ve uluslararası kalite normlarına göre imal edilmektedir.

Alanında uzman ve deneyimli kadromuzla, müşterilerimizin ihtiyaçlarını titizlikle analiz ediyor; beklentilerini aşan teknik çözümler geliştiriyoruz. Projelendirme aşamasından üretime kadar tüm süreçleri kendi bünyemizde yöneterek, zamanında teslimat ve yüksek kalite garantisi sağlıyoruz.

FMD Hidrolik, yalnızca bir üretici değil; aynı zamanda üretim süreçlerinizde güvenilir bir çözüm ortağınızdır. Satış öncesi ve sonrası sunduğumuz profesyonel hizmetlerle, iş ortaklarımızın yanında yer alıyor; teknik mükemmeliyet ve uzun vadeli iş birlikleriyle sektörde kalıcı değer yaratıyoruz.

Geleceğe dönük vizyonumuz; teknolojiyi yakından takip eden, müşteri odaklı inovasyonlarla sektöre yön veren bir marka olmaktır. Bu doğrultuda üretim altyapımızı sürekli geliştiriyor; iş ortaklarımızla uzun vadeli ve sürdürülebilir ilişkiler kurmayı hedefliyoruz.

At FMD Hydraulic, our presence in the industry is defined not only by manufacturing products, but by building trust, setting quality as a standard, and positioning customer satisfaction as a sustainable value. Since our establishment, we have embraced a solution-oriented approach and strong engineering capabilities to make a difference in every project.

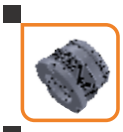
Specializing in the production of hydraulic cylinder components, our company focuses particularly on caps, pistons, and nuts offering tailored solutions for the diverse needs of various industries. We design and manufacture our products using high-quality steel and cast materials, adhering to precise engineering principles. Each product is developed in compliance with national and international quality standards, ensuring consistent performance, reliability, and functionality.

With our team of experienced and specialized professionals, we meticulously analyze customer requirements and deliver solutions that exceed expectations. By managing all stages from project planning to production within our own facilities, we guarantee timely delivery and superior quality.

FMD Hydraulic is more than a manufacturer; we are your reliable partner throughout your production processes. Through professional pre-sales and after-sales support, we stand by our business partners, fostering long-term collaborations based on technical excellence and mutual trust.

Our forward-looking vision is to be a brand that closely follows technological advancements and leads the industry through customer-driven innovation. In line with this vision, we continuously enhance our production infrastructure and aim to build sustainable, long-term relationships with our partners.

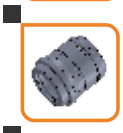
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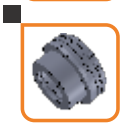
05 SAYFA | PAGE
Hidrolik Silindir Döküm Kep (Boğaz)
Hydraulic Cylinder Head Gland (Cast Iron)



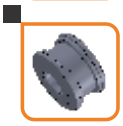
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Hidrolik Silindir Çelik Kep (Boğaz)
Hydraulic Cylinder Head Gland (Steel)



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Hidrolik Silindir Rot Kep
Hydraulic Cylinder Tie Rod Cap With Outer Nut



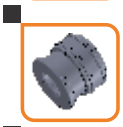
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Hidrolik Silindir Çakma Rot Kep
Hydraulic Cylinder Tie Rod Cap With Internal Nut



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Hidrolik Silindir Düz Piston
Hydraulic Cylinder Straight Piston



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Hidrolik Silindir Vidalı Piston
Hydraulic Cylinder Threaded Piston



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Hidrolik Silindir Tek Yataklamalı Vidalı Piston
Hydraulic Cylinder Single Guide Ring Threaded Piston



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Hidrolik Silindir Rot Piston
Hydraulic Cylinder Rode Piston



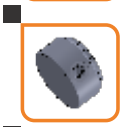
35 SAYFA | PAGE
Hidrolik Silindir Çift Nutringli Vidalı Piston
Hydraulic Cylinder Double Piston Rod Seal Threaded Piston



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Hidrolik Silindir Basit Tip Arka Kapak
Hydraulic Cylinder Simple Type Back Cover



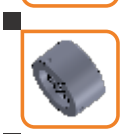
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Hidrolik Silindir Faturalı Arka Kapak
Hydraulic Cylinder Protruding Back Cover



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Hidrolik Silindir Yağ Girişli Arka Kapak
Hydraulic Cylinder Oil Inlet Back Cover



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Hidrolik Silindir İçten Somun
Hydraulic Cylinder İnternal Nut



48 SAYFA | PAGE
Hidrolik Silindir Dıştan Somun
Hydraulic Cylinder External Nut



50 SAYFA | PAGE
Hidrolik Silindir Mafsallar
Hydraulic Cylinder Rod Ends



53 SAYFA | PAGE
Hidrolik Silindir Hamutlar(Beşik)
Hydraulic Cylinder Trunnion Ring











Döküm Malzeme Teknik Verileri
Cast Material Technical Data

Genel Amaçlı Grafitili Dökme Demir | General-purpose Gray Cast Iron		Standartlar | Standards	
Sertlik | Hardness	190-240 HB	Türkiye - TS EN 1561	EN-GJL-250 (GG 25)
Çekme Mukavemeti | Tensile Strength	Yaklaşık | Approximately 250 MPa	Europe – EN 1561	EN-GJL-250
Mikro Yapı | Microstructure	Perlitik | Pearlitic (min %90)	Germany – DIN 1691	GG 25
Akma Mukavemeti | Yield Strength	163–200 N/mm²	USA – ASTM A48	Class 35B
Kimyasal Analiz | Chemical Analysis	Karbon | Carbon (C) %2,4–%3,4	United Kingdom – BS 1452	Grade 250
	Silisyum | Silicon (Si) %1,4–%2,4	France – NF A32-101	Ft 25D
	Manganez | Manganese (Mn) %0,4–%0,8	Italy – UNI 5007	G25
	Fosfor | Phosphorus (P) %0,30 max.	Japan – JIS G 5501	FC 250
	Kükürt | Sulfur (S) %0,12 max.	Chinese - GB/T 9439	HT 250

Ürün Tipi Product Type	Çalışma Basıncı Operating Pressure	Test Basıncı Test Pressure	Çalışma Sıcaklığı Operatıng Temperature
GG-25-26 Döküm Malzeme Cast Iron Material	320 Bar	400 Bar	-30 °C to +100 °C

Çelik Malzeme Teknik Verileri
Steel Material Technical Data

	Malzeme Material	Karbon Carbon (C)	Manganez Manganese (Mn)	Silisyum Silicon (Si)	Fosfor Phosphorus (P)	Kükürt Sulfur (S)
Kimyasal Özellikler Chemical Properties	C40	%0,37–%0,44	%0,50–%0,80	%0,15–%0,35	Max. 0.04%	Max. 0.05%
	C45E	%0,42–%0,50	%0,50–%0,80	%0,15–%0,40	Max. 0.03%	Max. 0.04%
	C50E	%0,47–%0,55	%0,60–%0,90	%0,15–%0,40	Max. 0.03%	Max. 0.04%
	ST 52	%0,17 – %0,22	%1,10 – %1,60	%0,15 – %0,55	%0,00 – %0,025	%0,00 – %0,025
Mekanik Özellikler Mechanical Properties	**Malzeme Material**	**Akma Dayanımı Yield Strength (Re)**	**Çekme Dayanımı Tensile Strength (Rm)**	**Sertlik Hardness (HB)**	**Kopma Uzaması Elongation at Break**	
	C40	260–320 Mpa	570–720 Mpa	170–220 HB	16–18%	
	C45E	280–340 Mpa	580–740 Mpa	170–220 HB	16–20%	
	C50E	310–380 Mpa	610–760 Mpa	180–225 HB	15–18%	
	ST 52	335–355 Mpa	490–630 Mpa	140–190 HB	%20–%25	

Belirtilen çalışma ve test basıncı değerleri, sistemde tercih edilen sızdırmazlık elemanlarının (keçelerin) tipine ve malzeme kalitesine bağlı olarak değişkenlik gösterebilir. Tabloda yer alan tüm teknik veriler, standart sızdırmazlık elemanları baz alınarak hesaplanmıştır.
The specified operating and test pressure values may vary depending on the type and material quality of the sealing elements used in the system. All technical data presented in this table have been calculated based on standard sealing elements.

KASTAŞ | TRELLEBORG

Ürünlerimizde, üstün sızdırmazlık performansı, dayanıklılık ve uzun ömür sağlamak amacıyla Kastaş ve Trelleborg marka yüksek kaliteli keçeler kullanılmaktadır.
Our products are equipped with premium-quality seals from Kastaş and Trelleborg, ensuring superior sealing performance, durability, and long service life.



01.26.580.5299.T FR.58
CERTIFICATE - 9001



02.26.580.10239.T FR.58
CERTIFICATE - 14001



03.26.580.15198.T FR.58
CERTIFICATE - 45001



TRADEMARK REGISTRATION
CERTIFICATE

HİDROLİK SİLİNDİR KEP GRUBU
HYDRAULIC CYLINDER CAP GROUP

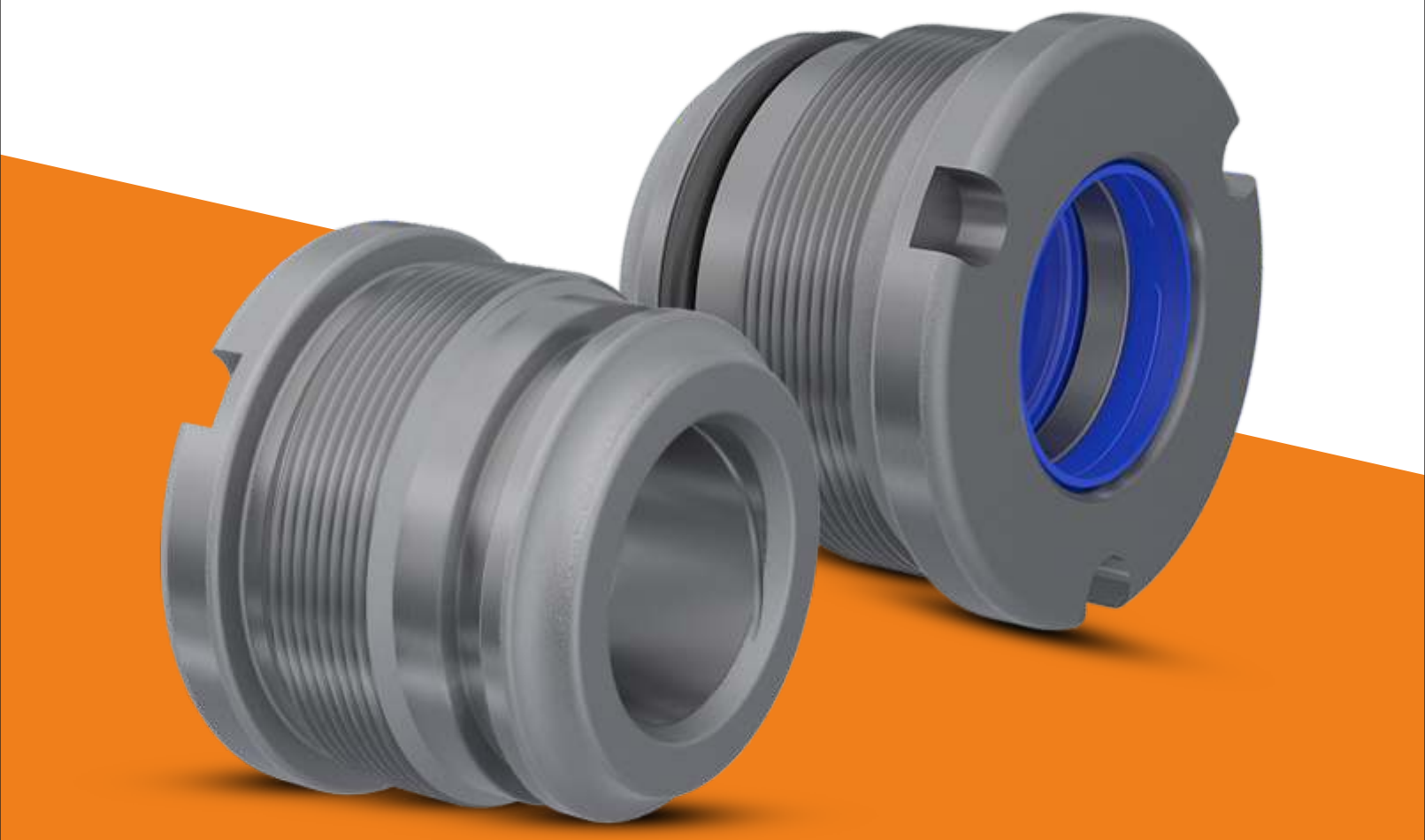


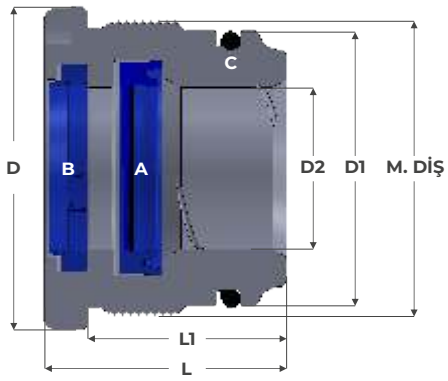
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HİDROLİK SİLİNDİR DÖKÜM KEP (BOĞAZ)

HYDRAULIC CYLINDER HEAD GLAND (CAST IRON)





A **NUTRİNG |** ROD SEAL

B **TOZ KEÇESİ |** WIPER

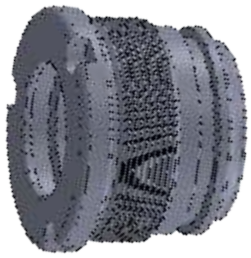
C **ORİNG |** O-RING



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 32X16	16X20,5X5 (K22-016 PU)	16x24x7/5 (K06-016 PU	28x2,5 (KO-0280025)	40	33	16	40	32	36x1,5	0,190
FMD-DB 32X18	18x25x5 (K22-018/1 PU)	18x26x7/5 (K06-018 PU)	28x2,5 (KO-0280025)	40	33	18	40	32	36x1,5	0,170
FMD-DB 32x20	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	28x2,5 (KO-0280025)	40	33	20	40	32	36x1,5	0,146
FMD-DB 32x22	22x30x6 (K33-022/6 PU)	22x30x7/5 (K06-022 PU)	28x2,5 (KO-0280025)	40	33	22	40	32	36x1,5	0,125
FMD-DB 35x16	16X20,5X5 (K22-016 PU)	16x24x7/5 (K06-016 PU)	31x3 (KO-0310030)	45	36	16	40	32	39x1,5	0,323
FMD-DB 35x18	18x25x5 (K22-018/1 PU)	18x26x7/5 (K06-018 PU)	31x3 (KO-0310030)	45	36	18	40	32	39x1,5	0,260
FMD-DB 35x20	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	31x3 (KO-0310030)	45	36	20	40	32	39x1,5	0,197
FMD-DB 35x22	22x30x6 (K33-022/6 PU)	22x30x7/5 (K06-022 PU)	31x3 (KO-0310030)	45	36	22	40	32	39x1,5	0,134
FMD-DB 35x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	31x3 (KO-0310030)	45	36	25	40	32	39x1,5	0,138
FMD-DB 40x16	16X20,5X5 (K22-016 PU)	16x24x7/5 (K06-016 PU)	36x3 (KO-0360030)	50	41	16	40	32	45x1,5	0,344
FMD-DB 40x18	18x25x5 (K22-018/1 PU)	18x26x7/5 (K06-018 PU)	36x3 (KO-0360030)	50	41	20	40	32	45x1,5	0,322
FMD-DB 40x20	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	36x3 (KO-0360030)	50	41	20	40	32	45x1,5	0,300
FMD-DB 40x22	22x30x6 (K33-022/6 PU)	22x30x7/5 (K06-022 PU)	36x3 (KO-0360030)	50	41	22	40	32	45x1,5	0,270
FMD-DB 40x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	36x3 (KO-0360030)	50	41	25	40	32	45x1,5	0,233
FMD-DB 40x28	28x38x6 (K22-028 PU)	28x36x7/5 (K06-028 PU)	36x3 (KO-0360030)	50	41	28	40	32	45x1,5	0,193
FMD-DB 45x20	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	39,69x3,53 (KO-0396935)	55	46	20	45	37	50x1,5	0,441
FMD-DB 45x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	39,69x3,53 (KO-0396935)	55	46	25	45	37	50x1,5	0,369
FMD-DB 45x28	28x38x6 (K22-028 PU)	28x36x7/5 (K06-028 PU)	39,69x3,53 (KO-0396935)	55	46	28	45	37	50x1,5	0,321
FMD-DB 45x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	39,69x3,53 (KO-0396935)	55	46	30	45	37	50x1,5	0,284
FMD-DB 50x20	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	44,45x3,53 (KO-0444535)	60	51	20	45	37	55x1,5	0,566
FMD-DB 50x22	22x30x6 (K33-022/6 PU)	22x30x7/5 (K06-022 PU)	44,45x3,53 (KO-0444535)	60	51	22	45	37	55x1,5	0,543
FMD-DB 50x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	44,45x3,53 (KO-0444535)	60	51	25	45	37	55x1,5	0,492
FMD-DB 50x28	28x38x6 (K22-028 PU)	28x36x7/5 (K06-028 PU)	44,45x3,53 (KO-0444535)	60	51	28	45	37	55x1,5	0,452
FMD-DB 50x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	44,45x3,53 (KO-0444535)	60	51	30	45	37	55x1,5	0,412
FMD-DB 50x32	32x40x8 (K21-032/1 PU)	32x40x7/5 (K06-032 PU)	44,45x3,53 (KO-0444535)	60	51	32	45	37	55x1,5	0,379
FMD-DB 50x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	44,45x3,53 (KO-0444535)	60	51	35	45	37	55x1,5	0,320
FMD-DB 50x36	36x46x8 (K33-036 PU)	36x44x7/5 (K06-036 PU)	44,45x3,53 (KO-0444535)	60	51	36	45	37	55x1,5	0,291
FMD-DB 55x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	47,63x3,53 (KO-0476335)	65	56	25	52	42	60x1,5	0,758
FMD-DB 55x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	47,63x3,53 (KO-0476335)	65	56	30	52	42	60x1,5	0,648
FMD-DB 55x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	47,63x3,53 (KO-0476335)	65	56	35	52	42	60x1,5	0,538
FMD-DB 60x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	53,57x3,53 (KO-0535735)	70	61	25	52	42	65x1,5	0,917
FMD-DB 60x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	53,57x3,53 (KO-0535735)	70	61	30	52	42	65x1,5	0,826
FMD-DB 60x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	53,57x3,53 (KO-0535735)	70	61	35	52	42	65x1,5	0,715

Bu ürünlerde GG25 döküm malzemesi kullanılmıştır.
This products are manufactured using from GG25 grade cast iron.

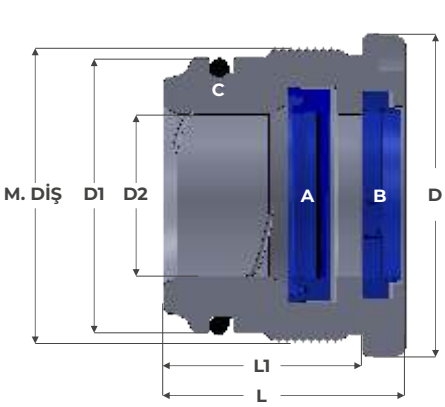
Hidrolik Silindir Döküm Kep (Boğaz)
Hydraulic Cylinder Head Gland (Cast Iron)



NUTRİNG | ROD SEAL **A**

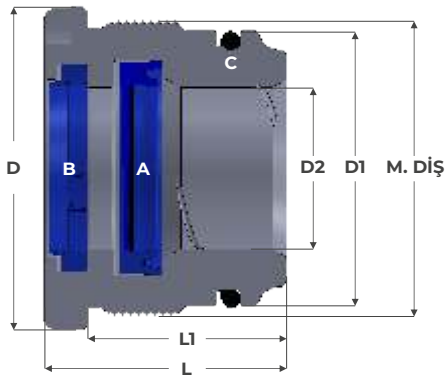
TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 60x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	53,57x3,53 (KO-0535735)	70	61	40	52	42	65x1,5	0,588
FMD-DB 60x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	53,57x3,53 (KO-0535735)	70	61	45	52	42	65x1,5	0,461
FMD-DB 63x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	57,15x3,53 (KO-0571535)	75	64	25	52	42	69x1,5	1,069
FMD-DB 63x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	57,15x3,53 (KO-0571535)	75	64	30	52	42	69x1,5	0,965
FMD-DB 63x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	57,15x3,53 (KO-0571535)	75	64	35	52	42	69x1,5	0,861
FMD-DB 63x36	36x46x8 (K33-036 PU)	36x44x7/5 (K06-036 PU)	57,15x3,53 (KO-0571535)	75	64	36	52	42	69x1,5	0,839
FMD-DB 63x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	57,15x3,53 (KO-0571535)	75	64	40	52	42	69x1,5	0,720
FMD-DB 63x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	57,15x3,53 (KO-0571535)	75	64	45	52	42	69x1,5	0,590
FMD-DB 63x50	50X58X8 (K33-050/11 PU)	50x60x7/5 (K06-050 PU)	57,15x3,53 (KO-0571535)	75	64	50	52	42	69x1,5	0,473
FMD-DB 65x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	59,92x3,53 (KO-0599235)	80	66	25	63	52	70x1,5	1,423
FMD-DB 65x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	59,92x3,53 (KO-0599235)	80	66	30	63	52	70x1,5	1,283
FMD-DB 65x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	59,92x3,53 (KO-0599235)	80	66	35	63	52	70x1,5	1,143
FMD-DB 65x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	59,92x3,53 (KO-0599235)	80	66	40	63	52	70x1,5	1,002
FMD-DB 65x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	59,92x3,53 (KO-0599235)	80	66	45	63	52	70x1,5	0,837
FMD-DB 70x25	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	65,10x3,53 (KO-0651035)	85	71	25	63	52	75x2	1,642
FMD-DB 70x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	65,10x3,53 (KO-0651035)	85	71	30	63	52	75x2	1,524
FMD-DB 70x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	65,10x3,53 (KO-0651035)	85	71	35	63	52	75x2	1,396
FMD-DB 70x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	65,10x3,53 (KO-0651035)	85	71	40	63	52	75x2	1,271
FMD-DB 70x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	65,10x3,53 (KO-0651035)	85	71	45	63	52	75x2	1,080
FMD-DB 70x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	65,10x3,53 (KO-0651035)	85	71	50	63	52	75x2	0,918
FMD-DB 70x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	65,10x3,53 (KO-0651035)	85	71	55	63	52	75x2	0,700
FMD-DB 75x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	69,85x3,53 (KO-0698535)	90	76	30	63	52	80x2	1,793
FMD-DB 75x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	69,85x3,53 (KO-0698535)	90	76	35	63	52	80x2	1,675
FMD-DB 75x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	69,85x3,53 (KO-0698535)	90	76	40	63	52	80x2	1,526
FMD-DB 75x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	69,85x3,53 (KO-0698535)	90	76	45	63	52	80x2	1,358
FMD-DB 75x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	69,85x3,53 (KO-0698535)	90	76	50	63	52	80x2	1,117
FMD-DB 75x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	69,85x3,53 (KO-0698535)	90	76	55	63	52	80x2	0,980
FMD-DB 80x30	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	74x4 (KO-0740040)	95	81	30	63	52	85x2	2,056
FMD-DB 80x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	74x4 (KO-0740040)	95	81	35	63	52	85x2	1,959
FMD-DB 80x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	74x4 (KO-0740040)	95	81	40	63	52	85x2	1,789
FMD-DB 80x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	74x4 (KO-0740040)	95	81	45	63	52	85x2	1,646
FMD-DB 80x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	74x4 (KO-0740040)	95	81	50	63	52	85x2	1,456
FMD-DB 80x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	74x4 (KO-0740040)	95	81	55	63	52	85x2	1,257

Hidrolik Silindir Döküm Kep (Boğaz)
Hydraulic Cylinder Head Gland (Cast Iron)



A **NUTRİNG |** ROD SEAL

B **TOZ KEÇESİ |** WIPER

C **ORİNG |** O-RING



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RİNG	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 80x56	56x66x10 (K33-056/3 PU)	56x66x7/5 (K06-056 PU)	74x4 (KO-0740040)	95	81	56	63	52	85x2	1,215
FMD-DB 80x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	74x4 (KO-0740040)	95	81	60	63	52	85x2	1,048
FMD-DB 85x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	78x4 (KO-0780040)	100	86	35	63	52	90x2	2,272
FMD-DB 85x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	78x4 (KO-0780040)	100	86	40	63	52	90x2	2,120
FMD-DB 85x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	78x4 (KO-0780040)	100	86	45	63	52	90x2	1,932
FMD-DB 85x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	78x4 (KO-0780040)	100	86	50	63	52	90x2	1,751
FMD-DB 85x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	78x4 (KO-0780040)	100	86	55	63	52	90x2	1,344
FMD-DB 85x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	78x4 (KO-0780040)	100	86	60	63	52	90x2	1,340
FMD-DB 90x35	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	84x4 (KO-0840040)	105	91	35	63	52	95x2	2,586
FMD-DB 90x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	84x4 (KO-0840040)	105	91	40	63	52	95x2	2,433
FMD-DB 90x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	84x4 (KO-0840040)	105	91	45	63	52	95x2	2,269
FMD-DB 90x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	84x4 (KO-0840040)	105	91	50	63	52	95x2	2,079
FMD-DB 90x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	84x4 (KO-0840040)	105	91	55	63	52	95x2	1,887
FMD-DB 90x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	84x4 (KO-0840040)	105	91	60	63	52	95x2	1,655
FMD-DB 90x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	84x4 (KO-0840040)	105	91	65	63	52	95x2	1,423
FMD-DB 90x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	84x4 (KO-0840040)	105	91	70	63	52	95x2	1,191
FMD-DB 100x40	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	90x5 (KO-0900050)	115	101	40	82	70	105x2	4,014
FMD-DB 100x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	90x5 (KO-0900050)	115	101	45	82	70	105x2	3,797
FMD-DB 100x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	90x5 (KO-0900050)	115	101	50	82	70	105x2	3,581
FMD-DB 100x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	90x5 (KO-0900050)	115	101	55	82	70	105x2	3,325
FMD-DB 100x56	56x66x10 (K33-056/3 PU)	56x66x7/5 (K06-056 PU)	90x5 (KO-0900050)	115	101	56	82	70	105x2	3,258
FMD-DB 100x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	90x5 (KO-0900050)	115	101	60	82	70	105x2	3,033
FMD-DB 100x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	90x5 (KO-0900050)	115	101	65	82	70	105x2	2,746
FMD-DB 100x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	90x5 (KO-0900050)	115	101	70	82	70	105x2	2,400
FMD-DB 100x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	90x5 (KO-0900050)	115	101	75	82	70	105x2	2,048
FMD-DB 100x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	90x5 (KO-0900050)	115	101	80	82	70	105x2	1,656
FMD-DB 110x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	100x5 (KO-1000050)	130	111	50	82	70	115x2	4,674
FMD-DB 110x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	100x5 (KO-1000050)	130	111	55	82	70	115x2	4,388
FMD-DB 110x56	56x66x10 (K33-056/3 PU)	56x66x7/5 (K06-056 PU)	100x5 (KO-1000050)	130	111	56	82	70	115x2	4,300
FMD-DB 110x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	100x5 (KO-1000050)	130	111	60	82	70	115x2	4,117
FMD-DB 110x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	100x5 (KO-1000050)	130	111	65	82	70	115x2	3,845
FMD-DB 110x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	100x5 (KO-1000050)	130	111	70	82	70	115x2	3,523
FMD-DB 110x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	100x5 (KO-1000050)	130	111	75	82	70	115x2	3,123

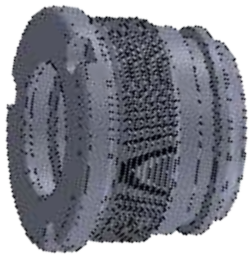
Bu ürünlerde GG25 döküm malzemesi kullanılmıştır.
This products are manufactured using from GG25 grade cast iron.

FMD HIDROLIK | HYDRAULIC

KASTAŞ | KELLENBERG

fmdhydraulic.com

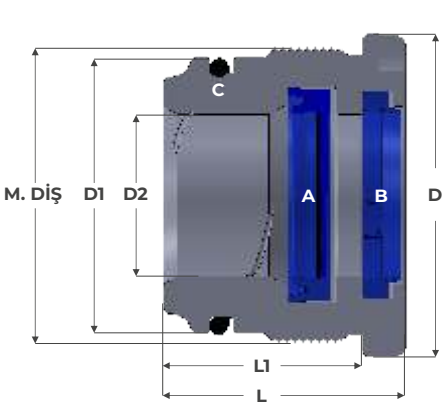
Hidrolik Silindir Döküm Kep (Boğaz)
Hydraulic Cylinder Head Gland (Cast Iron)



NUTRİNG | ROD SEAL **A**

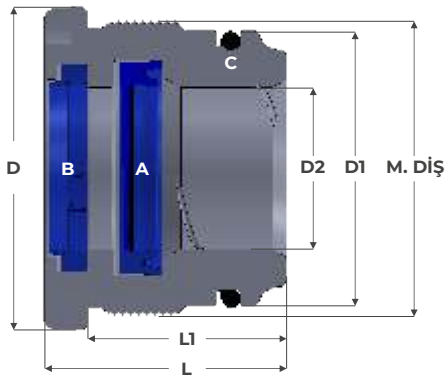
TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 110x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	100x5 (KO-1000050)	130	111	80	82	70	115x2	2,735
FMD-DB 115x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	105x5 (KO-1050050)	130	116	50	82	70	120x2	5,103
FMD-DB 115x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	105x5 (KO-1050050)	130	116	55	82	70	120X2	4,847
FMD-DB 115x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	105x5 (KO-1050050)	130	116	60	82	70	120x2	4,535
FMD-DB 115x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	105x5 (KO-1050050)	130	116	65	82	70	120x2	4,236
FMD-DB 115x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	105x5 (KO-1050050)	130	116	70	82	70	120x2	3,937
FMD-DB 115x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	105x5 (KO-1050050)	130	116	75	82	70	120x2	3,549
FMD-DB 115x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	105x5 (KO-1050050)	130	116	80	82	70	120x2	3,172
FMD-DB 120x45	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	110x5 (KO-1100050)	140	121	45	82	70	125x2	6,000
FMD-DB 120x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	110x5 (KO-1100050)	140	121	50	82	70	125x2	5,750
FMD-DB 120x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	110x5 (KO-1100050)	140	121	55	82	70	125x2	5,510
FMD-DB 120x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	110x5 (KO-1100050)	140	121	60	82	70	125x2	5,182
FMD-DB 120x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	110x5 (KO-1100050)	140	121	65	82	70	125x2	4,873
FMD-DB 120x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	110x5 (KO-1100050)	140	121	70	82	70	125x2	4,541
FMD-DB 120x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	110x5 (KO-1100050)	140	121	75	82	70	125x2	4,208
FMD-DB 120x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	110x5 (KO-1100050)	140	121	80	82	70	125x2	3,823
FMD-DB 120x85	85x95x12 (K33-085 PU)	85x97x12/7 (K06-085 PU)	110x5 (KO-1100050)	140	121	85	82	70	125x2	3,407
FMD-DB 120x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	110x5 (KO-1100050)	140	121	90	82	70	125x2	3,005
FMD-DB 125x50	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	115x5 (KO-1150050)	145	126	50	82	70	130x2	6,309
FMD-DB 125x55	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	115x5 (KO-1150050)	145	126	55	82	70	130x2	6,052
FMD-DB 125x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	115x5 (KO-1150050)	145	126	60	82	70	130x2	5,776
FMD-DB 125x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	115x5 (KO-1150050)	145	126	65	82	70	130x2	5,488
FMD-DB 125x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	115x5 (KO-1150050)	145	126	70	82	70	130x2	5,186
FMD-DB 125x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	115x5 (KO-1150050)	145	126	75	82	70	130x2	4,768
FMD-DB 125x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	115x5 (KO-1150050)	145	126	80	82	70	130x2	4,393
FMD-DB 125x85	85x95x12 (K33-085 PU)	85x97x12/7 (K06-085 PU)	115x5 (KO-1150050)	145	126	85	82	70	130x2	3,993
FMD-DB 125x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	115x5 (KO-1150050)	145	126	90	82	70	130x2	3,592
FMD-DB 130x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	120x6 (KO-1200060)	150	131	60	102	90	135x2	7,727
FMD-DB 130x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	120x6 (KO-1200060)	150	131	65	102	90	135x2	7,404
FMD-DB 130x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	120x6 (KO-1200060)	150	131	70	102	90	135x2	6,983
FMD-DB 130x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	120x6 (KO-1200060)	150	131	80	102	90	135x2	6,105
FMD-DB 130x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	120x6 (KO-1200060)	150	131	90	102	90	135x2	5,116
FMD-DB 130x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	120x6 (KO-1200060)	150	131	100	102	90	135x2	3,926

Bu ürünlerde GG25 döküm malzemesi kullanılmıştır.
This products are manufactured using from GG25 grade cast iron.



A **NUTRİNG |** ROD SEAL

B **TOZ KEÇESİ |** WIPER

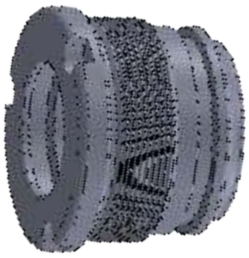
C **ORİNG |** O-RING



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 140x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	130x6 (KO-1300060)	160	141	60	102	90	145x2	9,421
FMD-DB 140x65	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	130x6 (KO-1300060)	160	141	65	102	90	145x2	8,989
FMD-DB 140x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	130x6 (KO-1300060)	160	141	70	102	90	145x2	8,611
FMD-DB 140x75	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	130x6 (KO-1300060)	160	141	75	102	90	145x2	8,123
FMD-DB 140x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	130x6 (KO-1300060)	160	141	80	102	90	145x2	7,734
FMD-DB 140x85	85x95x12 (K33-085 PU)	85x97x12/7 (K06-085 PU)	130x6 (KO-1300060)	160	141	85	102	90	145x2	7,229
FMD-DB 140x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	130x6 (KO-1300060)	160	141	90	102	90	145x2	6,724
FMD-DB 140x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	130x6 (KO-1300060)	160	141	100	102	90	145x2	5,480
FMD-DB 150x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	140x6 (KO-1400060)	170	151	60	102	90	155x2	10,963
FMD-DB 150x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	140x6 (KO-1400060)	170	151	70	102	90	155x2	10,257
FMD-DB 150x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	140x6 (KO-1400060)	170	151	80	102	90	155x2	9,365
FMD-DB 150x85	85x95x12 (K33-085 PU)	85x97x12/7 (K06-085 PU)	140x6 (KO-1400060)	170	151	85	102	90	155x2	8,855
FMD-DB 150x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	140x6 (KO-1400060)	170	151	90	102	90	155x2	8,013
FMD-DB 150x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	140x6 (KO-1400060)	170	151	100	102	90	155x2	7,171
FMD-DB 150x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	140x6 (KO-1400060)	170	151	110	102	90	155x2	5,969
FMD-DB 160x60	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	150x6 (KO-1500060)	180	161	60	102	90	165x2	12,793
FMD-DB 160x70	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	150x6 (KO-1500060)	180	161	70	102	90	165x2	12,180
FMD-DB 160x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	150x6 (KO-1500060)	180	161	80	102	90	165x2	11,194
FMD-DB 160x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	150x6 (KO-1500060)	180	161	90	102	90	165x2	10,164
FMD-DB 160x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	150x6 (KO-1500060)	180	161	100	102	90	165x2	9,024
FMD-DB 160x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	150x6 (KO-1500060)	180	161	110	102	90	165x2	7,753
FMD-DB 160x120	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	150x6 (KO-1500060)	180	161	120	102	90	165x2	6,360
FMD-DB 170x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	160x6 (KO-1600060)	190	171	90	102	90	175x2	13,187
FMD-DB 170x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	160x6 (KO-1600060)	190	171	100	102	90	175x2	11,879
FMD-DB 170x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	160x6 (KO-1600060)	190	171	110	102	90	175x2	10,528
FMD-DB 170x120	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	160x6 (KO-1600060)	190	171	120	102	90	175x2	8,983
FMD-DB 180x80	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	170x6 (KO-1700060)	200	181	80	102	90	185x2	15,124
FMD-DB 180x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	170x6 (KO-1700060)	200	181	90	102	90	185x2	14,197
FMD-DB 180x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	170x6 (KO-1700060)	200	181	100	102	90	185x2	12,952
FMD-DB 180x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	170x6 (KO-1700060)	200	181	110	102	90	185x2	11,706
FMD-DB 180x120	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	170x6 (KO-1700060)	200	181	120	102	90	185x2	10,210
FMD-DB 180x130	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	170x6 (KO-1700060)	200	181	130	102	90	185x2	8,611
FMD-DB 180x140	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	170x6 (KO-1700060)	200	181	140	102	90	185x2	7,074

Bu ürünlerde GG25 döküm malzemesi kullanılmıştır.
This products are manufactured using from GG25 grade cast iron.

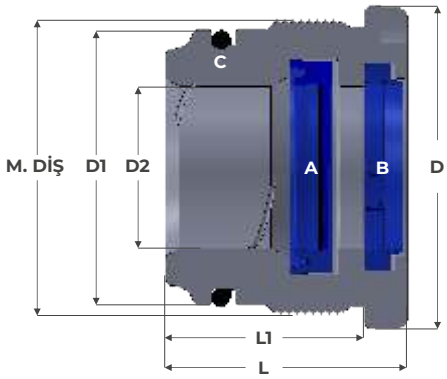
Hidrolik Silindir Döküm Kep (Boğaz)
Hydraulic Cylinder Head Gland (Cast Iron)



NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DB 200x90	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	190x6 (KO-1900060)	220	201	90	102	90	205x2	17,209
FMD-DB 200x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	190x6 (KO-1900060)	220	201	100	102	90	205x2	16,570
FMD-DB 200x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	190x6 (KO-1900060)	220	201	110	102	90	205x2	15,930
FMD-DB 200x120	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	190x6 (KO-1900060)	220	201	120	102	90	205x2	14,410
FMD-DB 200x130	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	190x6 (KO-1900060)	220	201	130	102	90	205x2	12,890
FMD-DB 200x140	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	190x6 (KO-1900060)	220	201	140	102	90	205x2	11,470
FMD-DB 200x150	150x170x15 (K33-150/3 PU)	150x162x12/7 (K06-150/2 PU)	190x6 (KO-1900060)	220	201	150	102	90	205x2	9,729
FMD-DB 220x100	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	210x6 (KO-2100060)	250	221	100	102	90	225x2	22,645
FMD-DB 220x110	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	210x6 (KO-2100060)	250	221	110	102	90	225x2	21,236
FMD-DB 220x120	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	210x6 (KO-2100060)	250	221	120	102	90	225x2	19,968
FMD-DB 220x130	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	210x6 (KO-2100060)	250	221	130	102	90	225x2	18,350
FMD-DB 220x140	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	210x6 (KO-2100060)	250	221	140	102	90	225x2	16,741

Bu ürünlerde GG25 döküm malzemesi kullanılmıştır.
This products are manufactured using from GG25 grade cast iron.

HİDROLİK SİLİNDİR ÇELİK KEP (BOĞAZ)

HYDRAULIC CYLINDER HEAD GLAND (STEEL)



FMD
HİDROLİK | HYDRAULIC

fmdhydraulic.com

Hidrolik Silindir Çelik Kep (Boğaz)
Hydraulic Cylinder Head Gland (Steel)



YATAKLAMA-1 | ROD GUIDE-1 **D**

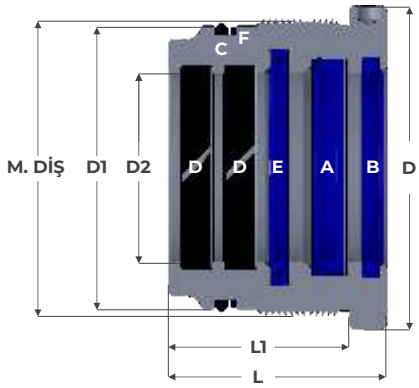
ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

DESTEK RİNGİ | BACK-UP RING **F**

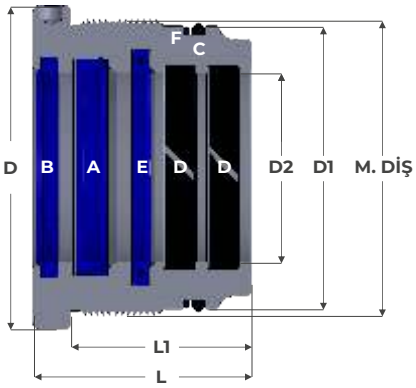
NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	YATAKLAMA-1 ROD GUIDE-RING-1	YATAKLAMA-2 ROD GUIDE RING-2	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ÖN BASINÇ RİNGİ BUFFER SEAL	DESTEK RİNGİ BACK-UP RING	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇB 40x20	20x24x9,4-1 (K68-020)	YOK (UNAVAILABLE)	20x28x5 (K33-020/7 PU)	20x28x7/5 (K06-020 PU)	YOK (UNAVAILABLE)	36x40,5x1,25 (K81-036)	36x3 (KO-0360030)	50	41	21	50	40	44x1,5	0,374
FMD-ÇB 40x22	22x26x9,4-1 (K68-022)	YOK (UNAVAILABLE)	22x30x6 (K33-022/6 PU)	22x30x7/5 (K06-022 PU)	YOK (UNAVAILABLE)	36x40,5x1,25 (K81-036)	36x3 (KO-0360030)	50	41	23	50	40	44x1,5	0,341
FMD-ÇB 40x25	25x29x9,4-1 (K68-025/1)	YOK (UNAVAILABLE)	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	YOK (UNAVAILABLE)	36x40,5x1,25 (K81-036)	36x3 (KO-0360030)	50	41	26	50	40	44x1,5	0,279
FMD-ÇB 40x28	28x32x9,5-1 (K68-028)	YOK (UNAVAILABLE)	28x38x6 (K22-028 PU)	28x36x7/5 (K06-028 PU)	YOK (UNAVAILABLE)	36x40,5x1,25 (K81-036)	36x3 (KO-0360030)	50	41	29	50	40	44x1,5	0,230
FMD-ÇB 50x25	25x29x9,4-1 (K68-025/1)	YOK (UNAVAILABLE)	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	YOK (UNAVAILABLE)	45x50x1,3 (K81-045)	44,45x3,53 (KO-0444535)	60	51	26	50	40	54x1,5	0,569
FMD-ÇB 50x28	28x32x9,5-1 (K68-028)	YOK (UNAVAILABLE)	28x38x6 (K22-028 PU)	28x36x7/5 (K06-028 PU)	YOK (UNAVAILABLE)	45x50x1,3 (K81-045)	44,45x3,53 (KO-0444535)	60	51	29	50	40	54x1,5	0,513
FMD-ÇB 50x30	30x35x15-1 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	45x50x1,3 (K81-045)	44,45x3,53 (KO-0444535)	60	51	31	50	40	54x1,5	0,452
FMD-ÇB 50x35	35x40x15-1 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	45x50x1,3 (K81-045)	44,45x3,53 (KO-0444535)	60	51	36	50	40	54x1,5	0,336
FMD-ÇB 55x25	25x29x9,4-1 (K68-025/1)	YOK (UNAVAILABLE)	25x35x6 (K33-025 PU)	25x33x7/5 (K06-025 PU)	YOK (UNAVAILABLE)	50x55x1,3 (K81-050)	50,40X3,53 (KO-0504035)	65	56	26	50	40	59x1,5	0,736
FMD-ÇB 55x30	30x35x15-1 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	50x55x1,3 (K81-050)	50,40X3,53 (KO-0504035)	65	56	31	50	40	59x1,5	0,620
FMD-ÇB 55x35	35x40x15-1 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	50x55x1,3 (K81-050)	50,40X3,53 (KO-0504035)	65	56	36	50	40	59x1,5	0,504
FMD-ÇB 60x30	30x35x15-2 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	55,7x60x1,3 (K81-055/1)	53,57x3,53 (KO-0535735)	70	61	31	70	58	65x1,5	1,140
FMD-ÇB 60x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	55,7x60x1,3 (K81-055/1)	53,57x3,53 (KO-0535735)	70	61	36	70	58	65x1,5	0,985
FMD-ÇB 60x40	40x45x15-2 (K68-040)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	YOK (UNAVAILABLE)	55,7x60x1,3 (K81-055/1)	53,57x3,53 (KO-0535735)	70	61	41	70	58	65x1,5	0,794
FMD-ÇB 60x45	45x50x15-2 (K68-045)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	YOK (UNAVAILABLE)	55,7x60x1,3 (K81-055/1)	53,57x3,53 (KO-0535735)	70	61	46	70	58	65x1,5	0,584
FMD-ÇB 63x30	30x35x15-2 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	58x63x1,3 (K81-058)	57,15x3,53 (KO-0571535)	75	64	31	70	58	69x1,5	1,349
FMD-ÇB 63x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	58x63x1,3 (K81-058)	57,15x3,53 (KO-0571535)	75	64	36	70	58	69x1,5	1,186
FMD-ÇB 63x40	40x45x15-2 (K68-040)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	YOK (UNAVAILABLE)	58x63x1,3 (K81-058)	57,15x3,53 (KO-0571535)	75	64	41	70	58	69x1,5	0,995
FMD-ÇB 63x45	45x50x15-2 (K68-045)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	YOK (UNAVAILABLE)	58x63x1,3 (K81-058)	57,15x3,53 (KO-0571535)	75	64	46	70	58	69x1,5	0,791
FMD-ÇB 63x50	50x55x15-2 (K68-050)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	YOK (UNAVAILABLE)	58x63x1,3 (K81-058)	57,15x3,53 (KO-0571535)	75	64	51	70	58	69x1,5	0,580
FMD-ÇB 65x30	30x35x15-2 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	60x65x1,3 (K81-060/2)	59,92x3,53 (KO-0599235)	80	66	31	70	58	69x1,5	1,450
FMD-ÇB 65x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	60x65x1,3 (K81-060/2)	59,92x3,53 (KO-0599235)	80	66	36	70	58	69x1,5	1,290
FMD-ÇB 65x40	40x45x15-2 (K68-040)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	YOK (UNAVAILABLE)	60x65x1,3 (K81-060/2)	59,92x3,53 (KO-0599235)	80	66	41	70	58	69x1,5	1,096
FMD-ÇB 65x45	45x50x15-2 (K68-045)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	YOK (UNAVAILABLE)	60x65x1,3 (K81-060/2)	59,92x3,53 (KO-0599235)	80	66	46	70	58	69x1,5	0,885
FMD-ÇB 70x30	30x35x15-2 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	31	70	58	75x2	1,768
FMD-ÇB 70x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	36	70	58	75x2	1,601
FMD-ÇB 70x40	40x45x9,5-2 (K68-040/3)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	41	70	58	75x2	1,374
FMD-ÇB 70x45	45x50x9,5-2 (K68-045/2)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	46	70	58	75x2	1,135
FMD-ÇB 70x50	50x55x15-2 (K68-050)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	YOK (UNAVAILABLE)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	51	70	58	75x2	0,974
FMD-ÇB 70x55	55x60x15-2 (K68-055)	YOK (UNAVAILABLE)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	YOK (UNAVAILABLE)	65x70x1,3 (K81-065)	65,10x3,53 (KO-0651035)	85	71	56	70	58	75x2	0,717
FMD-ÇB 75x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	70x75x1,3 (K81-070)	69,85x3,53 (KO-0698535)	90	76	36	70	58	80x2	1,927



A **NUTRİNG |** ROD SEAL
B **TOZ KEÇESİ |** WIPER
C **ORİNG |** O-RING
D **YATAKLAMA-1 |** ROD GUIDE-1
E **ÖN BASINÇ RİNGİ |** BUFFER SEAL
F **DESTEK RİNGİ |** BACK-UP RING



ÜRÜN KODU PRODUCT CODE	YATAKLAMA-1 ROD GUIDE-RING-1	YATAKLAMA-2 ROD GUIDE RING-2	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ÖN BASINÇ RİNGİ BUFFER SEAL	DESTEK RİNGİ BACK-UP RING	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇB 75x40	40x45x9,5-2 (K68-040/3)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	70x75x1,3 (K81-070)	69,85x3,53 (KO-0698535)	90	76	41	70	58	80x2	1,708
FMD-ÇB 75x45	45x50x9,5-2 (K68-045/2)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	70x75x1,3 (K81-070)	69,85x3,53 (KO-0698535)	90	76	46	70	58	80x2	1,485
FMD-ÇB 75x50	50x55x9,5-2 (K68-050/5)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	70x75x1,3 (K81-070)	69,85x3,53 (KO-0698535)	90	76	51	70	58	80x2	1,262
FMD-ÇB 75x55	55x60x15-2 (K68-055)	YOK (UNAVAILABLE)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	YOK (UNAVAILABLE)	70x75x1,3 (K81-070)	69,85x3,53 (KO-0698535)	90	76	56	70	58	80x2	1,050
FMD-ÇB 80x30	30x35x15-2 (K68-030)	YOK (UNAVAILABLE)	30x40x8 (K33-030 PU)	30x38x7/5 (K06-030 PU)	YOK (UNAVAILABLE)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	31	70	58	85x2	2,426
FMD-ÇB 80x35	35x40x15-2 (K68-035)	YOK (UNAVAILABLE)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	36	70	58	85x2	2,268
FMD-ÇB 80x40	40x45x9,5-2 (K68-040/3)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	41	70	58	85x2	2,060
FMD-ÇB 80x45	45x50x9,5-2 (K68-045/2)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	46	70	58	85x2	1,837
FMD-ÇB 80x50	50x55x9,5-2 (K68-050/5)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	51	70	58	85x2	1,604
FMD-ÇB 80x55	55x60x9,5-2 (K68-055/5)	YOK (UNAVAILABLE)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	55x70,5x6,3 (K29-055 PU)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	56	70	58	85x2	1,362
FMD-ÇB 80x60	60x65x15-2 (K68-060)	YOK (UNAVAILABLE)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	YOK (UNAVAILABLE)	75x80x1,3 (K81-075)	73,03x3,53 (KO-0730335)	95	81	61	70	58	85x2	1,124
FMD-ÇB 85x40	40x45x9,5-2 (K68-040/3)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	80x85x1,3 (K81-080)	78x4 (KO-0780040)	100	86	41	70	58	90x2	2,370
FMD-ÇB 85x45	45x50x9,5-2 (K68-045/2)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	80x85x1,3 (K81-080)	78x4 (KO-0780040)	100	86	46	70	58	90x2	2,167
FMD-ÇB 85x50	50x55x9,5-2 (K68-050/5)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	80x85x1,3 (K81-080)	78x4 (KO-0780040)	100	86	51	70	58	90x2	1,937
FMD-ÇB 85x55	55x60x9,5-2 (K68-055/5)	YOK (UNAVAILABLE)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	55x70,5x6,3 (K29-055 PU)	80x85x1,3 (K81-080)	78x4 (KO-0780040)	100	86	56	70	58	90x2	1,686
FMD-ÇB 85x60	60x65x9,5-2 (K68-060/2)	YOK (UNAVAILABLE)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	80x85x1,3 (K81-080)	78x4 (KO-0780040)	100	86	61	70	58	90x2	1,412
FMD-ÇB 90x40	40x45x9,5-2 (K68-040/3)	YOK (UNAVAILABLE)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	41	70	58	95x2	2,794
FMD-ÇB 90x45	45x50x9,5-2 (K68-045/2)	YOK (UNAVAILABLE)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	46	70	58	95x2	2,588
FMD-ÇB 90x50	50x55x9,5-2 (K68-050/5)	YOK (UNAVAILABLE)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	51	70	58	95x2	2,347
FMD-ÇB 90x55	55x60x9,5-2 (K68-055/5)	YOK (UNAVAILABLE)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	55x70,5x6,3 (K29-055 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	56	70	58	95x2	2,086
FMD-ÇB 90x60	60x65x9,5-2 (K68-060/2)	YOK (UNAVAILABLE)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	61	70	58	95x2	1,819
FMD-ÇB 90x65	65x70x9,5-2 (K68-065/5)	YOK (UNAVAILABLE)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	66	70	58	95x2	1,594
FMD-ÇB 90x70	70x75x15-2 (K68-070)	YOK (UNAVAILABLE)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	YOK (UNAVAILABLE)	85x90x1,3 (K81-085)	84x4 (KO-0840040)	105	91	71	70	58	95x2	1,256
FMD-ÇB 100x35	35x40x15-2 (K68-035)	35x40x9,5-1 (K68-035/6)	35x45x8 (K33-035 PU)	35x43x7/5 (K06-035 PU)	YOK (UNAVAILABLE)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	36	100	85	107x2	5,632
FMD-ÇB 100x40	40x45x15-2 (K68-040)	40x45x9,5-1 (K68-040/3)	40x50x10 (K33-040 PU)	40x48x7/5 (K06-040 PU)	40x55,5x6,3 (K29-040 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	41	100	85	107x2	5,312
FMD-ÇB 100x45	45x50x15-2 (K68-045)	45x50x9,5-1 (K68-045/2)	45x55x10 (K33-045 PU)	45x55x7/5 (K06-045 PU)	45x60,5x6,3 (K29-045 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	46	100	85	107x2	4,985
FMD-ÇB 100x50	50x55x15-2 (K68-050)	50x55x9,5-1 (K68-050/5)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	51	100	85	107x2	4,668
FMD-ÇB 100x55	55x60x15-2 (K68-055)	55x60x9,5-1 (K68-055/5)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	55x70,5x6,3 (K29-055 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	56	100	85	107x2	4,325
FMD-ÇB 100x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	61	100	85	107x2	3,934
FMD-ÇB 100x65	65x70x15-2 (K68-065)	65x70x9,5-1 (K68-065/5)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	66	100	85	107x2	3,512
FMD-ÇB 100x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	71	100	85	107x2	3,059

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This producs are manufactured using 1040/CK45 grade carbon steel.

Hidrolik Silindir Çelik Kep (Boğaz)
Hydraulic Cylinder Head Gland (Steel)



YATAKLAMA-1 | ROD GUIDE-1 **D**

ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

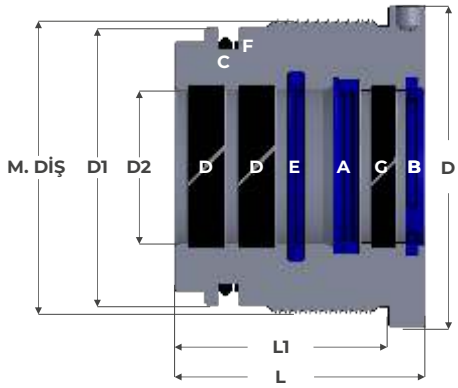
DESTEK RİNGİ | BACK-UP RING **F**

YATAKLAMA-2 | ROD GUIDE-2 **G**

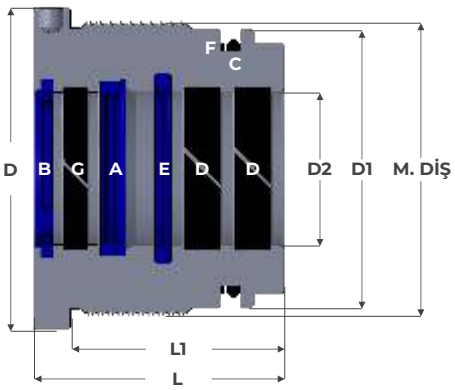
NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	YATAKLAMA-1 ROD GUIDE-RING-1	YATAKLAMA-2 ROD GUIDE RING-2	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ÖN BASINÇ RİNGİ BUFFER SEAL	DESTEK RİNGİ BACK-UP RING	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇB 100x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5x6,3 (K29-075 PU)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	76	100	85	107x2	2,696
FMD-ÇB 100x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	YOK (UNAVAILABLE)	92x100x1,9 (K81-092)	90x5 (KO-0900050)	115	101	81	100	85	107x2	2,178
FMD-ÇB 110x50	50x55x15-2 (K68-050)	50x55x9,5-1 (K68-050/5)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	51	100	85	117x2	6,117
FMD-ÇB 110x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	61	100	85	117x2	5,288
FMD-ÇB 110x65	65x70x15-2 (K68-065)	65x70x9,5-1 (K68-065/5)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	66	100	85	117x2	4,871
FMD-ÇB 110x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	71	100	85	117x2	4,505
FMD-ÇB 110x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5X6,3 (K29-075 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	76	100	85	117x2	3,888
FMD-ÇB 110x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	81	100	85	117x2	3,457
FMD-ÇB 110x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	YOK (UNAVAILABLE)	102x110x1,9 (K81-102)	100x5 (KO-1000050)	130	111	91	100	85	117x2	2,465
FMD-ÇB 115x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	107x115x1,9 (K81-107)	105x5 (KO-1050050)	130	116	61	100	85	122x2	5,989
FMD-ÇB 115x65	65x70x15-2 (K68-065)	65x70x9,5-1 (K68-065/5)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	107x115x1,9 (K81-107)	105x5 (KO-1050050)	130	116	66	100	85	122x2	5,572
FMD-ÇB 115x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	107x115x1,9 (K81-107)	105x5 (KO-1050050)	130	116	71	100	85	122x2	5,108
FMD-ÇB 115x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5X6,3 (K29-075 PU)	107x115x1,9 (K81-107)	105x5 (KO-1050050)	130	116	76	100	85	122x2	4,609
FMD-ÇB 115x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	107x115x1,9 (K81-107)	105x5 (KO-1050050)	130	116	81	100	85	122x2	4,050
FMD-ÇB 120x50	50x55x15-2 (K68-050)	50x55x9,5-1 (K68-050/5)	50x60x10 (K33-050 PU)	50x60x7/5 (K06-050 PU)	50x65,5x6,3 (K29-050 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	51	100	85	127x2	7,547
FMD-ÇB 120x55	55x60x15-2 (K68-055)	55x60x9,5-1 (K68-055/5)	55x65x10 (K33-055 PU)	55x65x7/5 (K06-055 PU)	55x70,5x6,3 (K29-055 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	56	100	85	127x2	7,248
FMD-ÇB 120x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	61	100	85	127x2	6,886
FMD-ÇB 120x65	65x70x15-2 (K68-065)	65x70x9,5-1 (K68-065/5)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	66	100	85	127x2	6,445
FMD-ÇB 120x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	71	100	85	127x2	5,950
FMD-ÇB 120x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5X6,3 (K29-075 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	76	100	85	127x2	5,468
FMD-ÇB 120x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	81	100	85	127x2	4,911
FMD-ÇB 120x85	85x90x15-2 (K68-085)	85x90x9,5-1 (K68-085/4)	85x95x12 (K33-085 PU)	85x97x12/7 (K06-085 PU)	85x100,5X6,3 (K29-085 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	86	100	85	127x2	4,405
FMD-ÇB 120x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	112x120x1,9 (K81-112)	110x5 (KO-1100050)	140	121	91	100	85	127x2	3,803
FMD-ÇB 125x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	61	100	85	132x2	7,668
FMD-ÇB 125x65	65x70x15-2 (K68-065)	65x70x9,5-1 (K68-065/5)	65x75x10 (K33-065 PU)	65x75x7/5 (K06-065 PU)	65x80,5X6,3 (K29-065 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	66	100	85	132x2	7,251
FMD-ÇB 125x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	71	100	85	132x2	6,786
FMD-ÇB 125x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5X6,3 (K29-075 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	76	100	85	132x2	6,268
FMD-ÇB 125x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	81	100	85	132x2	5,755
FMD-ÇB 125X90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	91	100	85	132x2	4,637
FMD-ÇB 125x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	117x125x1,9 (K81-117)	115x5 (KO-1150050)	145	126	101	100	85	132x2	3,305
FMD-ÇB 130x60	60x65x15-2 (K68-060)	60x65x9,5-1 (K68-060/2)	60x70x10 (K33-060/3 PU)	60x70x7/5 (K06-060 PU)	60x75,5X6,3 (K29-060 PU)	122x130x1,9 (K81-122)	120x6 (KO-1200060)	150	131	61	100	85	137x2	8,388



A **NUTRİNG |** ROD SEAL

B **TOZ KEÇESİ |** WIPER

C **ORİNG |** O-RING

D **YATAKLAMA-1 |** ROD GUIDE-1

E **ÖN BASINÇ RİNGİ |** BUFFER SEAL

F **DESTEK RİNGİ |** BACK-UP RING

G **YATAKLAMA-2 |** ROD GUIDE-2



ÜRÜN KODU PRODUCT CODE	YATAKLAMA-1 ROD GUIDE-RING-1	YATAKLAMA-2 ROD GUIDE RING-2	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ÖN BASINÇ RİNGİ BUFFER SEAL	DESTEK RİNGİ BACK-UP RING	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇB 130x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	122x130x1,9 (K81-122)	120x6 (KO-1200060)	150	131	71	100	85	137x2	7,509
FMD-ÇB 130x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	122x130x1,9 (K81-122)	120x6 (KO-1200060)	150	131	81	100	85	137x2	6,478
FMD-ÇB 130x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	122x130x1,9 (K81-122)	120x6 (KO-1200060)	150	131	91	100	85	137x2	5,360
FMD-ÇB 130x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	122x130x1,9 (K81-122)	120x6 (KO-1200060)	150	131	101	100	85	137x2	4,029
FMD-ÇB 140x70	70x75x15-2 (K68-070)	70x75x9,5-1 (K68-070/5)	70x80x12 (K33-070 PU)	70x80x7/5 (K06-070 PU)	70x85,5X6,3 (K29-070 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	71	100	85	147x2	8,174
FMD-ÇB 140x75	75x80x15-2 (K68-075)	75x80x9,5-1 (K68-075/3)	75x85x12 (K33-075 PU)	75x87x12/7 (K06-075 PU)	75x90,5X6,3 (K29-075 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	76	100	85	147x2	8,703
FMD-ÇB 140x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	81	100	85	147x2	8,185
FMD-ÇB 140x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	91	100	85	147x2	7,061
FMD-ÇB 140x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	101	100	85	147x2	5,736
FMD-ÇB 140x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	130,7x140x1,9 (K81-130/1)	130x6 (KO-1300060)	160	141	111	100	85	147x2	4,363
FMD-ÇB 150x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	140x150x1,7 (K81-140)	140x6 (KO-1400060)	170	151	81	100	85	157x2	9,770
FMD-ÇB 150x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	140x150x1,7 (K81-140)	140x6 (KO-1400060)	170	151	91	100	85	157x2	8,937
FMD-ÇB 150x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	140x150x1,7 (K81-140)	140x6 (KO-1400060)	170	151	101	100	85	157x2	7,566
FMD-ÇB 160x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	151x160x1,9 (K81-151)	150x6 (KO-1500060)	180	161	81	100	85	167x2	6,193
FMD-ÇB 160X90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	151x160x1,9 (K81-151)	150x6 (KO-1500060)	180	161	91	100	85	167x2	10,567
FMD-ÇB 160x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	151x160x1,9 (K81-151)	150x6 (KO-1500060)	180	161	101	100	85	167x2	9,232
FMD-ÇB 160x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	151x160x1,9 (K81-151)	150x6 (KO-1500060)	180	161	111	100	85	167x2	8,146
FMD-ÇB 160x120	120x125x15-2 (K68-120)	120x125x9,5-1 (K68-120/2)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	151x160x1,9 (K81-151)	150x6 (KO-1500060)	180	161	121	100	85	167x2	6,285
FMD-ÇB 170x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	161,8x170x1,9 (K81-161)	160x6 (KO-1600060)	200	171	101	100	85	177x2	11,955
FMD-ÇB 170x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	161,8x170x1,9 (K81-161)	160x6 (KO-1600060)	200	171	111	100	85	177x2	10,582
FMD-ÇB 170x120	120x125x15-2 (K68-120)	120x125x9,5-1 (K68-120/2)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	161,8x170x1,9 (K81-161)	160x6 (KO-1600060)	200	171	121	100	85	177x2	8,656
FMD-ÇB 180x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	81	100	85	187x2	16,623
FMD-ÇB 180x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	91	100	85	187x2	15,291
FMD-ÇB 180x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	101	100	85	187x2	13,919
FMD-ÇB 180x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	111	100	85	187x2	12,547
FMD-ÇB 180x120	120x125x15-2 (K68-120)	120x125x9,5-1 (K68-120/2)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	121	100	85	187x2	10,984
FMD-ÇB 180x130	130x135x15-2 (K68-130)	130x135x9,7-1 (K75-130)	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	130x145,5X6,3 (K29-130 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	131	100	85	187x2	9,214
FMD-ÇB 180x140	140x145x15-2 (K68-140)	140x145x9,7-1 (K68-140/2)	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	140x155,5X6,3 (K29-140 PU)	170,7x180x1,9 (K81-170)	170x6 (KO-1700060)	210	181	141	100	85	187x2	7,457
FMD-ÇB 200x80	80x85x15-2 (K68-080)	80x85x9,5-1 (K68-080/3)	80x90x12 (K33-080 PU)	80x92x12/7 (K06-080 PU)	80x95,5X6,3 (K29-080 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	81	100	85	207x2	21,145
FMD-ÇB 200x90	90x95x15-2 (K68-090)	90x95x9,5-1 (K68-090/2)	90x100x12 (K33-090 PU)	90x102x12/7 (K06-090 PU)	90x105,5X6,3 (K29-090 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	91	100	85	207x2	20,067
FMD-ÇB 200x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	101	100	85	207x2	18,981

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

Hidrolik Silindir Çelik Kep (Boğaz)
Hydraulic Cylinder Head Gland (Steel)



YATAKLAMA-1 | ROD GUIDE-1 **D**

ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

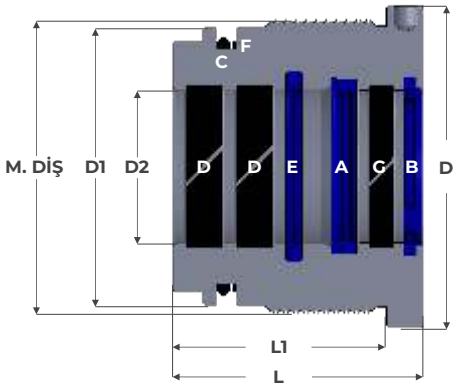
DESTEK RİNGİ | BACK-UP RING **F**

YATAKLAMA-2 | ROD GUIDE-2 **G**

NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**

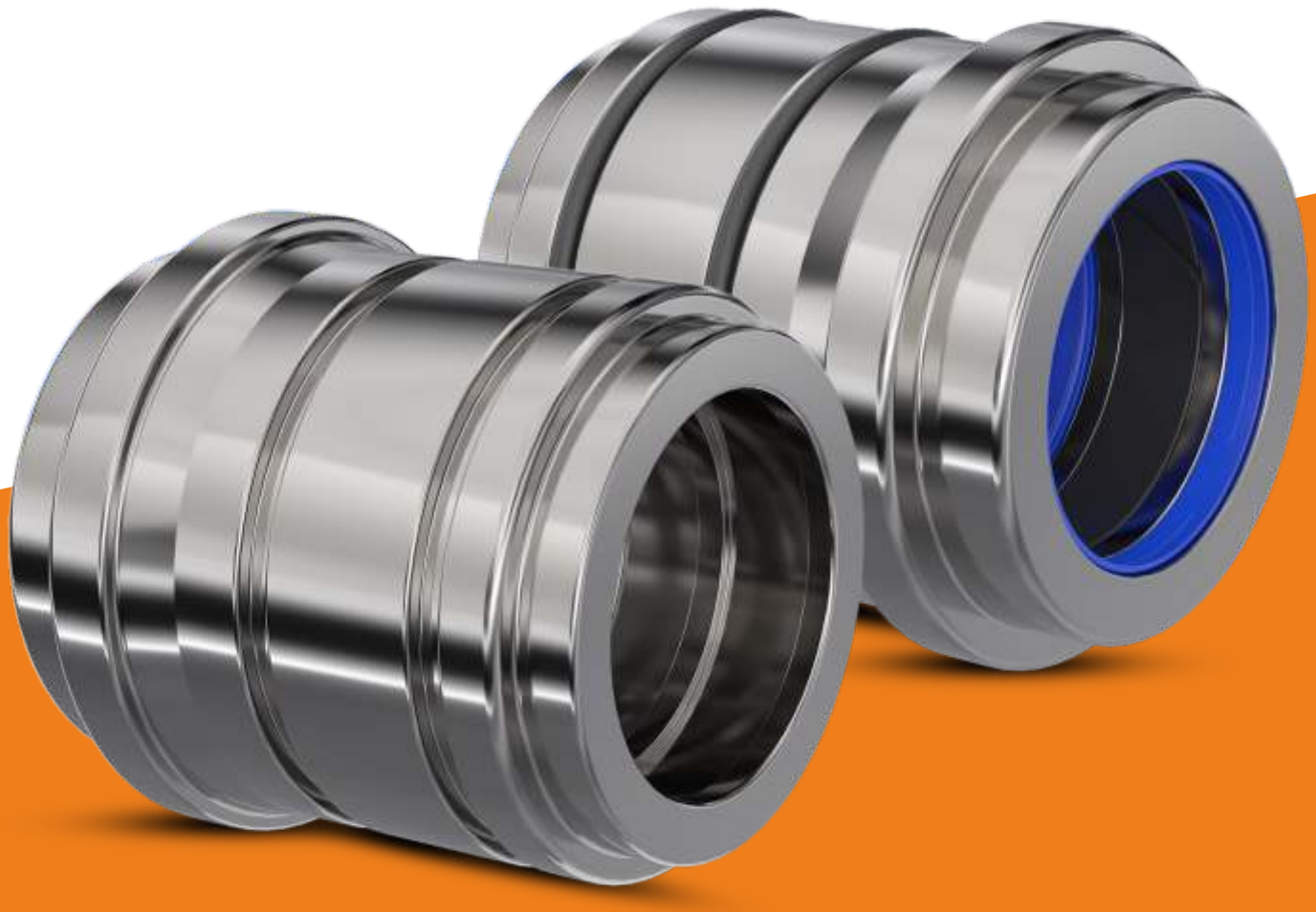


ÜRÜN KODU PRODUCT CODE	YATAKLAMA-1 ROD GUIDE-RING-1	YATAKLAMA-2 ROD GUIDE RING-2	NUTRİNG ROD SEAL	TOZ KEÇESİ WIPER	ÖN BASINÇ RİNGİ BUFFER SEAL	DESTEK RİNGİ BACK-UP RING	ORİNG O-RING	D mm	D1 mm	D2 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇB 200x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	111	100	85	207x2	17,323
FMD-ÇB 200x120	120x125x15-2 (K68-120)	120x125x9,5-1 (K68-120/2)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	121	100	85	207x2	15,760
FMD-ÇB 200x130	130x135x15-2 (K68-130)	130x135x9,7-1 (K75-130)	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	130x145,5X6,3 (K29-130 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	131	100	85	207x2	13,991
FMD-ÇB 200x140	140x145x15-2 (K68-140)	140x145x9,7-1 (K68-140/2)	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	140x155,5X6,3 (K29-140 PU)	YOK (UNAVAILABLE)	190x6 (KO-1900060)	230	201	141	100	85	207x2	12,518
FMD-ÇB 220x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	101	110	90	227x2,5	26,793
FMD-ÇB 220x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	111	110	90	227x2,5	25,186
FMD-ÇB 220x120	120x125x15-2 (K68-120)	120x125x9,7-1 (K68-120/3)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	121	110	90	227x2,5	23,581
FMD-ÇB 220x130	130x135x15-2 (K68-130)	130x135x9,7-1 (K75-130)	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	130x145,5X6,3 (K29-130 PU)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	131	110	90	227x2,5	22,777
FMD-ÇB 220x140	140x145x15-2 (K68-140)	140x145x9,7-1 (K68-140/2)	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	140x155,5X6,3 (K29-140 PU)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	141	110	90	227x2,5	19,726
FMD-ÇB 220x150	150x155x15-3 (K68-150)	150x155x9,7-1 (K75-150/1)	150x170x15 (K33-150/3 PU)	150x162x12/7 (K06-150/2 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	151	110	90	227x2,5	17,740
FMD-ÇB 220x160	160x165x15-3 (K68-160)	160x165x9,7-1 (K73-160/2)	160x180x15 (K33-160/3 PU)	160x172x12/7 (K06-160/1 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	210x6 (KO-2100060)	250	221	161	110	90	227x2,5	15,548
FMD-ÇB 230x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	101	110	90	237x2,5	31,239
FMD-ÇB 230x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	111	110	90	237x2,5	29,736
FMD-ÇB 230x120	120x125x15-2 (K68-120)	120x125x9,7-1 (K68-120/3)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	121	110	90	237x2,5	28,030
FMD-ÇB 230x130	130x135x15-2 (K68-130)	130x135x9,7-1 (K75-130)	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	130x145,5X6,3 (K29-130 PU)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	131	110	90	237x2,5	26,103
FMD-ÇB 230x140	140x145x15-2 (K68-140)	140x145x9,7-1 (K68-140/2)	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	140x155,5X6,3 (K29-140 PU)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	141	110	90	237x2,5	24,173
FMD-ÇB 230x150	150x155x15-3 (K68-150)	150x155x9,7-1 (K75-150/1)	150x170x15 (K33-150/3 PU)	150x162x12/7 (K06-150/2 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	151	110	90	237x2,5	22,027
FMD-ÇB 230x160	160x165x15-3 (K68-160)	160x165x9,7-1 (K73-160/2)	160x180x15 (K33-160/3 PU)	160x172x12/7 (K06-160/1 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	220x6 (KO-2200060)	280	231	161	110	90	237x2,5	19,995
FMD-ÇB 250x100	100x105x15-2 (K68-100)	100x105x9,5-1 (K68-100/6)	100x115x12 (K33-100 PU)	100x112x12/7 (K06-100 PU)	100x115,5X6,3 (K29-100 PU)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	101	110	90	257x2,5	37,984
FMD-ÇB 250x110	115X110X14,8-2 (K69-115/6)	110x115x9,5-1 (K68-110/1)	110x125x12 (K33-110/1 PU)	110x122x12/7 (K06-110 PU)	110x125,5X6,3 (K29-110 PU)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	111	110	90	257x2,5	36,482
FMD-ÇB 250x120	120x125x15-2 (K68-120)	120x125x9,7-1 (K68-120/3)	120x135x15 (K33-120/1 PU)	120x132x12/7 (K06-120 PU)	120x135,5X6,3 (K29-120 PU)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	121	110	90	257x2,5	34,772
FMD-ÇB 250x130	130x135x15-2 (K68-130)	130x135x9,7-1 (K75-130)	130x150x15 (K33-130/2 PU)	130x142x12/7 (K06-130/1 PU)	130x145,5X6,3 (K29-130 PU)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	131	110	90	257x2,5	32,848
FMD-ÇB 250x140	140x145x15-2 (K68-140)	140x145x9,7-1 (K68-140/2)	140x160x15 (K33-140 PU)	140x152x12/7 (K06-140/6 PU)	140x155,5X6,3 (K29-140 PU)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	141	110	90	257x2,5	30,918
FMD-ÇB 250x150	150x155x15-3 (K68-150)	150x155x9,7-1 (K75-150/1)	150x170x15 (K33-150/3 PU)	150x162x12/7 (K06-150/2 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	151	110	90	257x2,5	28,931
FMD-ÇB 250x160	160x165x15-3 (K68-160)	160x165x9,7-1 (K73-160/2)	160x180x15 (K33-160/3 PU)	160x172x12/7 (K06-160/1 PU)	YOK (UNAVAILABLE)	YOK (UNAVAILABLE)	240x6 (KO-2400060)	300	251	161	110	90	257x2,5	26,741

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR ROT KEP

HYDRAULIC CYLINDER TIE ROD CAP WITH OUTER NUT

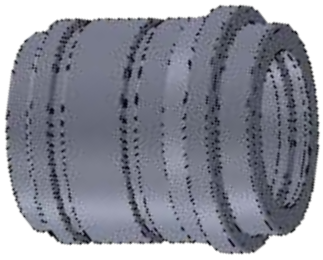


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HİDROLİK | HYDRAULIC

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Hidrolik Silindir Rot Kep

Hydraulic Cylinder Tie Rod Cap With Outer Nut



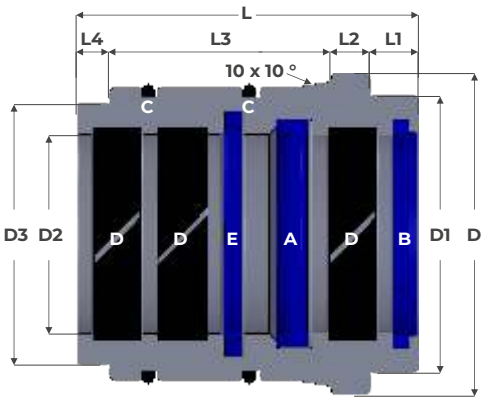
YATAKLAMA-1 | ROD GUIDE-1 **D**

ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

NUTRİNG | ROD SEAL **A**

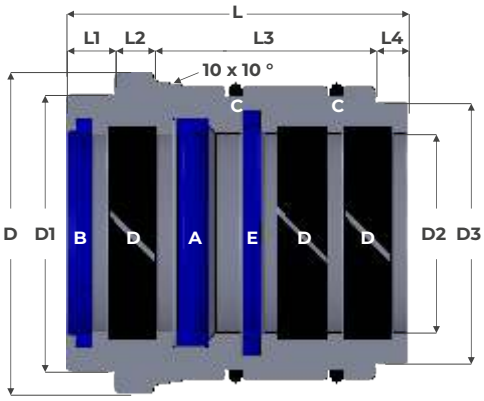
TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	YATAKLAMA ROD GUIDE RING	NUTRİNG ROD SEAL	ÖN BASINÇ RİNGİ BUFFER SEAL	TOZ KEÇESİ WİPER	ORİNG O-RING	D mm	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm	L mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEİGHT (kg)
FMD-RK 50x30	30x35x15-2 (K68-030)	30x40x8 (K33-030 PU)	YOK (UNAVAILABLE	30x38x7/5 (K06-030 PU)	41x4-2 (KO-0410040)	56	45	31	50	12	8	52	8	80	0,606
FMD-RK 50x35	35x40x15-2 (K68-035)	35x45x8 (K33-035 PU)	YOK (UNAVAILABLE	35x43x7/5 (K06-035 PU)	41x4-2 (KO-0410040)	56	45	36	50	12	8	52	8	80	0,424
FMD-RK 60x40	40x45x15-3 (K68-040)	40x50x10 (K33-040 PU)	YOK (UNAVAILABLE	40x48x7/5 (K06-040 PU)	52x4-2 (KO-0520040)	66.5	55	41	60	15	12	68	10	105	0,968
FMD-RK 63x35	35x40x15-2 (K68-035)	35x45x8 (K33-035 PU)	YOK (UNAVAILABLE	35x43x7/5 (K06-035 PU)	56x4-2 (KO-0560040)	71	60	36	63	15	12	68	10	105	1,513
FMD-RK 63x40	40x45x15-3 (K68-040)	40x50x10 (K33-040 PU)	YOK (UNAVAILABLE	40x48x7/5 (K06-040 PU)	56x4-2 (KO-0560040)	71	60	41	63	15	12	68	10	105	1,238
FMD-RK 63x45	45x50x15-3 (K68-045)	45x55x10 (K33-045 PU)	YOK (UNAVAILABLE	45x55x7/5 (K06-045 PU)	56x4-2 (KO-0560040)	71	60	46	63	15	12	68	10	105	0,925
FMD-RK 70x40	40x45x15-3 (K68-040)	40x50x10 (K33-040 PU)	40x55,5x6,3 (K29-040 PU)	40x48x7/5 (K06-040 PU)	62x4-2 (KO-0620040)	81	70	41	70	15	12	68	10	105	1,877
FMD-RK 70x45	45x50x15-3 (K68-045)	45x55x10 (K33-045 PU)	45x60,5x6,3 (K29-045 PU)	45x55x7/5 (K06-045 PU)	62x4-2 (KO-0620040)	81	70	46	70	15	12	68	10	105	1,558
FMD-RK 70x50	50x55x15-3 (K68-050)	50x60x10 (K33-050 PU)	YOK (UNAVAILABLE	50x60x7/5 (K06-050 PU)	62x4-2 (KO-0620040)	81	70	51	70	15	12	68	10	105	1,281
FMD-RK 70x55	55x60x15-3 (K68-055)	55x65x10 (K33-055 PU)	YOK (UNAVAILABLE	55x65x7/5 (K06-055 PU)	62x4-2 (KO-0620040)	81	70	56	70	15	12	68	10	105	0,914
FMD-RK 80x40	40x45x15-3 (K68-040)	40x50x10 (K33-040 PU)	40x55,5x6,3 (K29-040 PU)	40x48x7/5 (K06-040 PU)	73x4-2 (KO-0730040)	91	75	41	80	15	12	68	10	105	2,744
FMD-RK 80x45	45x50x15-3 (K68-045)	45x55x10 (K33-045 PU)	45x60,5x6,3 (K29-045 PU)	45x55x7/5 (K06-045 PU)	73x4-2 (KO-0730040)	91	75	46	80	15	12	68	10	105	2,423
FMD-RK 80x50	50x55x15-3 (K68-050)	50x60x10 (K33-050 PU)	50x65,5x6,3 (K29-050 PU)	50x60x7/5 (K06-050 PU)	73x4-2 (KO-0730040)	91	75	51	80	15	12	68	10	105	2,086
FMD-RK 80x55	55x60x15-3 (K68-055)	55x65x10 (K33-055 PU)	55x70,5x6,3 (K29-055 PU)	55x65x7/5 (K06-055 PU)	73x4-2 (KO-0730040)	91	75	56	80	15	12	68	10	105	1,720
FMD-RK 80x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	YOK (UNAVAILABLE	60x70x7/5 (K06-060 PU)	73x4-2 (KO-0730040)	91	75	61	80	15	12	68	10	105	1,367
FMD-RK 90x40	40x45x15-3 (K68-040)	40x50x10 (K33-040 PU)	40x55,5x6,3 (K29-040 PU)	40x48x7/5 (K06-040 PU)	82x4-2 (KO-0820040)	99	85	41	90	15	12	68	10	105	3,804
FMD-RK 90x45	45x50x15-3 (K68-045)	45x55x10 (K33-045 PU)	45x60,5x6,3 (K29-045 PU)	45x55x7/5 (K06-045 PU)	82x4-2 (KO-0820040)	99	85	46	90	15	12	68	10	105	3,480
FMD-RK 90x50	50x55x15-3 (K68-050)	50x60x10 (K33-050 PU)	50x65,5x6,3 (K29-050 PU)	50x60x7/5 (K06-050 PU)	82x4-2 (KO-0820040)	99	85	51	90	15	12	68	10	105	3,148
FMD-RK 90x55	55x60x15-3 (K68-055)	55x65x10 (K33-055 PU)	55x70,5x6,3 (K29-055 PU)	55x65x7/5 (K06-055 PU)	82x4-2 (KO-0820040)	99	85	56	90	15	12	68	10	105	2,772
FMD-RK 90x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	82x4-2 (KO-0820040)	99	85	61	90	15	12	68	10	105	2,365
FMD-RK 90x65	65x70x15-3 (K68-065)	65x75x10 (K33-065 PU)	65x80,5X6,3 (K29-065 PU)	65x75x7/5 (K06-065 PU)	82x4-2 (KO-0820040)	99	85	66	90	15	12	68	10	105	1,932
FMD-RK 90x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	YOK (UNAVAILABLE	70x80x7/5 (K06-070 PU)	82x4-2 (KO-0820040)	99	85	71	90	15	12	68	10	105	1,537
FMD-RK 100x50	50x55x15-3 (K68-050)	50x60x10 (K33-050 PU)	50x65,5x6,3 (K29-050 PU)	50x60x7/5 (K06-050 PU)	92x4-2 (KO-0920040)	109	95	51	100	15	12	68	10	105	4,355
FMD-RK 100x55	55x60x15-3 (K68-055)	55x65x10 (K33-055 PU)	55x70,5x6,3 (K29-055 PU)	55x65x7/5 (K06-055 PU)	92x4-2 (KO-0920040)	109	95	56	100	15	12	68	10	105	3,991
FMD-RK 100x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	92x4-2 (KO-0920040)	109	95	61	100	15	12	68	10	105	3,582
FMD-RK 100x65	65x70x15-3 (K68-065)	65x75x10 (K33-065 PU)	65x80,5X6,3 (K29-065 PU)	65x75x7/5 (K06-065 PU)	92x4-2 (KO-0920040)	109	95	66	100	15	12	68	10	105	3,154
FMD-RK 100x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	92x4-2 (KO-0920040)	109	95	71	100	15	12	68	10	105	2,674
FMD-RK 100x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	92x4-2 (KO-0920040)	109	95	76	100	15	12	68	10	105	2,124
FMD-RK 100x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	YOK (UNAVAILABLE)	80x92x12/7 (K06-080 PU)	92x4-2 (KO-0920040)	109	95	81	100	15	12	68	10	105	1,687
FMD-RK 110x50	50x55x15-3 (K68-050)	50x60x10 (K33-050 PU)	50x65,5x6,3 (K29-050 PU)	50x60x7/5 (K06-050 PU)	102x4-2 (KO-1020040)	125	105	51	110	15	12	68	10	105	5,815
FMD-RK 110x55	55x60x15-3 (K68-055)	55x65x10 (K33-055 PU)	55x70,5x6,3 (K29-055 PU)	55x65x7/5 (K06-055 PU)	102x4-2 (KO-1020040)	125	105	56	110	15	12	68	10	105	5,425

Hidrolik Silindir Rot Kep
Hydraulic Cylinder Tie Rod Cap With Outer Nut



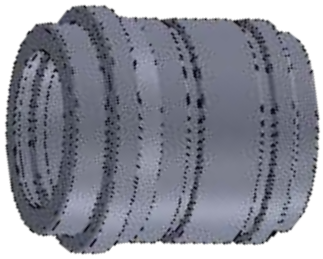
A **NUTRİNG |** ROD SEAL

B **TOZ KEÇESİ |** WIPER

C **ORİNG |** O-RING

D **YATAKLAMA-1 |** ROD GUIDE-1

E **ÖN BASINÇ RİNGİ |** BUFFER SEAL



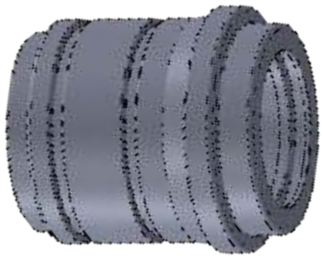
ÜRÜN KODU PRODUCT CODE	YATAKLAMA ROD GUIDE RING	NUTRİNG ROD SEAL	ÖN BASINÇ RİNGİ BUFFER SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm	L mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-RK 110x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	102x4-2 (KO-1020040)	125	105	61	110	15	12	68	10	105	5,035
FMD-RK 110x65	65x70x15-3 (K68-065)	65x75x10 (K33-065 PU)	65x80,5X6,3 (K29-065 PU)	65x75x7/5 (K06-065 PU)	102x4-2 (KO-1020040)	125	105	66	110	15	12	68	10	105	4,577
FMD-RK 110x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	102x4-2 (KO-1020040)	125	105	71	110	15	12	68	10	105	4,105
FMD-RK 110x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	102x4-2 (KO-1020040)	125	105	76	110	15	12	68	10	105	3,551
FMD-RK 110x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	102x4-2 (KO-1020040)	125	105	81	110	15	12	68	10	105	3,037
FMD-RK 110x85	85x90x15-3 (K68-085)	85x95x12 (K33-085 PU)	85x100,5X6,3 (K29-085 PU)	85x97x12/7 (K06-085 PU)	102x4-2 (KO-1020040)	125	105	86	110	15	12	68	10	105	2,441
FMD-RK 115x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	108x4-2 (KO-1080040)	125	105	61	115	15	12	68	10	105	5,573
FMD-RK 115x65	65x70x15-3 (K68-065)	65x75x10 (K33-065 PU)	65x80,5X6,3 (K29-065 PU)	65x75x7/5 (K06-065 PU)	108x4-2 (KO-1080040)	125	105	66	115	15	12	68	10	105	5,136
FMD-RK 115x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	108x4-2 (KO-1080040)	125	105	71	115	15	12	68	10	105	4,648
FMD-RK 115x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	108x4-2 (KO-1080040)	125	105	76	115	15	12	68	10	105	4,106
FMD-RK 115x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	108x4-2 (KO-1080040)	125	105	81	115	15	12	68	10	105	3,566
FMD-RK 120x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	112x4-2 (KO-1120040)	135	110	61	120	15	12	68	10	105	6,406
FMD-RK 120x65	65x70x15-3 (K68-065)	65x75x10 (K33-065 PU)	65x80,5X6,3 (K29-065 PU)	65x75x7/5 (K06-065 PU)	112x4-2 (KO-1120040)	135	110	66	120	15	12	68	10	105	5,970
FMD-RK 120x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	112x4-2 (KO-1120040)	135	110	71	120	15	12	68	10	105	5,487
FMD-RK 120x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	112x4-2 (KO-1120040)	135	110	76	120	15	12	68	10	105	5,488
FMD-RK 120x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	112x4-2 (KO-1120040)	135	110	81	120	15	12	68	10	105	4,413
FMD-RK 120x85	85x90x15-3 (K68-085)	85x95x12 (K33-085 PU)	85x100,5X6,3 (K29-085 PU)	85x97x12/7 (K06-085 PU)	112x4-2 (KO-1120040)	135	110	86	120	15	12	68	10	105	3,849
FMD-RK 120x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	112x4-2 (KO-1120040)	135	110	91	120	15	12	68	10	105	3,230
FMD-RK 125x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	118x4-2 (KO-1180040)	139	115	71	125	15	12	68	10	105	6,253
FMD-RK 125x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	118x4-2 (KO-1180040)	139	115	76	125	15	12	68	10	105	5,718
FMD-RK 125x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	118x4-2 (KO-1180040)	139	115	81	125	15	12	68	10	105	5,178
FMD-RK 125x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	118x4-2 (KO-1180040)	139	115	91	125	15	12	68	10	105	4,000
FMD-RK 125x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	118x4-2 (KO-1180040)	139	115	101	125	15	12	68	10	105	2,608
FMD-RK 130x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	122x4-2 (KO-1220040)	145	125	71	130	15	12	68	10	105	7,212
FMD-RK 130x75	75x80x15-3 (K68-075)	75x85x12 (K33-075 PU)	75x90,5X6,3 (K29-075 PU)	75x87x12/7 (K06-075 PU)	122x4-2 (KO-1220040)	145	125	76	130	15	12	68	10	105	6,670
FMD-RK 130x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	122x4-2 (KO-1220040)	145	125	81	130	15	12	68	10	105	6,123
FMD-RK 130x85	85x90x15-3 (K68-085)	85x95x12 (K33-085 PU)	85x100,5X6,3 (K29-085 PU)	85x97x12/7 (K06-085 PU)	122x4-2 (KO-1220040)	145	125	86	130	15	12	68	10	105	5,552
FMD-RK 130x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	122x4-2 (KO-1220040)	145	125	91	130	15	12	68	10	105	4,935
FMD-RK 130x95	95x100x15-3 (K68-095)	95x105x12 (K33-095 PU)	95x110,5x6,3 (K29-095 PU)	95x107x12/7 (K06-095 PU)	122x4-2 (KO-1220040)	145	125	96	130	15	12	68	10	105	4,316
FMD-RK 130x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	122x4-2 (KO-1220040)	145	125	101	130	15	12	68	10	105	3,585
FMD-RK 140x60	60x65x15-3 (K68-060)	60x70x10 (K33-060/3 PU)	60x75,5X6,3 (K29-060 PU)	60x70x7/5 (K06-060 PU)	132x4-2 (KO-1320040)	155	130	61	140	15	12	68	10	105	9,755

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

FMD HIDROLIK | HYDRAULIC
KASTAŞ
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Hidrolik Silindir Rot Kep

Hydraulic Cylinder Tie Rod Cap With Outer Nut



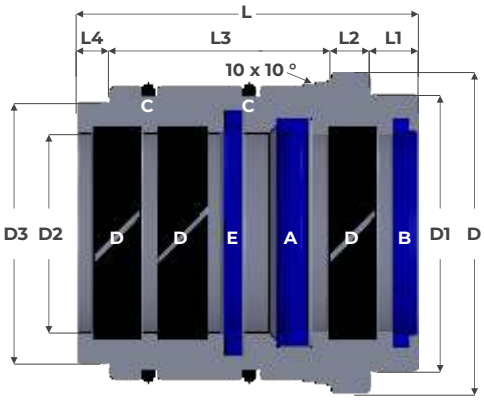
YATAKLAMA-1 | ROD GUIDE-1 **D**

ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	YATAKLAMA ROD GUIDE RING	NUTRİNG ROD SEAL	ÖN BASINÇ RİNGİ BUFFER SEAL	TOZ KEÇESİ WIPER	ORİNG O-RING	D mm	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm	L mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-RK 140x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	132x4-2 (KO-1320040)	155	130	71	140	15	12	68	10	105	8,804
FMD-RK 140x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	132x4-2 (KO-1320040)	155	130	81	140	15	12	68	10	105	7,723
FMD-RK 140x85	85x90x15-3 (K68-085)	85x95x12 (K33-085 PU)	85x100,5X6,3 (K29-085 PU)	85x97x12/7 (K06-085 PU)	132x4-2 (KO-1320040)	155	130	86	140	15	12	68	10	105	7,168
FMD-RK 140x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	132x4-2 (KO-1320040)	155	130	91	140	15	12	68	10	105	6,575
FMD-RK 140x95	95x100x15-3 (K68-095)	95x105x12 (K33-095 PU)	95x110,5x6,3 (K29-095 PU)	95x107x12/7 (K06-095 PU)	132x4-2 (KO-1320040)	155	130	96	140	15	12	68	10	105	5,940
FMD-RK 140x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	132x4-2 (KO-1320040)	155	130	101	140	15	12	68	10	105	5,166
FMD-RK 140x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	132x4-2 (KO-1320040)	155	130	111	140	15	12	68	10	105	3,725
FMD-RK 150x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	142x4-2 (KO-1420040)	165	130	91	150	15	12	68	10	105	8,166
FMD-RK 150x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	142x4-2 (KO-1420040)	165	130	101	150	15	12	68	10	105	6,574
FMD-RK 150x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	142x4-2 (KO-1420040)	165	130	111	150	15	12	68	10	105	5,325
FMD-RK 150x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	142x4-2 (KO-1420040)	165	130	121	150	15	12	68	10	105	3,944
FMD-RK 160x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	152x4-2 (KO-1520040)	175	150	101	160	15	12	68	10	105	8,992
FMD-RK 160x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	152x4-2 (KO-1520040)	175	150	111	160	15	12	68	10	105	5,937
FMD-RK 160x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	152x4-2 (KO-1520040)	175	150	121	160	15	12	68	10	105	5,850
FMD-RK 160x130	130x135x15-3 (K68-130)	130x150x15 (K33-130/2 PU)	130x145,5X6,3 (K29-130 PU)	130x142x12/7 (K06-130/1 PU)	152x4-2 (KO-1520040)	175	150	131	160	15	12	68	10	105	4,096
FMD-RK 170x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	162x4-2 (KO-1620040)	189	160	121	170	15	12	68	10	105	8,200
FMD-RK 180x140	140x145x15-3 (K68-140)	140x160x15 (K33-140 PU)	140x155,5X6,3 (K29-140 PU)	140x152x12/7 (K06-140/6 PU)	172x4-2 (KO- 1720040)	205	160	141	180	15	12	68	10	105	7,078

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR ÇAKMA ROT KEP

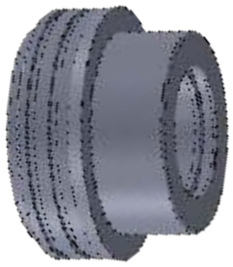
HYDRAULIC CYLINDER TIE ROD CAP WITH INTERNAL NUT



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Hidrolik Silindir Çakma Rot Kep
Hydraulic Cylinder Tie Rod Cap With Internal Nut



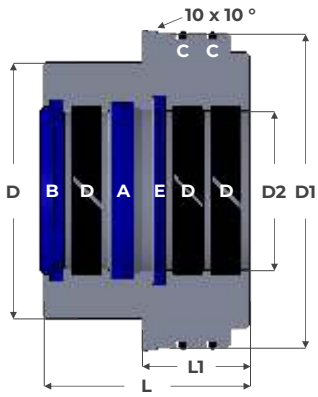
YATAKLAMA-1 | ROD GUIDE-1 **D**

ÖN BASINÇ RİNGİ | BUFFER SEAL **E**

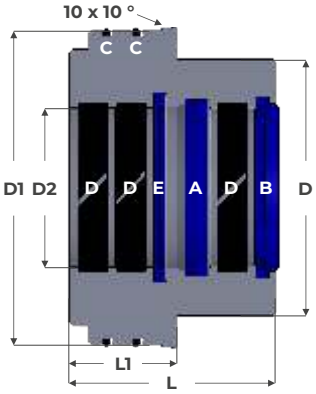
NUTRİNG | ROD SEAL **A**

TOZ KEÇESİ | WIPER **B**

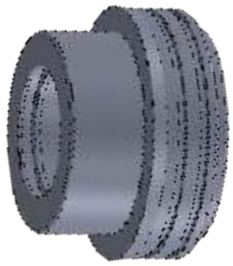
ORİNG | O-RING **C**



ÜRÜN KODU PRODUCT CODE	YATAKLAMA ROD GUIDE RING	NUTRİNG ROD SEAL	ÖN BASINÇ RİNGİ BUFFER SEAL	TOZ KEÇESİ WIPER	ORİNG O-RİNG	D mm	D1 mm	D2 mm	L mm	L1 mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇRK 140x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	132x4-2 (KO-1320040)	125	140	71	105	55	7,379
FMD-ÇRK 140x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	132x4-2 (KO-1320040)	125	140	81	105	55	6,226
FMD-ÇRK 140x85	85x90x15-3 (K68-085)	85x95x12 (K33-085 PU)	85x100,5X6,3 (K29-085 PU)	85x97x12/7 (K06-085 PU)	132x4-2 (KO-1320040)	125	140	86	105	55	5,727
FMD-ÇRK 140x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	132x4-2 (KO-1320040)	125	140	91	105	55	5,142
FMD-ÇRK 140x95	95x100x15-3 (K68-095)	95x105x12 (K33-095 PU)	95x110,5x6,3 (K29-095 PU)	95x107x12/7 (K06-095 PU)	132x4-2 (KO-1320040)	125	140	96	105	55	4,489
FMD-ÇRK 140x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	132x4-2 (KO-1320040)	125	140	101	105	55	3,796
FMD-ÇRK 140x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	132x4-2 (KO-1320040)	130	140	111	105	55	2,759
FMD-ÇRK 150x70	70x75x15-3 (K68-070)	70x80x12 (K33-070 PU)	70x85,5X6,3 (K29-070 PU)	70x80x7/5 (K06-070 PU)	142x4-2 (KO-1420040)	130	150	71	105	55	8,646
FMD-ÇRK 150x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	142x4-2 (KO-1420040)	130	150	81	105	55	7,565
FMD-ÇRK 150x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	142x4-2 (KO-1420040)	130	150	91	105	55	6,361
FMD-ÇRK 150x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	142x4-2 (KO-1420040)	130	150	101	105	55	4,973
FMD-ÇRK 150x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	142x4-2 (KO-1420040)	135	150	111	105	55	3,931
FMD-ÇRK 160x80	80x85x15-3 (K68-080)	80x90x12 (K33-080 PU)	80x95,5X6,3 (K29-080 PU)	80x92x12/7 (K06-080 PU)	152x4-2 (KO-1520040)	130	160	81	105	55	8,658
FMD-ÇRK 160x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	152x4-2 (KO-1520040)	130	160	91	105	55	7,474
FMD-ÇRK 160x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	152x4-2 (KO-1520040)	130	160	101	105	55	6,062
FMD-ÇRK 160x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	152x4-2 (KO-1520040)	130	160	111	105	55	4,629
FMD-ÇRK 170x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	160x4-2 (KO-1600040)	140	170	111	105	55	6,554
FMD-ÇRK 180x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	172x4-2 (KO-1720040)	150	180	91	105	55	11,383
FMD-ÇRK 180x95	95x100x15-3 (K68-095)	95x105x12 (K33-095 PU)	95x110,5x6,3 (K29-095 PU)	95x107x12/7 (K06-095 PU)	172x4-2 (KO-1720040)	150	180	96	105	55	10,825
FMD-ÇRK 180x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	172x4-2 (KO-1720040)	150	180	101	105	55	10,003
FMD-ÇRK 180x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	172x4-2 (KO-1720040)	150	180	111	105	55	8,552
FMD-ÇRK 180x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	172x4-2 (KO-1720040)	150	180	121	105	55	6,923
FMD-ÇRK 190x130	130x135x15-3 (K68-130)	130x150x15 (K33-130/2 PU)	130x145,5X6,3 (K29-130 PU)	130x142x12/7 (K06-130/1 PU)	182x4-2 (KO-1820040)	160	190	131	105	55	7,319
FMD-ÇRK 200x90	90x95x15-3 (K68-090)	90x100x12 (K33-090 PU)	90x105,5X6,3 (K29-090 PU)	90x102x12/7 (K06-090 PU)	192x4-2 (KO-1920040)	160	200	91	105	55	14,857
FMD-ÇRK 200x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	192x4-2 (KO-1920040)	160	200	101	105	55	13,480
FMD-ÇRK 200x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	192x4-2 (KO-1920040)	160	200	111	105	55	12,059
FMD-ÇRK 200x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	192x4-2 (KO-1920040)	160	200	121	105	55	10,377
FMD-ÇRK 200x130	130x135x15-3 (K68-130)	130x150x15 (K33-130/2 PU)	130x145,5X6,3 (K29-130 PU)	130x142x12/7 (K06-130/1 PU)	192x4-2 (KO-1920040)	160	200	131	105	55	8,571
FMD-ÇRK 200x140	140x145x15-3 (K68-140)	140x160x15 (K33-140 PU)	140x155,5X6,3 (K29-140 PU)	140x152x12/7 (K06-140/6 PU)	192x4-2 (KO-1920040)	170	200	141	105	55	7,784
FMD-ÇRK 220x100	100x105x15-3 (K68-100)	100x115x12 (K33-100 PU)	100x115,5X6,3 (K29-100 PU)	100x112x12/7 (K06-100 PU)	210x4-2 (KO-2100040)	180	220	101	105	55	18,421
FMD-ÇRK 220x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	210x4-2 (KO-2100040)	180	220	111	105	55	16,875
FMD-ÇRK 220x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	210x4-2 (KO-2100040)	180	220	121	105	55	15,284
FMD-ÇRK 220x125	125x130x15-3 (K68-125/1)	125x145x15 (K33-125/1 PU)	125x140,5x6,3 (K29-125 PU)	125x137x12/7 (K06-125/2)	210x4-2 (KO-2100040)	180	220	126	105	55	14,354



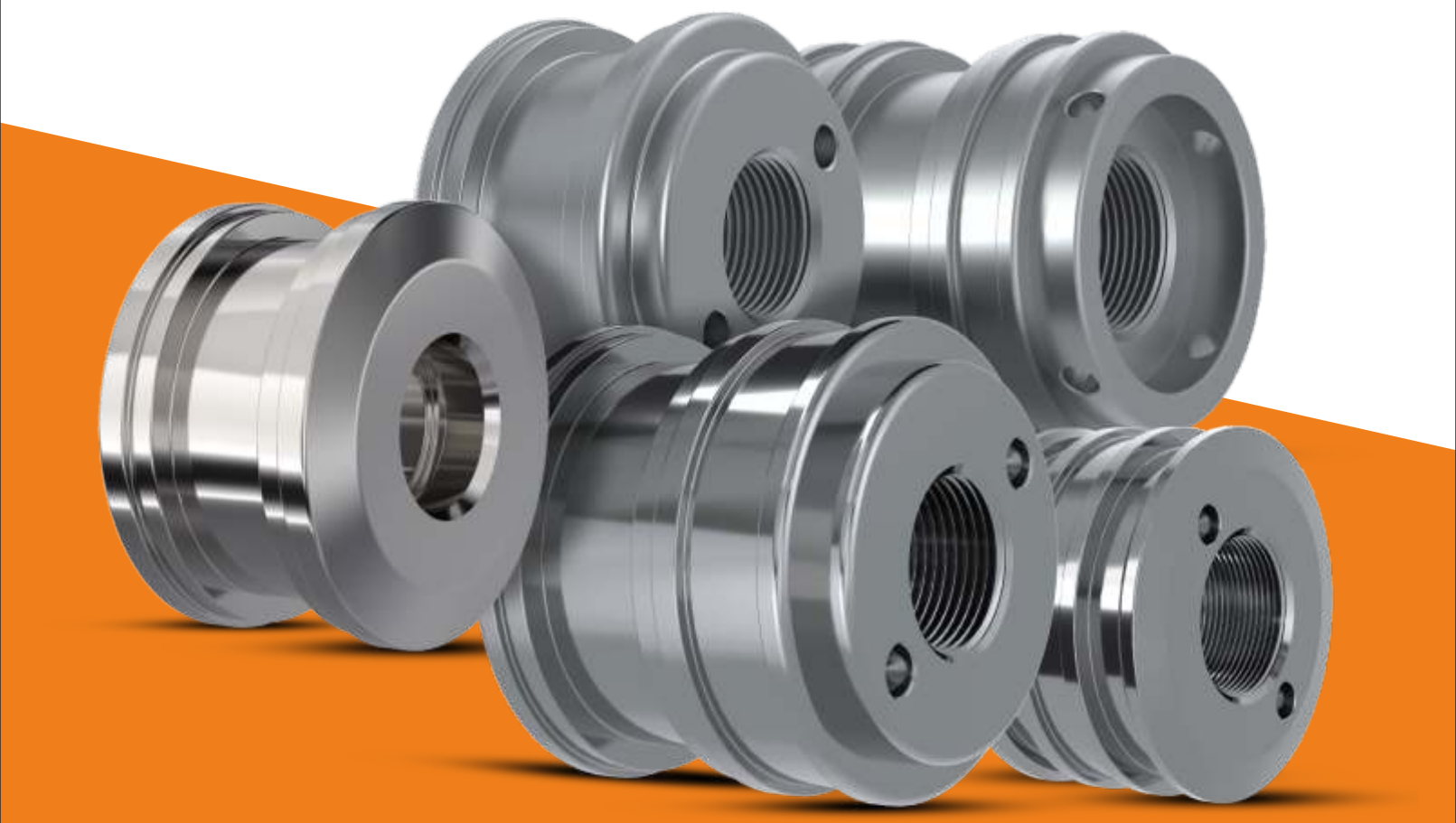
A **NUTRİNG |** ROD SEAL
B **TOZ KEÇESİ |** WIPER
C **ORİNG |** O-RING
D **YATAKLAMA-1 |** ROD GUIDE-1
E **ÖN BASINÇ RİNGİ |** BUFFER SEAL



ÜRÜN KODU PRODUCT CODE	YATAKLAMA ROD GUIDE RING	NUTRİNG ROD SEAL	ÖN BASINÇ RİNGİ BUFFER SEAL	TOZ KEÇESİ WIPER	ORİNG O-RİNG	D mm	D1 mm	D2 mm	L mm	L1 mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇRK 230x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	220x4-2 (KO-2200040)	190	230	111	105	55	19,616
FMD-ÇRK 230x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	220x4-2 (KO-2200040)	190	230	121	105	55	17,819
FMD-ÇRK 230x130	130x135x15-3 (K68-130)	130x150x15 (K33-130/2 PU)	130x145,5X6,3 (K29-130 PU)	130x142x12/7 (K06-130/1 PU)	220x4-2 (KO-2200040)	190	230	131	105	55	16,022
FMD-ÇRK 230x140	140x145x15-3 (K68-140)	140x160x15 (K33-140 PU)	140x155,5X6,3 (K29-140 PU)	140x152x12/7 (K06-140/6 PU)	220x4-2 (KO-2200040)	190	230	141	105	55	14,224
FMD-ÇRK 250x110	115X110X14,8-3 (K69-115/6)	110x125x12 (K33-110/1 PU)	110x125,5X6,3 (K29-110 PU)	110x122x12/7 (K06-110 PU)	240x4-2 (KO-2400040)	200	250	111	105	55	24,012
FMD-ÇRK 250x120	120x125x15-3 (K68-120)	120x135x15 (K33-120/1 PU)	120x135,5X6,3 (K29-120 PU)	120x132x12/7 (K06-120 PU)	240x4-2 (KO-2400040)	200	250	121	105	55	22,375
FMD-ÇRK 250x130	130x135x15-3 (K68-130)	130x150x15 (K33-130/2 PU)	130x145,5X6,3 (K29-130 PU)	130x142x12/7 (K06-130/1 PU)	240x4-2 (KO-2400040)	200	250	131	105	55	20,456
FMD-ÇRK 250x140	140x145x15-3 (K68-140)	140x160x15 (K33-140 PU)	140x155,5X6,3 (K29-140 PU)	140x152x12/7 (K06-140/6 PU)	240x4-2 (KO-2400040)	200	250	141	105	55	18,681
FMD-ÇRK 250x150	150x155x15-3 (K68-150)	150x170x15 (K33-150/3 PU)	YOK (UNAVAILABLE)	150x162x12/7 (K06-150/2 PU)	240x4-2 (KO-2400040)	200	250	151	105	55	16,886
FMD-ÇRK 250x160	160x165x15-3 (K68-160)	160x180x15 (K33-160/3 PU)	YOK (UNAVAILABLE)	160x172x12/7 (K06-160/1 PU)	240x4-2 (KO-2400040)	200	250	161	105	55	14,670
FMD-ÇRK 260x160	160x165x15-3 (K68-160)	160x180x15 (K33-160/3 PU)	YOK (UNAVAILABLE)	160x172x12/7 (K06-160/1 PU)	250x4-2 (KO-2500040)	210	260	161	105	55	17,734
FMD-ÇRK 270x140	140x145x15-3 (K68-140)	140x160x15 (K33-140 PU)	140x155,5X6,3 (K29-140 PU)	140x152x12/7 (K06-140/6 PU)	260x4-2 (KO-2600040)	225	270	141	105	55	25,421

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using
1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR PİSTON GRUBU
HYDRAULIC CYLINDER PISTON GROUP



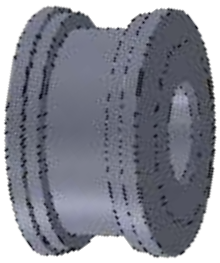
HİDROLİK SİLİNDİR DÜZ PİSTON
HYDRAULIC CYLINDER STRAIGHT PISTON



FMD
HİDROLİK | HYDRAULIC

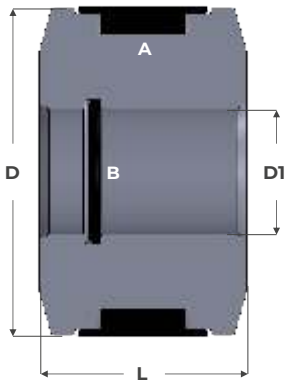
fmdhydraulic.com

Hidrolik Silindir Düz Piston
Hydraulic Cylinder Straight Piston



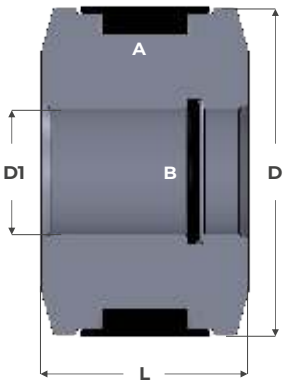
KOMPAKT SET | COMPACT PISTON SEAL **A**

ORİNG | O-RING **B**



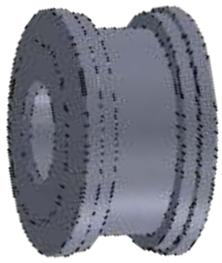
ÜRÜN KODU PRODUCT CODE	KOMPAKT SET COMPACT PISTON SEAL	ORİNG O-RING	D mm	D1 mm	L mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DP 32x15	32x24x15,5 (K18 032-024)	YOK (UNAVAILABLE	32	15	32	0,101
FMD-DP 35x16	35x25x16,4 (K18 035-025)	16x3 (KO-0160030)	35	16	40	0,142
FMD-DP 40x16	40x32x15,5 (K18 040-032)	16x3 (KO-0160030)	40	16	40	0,244
FMD-DP 40x20	40x32x15,5 (K18 040-032)	20x3 (KO-0200030)	40	20	40	0,205
FMD-DP 45x20	45x35x16,4 (K18 045-035)	20x3 (KO-0200030)	45	20	40	0,226
FMD-DP 50x16	50x38x20,5 (K18 050-038)	16x3 (KO-0160030)	50	16	40	0,371
FMD-DP 50x20	50x38x20,5 (K18 050-038)	20x3 (KO-0200030)	50	20	40	0,335
FMD-DP 50x24	50x38x20,5 (K18 050-038)	24x3 (KO-0200030)	50	24	40	0,268
FMD-DP 50x30	50x38x20,5 (K18 050-038)	30x3 (KO-0300030)	50	30	40	0,211
FMD-DP 55x20	55x39x20,5 (K18 055-039)	20x3 (KO-0200030)	55	20	40	0,405
FMD-DP 60x20	60x48x20,5 (K18 060-048)	20x3 (KO-0200030)	60	20	40	0,557
FMD-DP 63x20	63x51x20,5 (K18 063-051)	20x3 (KO-0200030)	63	20	40	0,645
FMD-DP 63x25	63x51x20,5 (K18 063-051)	25x3 (KO-0250030)	63	25	40	0,586
FMD-DP 63x30	63x51x20,5 (K18 063-051)	30x3 (KO-0300030)	63	30	40	0,517
FMD-DP 65x25	65x49x20,5 (K18 065-049)	25x3 (KO-0250030)	65	25	40	0,603
FMD-DP 70x25	70x58x20,5 (K18 070-058)	25x3 (KO-0250030)	70	25	40	0,790
FMD-DP 70x30	70x58x20,5 (K18 070-058)	30x3 (KO-0300030)	70	30	40	0,715
FMD-DP 75x32	75x55x22,4 (K18 075-055)	32x3 (KO-0320030)	75	32	50	0,908
FMD-DP 80x27	80x66x22,4 (K18 080-066)	27x3 (KO-0270030)	80	27	50	1,339
FMD-DP 80x30	80x66x22,4 (K18 080-066)	30x3 (KO-0300030)	80	30	50	1,285
FMD-DP 85x32	85x65x22,4 (K18 085-065)	32x3 (KO-0320030)	85	32	50	1,336
FMD-DP 90x30	90x76x22,4 (K18 090-076)	30x3 (KO-0300030)	90	30	50	1,732
FMD-DP 100x33	100x86x22,4 (K18 100-086)	33x3 (KO-0330030)	100	33	50	2,186
FMD-DP 100x40	100x86x22,4 (K18 100-086)	40x4 (KO-0400040)	100	40	50	2,028
FMD-DP 110x40	110x96x22,4 (K18 110-096)	40x4 (KO-0400040)	110	40	50	2,618
FMD-DP 115x40	115x101x22,4 (K18 115-101)	40x4 (KO-0400040)	115	40	50	2,938
FMD-DP 120x40	120x106x22,4 (K18 120-106)	40x4 (KO-0400040)	120	40	50	3,259
FMD-DP 125x40	125x103x26,5 (K18 125-103)	40x4 (KO-0400040)	125	40	50	3,296
FMD-DP 130x40	130x105x25,4 (K18 130-105)	40x4 (KO-0400040)	130	40	60	4,340
FMD-DP 140x40	140x123x26,5 (K18 140-123)	40x4 (KO-0400040)	140	40	60	5,582
FMD-DP 150x40	150x125x25,4 (K18 150-125/1)	40x4 (KO-0400040)	150	40	60	6,170
FMD-DP 160x50	160x143x26,5 (K18 160-143)	50x4 (KO-0500040)	160	50	60	7,285
FMD-DP 170x50	170x145x25,4 (K18 170-145)	50x4 (KO-0500040)	170	50	65	8,688

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.



A **KOMPAKT SET |** COMPACT PISTON SEAL

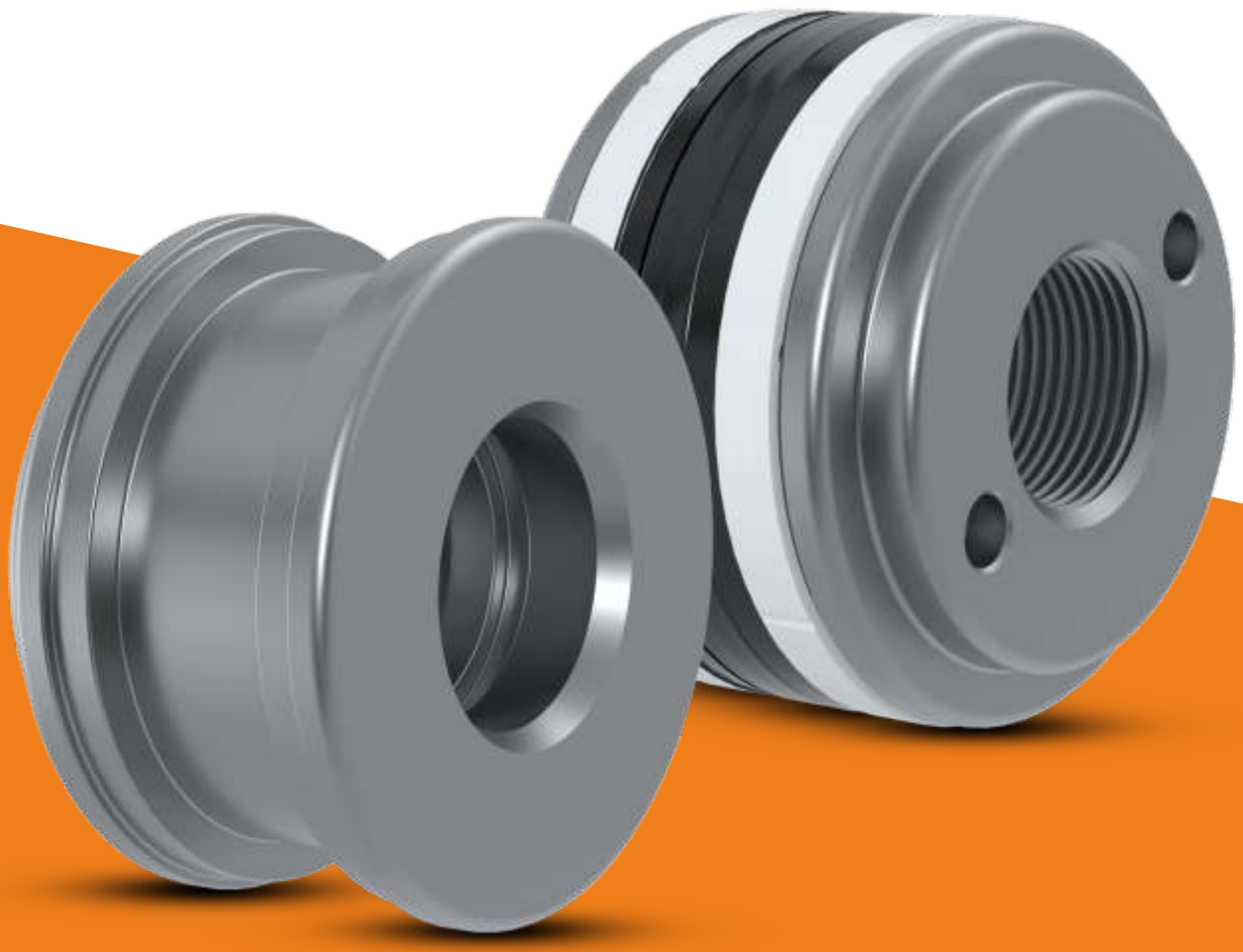
B **ORİNG |** O-RING

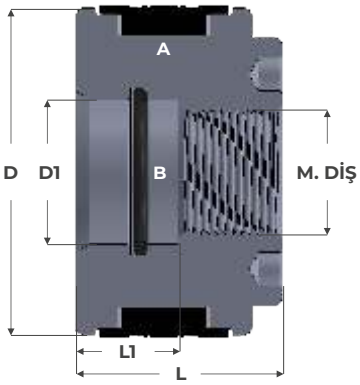


ÜRÜN KODU PRODUCT CODE	KOMPAKT SET COMPACT PISTON SEAL	ORİNG O-RING	D mm	D1 mm	L mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-DP 180x50	180x163x26,5 (K18 180-163)	50x4 (KO-0500040)	180	50	60	9,614
FMD-DP 190x50	190x165x25,4/12,7 (K18 190-165)	50x4 (KO-0500040)	190	50	65	11,260
FMD-DP 200x55	200x175x25,4/12,7 (K18 200-175/1)	55x4 (KO-0550040)	200	55	65	12,657
FMD-DP 220x70	220x190x35,4/6,35 (K18 220-190/1)	70x4 (KO-0700040)	220	70	70	15,705
FMD-DP 250x80	250x225x25,4 (K18 250-225)	80x4 (KO-0800040)	250	80	70	21,405

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using
1040/CK45 grade carbon steel.

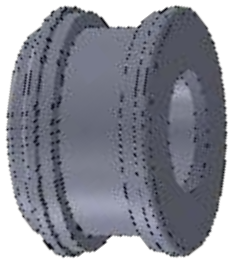
HİDROLİK SİLİNDİR VİDALI PİSTON
HYDRAULIC CYLINDER THREADED PISTON





A **KOMPAKT SET |** COMPACT PISTON SEAL

B **ORİNG |** O-RING

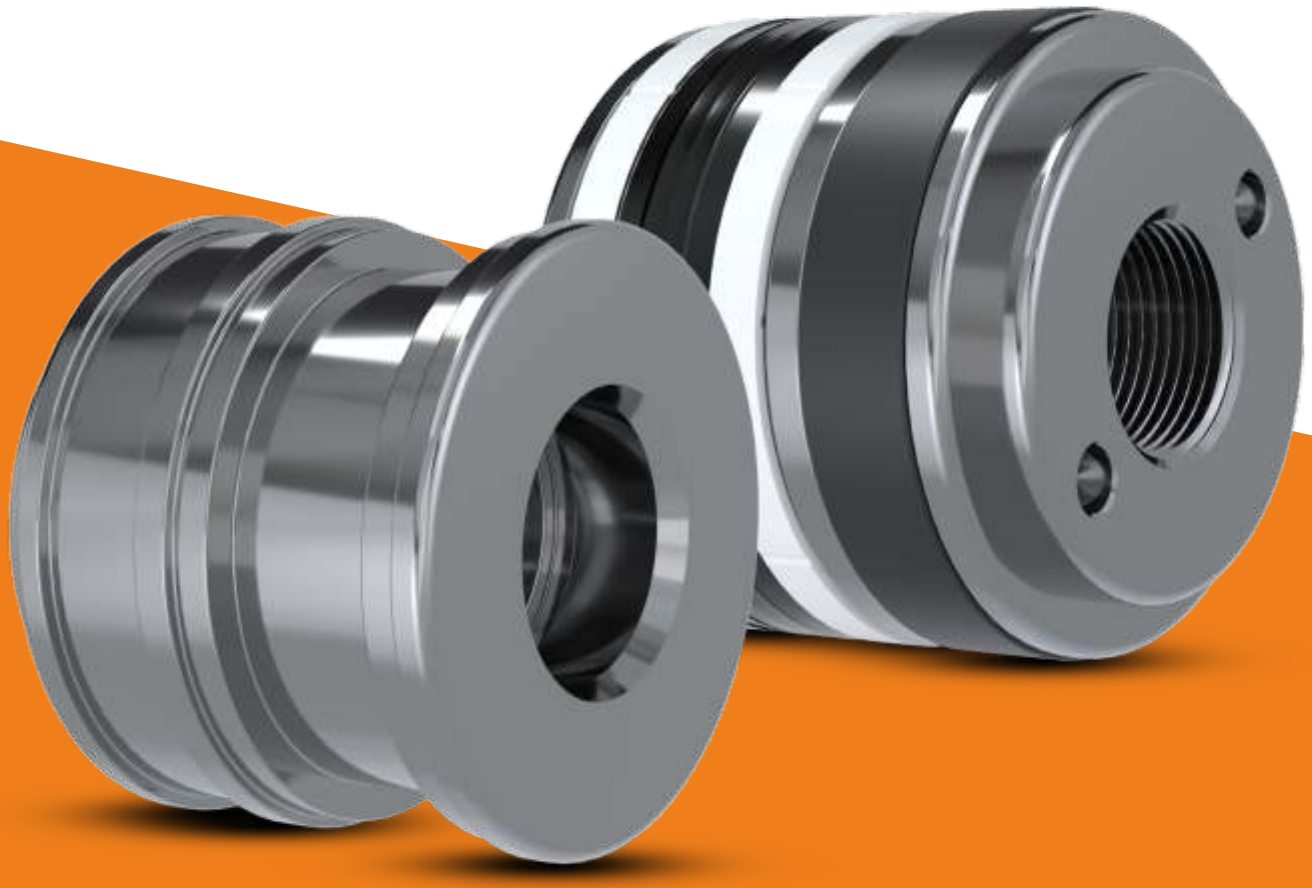


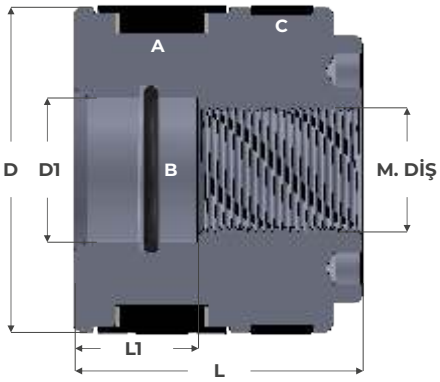
ÜRÜN KODU PRODUCT CODE	KOMPAKT SET COMPACT PISTON SEAL	ORİNG O-RİNG	D mm	D1 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-VP 32	32x24x15,5 (K18 032-024)	YOK (UNAVAILABLE)	32	18	40	20	16x1,5	0,112
FMD-VP 40	40x32x15,5 (K18 040-032)	20,22x3,53 (KO-0202235)	40	20	40	20	18x1,5	0,200
FMD-VP 45	45x35x16,4 (K18 045-035)	20,22x3,53 (KO-0202235)	45	20	45	22,5	18x1,5	0,304
FMD-VP 50	50x38x20,5 (K18 050-038)	24,99x3,53 (KO-0249935)	50	25	45	22,5	20x2	0,350
FMD-VP 55	55x39x20,5 (K18 055-039)	24,99x3,53 (KO-0249935)	55	25	45	22,5	20x2	0,425
FMD-VP 60	60x48x20,5 (K18 060-048)	29,75x3,53 (KO-0297535)	60	30	45	22,5	27x2	0,528
FMD-VP 63	63x51x20,5 (K18 063-051)	29,75x3,53 (KO-0297535)	63	30	45	22,5	27x2	0,605
FMD-VP 65	65x49x20,5 (K18 065-049)	29,75x3,53 (KO-0297535)	65	30	45	22,5	27x2	0,606
FMD-VP 70	70x58x20,5 (K18 070-058)	29,75x3,53 (KO-0297535)	70	30	45	22,5	27x2	0,820
FMD-VP 75	75x55x22,4 (K18 075-055)	29,75x3,53 (KO-0297535)	75	30	50	25	27x2	0,964
FMD-VP 80	80x66x22,4 (K18 080-066)	34,52x3,53 (KO-0345235)	80	35	50	25	30x2	1,201
FMD-VP 85	85x65x22,4 (K18 085-065)	39,69X3,53 (KO-0396935)	85	40	50	25	35x2	1,193
FMD-VP 90	90x76x22,4 (K18 090-076)	39,69X3,53 (KO-0396935)	90	40	50	25	35x2	1,553
FMD-VP 100	100x86x22,4 (K18 100-086)	45x4 (KO-0450040)	100	45	50	25	40x2	1,917
FMD-VP 110	110x96x22,4 (K18 110-096)	45x4 (KO-0450040)	110	45	50	25	40x2	2,504
FMD-VP 115	115x101x22,4 (K18 115-101)	45x4 (KO-0450040)	115	45	50	25	40x2	2,810
FMD-VP 120	120x106x22,4 (K18 120-106)	50x4 (KO-0500040)	120	50	50	25	45x2	3,005
FMD-VP 125	125x103x26,5 (K18 125-103)	50x4 (KO-0500040)	125	50	60	30	45x2	3,696
FMD-VP 130	130x105x25,4 (K18 130-105)	60x4 (KO-0600040)	130	60	60	30	50x2	3,645
FMD-VP 140	140x123x26,5 (K18 140-123)	60x4 (KO-0600040)	140	60	60	30	55x2	4,874
FMD-VP 150	150x125x25,4 (K18 150-125/1)	65x4 (KO-0650040)	150	65	60	30	60x2	4,961
FMD-VP 160	160x143x26,5 (K18 160-143)	65x4 (KO-0650040)	160	65	60	30	60x2	6,691
FMD-VP 170	170x145x25,4 (K18 170-145)	70x4 (KO-0700040)	170	70	65	30	65x2	7,776
FMD-VP 180	180x163x26,5 (K18 180-163)	75x4 (KO-0750040)	180	75	60	30	70x2	8,523
FMD-VP 190	190x165x25,4/12,7 (K18 190-165)	85x4 (KO-0850040)	190	85	65	30	75x2	9,652
FMD-VP 200	200x175x25,4/12,7 (K18 200-175/1)	80x5 (KO-0800050)	200	80	70	30	75x2	12,087
FMD-VP 220	220x190x35,4/6,35 (K18 220-190/1)	90x5 (KO-0900050)	220	90	70	30	85x2	13,513
FMD-VP 230	230x205x25,4 (K18 230-205)	100x5 (KO-1000050)	230	100	70	30	95x2	15,306
FMD-VP 250	250x225x25,4 (K18 250-225)	100x5 (KO-1000050)	250	100	70	30	95x2	19,105

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR TEK YATAKLI VİDALI PİSTON

HYDRAULIC CYLINDER SINGLE GUIDE RING THREADED PISTON

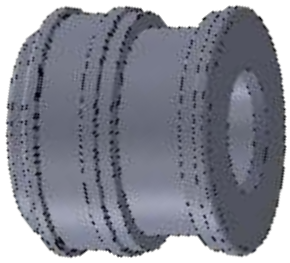




A **KOMPAKT SET |** COMPACT PISTON SEAL

B **ORİNG |** O-RING

C **YATAKLAMA |** PISTON GUIDE RING

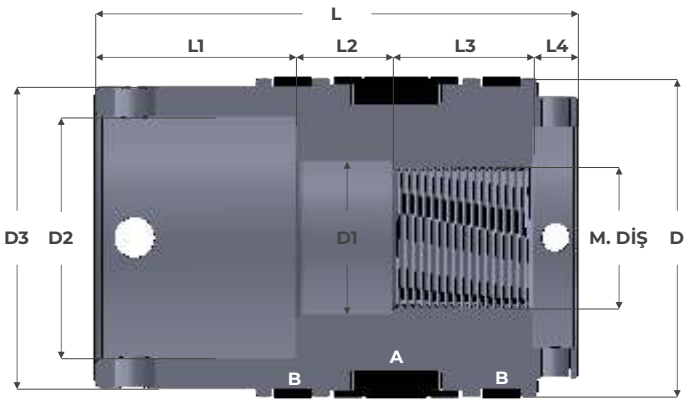


ÜRÜN KODU PRODUCT CODE	KOMPAKT SET COMPACT PISTON SEAL	YATAKLAMA PISTON GUIDE RING	ORİNG O-RING	D mm	D1 mm	L mm	L1 mm	METRİK DİŞ METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-TYVP 50	50x38x20,5 (K18 050-038)	45x50x15 (K68-045)	24,99x3,53 (KO-0249935)	50	25	65	30	22x1,5	0,533
FMD-TYVP 60	60x48x20,5 (K18 060-048)	55x60x15 (K68-055)	29,75x3,53 (KO-0297535)	60	30	65	30	27x2	0,820
FMD-TYVP 63	63x51x20,5 (K18 063-051)	58x63x15 (K68-058/3)	29,75x3,53 (KO-0297535)	63	30	65	30	27x2	0,940
FMD-TYVP 70	70x58x20,5 (K18 070-058)	65x70x15 (K68-065)	29,75x3,53 (KO-0297535)	70	30	65	30	27x2	1,263
FMD-TYVP 80	80x66x22,4 (K18 080-066)	75x80x15 (K68-075)	34,52x3,53 (KO-0345235)	80	35	70	30	30x2	1,794
FMD-TYVP 90	90x76x22,4 (K18 090-076)	85x90x15 (K68-085)	39,69x3,53 (KO-0396935)	90	40	70	30	35x2	2,315
FMD-TYVP 100	100x86x22,4 (K18 100-086)	95x100x15 (K68-095)	45x4 (KO-0450040)	100	45	70	30	40x2	2,846
FMD-TYVP 110	110x96x22,4 (K18 110-096)	105x110x15 (K68-105)	45x4 (KO-0450040)	110	45	70	30	40x2	3,680
FMD-TYVP 115	115x101x22,4 (K18 115-101)	115X110X14,8 (K69-115/6)	45x4 (KO-0450040)	115	45	70	30	40x2	4,129
FMD-TYVP 120	120x106x22,4 (K18 120-106)	115x120x15 (K68-115)	50x4 (KO-0500040)	120	50	70	30	45x2	4,410
FMD-TYVP 125	125x103x26,5 (K18 125-103)	120x125x15 (K68-120)	60x4 (KO-0600040)	125	60	70	30	50x2	4,240
FMD-TYVP 130	130x105x25,4 (K18 130-105)	125x130x15 (K68-125/1)	60x4 (KO-0600040)	130	60	70	30	50x2	4,597
FMD-TYVP 140	140x123x26,5 (K18 140-123)	135x140x15 (K68-135/1)	60x4 (KO-0600040)	140	60	80	30	55x2	6,738
FMD-TYVP 150	150x125x25,4/6,35 (K18 150-125/1)	150x145x15 (K69-150/6)	65x4 (KO-0650040)	150	65	80	30	60x2	7,133
FMD-TYVP 160	160x143x26,5 (K18 160-143)	155x160x15 (K68-155)	65x4 (KO-0650040)	160	65	80	30	60x2	9,254
FMD-TYVP 170	170x145x25,4 (K18 170-145)	170x165x15 (K69-170)	70x4 (KO-0700040)	170	70	90	30	65x2	11,300
FMD-TYVP 180	180x163x26,5 (K18 180-163)	180x172x14,8 (K69-180/2)	75x4 (KO-0750040)	180	75	80	30	70x2	11,600
FMD-TYVP 190	(190x165x25,4/12,7) (K18 190-165)	(190x185x15) (K69-190)	85x4 (KO-0850040)	190	85	90	40	75x2	14,014
FMD-TYVP 200	200x175x25,4/12,7 (K18 200-175/1)	200x195x15 (K69-200/1)	80x5 (KO-0800050)	200	80	90	40	75x2	16,082
FMD-TYVP 220	220x190x35,4/6,35 (K18 220-190/1)	215x220x15 (K75-215)	100x5 (KO-1000050)	220	100	90	40	95x2	17,406
FMD-TYVP 230	230x205x25,4 (K18 230-205)	225x230x14,8 (K75-225)	100x5 (KO-1000050)	230	100	90	40	95x2	20,951
FMD-TYVP 250	250x225x25,4 (K18 250-225)	245x250x15 (K79-245)	100x5 (KO-1000050)	250	100	90	40	95x2	25,448
FMD-TYVP 260	260x235x35,4 (K18 260-235)	255x260x15 (K78-255)	100x5 (KO-1000050)	260	100	100	40	95x2	31,245
FMD-TYVP 270	270x245x25,4 (K18 270-245)	265x270x15 (K75-265)	100x5 (KO-1000050)	270	100	90	40	95x2	31,206

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using
1040/CK45 grade carbon steel.

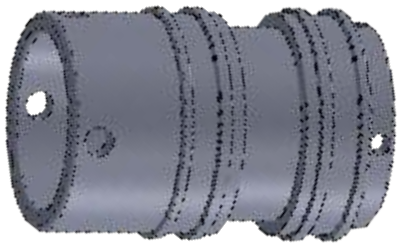
HİDROLİK SİLİNDİR ROT PİSTON
HYDRAULIC CYLINDER RODE PISTON





A **KOMPAKT SET |** COMPACT PISTON SEAL

B **YATAKLAMA |** PISTON GUIDE RING

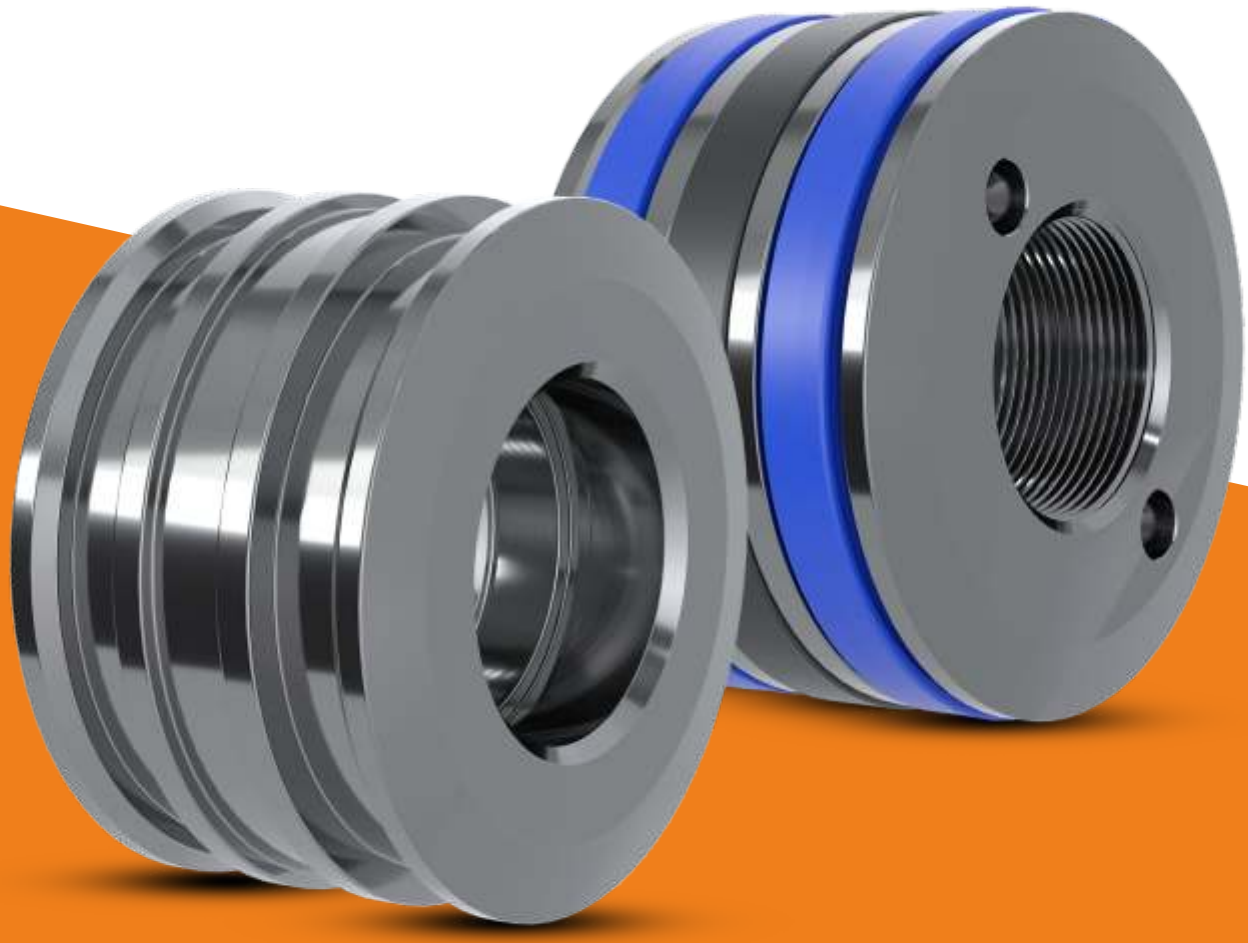


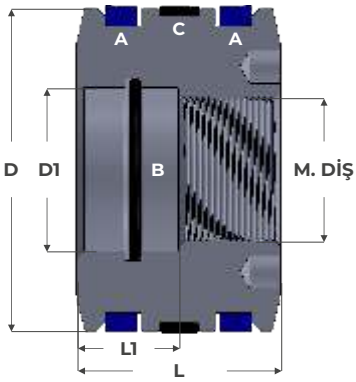
ÜRÜN KODU PRODUCT CODE	YATAKLAMA PISTON GUIDE RING	KOMPAKT SET COMPACT PISTON SEAL	ORİNG O-RING	METRİK DİŞ METRIC THREAD	D mm	D1 mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	L4 mm	L mm	ÜRÜN AĞIRLIĞI (kg) (PRODUCT WEIGHT) (kg)
FMD-RP 63	58x63x9,5-2 (K68-058)	63x51x20,5 (K18 063-051)	27x4 (KO-0270040)	32x2	63	35	48	58	50	24	35	11	120	1,165
FMD-RP 70	65x70x9,5-2 (K68-065/5)	70x58x20,5 (K18 070-058)	30x4 (KO-0300040)	35x2	70	38	50	65	50	24	35	11	120	1,613
FMD-RP 80	75x80x9,5-2 (K68-075/3)	80x66x22,4 (K18 080-066)	30x4 (KO-0300040)	35x2	80	38	60	75	50	24	35	11	120	2,275
FMD-RP 90	85x90x9,5-2 (K68-085/4)	90x76x22,4 (K18 090-076)	35x4 (KO-0350040)	40x2	90	43	70	85	50	24	35	11	120	2,515
FMD-RP 100	95x100x9,5-2 (K68-095/2)	100x86x22,4 (K18 100-086)	40x4 (KO-0400040)	45x2	100	48	75	95	50	24	35	11	120	3,556
FMD-RP 110	105x110x9,5-2 (K68-105/2)	110x96x22,4 (K18 110-096)	45x4 (KO-0450040)	50x2	110	53	80	105	50	24	35	11	120	4,509
FMD-RP 115	110x115x9,5-2 (K68-110/1)	115x101x22,4 (K18 115-101)	45x4 (KO-0450040)	50x2	115	53	85	110	50	24	35	11	120	4,973
FMD-RP 120	115x120x9,5-2 (K68-115/2)	120x106x22,4 (K18 120-106)	55x4 (KO-0550040)	60x2	120	63	95	115	50	24	35	11	120	4,775
FMD-RP 125	120x125x9,5-2 (K68-120/2)	125x103x26,5 (K18 125-103)	55x4 (KO-0550040)	60x2	125	63	100	120	50	24	35	11	120	4,882
FMD-RP 130	125x130x9,7-2 (K68-125/3)	130x105x25,4 (K18 130-105)	55x4 (KO-0550040)	60x2	130	63	100	125	50	24	35	11	120	5,058
FMD-RP 140	140x135x9,5-2 (K69-140/1)	140x123x26,5 (K18 140-123)	55x4 (KO-0550040)	60x2	140	63	110	135	50	24	35	11	120	6,945
FMD-RP 150	150x145x9,5-2 (K69-150/2)	150x125x25,4 (K18 150-125)	55x4 (KO-0550040)	60x2	150	63	120	145	50	24	35	11	120	7,756
FMD-RP 160	160x155x9,5-2 (K69-160/2)	160x143x26,5 (K18 160-143)	55x4 (KO-0550040)	60x2	160	63	130	155	50	24	35	11	120	9,631
FMD-RP 170	170x165x9,5-2 (K73-165)	170x145x25,4 (K18 170-145)	55x4 (KO-0550040)	60x2	170	63	140	165	50	24	35	11	120	9,104

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using
1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR ÇİFT NUTRİNGLİ VİDALI PİSTON

HYDRAULIC CYLINDER DOUBLE PISTON ROD SEAL THREADED PISTON





A **NUTRİNG |** PISTON ROD SEAL

B **ORİNG |** O-RING

C **YATAKLAMA |** PISTON GUIDE RING

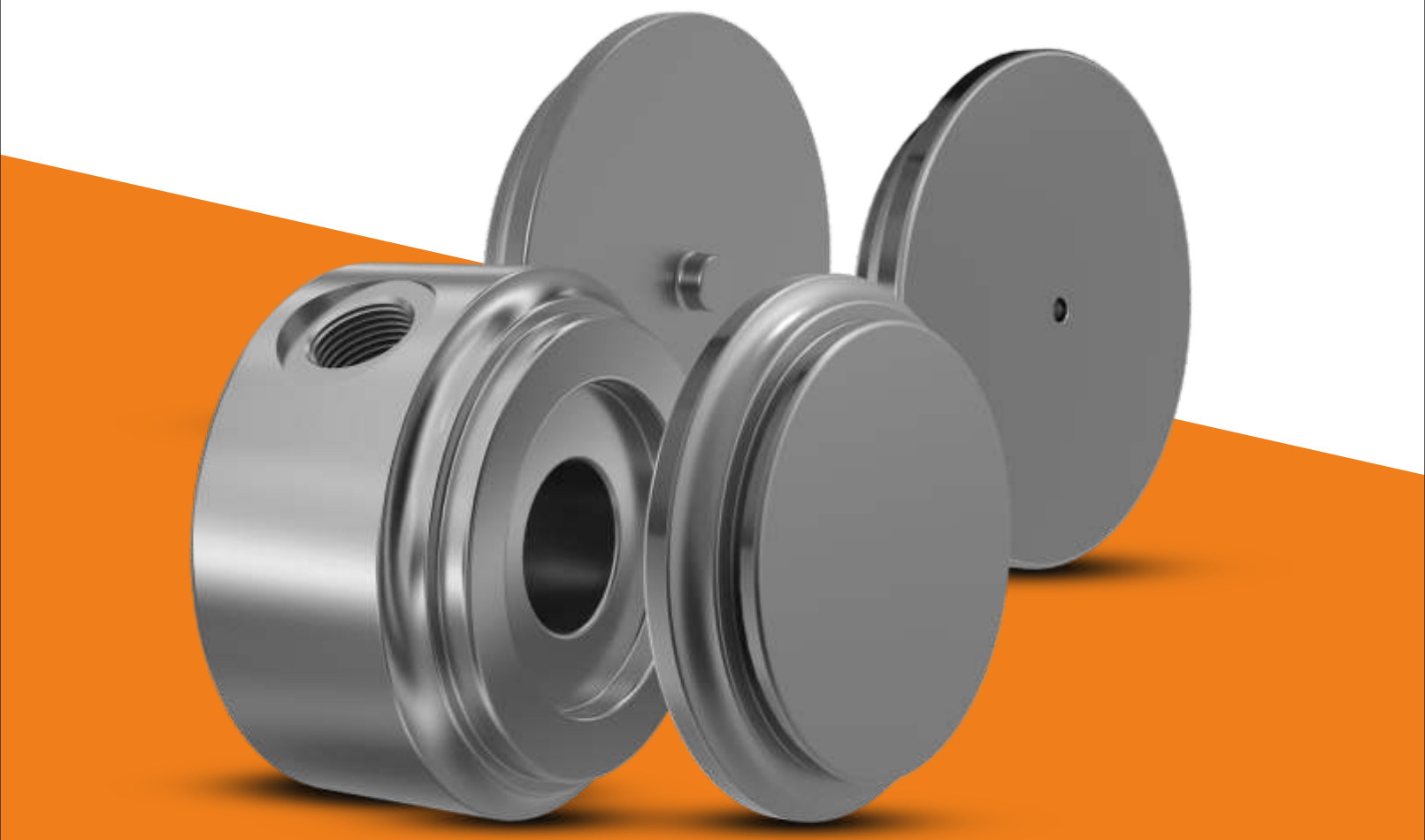


ÜRÜN KODU PRODUCT CODE	**NUTRİNG** PISTON ROD SEAL	**YATAKLAMA** PISTON GUIDE RING	**ORİNG** O-RING	**D** mm	**D1** mm	**L** mm	**L1** mm	**METRİK DİŞ** METRIC THREAD	**ÜRÜN AĞIRLIĞI (kg)** PRODUCT WEIGHT (kg)
FMD-ÇNVP 40	30x40x6-2 (K21-030/9 PU)	35x40x5.4 (K68-035/4)	22x3 (KO-0220030)	40	22	40	20	20x1,5	0,189
FMD-ÇNVP 50	40x50x6-2 (K21-040/1 PU)	45x50x5.4 (K68-045/5)	25x3 (KO-0250030)	50	25	40	20	22x1,5	0,355
FMD-ÇNVP 60	50x60x6-2 (K21-050/13 PU)	55X60X5,4 (K68-055/6)	30x3 (KO-0300030)	60	30	40	15	26x1,5	0,550
FMD-ÇNVP 63	53x63x6-2 (K21-053/5 PU)	58X63X5,4 (K68-058/1)	35x3 (KO-0350030)	63	35	40	15	30x1,5	0,568
FMD-ÇNVP 70	60x70x6-2 (K21-060/6 PU)	65X70X5,4 (K68-065/2)	40x3 (KO-0400030)	70	40	40	15	35x1,5	0,678
FMD-ÇNVP 80	70x80x8-2 (K21-070/10 PU)	75X80X9.5 (K68-075/3)	40x3 (KO-0400030)	80	40	50	25	35x1,5	1,253
FMD-ÇNVP 90	80x90x10-2 (K21-080/9 PU)	85X90X9.7 (K68-085/3)	50x4 (KO-0500040)	90	50	50	25	45x1,5	1,433
FMD-ÇNVP 100	85x100x9-2 (K21-085/8 PU)	95X100X9.5 (K68-095/2)	50x4 (KO-0500040)	100	50	50	25	45x1,5	1,892

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

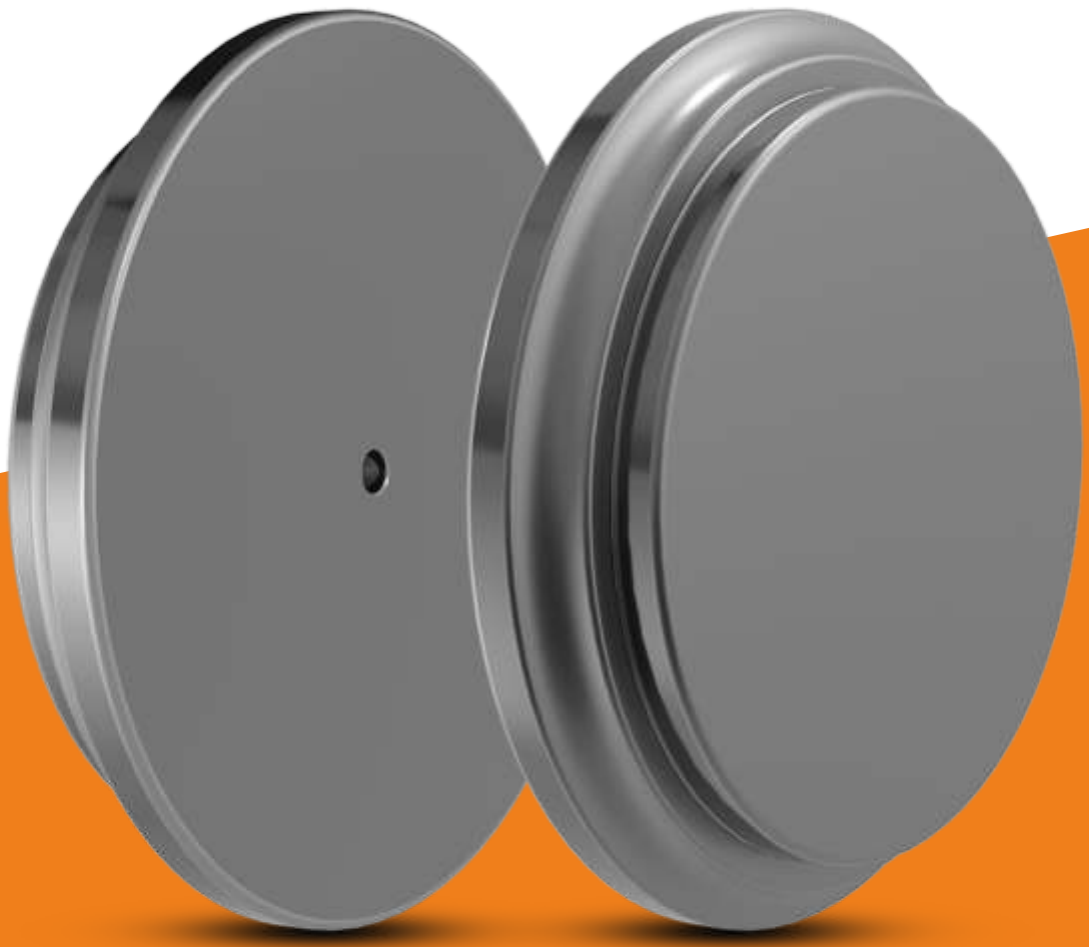
HİDROLİK SİLİNDİR ARKA KAPAK GRUBU

HYDRAULIC CYLINDER BACK COVER GROUP



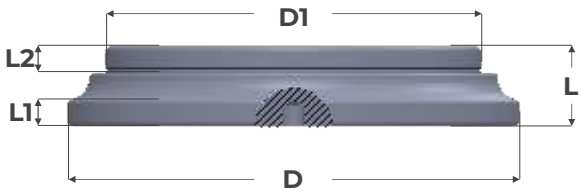
HİDROLİK SİLİNDİR BASİT TİP ARKA KAPAK

HYDRAULIC CYLINDER SIMPLE TYPE BACK COVER



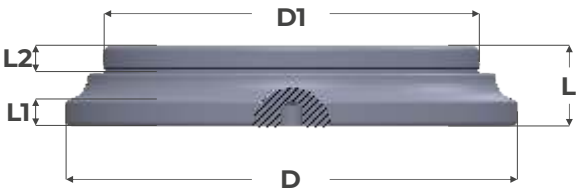
Hidrolik Silindir Basit Tip Arka Kapak
Hydraulic Cylinder Simple Type Back Cover





ÜRÜN KODU PRODUCT CODE	L mm	L1 mm	L2 mm	D mm	D1 mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-BTAK 32x40	15	5	5	40	32	0,117
FMD-BTAK 35x45	15	5	5	45	35	0,147
FMD-BTAK 40x50	15	5	5	50	40	0,185
FMD-BTAK 45x55	15	5	5	55	45	0,229
FMD-BTAK 50x60	15	5	5	60	50	0,276
FMD-BTAK 50x65	15	5	5	65	50	0,304
FMD-BTAK 55x65	15	5	5	65	55	0,330
FMD-BTAK 60x70	15	5	5	70	60	0,390
FMD-BTAK 60x80	15	5	5	80	60	0,450
FMD-BTAK 63x75	15	5	5	75	63	0,439
FMD-BTAK 65x80	15	5	5	80	65	0,487
FMD-BTAK 70x85	15	5	5	85	70	0,553
FMD-BTAK 70x90	15	5	5	90	70	0,588
FMD-BTAK 75x90	15	5	5	90	75	0,646
FMD-BTAK 80x95	15	5	5	95	80	0,713
FMD-BTAK 80x100	15	5	5	100	80	0,736
FMD-BTAK 85x100	20	9	5	100	85	1,069
FMD-BTAK 90x105	20	9	5	105	90	1,182
FMD-BTAK 90x110	20	9	5	110	90	1,450
FMD-BTAK 100x115	20	9	5	115	100	1,450
FMD-BTAK 100x120	20	9	5	120	100	1,531
FMD-BTAK 110x130	20	9	5	130	110	1,812
FMD-BTAK 115x130	20	9	5	130	115	1,839
FMD-BTAK 120x140	20	9	5	140	120	2,125
FMD-BTAK 125x145	20	9	5	145	125	2,306
FMD-BTAK 125x150	20	9	5	150	125	2,413
FMD-BTAK 130x150	20	9	5	150	130	2,459
FMD-BTAK 140x160	20	9	5	160	140	2,801
FMD-BTAK 150x170	20	9	5	170	150	3,221
FMD-BTAK 150x180	20	9	5	180	150	3,247
FMD-BTAK 160x180	20	9	5	180	160	3,619
FMD-BTAK 160x190	25	11	5	190	160	4,857
FMD-BTAK 170x200	25	11	5	200	170	5,403

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.



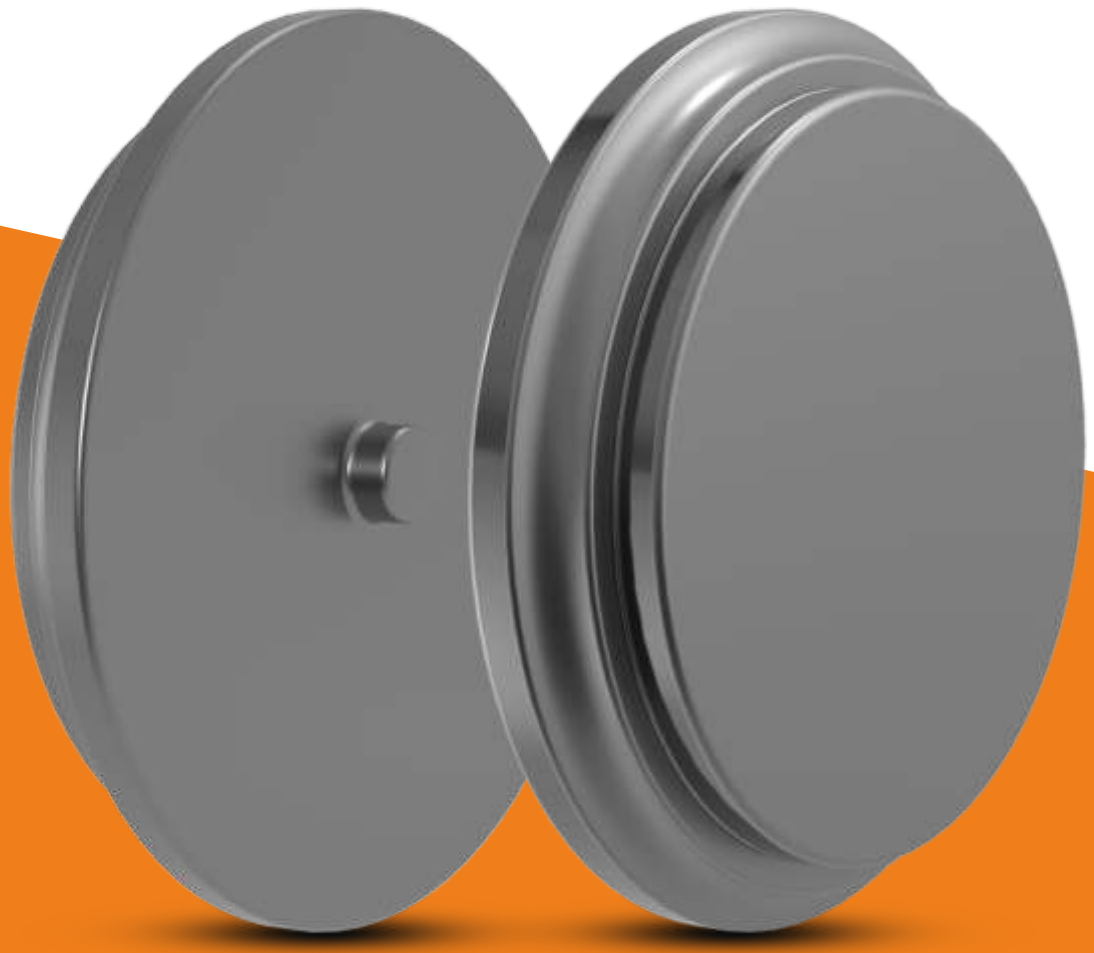


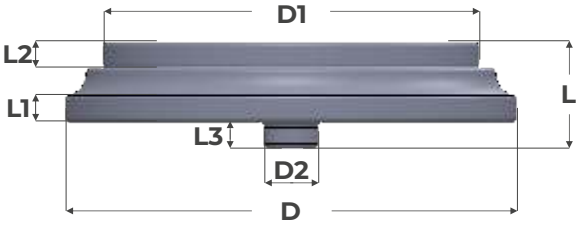
ÜRÜN KODU PRODUCT CODE	**L** mm	**L1** mm	**L2** mm	**D** mm	**D1** mm	**ÜRÜN AĞIRLIĞI (kg)** PRODUCT WEIGHT (kg)
FMD-BTAK 180x210	25	11	5	210	180	5,995
FMD-BTAK 190x230	25	11	5	230	190	7,122
FMD-BTAK 200x230	25	11	5	230	200	7,268
FMD-BTAK 200x245	30	11	5	245	200	9,506
FMD-BTAK 220x250	30	11	8	250	220	10,173
FMD-BTAK 220x270	30	11	8	270	220	11,433
FMD-BTAK 230x280	30	11	8	280	230	12,264
FMD-BTAK 250x300	30	11	8	300	250	14,320
FMD-BTAK 270x320	30	11	8	320	270	16,547

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR FATURALI ARKA KAPAK

HYDRAULIC CYLINDER PROTRUDING BACK COVER





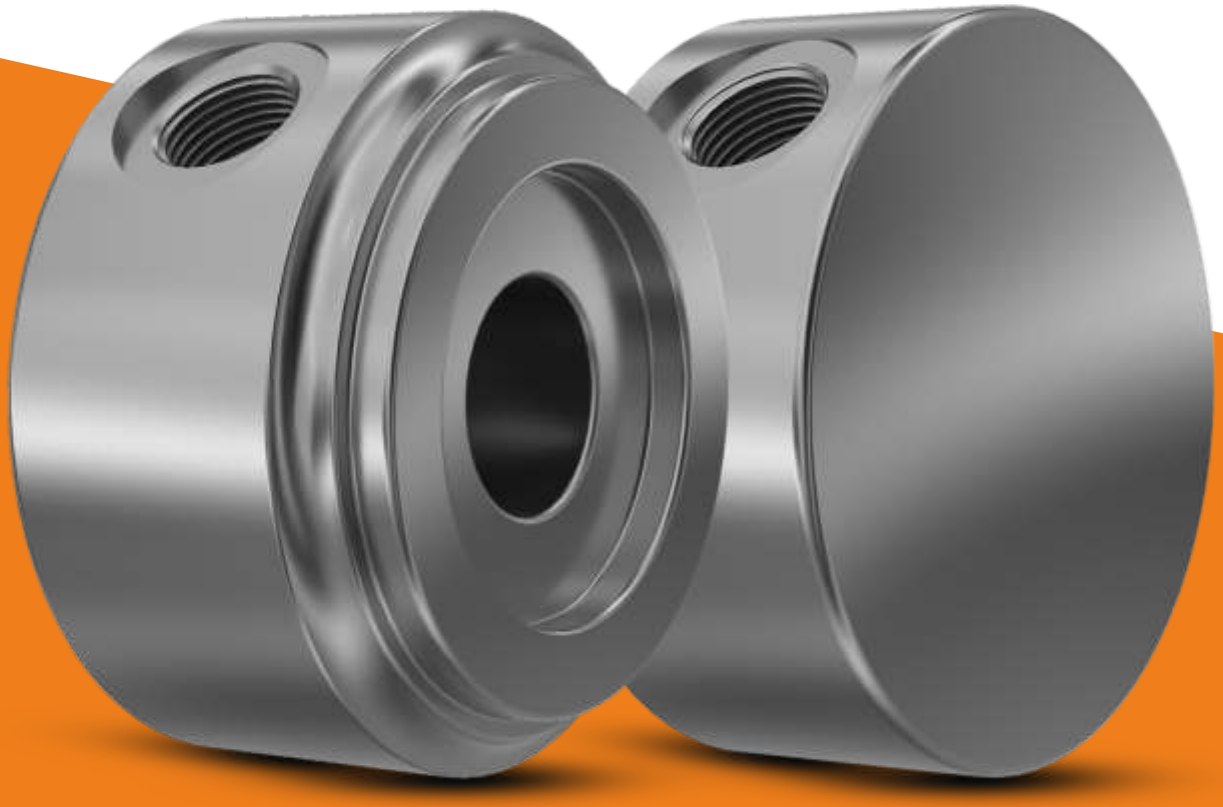


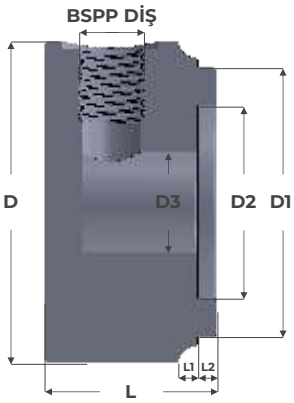
ÜRÜN KODU PRODUCT CODE	**L** mm	**L1** mm	**L2** mm	**L3** mm	**D** mm	**D1** mm	**D2** mm	**ÜRÜN AĞIRLIĞI (kg)** PRODUCT WEIGHT (kg)
FMD-FAK 50x60	20	5	5	5	60	50	10	0,281
FMD-FAK 63x75	20	5	5	5	75	63	10	0,441
FMD-FAK 70x85	20	5	5	5	85	70	10	0,556
FMD-FAK 80x95	20	5	5	5	95	80	10	0,708
FMD-FAK 90x105	25	9	5	5	105	90	10	1,197
FMD-FAK 90x110	25	9	5	5	110	90	10	1,279
FMD-FAK 100x115	25	9	5	5	115	100	10	1,451
FMD-FAK 110x130	25	9	5	5	130	110	10	1,819
FMD-FAK 120x140	25	9	5	5	140	120	10	1,871
FMD-FAK 125x145	25	9	5	5	145	125	10	2,342
FMD-FAK 130x150	25	9	5	5	150	130	10	2,500
FMD-FAK 140x160	25	9	5	5	160	140	10	2,863

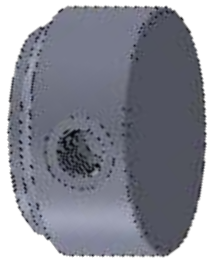
Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR YAĞ GİRİŞLİ ARKA KAPAK

HYDRAULIC CYLINDER OIL INLET BACK COVER



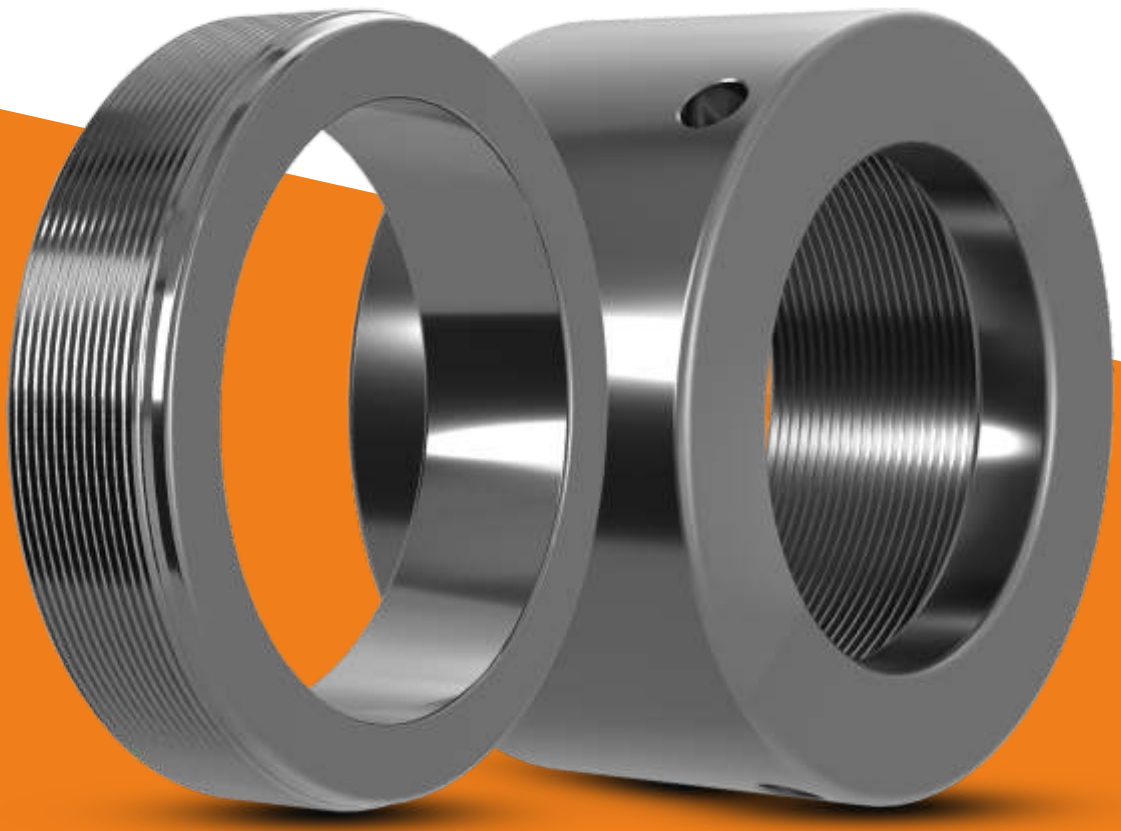




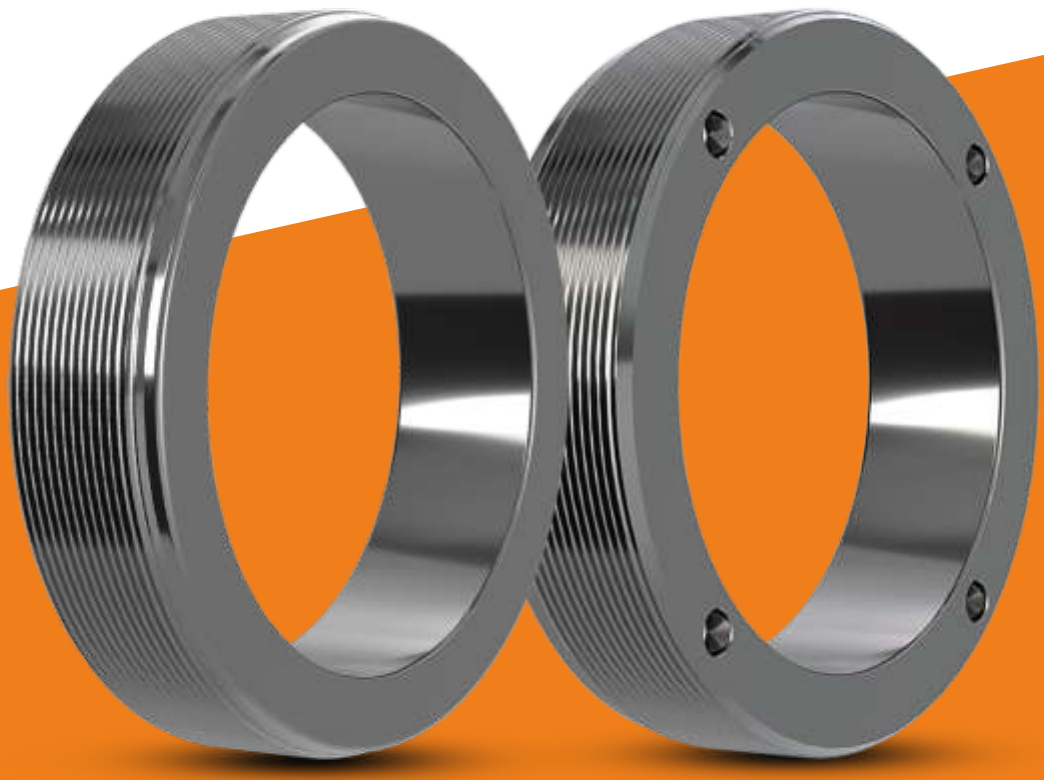
ÜRÜN KODU PRODUCT CODE	D mm	D1 mm	D2 mm	D3 mm	L mm	L1 mm	L2 mm	BSPP DİŞ BSPP Thread	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-YGAK 40x50	50	40	28	21	45	5	5	1/4"	0,505
FMD-YGAK 50x60	60	50	35	21	45	5	5	3/8"	0,769
FMD-YGAK 60x70	70	60	45	26	45	5	5	3/8"	1,040
FMD-YGAK 63x75	75	63	45	26	45	5	5	3/8"	1,214
FMD-YGAK 65x80	80	65	50	26	45	5	5	3/8"	1,383
FMD-YGAK 70x85	85	70	50	26	45	5	5	3/8"	1,610
FMD-YGAK 75x90	90	75	55	30	45	5	5	3/8"	1,779
FMD-YGAK 80x95	95	80	60	30	45	5	5	3/8"	2,010
FMD-YGAK 80x100	100	80	60	30	45	5	5	3/8"	2,234
FMD-YGAK 85x100	100	85	65	30	45	5	5	3/8"	2,271
FMD-YGAK 90x105	105	90	70	30	45	5	5	3/8"	2,504
FMD-YGAK 90x110	110	90	70	30	45	5	5	3/8"	2,764
FMD-YGAK 100x115	115	100	75	30	45	5	5	1/2"	2,996
FMD-YGAK 100x120	120	100	75	30	45	5	5	1/2"	3,247
FMD-YGAK 110x130	130	110	85	30	45	5	5	1/2"	3,925
FMD-YGAK 115x130	130	115	90	40	45	5	5	1/2"	4,103
FMD-YGAK 120x140	140	120	95	40	45	5	5	1/2"	4,349
FMD-YGAK 125x145	145	125	100	40	45	5	5	1/2"	4,922
FMD-YGAK 125x150	150	125	100	40	45	5	5	1/2"	5,021
FMD-YGAK 130x150	150	130	105	40	45	5	5	1/2"	5,062
FMD-YGAK 140x160	160	140	115	40	45	5	5	1/2"	5,767
FMD-YGAK 150x170	170	150	115	40	45	5	5	1/2"	6,744
FMD-YGAK 150x180	180	150	115	40	45	5	5	1/2"	7,431
FMD-YGAK 160x180	180	160	135	50	45	5	5	1/2"	7,488
FMD-YGAK 160x190	190	160	135	50	45	5	5	1/2"	8,320
FMD-YGAK 180x200	200	180	155	50	45	5	5	1/2"	9,242
FMD-YGAK 180x210	210	180	155	50	45	5	5	1/2"	10,170
FMD-YGAK 200x220	220	200	175	50	45	5	5	1/2"	11,301
FMD-YGAK 200x230	230	200	175	50	45	5	5	1/2"	12,390
FMD-YGAK 220x270	270	220	175	50	45	5	5	1/2"	17,048
FMD-YGAK 250x300	300	250	205	50	45	5	5	1/2"	21,624

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR SOMUN GRUBU
HYDRAULIC CYLINDER NUT GROUP



HİDROLİK SİLİNDİR İÇTEN SOMUN
HYDRAULIC CYLINDER INTERNAL NUT

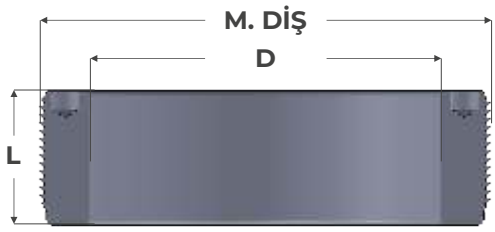


FMD
HİDROLİK | HYDRAULIC

fmdhydraulic.com

Hidrolik Silindir İçten Somun
Hydraulic Cylinder İnternal Nut

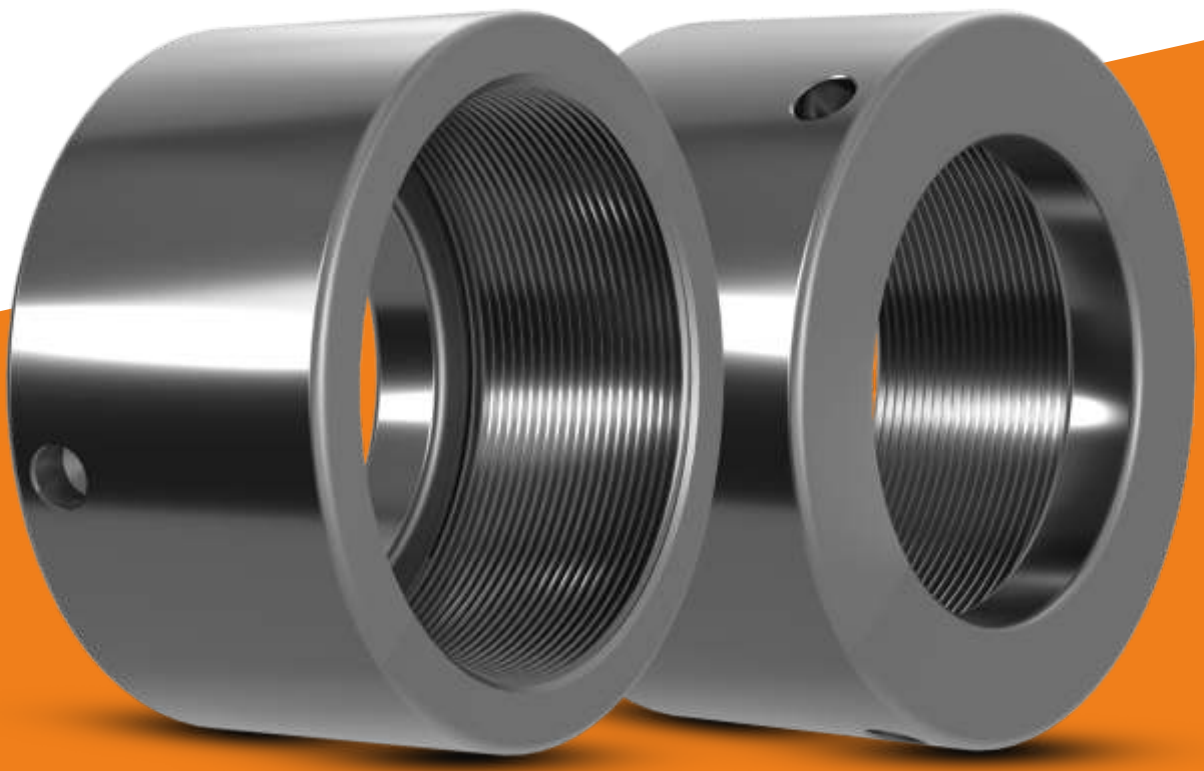




ÜRÜN KODU PRODUCT CODE	METRİK DİŞ METRIC THREAD	L mm	D mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-ÇKİS 140	M148x2,5	50	126	1,659
FMD-ÇKİS 140/1	M148x2,5	50	131	1,242
FMD-ÇKİS 150	M158x3	50	131	2,165
FMD-ÇKİS 150/1	M158x3	50	136	1,756
FMD-ÇKİS 160	M168x3	50	131	3,117
FMD-ÇKİS 170	M178x3	50	141	3,357
FMD-ÇKİS 180	M188x3	50	151	3,577
FMD-ÇKİS 190	M198x3	50	161	3,770
FMD-ÇKİS 200	M208x3	50	161	4,989
FMD-ÇKİS 220	M228x3	50	181	5,444
FMD-ÇKİS 230	M238x3	50	191	5,821
FMD-ÇKİS 250	M258x3	50	201	7,667
FMD-ÇKİS 260	M268x3	50	211	7,955
FMD-ÇKİS 270	M278x3	50	226	7,602

HİDROLİK SİLİNDİR DIŞTAN SOMUN

HYDRAULIC CYLINDER EXTERNAL NUT

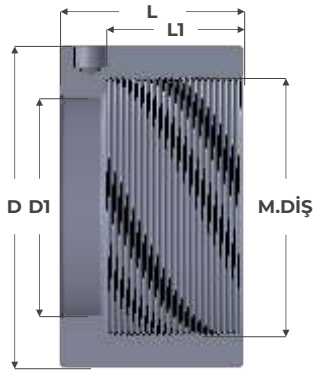


FMD
HİDROLİK | HYDRAULIC

fmdhydraulic.com

Hidrolik Silindir Dıştan Somun
Hydraulic Cylinder External Nut





ÜRÜN KODU PRODUCT CODE	METRİK DİŞ METRIC THREAD	L mm	L1 mm	D mm	D1 mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-RKDS 50x60	M59x2	50	40	79	46	0,949
FMD-RKDS 50x65	M64x2	50	40	84	46	1,053
FMD-RKDS 60x70	M69x2	60	45	89	56	1,340
FMD-RKDS 63x75	M74x2	60	45	94	61	1,420
FMD-RKDS 70x85	M84x2	60	45	105	71	1,669
FMD-RKDS 80x95	M94x2	60	45	115	76	1,919
FMD-RKDS 80x100	M99x2	70	55	120	76	2,256
FMD-RKDS 90x105	M104x2	70	55	125	86	2,420
FMD-RKDS 90x110	M109x2	70	55	130	86	2,596
FMD-RKDS 100x115	M114x2	70	55	135	96	2,637
FMD-RKDS 100x120	M119x2	70	55	140	96	2,818
FMD-RKDS 110x130	M129x2	70	55	150	106	3,055
FMD-RKDS 115x130	M129x2	70	55	150	106	3,055
FMD-RKDS 115x135	M134x2	70	55	150	106	2,622
FMD-RKDS 120x140	M139x2	70	55	160	111	3,387
FMD-RKDS 120x145	M144x2	70	55	160	111	2,912
FMD-RKDS 125x145	M144x2	70	55	165	116	3,773
FMD-RKDS 125x150	M149x2	70	55	170	116	3,740
FMD-RKDS 130x150	M149x2	70	55	170	126	3,495
FMD-RKDS 130x160	M159x2	70	55	175	126	3,650
FMD-RKDS 140x160	M159x2	70	55	180	131	3,795
FMD-RKDS 140x165	M164x2	70	55	180	131	3,338
FMD-RKDS 150X170	M169X2	70	55	190	131	4,349
FMD-RKDS 150X180	M179X2	70	55	200	131	4,903
FMD-RKDS 160X180	M179X2	70	55	200	151	4,331
FMD-RKDS 160X190	M189X2	70	55	215	151	5,749
FMD-RKDS 170X200	M199X2	70	55	230	161	7,140
FMD-RKDS 180X210	M209X2	70	55	230	161	5,688

HİDROLİK SİLİNDİR MAFSALLAR
HYDRAULIC CYLINDER ROD ENDS

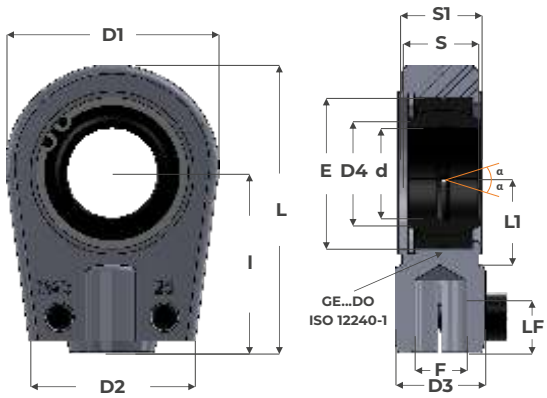


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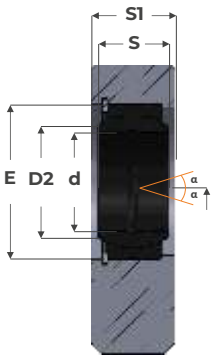
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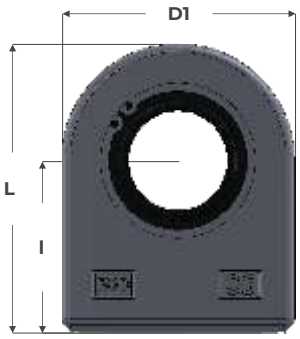
Hidrolik Silindir Vidalı Mafsallar
Hydraulic Cylinder Threaded Rod Ends





ÜRÜN KODU PRODUCT CODE	d mm	l mm	S mm	LF mm	D1 mm	D2 mm	D3 mm	D4 mm	E mm	S1 mm	S2 mm	L mm	L1 mm	METRİK DİŞ (F) METRIC THREAD	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-PR20U	20	50	16	17	56	46	25	24,1	35	19	17	80	25	M16x1,5	0,419
FMD-PR25U	25	50	20	17	56	46	25	29,3	42	23	21	80	28	M16x1,5	0,456
FMD-PR30U	30	60	22	23	54	50	32	34,2	47	28	26	94	30	M22x1,5	0,745
FMD-PR35U	35	70	25	29	78	66	40	39,7	55	30	28	112	38	M28x1,5	1,206
FMD-PR40U	40	85	28	36	94	76	45	45,0	62	35	33	135	45	M35x1,5	2,039
FMD-PR50U	50	105	35	46	116	90	61	56,0	75	40	37	168	55	M45x1,5	3,916
FMD-PR60U	60	130	44	59	130	120	75	66,8	90	50	46	200	65	M58x1,5	6,176
FMD-PR70U	70	150	49	66	157	130	86	77,8	105	55	51	232	75	M65x1,5	9,560





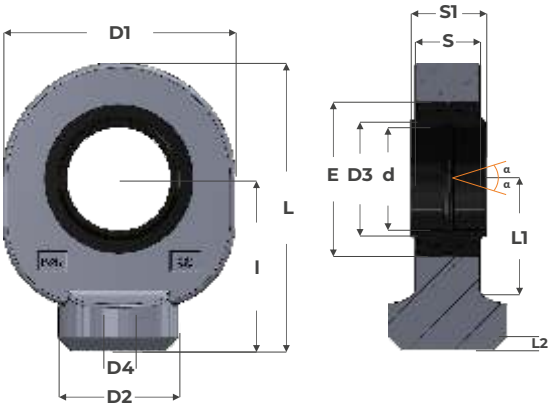


ÜRÜN KODU PRODUCT CODE	**d** mm	**l** mm	**S** mm	**D1** mm	**D2** mm	**E** mm	**S1** mm	**L** mm	**ÜRÜN AĞIRLIĞI (kg)** PRODUCT WEIGHT (kg)
FMD-S20N	20	38	16	50	24,1	35	19	63	0,324
FMD-S25N	25	45	20	55	29,3	42	23	72,5	0,479
FMD-S30N	30	51	22	65	34,2	47	28	83,5	0,828
FMD-S35N	35	61	25	83	39,7	55	30	102,5	1,449
FMD-S40N	40	69	28	100	45	62	35	119	2,419
FMD-S45N	45	77	32	110	50,7	75	40	132	3,245
FMD-S50N	50	88	35	123	56	90	50	149,5	4,286
FMD-S60N	60	100	44	140	66,8	105	55	170	6,606
FMD-S70N	70	115	49	164	77,8	105	55	197	10,770

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

Hidrolik Silindir Yuvarlak Mafsallar
Hydraulic Cylinder Circular Rod Ends





ÜRÜN KODU PRODUCT CODE	d mm	l mm	S mm	D1 mm	D2 mm	D3 mm	D4 mm	E mm	S1 mm	L mm	L1 mm	L2 mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-S20C	20	38	16	53	27,5	24,1	4	35	13	64,5	27,5	3	0,258
FMD-S25C	25	45	20	64	33,5	29,3	4	42	17	77	33	4	0,462
FMD-S30C	30	51	22	73	40	34,2	4	47	19	87,5	37,5	4	0,676
FMD-S35C	35	61	25	82	47	39,7	4	55	21	102	43	4	0,970
FMD-S40C	40	69	28	92	52	45,0	4	62	23	115	48	5	1,433
FMD-S45C	45	77	32	102	58	50,7	4	68	27	128	52	5	2,145
FMD-S50C	50	88	35	112	62	55,0	6	75	30	144	59	6	2,746
FMD-S60C	60	100	44	137	70	66,8	5	90	38	167,5	72,5	8	4,530
FMD-S70C	70	115	49	161	80	77,8	6	105	42	195	86	10	6,608

Bu ürünlerde 1040-CK45 çelik kullanılmıştır.
This products are manufactured using 1040/CK45 grade carbon steel.

HİDROLİK SİLİNDİR HAMUT (BEŞİK)

HYDRAULIC CYLINDER TRUNNION RING

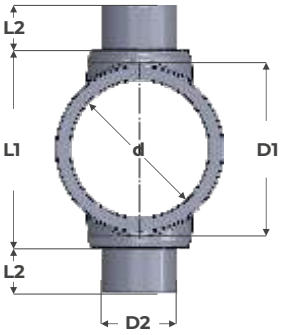


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Hidrolik Silindir Hamut (Beşik)
Hydraulic Cylinder Trunnion Ring







ÜRÜN KODU PRODUCT CODE	d mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	ÜRÜN AĞIRLIĞI (kg) PRODUCT WEIGHT (kg)
FMD-BŞK 076	76	97	42	111	25	70	2,468
FMD-BŞK 086	86	108	42	123	25	70	2,750
FMD-BŞK 096	96	118	42	131	25	70	2,889
FMD-BŞK 106	106	126	42	141	25	70	2,896
FMD-BŞK 116	116	136	42	152	25	70	3,083
FMD-BŞK 121	121	142	42	156	25	70	3,245
FMD-BŞK 131	131	151	42	166	25	70	3,312
FMD-BŞK 141	141	165	42	178	25	70	3,995
FMD-BŞK 151	151	175	42	187	25	70	4,178


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