



Kanca

Kanciođlu Otomotiv San. ve Tic. A.Ş.

UYARI

- 1- Bu ürün katalođunda kullanılmıř olan bütün imalatçı isimleri , ticari markalar , semboller yalnızca referans amacıyla kullanılmıřtır. Ürün fotođraflarının , bu imalatçıların ürünü olduđu anlamına gelmez.*
- 2- Firmamız tarafından pazara sunulan ürünler orjinal ürün olmayıp , orjinali ile aynı çalışma özelliklerine sahip muadil ürünlerdir.*
- 3- Şirketimiz , baskı ve yazım hataları gibi oluşabilecek yanlışlıklardan sorumlu tutulamaz.*

WARNING

- 1 - All the manufacturer names , commercial brands seymbols are used only for reference. It doesn't mean that of those pictures are product of those manufacturers.*
- 2 - The products which are presented in the market have the same technical specifications and functionality as of original products.*
- 3 - Our company is not responsible for any print and spelling mistakes.*



Kancioğlu Otomotiv San. ve Tic. A.Ş.



HAKKIMIZDA

KANCA / KANCIOĞLU OTOM. A.Ş. 1960 yılında İlyas KANCIOĞLU tarafından İstanbul'da kurulmuştur.

Kuruluşunun ana amacı kauçuk – metal birleşimi olan otomotiv ve vibrasyon ürünleri imal etmektir. 300 m² lik bir atölyede imalata başlayan firmamız daha sonraki yıllarda ticari araçların (Kamyon , Tır , Otobüs vb..) şaft askı takımlarının üretimine başlamıştır. Bu üretim 2000 li yıllarda 4000 m² büyüklüğündeki yeni fabrikamızda , şaft askı takımı çeşitlerinde , dünyanın sayılı firmaları arasına girmiştir.

Diyafram imalatı ile başlayan fren parçaları imalatımıza Fren Körüğü üretimini de katarak bu iş kolunda da kendimizi ve kalitemizi kanıtlamış bulunuyoruz.

Bugün 52 senelik bilgi ve tecrübemiz , 12.000 m² üretim alanımız , test laboratuvarımız ve tecrübeli teknik ekibimizle üretimimize devam ediyoruz.

Otomotiv sektöründe ileri gelen ülkelerin Aftermarket ve OEM firmaları ile uzun yıllardır çalışıyor olup bu işbirliklerini kalitemiz ile doğru orantılı şekilde arttırmayı hedefliyoruz.

Ürünlerimiz KANCA markalı kutular ile TÜRK MALI ibaresi ile satılmaktadır.

ABOUT US

KANCA / KANCIOĞLU OTOM. A.Ş. was founded by ILYAS KANCIOĞLU in Istanbul in 1960. The purpose of the foundation was to produce rubber-metal combinations for automotive and vibration products.

Our corporation has started manufacturing in 300m² workshop and produce centre bearings for commercial vehicles. Since 2000's, our company became one of the leading manufacturer in centre bearing market in its 4000 m²factory.

Today we continue manufacturing in 12.000 m² facility having test laboratory together with highly experienced technical team .

We have started manufacturing diaphragms for brake chambers then proved our quality by adding brake chamber productions.

We intend to raise our cooperations with raising our quality , 52 years experience and working with OEM and aftermarket corporations which take place in the leading countries of automotive market.

Our goods are sold with boxes labeled 'KANCA' and MADE IN TURKEY statement to all over the World.

GARANTİ KAPSAMI

KANCA, eğer, uygun servis koşullarında montajı yapılmış ve kullanılmış ise, üretilmiş olan tüm fren körüklerini, üzerinde yazmakta olan üretim tarihinden itibaren, malzeme ve işçilik hatalarına karşı üç yıl garanti etmektedir.

GARANTİNİN LİMİTİ

1. Hatalı kullanım, hatalı montaj, uygunsuz servis hizmeti, kaza, yangın, yanlış bakım, körüğe müdahale veya kötü kullanım durumları bu garanti kapsamının dışındadır. Bunların dışında, fren körüğünün kapalı olması gereken tapaları çıkarılmış veya takıldığında üzerinde takılı olması gereken tapalar yerine takılı bir şekilde muhafaza edilmemişse ve bakımları iyi yapılmamışsa, fren körüğü bu garanti kapsamının dışındadır.
2. Fren körüğü, garanti süresi içinde olsa bile, eğer hava girişleri veya kelepçe yönünün değiştirilmesi neticesinde kelepçede hava kaçağı oluşmuşsa, fabrikadan kontrollü çıkmış olduğu için, garanti kapsamından çıkar.

HİZMETİN SINIRLANDIRILMASI

1. KANCA ' NİN BU GARANTİ KAPSAMINDAKİ SORUMLULUĞU, HATALI ÜRÜN VEYA PARÇANIN DEĞİŞTİRİLMESİ VEYA TAMİRİ İLE SINIRLIDIR(KANCA ' NİN İNİSİYATİFİNDE).
2. KANCA, BU SINIRLI GARANTİ KAPSAMINDA, İŞÇİLİK, İŞ KAYBI, KAYIP ZAMAN, KAYIP KAZANÇ, KULLANIM ZARARI VEYA BUNLARA BAĞLI KAYIPLAR VE TANIMLI/TANIMSIZ DİĞER ZARARLARDAN SORUMLU DEĞİLDİR. BU GARANTİ KAPSAMINDAKİ SORUMLULUK TAMİR VE DEĞİŞTİRME SINIRLIDIR. TAMİR EDİLMESİNE VEYA DEĞİŞTİRİLMESİNE KARAR VERİLEN FREN KÖRÜĞÜNÜN GARANTİ SÜRESİ, KALAN SÜRESİ KADARDIR.

ÜRÜNÜN İADESİ

Hatalı olduğu ifade edilen fren körüğü, kargo bedeli firmamız tarafından ödenmek kaydıyla, hatanın tespit edilmesinden itibaren 30 gün içerisinde yetkili satıcıya ulaştırılmalıdır. Fren körüğüne yapılan herhangi bir müdahale, fren körüğünün garanti kapsamı dışı olmasına neden olur. Bunun sonucunda tüm masraflar göndericiden tahsil edilir.

YAPILAN GENEL HATALAR VE ÜRÜNÜN GARANTİSİNİ GEÇERSİZ KILAN DURUMLAR

- Frenleme zayıf ; sebebi, fren ayarı düşüktür(strok kısa gelmektedir), balatalar aşınmıştır, fren hava odalarında kaçak vardır, fren hava basıncı düşüktür, hava hatlarında tıkanıklık yada daralma vardır.
- Frenleme bütün tekerlerde eşit değil ; sebebi, fren körüklerindeki imdat yayları eşit kuvvette değil yada zayıftır.
- Hava giriş rekorlarının yüksek torkla sıkılması ; neticesinde alüminyum gövdede çatlama meydana gelir ve hava kaçağına sebebiyet verir.
- Servis ve imdat hava girişlerinin karıştırılması ; neticesinde fren körüğü işlev görmez ve hava kaçırıldığı izlenimini verir, körüğün hatalı çalışmasına neden olur.
- Kurma civatasının yüksek torkla kumanda edilmesi ; neticesinde imdat yayının güvenli şekilde kurulması riske girebilir ve hayati durum açığa çıkabilir.
- Kompresör ve hava tankının temizlenmemesi ; sonucunda paslı ve kirli hava suyla birlikte körüğe dolabilir ve normalden daha hızlı korozyona sebep olabilir. Kompresörden gelen hava temiz olmalıdır.
- Ürünün dış yüzeyinde darbe sonucu kalıcı hasar oluşması.
- Ürünün sökölüp o-ring, keçe ve pistonlarına uyumlu olmayan yağ kullanılması.
- Araç için uygun olmayan fren körüğünün seçilmesi.
- Fren körüğünün nefeslik borusunun çıkartılarak çalıştırılması.
- Fren körüğünün araca bağlantı civatalarının iyi sıkılmaması ve bağlantı plakasının yamuk veya bozuk olması.
- Hava girişlerindeki dişlerin uygunsuz sıkma neticesinde bozulması ve sıyrılması
- Fren körüğünün servis tarafının bağlantı açıları ayarlanırken diyaframın düzgün yerleştirilememesi.
- Fren körüğü bağlantı açıları değiştirildikten sonra tork kontrollü sıkıştırılmaması.
- KANCA marka fren körüklerinde KANCA tamir takımı ve diyaframların kullanılmaması.

WARRANTY

KANCA A.S. warrants all the brake chambers, when properly installed under normal service and use, are free from defects in materials and workmanship for a three years of time period computed from manufacture stamped on the product.

LIMITATIONS OF WARRANTY

1 . This warranty does not apply to parts and assemblies which have been subjected to misuse, improper installation, abnormal service, accident, fire, improper repair, tampering or abuse. Without limiting the foregoing, this warranty does not apply to a spring brake which has been used while its end cap or breather cap has been removed or have not been kept in place and in good repair when so equipped upon purchase.

2 . This warranty does not apply to parts and assemblies which have air leakage from the clamps subjected to change of clamp and inlet positions by un-authorized personnel.

LIMITATION OF REMEDY

1 . The responsibility of KANCA under this warranty is limited to the repair or replacement (at KANCA's option) of the defective product.

2 . In no event and under no circumstances shall KANCA be responsible under this limited warranty for any other charge whatsoever, including but not limited to charges or claims for labor, lost business, lost time, lost profits, loss of use or any kind of consequential damages, however denominated or described. The remedy under this warranty is limited to repair or replacement. The warranty period of the product confirmed to repair or replace under this warranty is limited to the rest of warranted time period.

RETURN OF PRODUCT

The brake chamber said to be defective should be delivered to the wholesaler or the retailer in 30 days from the date the defected item is detected. Attempting the defected items in any way lead them out of the warranty togetherwith charging all the expenses arised to the buyer.

MISTAKES MADE IN PRACTICE WHICH INVALIDATE THE WARRANTY

Braking force is weak ; caused by wrong brake adjustment(short stroke), worn brake pads, air leakage, lower air pressure, blockage or shrink in air pipe lines.

Imbalanced braking on the wheels ; caused by that the springs of the chambers do not match in terms of performance.

Cracks on the aluminium body releasing air leakage ; caused by fastening the port adaptors with high torque.

- The brake chamber doesn't operate as if there were air leakage ; caused by confusing which port belongs to service or to spring side.

If the release bolt is attempted to drive with high torque, the extreme force of the spring which is suddenly released due to uncontrolled removal may cause serious bodily injury.

Rapid corrosion inside the chamber ; caused by the lack of maintenance of the air compressor and air tanks releases rusty and oil mixed dirty air enter inside the chamber and the caliper , eventually corrodes fast.

- Deformations on the surface of the product caused by impact.

- Using incompatible grease for seals and pistons after dismantling of the product.

- Improper choice of the brake chambers for the vehicle.

- Running the brake chamber without breathing pipe if the chamber is not internal breathing type.

- Not enough tightening of the mounting bolts and deformed mounting bracket.

- Worn threads of air ports because of improper fastening.

- Improper placement of the diaphragm while adjusting the clamp and air port position.

- Not fastening the clamp by a wrench torque controlled while adjustment of the clamp position.

- Not using KANCA repair kits and diaphragms for KANCA brake chambers.

A – Servis Fren Körükleri (Service Brake Chambers)

--- **Saplamadan bağlama SFK** 2 - 9
(With Mounting Studs S-Cam)



--- **Disk SFK** 10 - 17
(Disc Service Brake Chambers)



--- **Borudan bağlama SFK** 18 - 19
(Wedge Type)

**B – Diyafram / Diyafram DD Fren Körükleri (DD Brake Chambers)**

--- **Saplamadan bağlama DD** 20 - 24
(DD Spring Brake Actuator S- Cam)



--- **Disk DD** 25 - 29
(Disc Spring Brake Actuator DD)

**C – Diyafram / Piston DP Fren Körükleri (DP Brake Chamber)**

--- **Saplamadan bağlama DP** 30 - 47
(DP Spring Brake Actuator S- Cam)



--- **Disk DP** 48 - 59
(Disc Spring Brake Actuator DP)



--- **Borudan bağlama DP** 60 - 65
(Wedge Type DP)



ÖZEL KÖRÜKLER / SPECIAL PRODUCTS 66



CROSS LIST 67 - 87

DIAPHRAGMS / DİYAFLARLAR



Fig. 1



Fig. 2



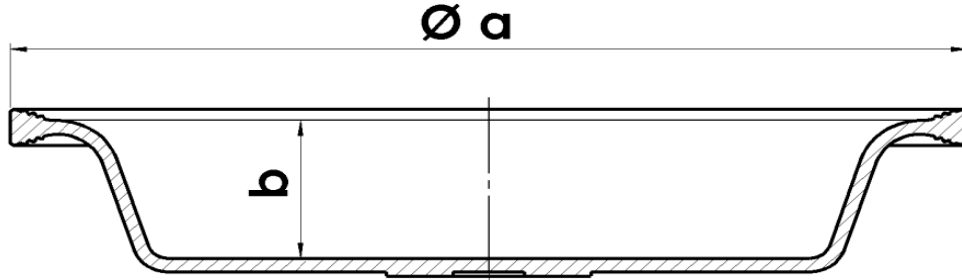
Fig. 3



Fig. 4



Fig. 5

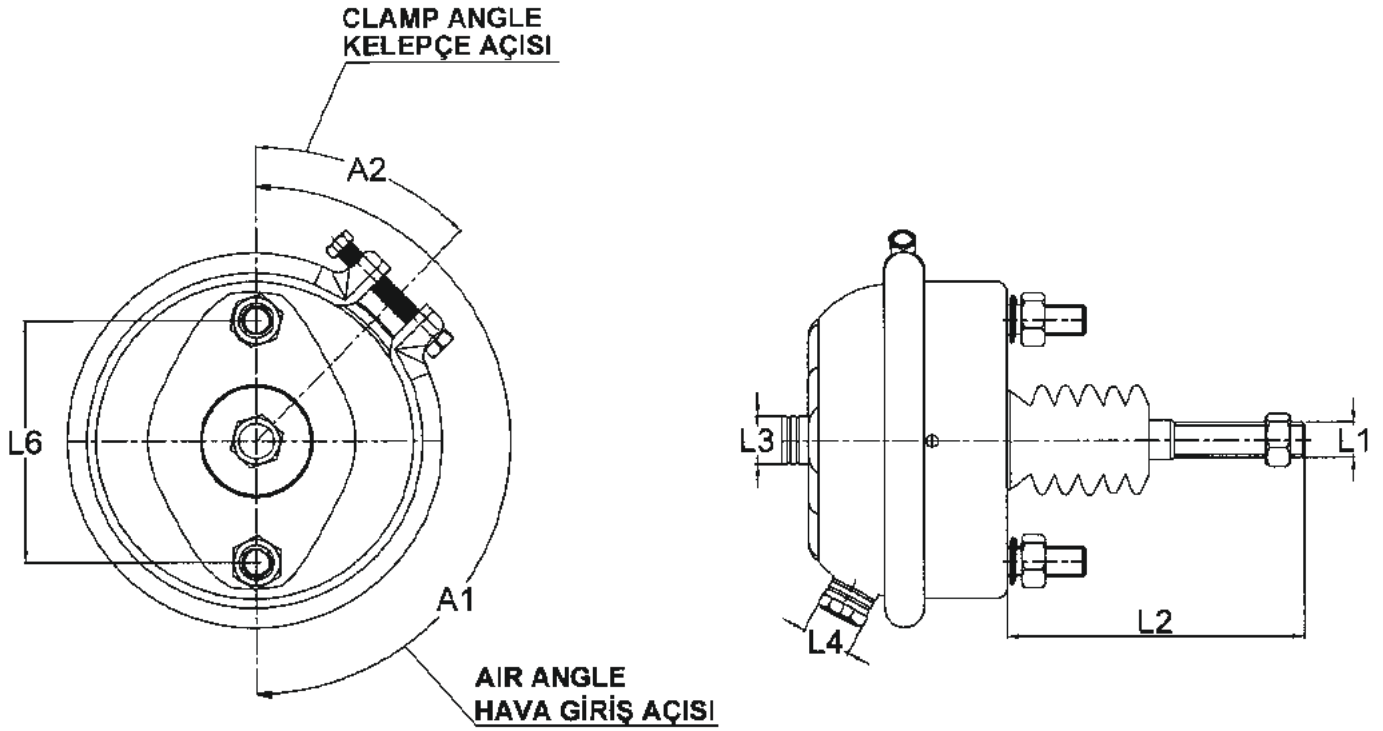


ÜRÜN KODU / PRODUCT CODE	ÜRÜN İSMİ / PRODUCT NAME	ŞEKİL / FIGURE	ÇAP / DIAMETER Ø a	DERİNLİK / DEPTH b
AA.10611	T.9 DİYAFLAR	Fig.1	129	25
AA.10610	T.12 DİYAFLAR	Fig.1	140	28
AA.10614	T.14 DİYAFLAR	Fig.1	145	30
AA.10608	T.16 DİYAFLAR	Fig.1	159	32
AA.10606	T.20 DİYAFLAR	Fig.1	168	32
AA.10604	T.24 DİYAFLAR	Fig.1	179	32
AA.10613	T.27 DİYAFLAR	Fig.1	201	34
AA.10603	T.30 DİYAFLAR	Fig.1	201	32
AA.10619	T.30 M DİYAFLAR	Fig.1	201	36
AA.10601	T.36 DİYAFLAR	Fig.1	224	42
AA.10617	T.9 LS DERİN DİYAFLAR	Fig.2	129	32
AA.10616	T.12 LS DERİN DİYAFLAR	Fig.2	140	34
AA.10612	T.14 LS DERİN DİYAFLAR	Fig.2	145	36
AA.10609	T.16 LS DERİN DİYAFLAR	Fig.2	159	44
AA.10607	T.20 LS DERİN DİYAFLAR	Fig.2	168	44
AA.10605	T.24 LS DERİN DİYAFLAR	Fig.2	179	44
AA.10615	T.27 LS DERİN DİYAFLAR	Fig.2	201	44
AA.10602	T.30 LS DERİN DİYAFLAR	Fig.2	201	44
AA.10620	T.36 LS DERİN DİYAFLAR	Fig.2	224	44
AA.10623	T.24 MEMELİ DİYAFLAR	Fig.3	179	32
AA.10622	T.30 MEMELİ DİYAFLAR	Fig.3	201	32
AA.10621	T.30 LS DERİN MEMELİ DİYAFLAR	Fig.3	201	47
AA.10624	T.12/16 DİYAFLAR	Fig.4	159	33
AA.10625	T.14/16 DİYAFLAR	Fig.4	159	33
AA.10627	T.16 S TİPİ DİYAFLAR	Fig.5	159	27
AA.10626	T.20 S TİPİ DİYAFLAR	Fig.5	170	25
AA.10628	T.24 S TİPİ DİYAFLAR	Fig.5	179	25

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T12 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

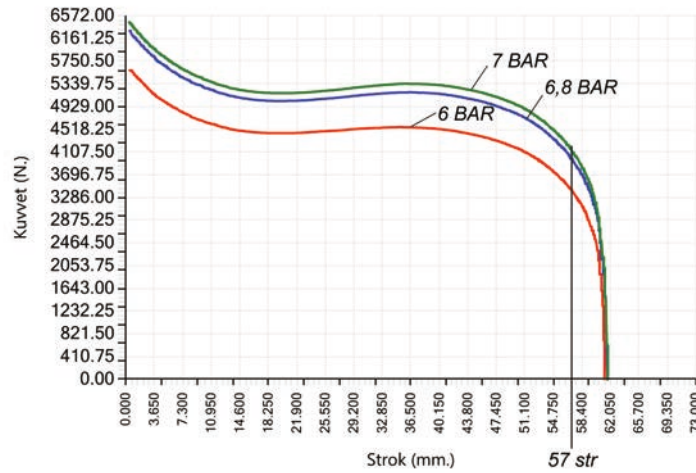
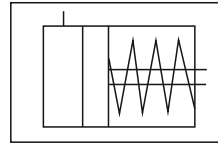
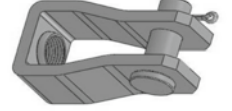


FIG. 1

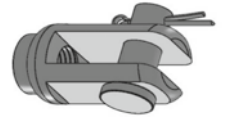
S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T12 / SERVICE



10140.0



10149.1

STROKE 57

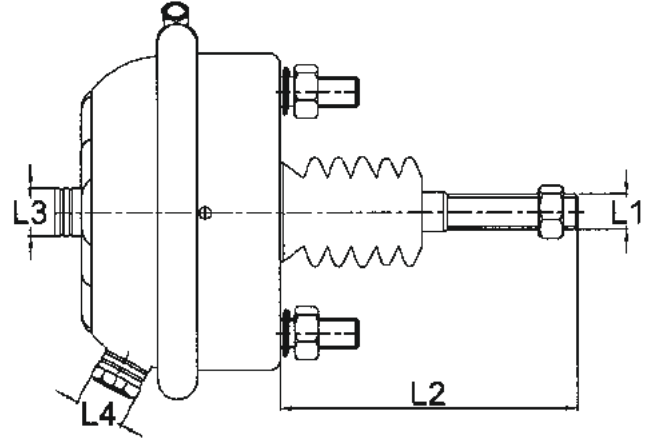
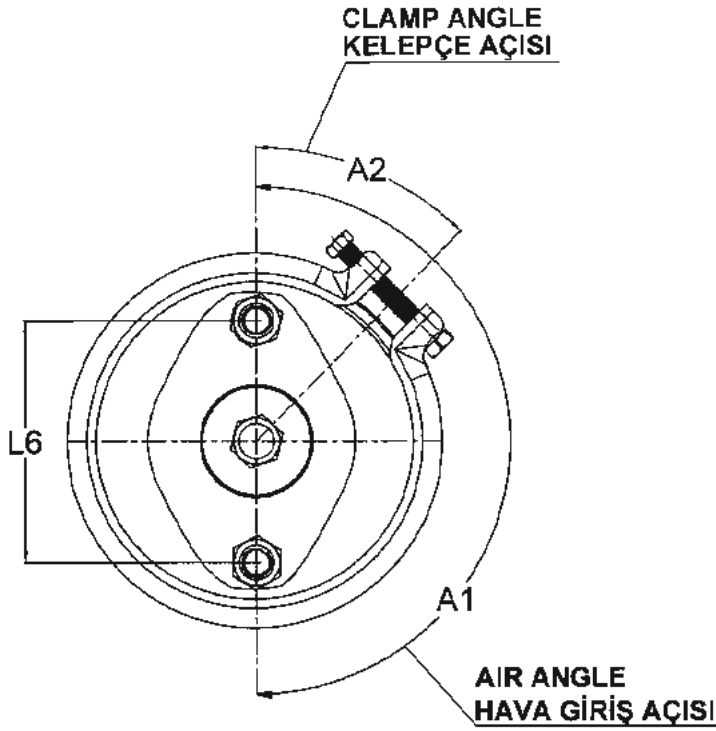
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0012 10001	AA.10097				1	M16X1,5	190	M16X1,5	M16X1,5	-	10140.0
BS0012 10002	AA.10097.1				1	M16X1,5	186	M16X1,5	M16X1,5	-	10140.0
BS0012 10003	AA.10097.8	423 103 9000	BZ3261 BZ3263	81511016211 MAN 81511016203 MAN 81511016216 MAN 81511019203 MAN 082200300 NEOPLAN 82200300 NEOPLAN 1505025 DAF BBU5929 DAF 1932620 SCANIA 5021170046 RENAULT 5430053317 RENAULT 0544412010 BPW 09451581 KRONE 500945158 KRONE 945158 KRONE 200253 GOLDHOFER	1	M16X1,5	186	M16X1,5	M16X1,5	✓	-
BS0012 10004	AA.10097.13	423 103 0090			1	M16X1,5	33	M16X1,5	M16X1,5	-	-
BS0012 10005	AA.10097.12				1	M16X1,5	27	M16X1,5	M16X1,5	-	10149.1

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T14 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

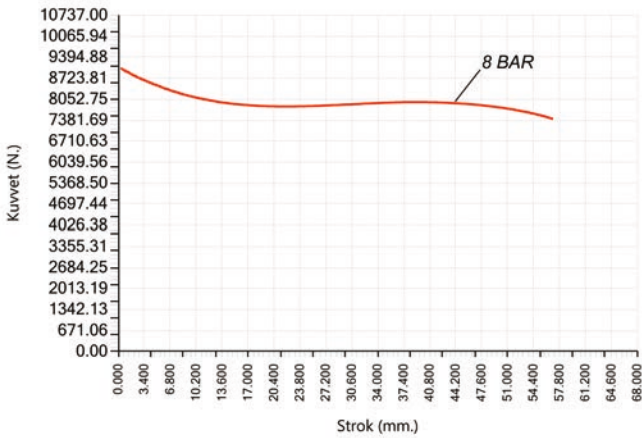
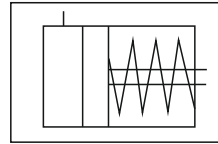


FIG. 1

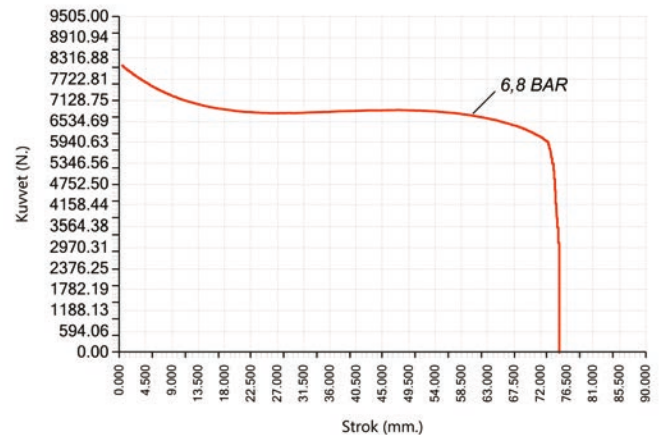


FIG. 2

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

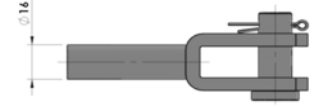
T14 / SERVICE



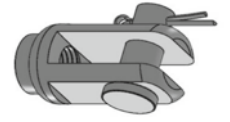
STROKE 57
FIG. 1



STROKE 75
FIG. 2



10146



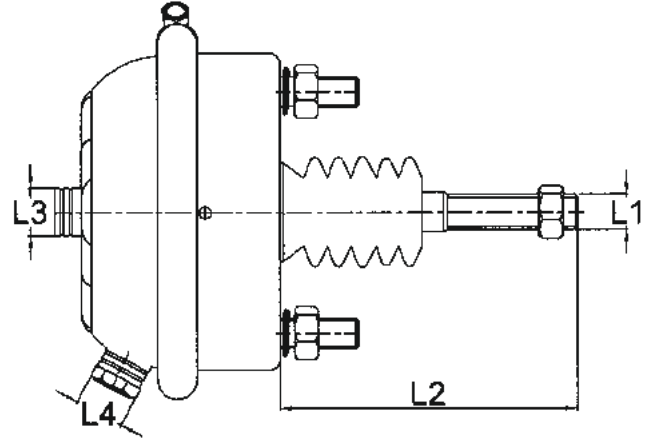
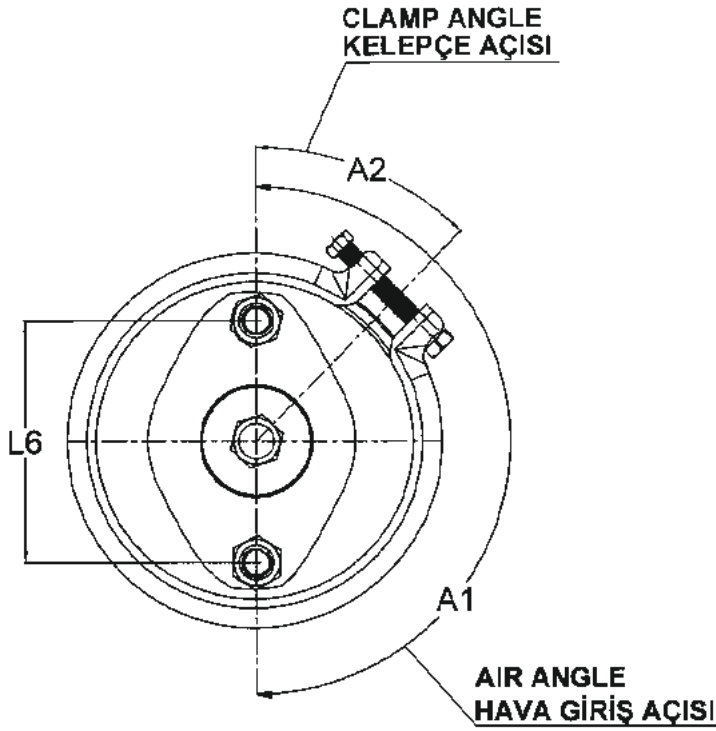
10149

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0014 10006	AA.10074	423 114 0300			1	Q16	37	M16x1,5	M16x1,5	-	10146
BS0014 10007	AA.10074.2	423 114 0110		N1011018628 MAN 011018628 NEOPLAN 112231830 NEOPLAN 11018628 NEOPLAN 1122318300 SOLARIS	2	M16X1,5	52	M16x1,5	M16x1,5	✓	10149

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T16 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

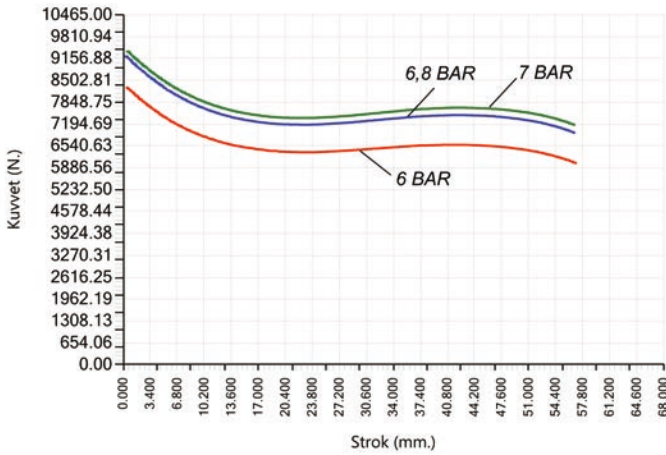
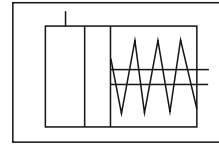


FIG. 1

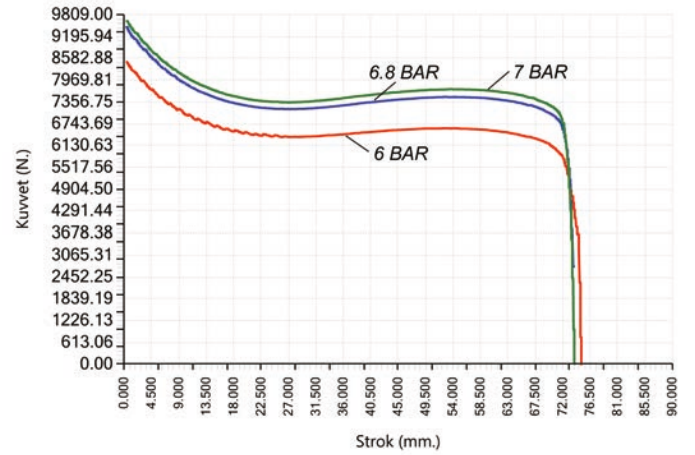


FIG. 2

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

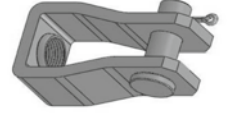
T16 / SERVICE



STROKE 57
FIG. 1



STROKE 75
FIG. 2



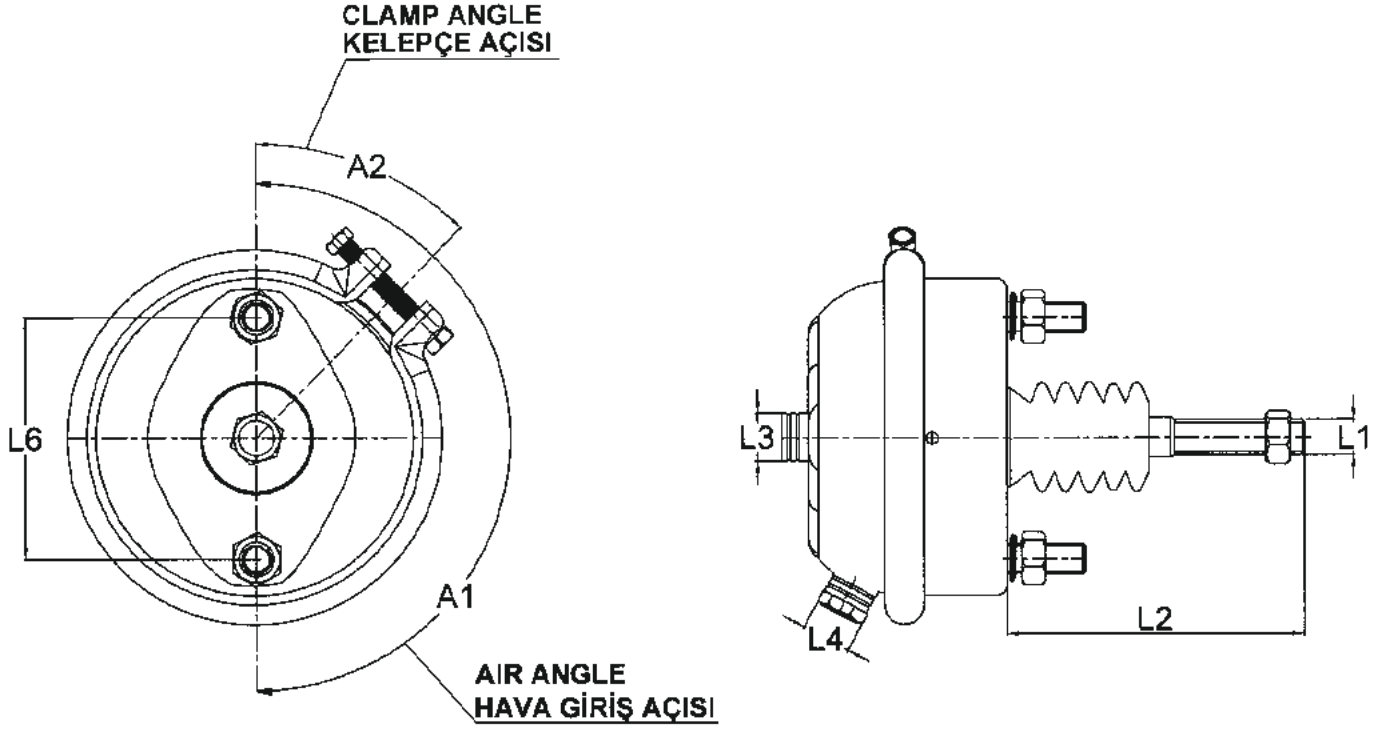
10140.0

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE	
						Thread Vida L1	Length Uzunluk L2	L3	L4			
BS0016 10008	AA.10099				1	M16X1,5	64	M16X1,5	M16X1,5	✓	10140.0	
BS0016 10009	AA.10099.0				1	M16X1,5	210	M16X1,5	M16X1,5	-	10140.0	
BS0016 10010	AA.10099.1				1	M16X1,5	340	M16X1,5	M16X1,5	-	10140.0	
BS0016 10011	AA.10099.2				1	M16X1,5	37	M16X1,5	-	-	-	
BS0016 10012	AA.10093				2	M16X1,5	190	M16X1,5	M16X1,5	-	10140.0	
BS0016 10013	AA.10093.5	423 104 9000	295531 BZ3320 BZ3326 BZ3337 BZ3338 BZ3339 BZ3340 BZ3374 BZ3365 BZ3353 BZ3370 BZ3341	A0034201324 MB 0004209924 MB 0014200224 MB 0014200624 MB 0014200824 MB 0014200924 MB 0014206224 MB 0014206324 MB 0034201324 MB 0054207518 MB 0064202718 MB 0074200018 MB 0074200118 MB 81511016266 MAN 81511019249 MAN 81511016172 MAN 81511016173 MAN 81511016174 MAN 81511016175 MAN 81511016198 MAN 81511016221 MAN 81511016222 MAN 81511016223 MAN 81511016225 MAN 81511016249 MAN 81511016260 MAN 07010016 MAN 834481 DAF	745398 DAF 0834481 DAF WA4231049000 VOLVO 1010153 SCANIA 1912301 SCANIA 5021170047 RENAULT 0544413010 BPW 0203272700 BPW 79537 KÖGEL ASX0014018 FREUHAUF AFA9104001 FRUEHAUF 500945157 KRONE 50945157 KRONE 945157 KRONE 9451570 KRONE 605110100 BENALU 07016 MACK 051007 SCHMITZ CARGOBULL	2	M16X1,5	186	M16X1,5	M16X1,5	-	10140.0

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T20 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

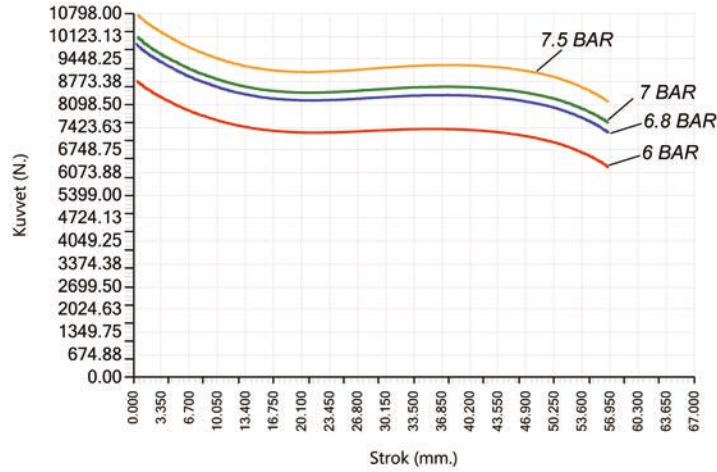
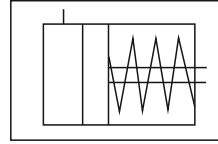
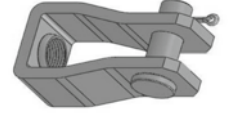


FIG. 1

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T20 / SERVICE



10140.0



10147.1

STROKE 57

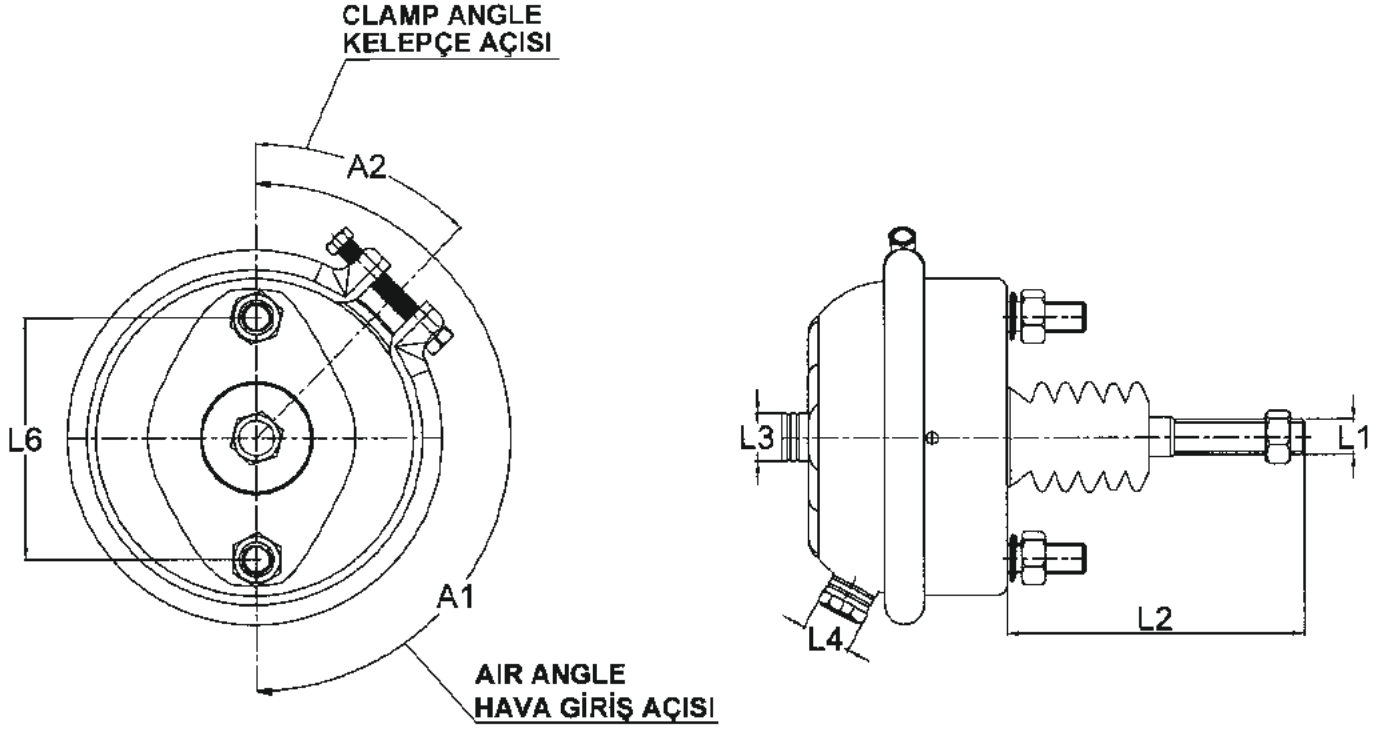
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0020 10014	AA.10094				1	M16X1,5	190	M16X1,5	M16X1,5	✓	10140.0
BS0020 10015	AA.10094.8	423 105 1110	BZ3444 BZ3464 0482022201000	0004207624 MB 0054202018 MB 0074208718 MB 0074209718 MB 0064209424 MB 0074208924 MB A0074208718 MB - EVOBUS 81511016196 MAN 81511019196 MAN MBU5172 DAF 1505026 DAF 5021170048 RENAULT	1	M16X1,5	20	M16X1,5	-	✓	10147.1
BS0020 10016	AA.10094.11	423 105 4090	BZ3480	A0024200824 MB EVOBUS A0024200624 MB 0024200824 MB 0024200624 MB 1505028 DAF	1	M16X1,5	20	M16X1,5	-	✓	10147.1
BS0020 10017	AA.10094.21	423 105 7030	BZ3440 BZ3443 0482022207000	A0074208618 MB 080219100 NEOPLAN 11015178 NEOPLAN	1	M16X1,5	20	-	M16X1,5	✓	10147.1

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T20 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

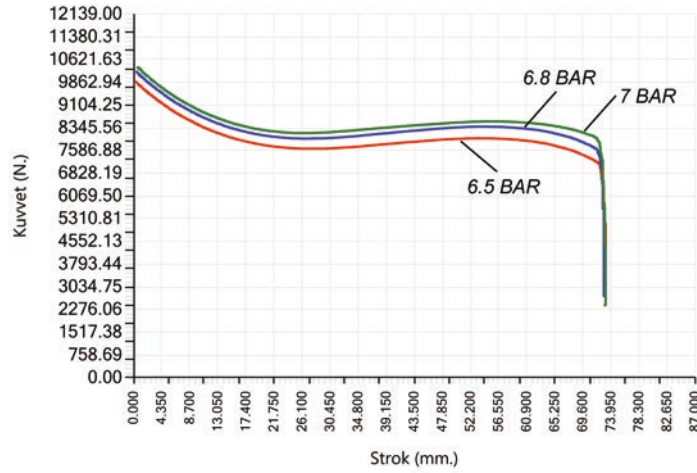
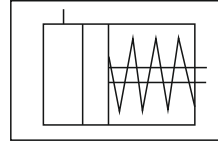
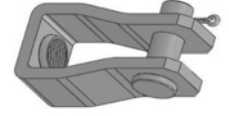


FIG. 2

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T20 / SERVICE

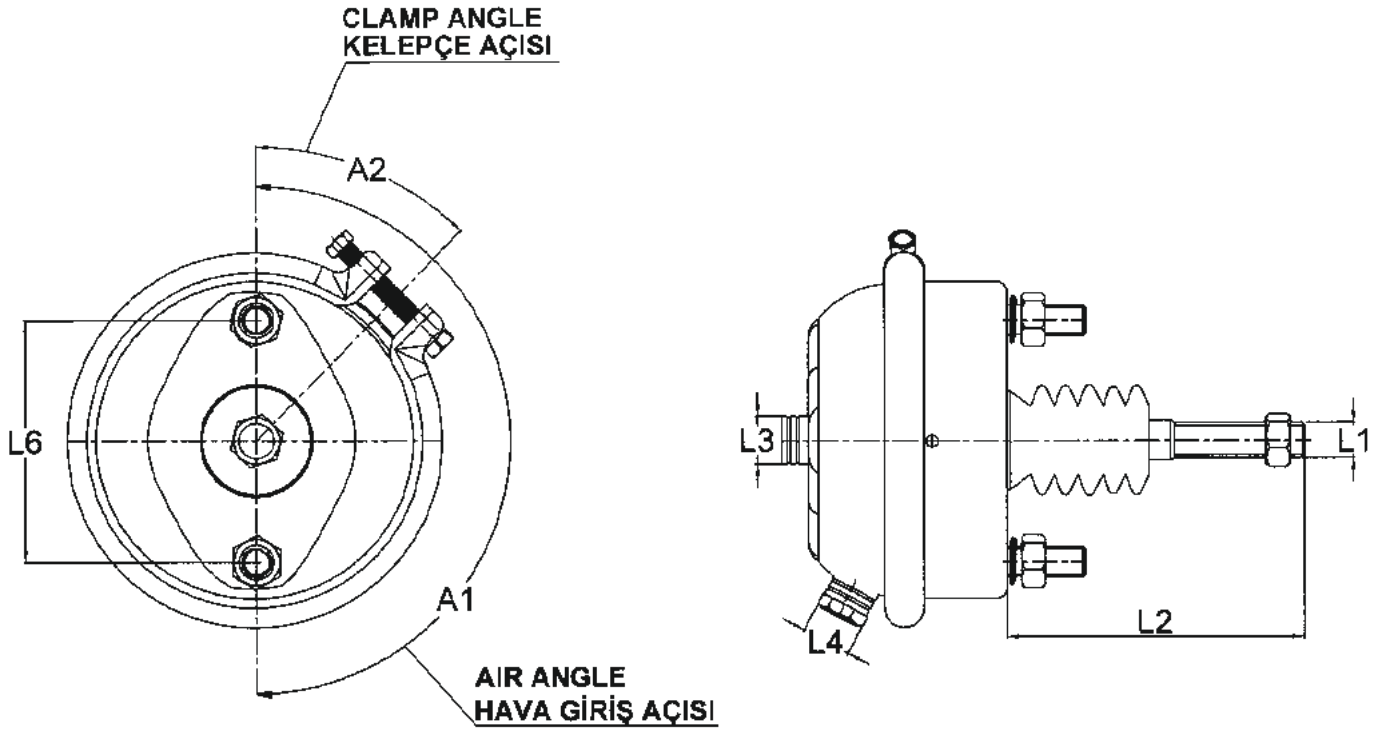


10140.0

STROKE 75

FIG. 2

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0020 10018	AA.10095				2	M16X1,5	200	M16X1,5	M16X1,5	✓	10140.0
BS0020 10019	AA.10095.7				2	M16X1,5	190	M16X1,5	M16X1,5	-	-
BS0020 10020	AA.10095.8	423 105 9000	BX3402 BX3417 BX3416 BX3419 BZ3460 BZ3434 BZ3433 BZ3421 295554 295532 295361 1252021000 1252021000AT 1252423000 1252423000AT	0024206518 MB 6984203721 MB 6994200724 MB A6984203721 MB A6994200724 MB 81511016076 MAN 81511016077 MAN 81511016078 MAN 81511016079 MAN 81511016199 MAN 81511019076 MAN 07010020 NEOPLAN 0834482 DAF BBU5931 DAF 834482 DAF 526031200000 VOLVO WA4231059000 VOLVO 3345107R1 IVECO 1738479 SCANIA 5021170049 RENAULT 0203273200 BPW 0203362000 BPW 0544414010 BPW 175202 KÖGEL 79302 KÖGEL ASX0014019 FRUEHAUF 945154 KRONE 50945154 KRONE 051009 SCHMITZ CARGOBULL 200260 GOLDHOFER 502918601 LIEBHERR 605109100 BENALU 3345107R1 SEDDON ATKINSON	2	M16X1,5	186	M16X1,5	M16X1,5	-	10140.0



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

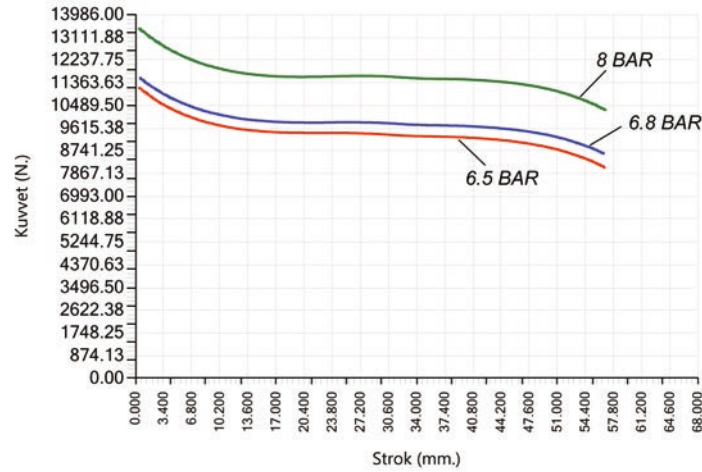
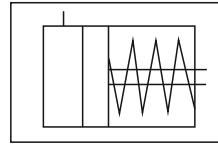
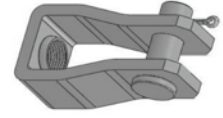


FIG. 1

S-KAM SERVİS FREN KÖRÜĞÜ S-CAM SERVICE BRAKE CHAMBER

T24 / SERVICE



10140.1

STROKE 57

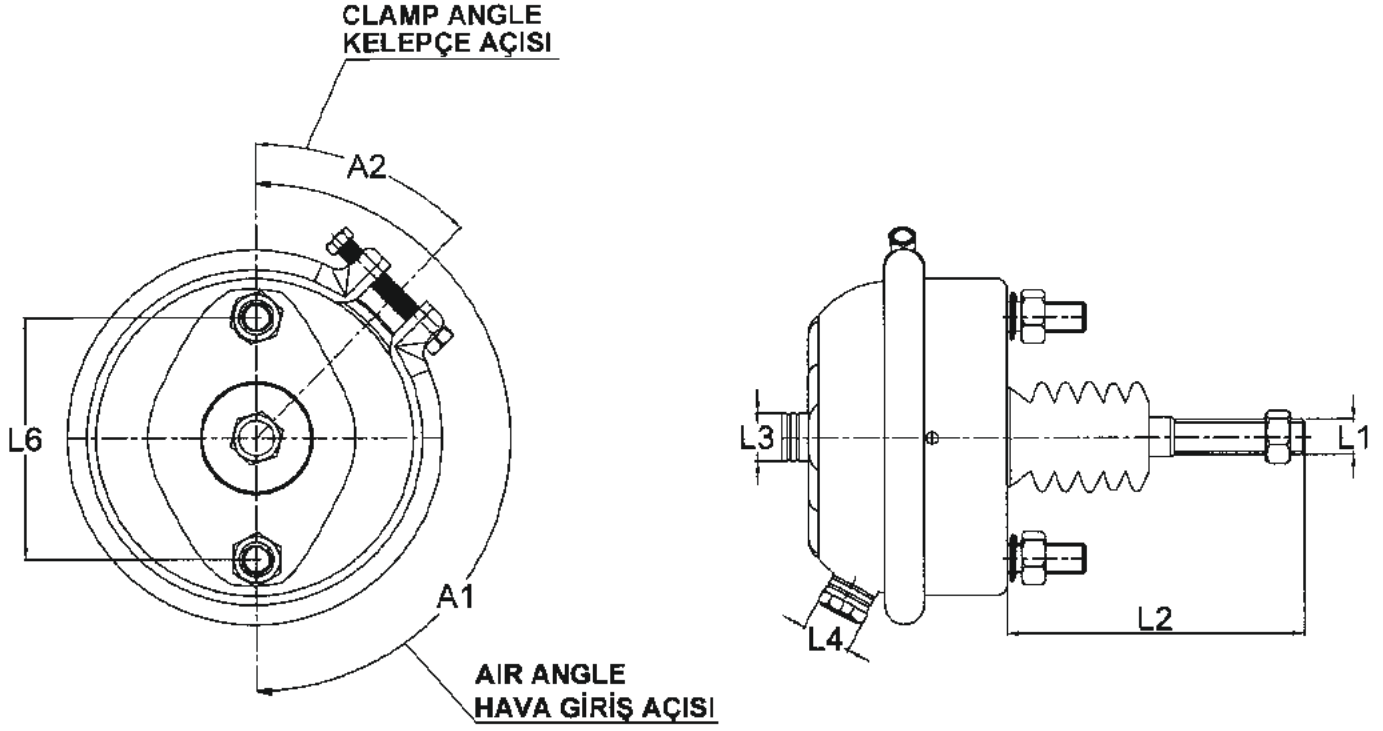
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0024 10021	AA.10102.16				1	M16X1,5	320	M16X1,5	M16X1,5	✓	10140.1

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T24 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

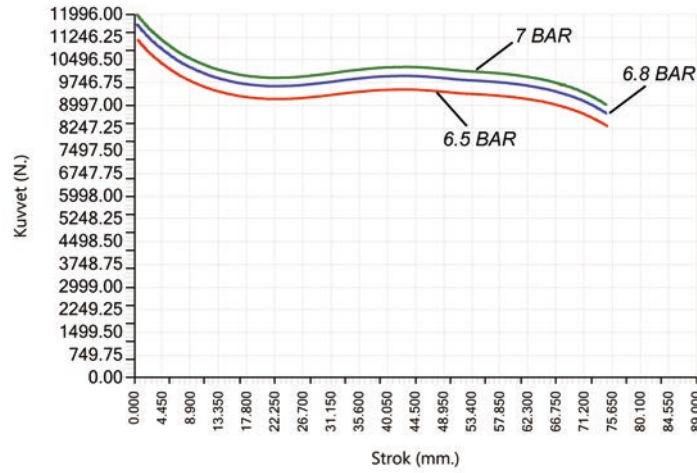
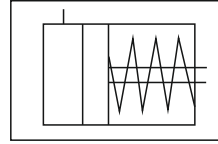


FIG. 2

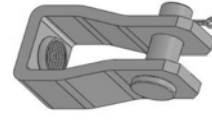
S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

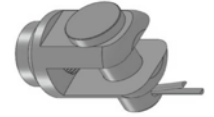
T24 / SERVICE



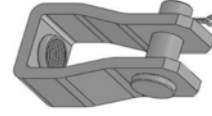
STROKE 75
FIG. 2



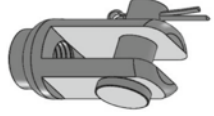
10140.0



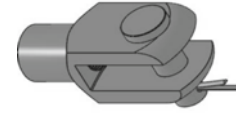
10147.1



10140.1



10149



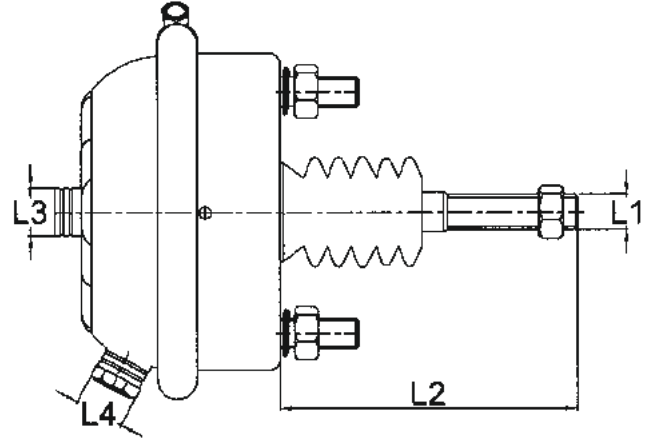
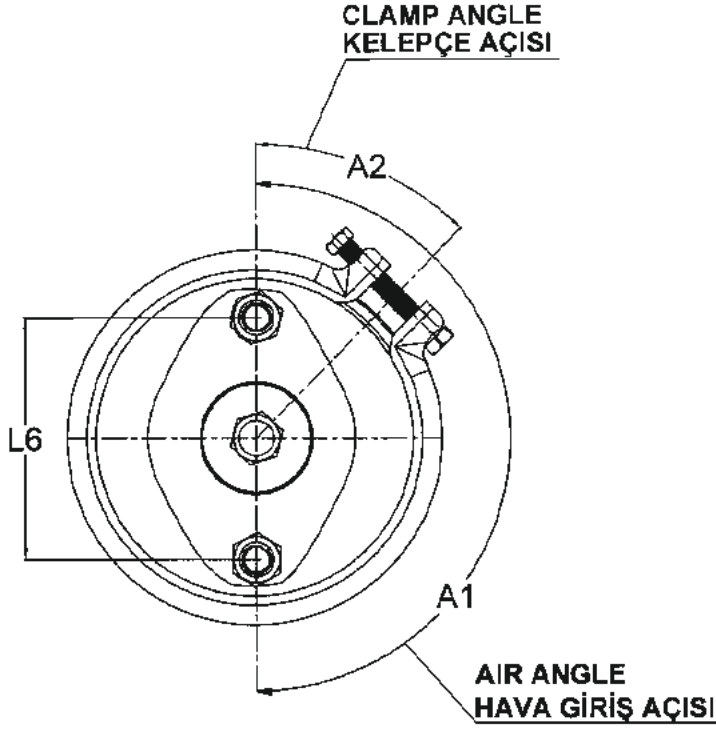
10144.1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM		FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0024 10024	AA.10102.9					2	M16X1,5	280	M16X1,5	M16X1,5	✓	10140.0
BS0024 10025	AA.10102.10					2	M16X1,5	200	M16X1,5	M16X1,5	-	10140.0
BS0024 10026	AA.10102.38	423 106 0880	BX3538	1522124 1305777 01305777 001305777	DAF SCANIA SCANIA SCANIA	2	M16X1,5	35	-	M16X1,5	-	10144.1
BS0024 10027	AA.10102.49					2	M16X1,5	187	M16X1,5	M16X1,5	-	10149
BS0024 10028		423 106 4500	BX3538	1313844	SCANIA	2	M16X1,5	38	-	M16X1,5	✓	10144.1
BS0024 10029	AA.10102.0					2	M16X1,5	320	M16X1,5	M16X1,5	✓	10147.1
BS0024 10022	AA.10102					2	M16X1,5	340	M16X1,5	M16X1,5	✓	10140.1
BS0024 10023	AA.10102.8	423 106 9000	BZ3537 BZ3523 BZ3533 BZ3534 BZ3520 BZ3521 BX3534 BX3535 BX3538 BX3507 295533 295362 1252423000AT 1252423000 1252400000	0004207424 MB 0004207524 MB 0004209124 MB 0004209224 MB 0014203524 MB 0014203624 MB 0014203724 MB 0014203824 MB 0014203924 MB 0014206724 MB 0014206824 MB 0014207424 MB 0044208618 MB 0044208718 MB 0064201618 MB 0064201718 MB 81511016080 MAN 81511016081 MAN 81511016082 MAN 81511016083 MAN 81511016105 MAN 81511016111 MAN	81511016115 MAN 81511019105 MAN 07010024 NEOPLAN 080220100 NEOPLAN 11015181 NEOPLAN 0834483 DAF 834483 DAF BBU5932 DAF 6212188 VOLVO WA4231069000 VOLVO 3345108R1 IVECO 1738480 SCANIA 1010154 SCANIA 38855200 RENAULT 0038855200 RENAULT 4231069000 RENAULT 5000809565 RENAULT 5021170051 RENAULT 0203273100 BPW 0544415010 BPW 0544415100 BPW 0544415110 BPW	2	M16X1,5	186	M16X1,5	M16X1,5	✓	10140.0

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T27 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min

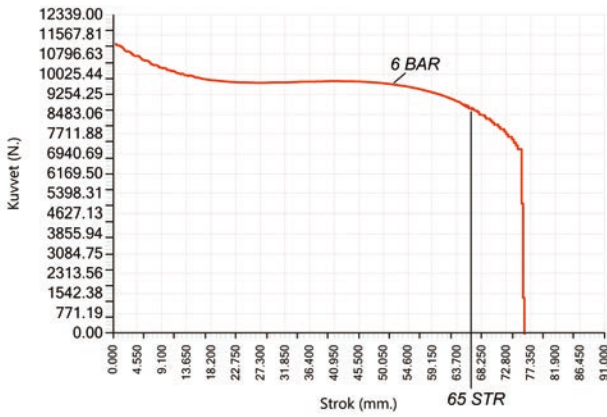
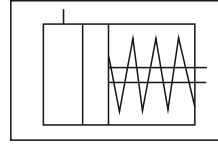


FIG. 1

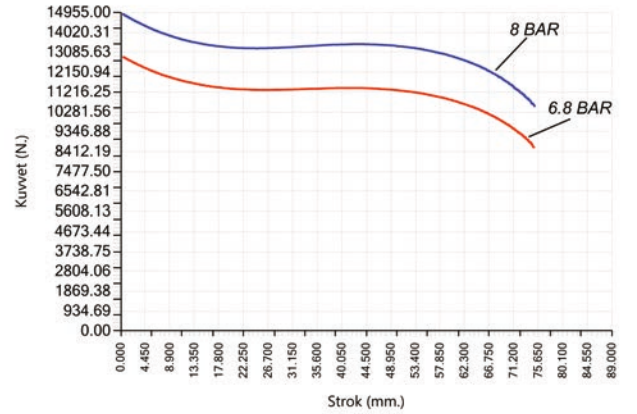


FIG. 2

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

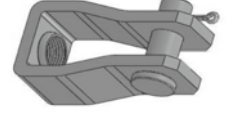
T27 / SERVICE



STROKE 65
FIG. 1



STROKE 75
FIG. 2



10140.0



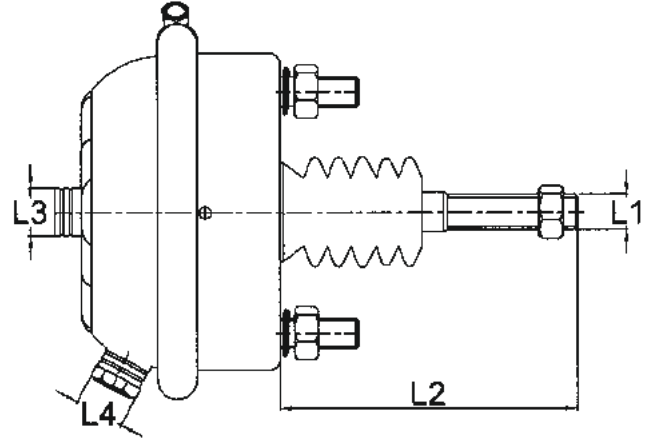
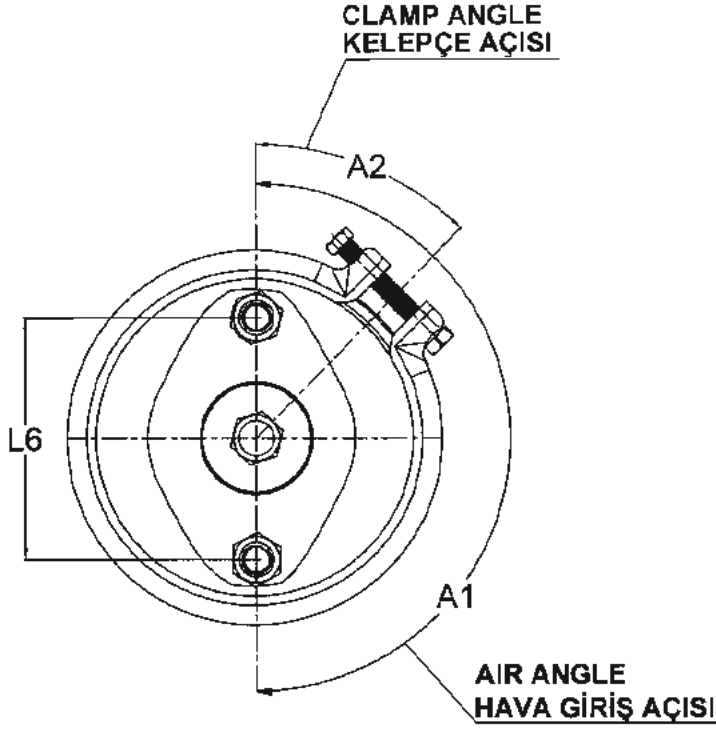
10147.1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0027 10030		423 109 0100 423 109 0130		3985253 VOLVO 1932632 SCANIA 7420872026 RENAULT	1	M16X1,5	247	M16X1,5	M16X1,5	-	-
BS0027 10031	AA.10092	423 109 1020		81511016455 MAN 81511019455 MAN 1932633 SCANIA	2	M16X1,5	20	M16X1,5	-	✓	10147.1
BS0027 10032	AA.10092.4	423 109 1200		81511016481 MAN	2	M16X1,5	23	M16X1,5	-	✓	10147.1
BS0027 10033	AA.10092.2				2	M16X1,5	185	M16X1,5	-	✓	10140.0

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T30 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

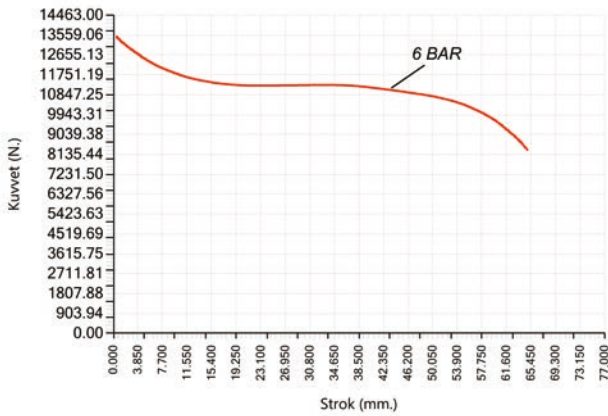
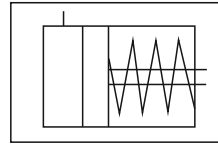


FIG. 1

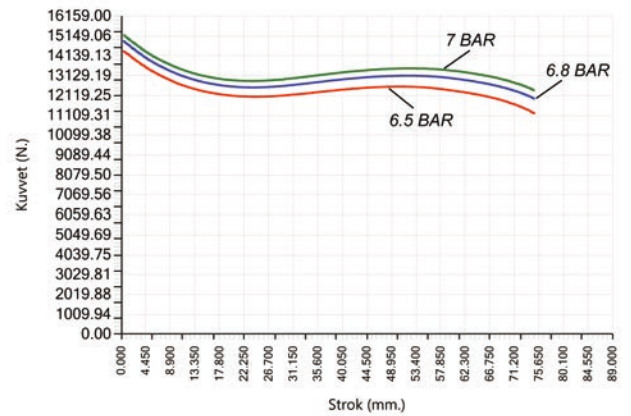


FIG. 2

S-KAM SERVİS FREN KÖRÜĞÜ

S-CAM SERVICE BRAKE CHAMBER

T30

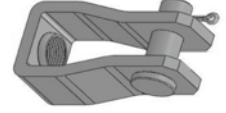
SERVICE



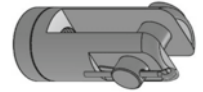
STROKE 65
FIG. 1



STROKE 75
FIG. 2



10140.0

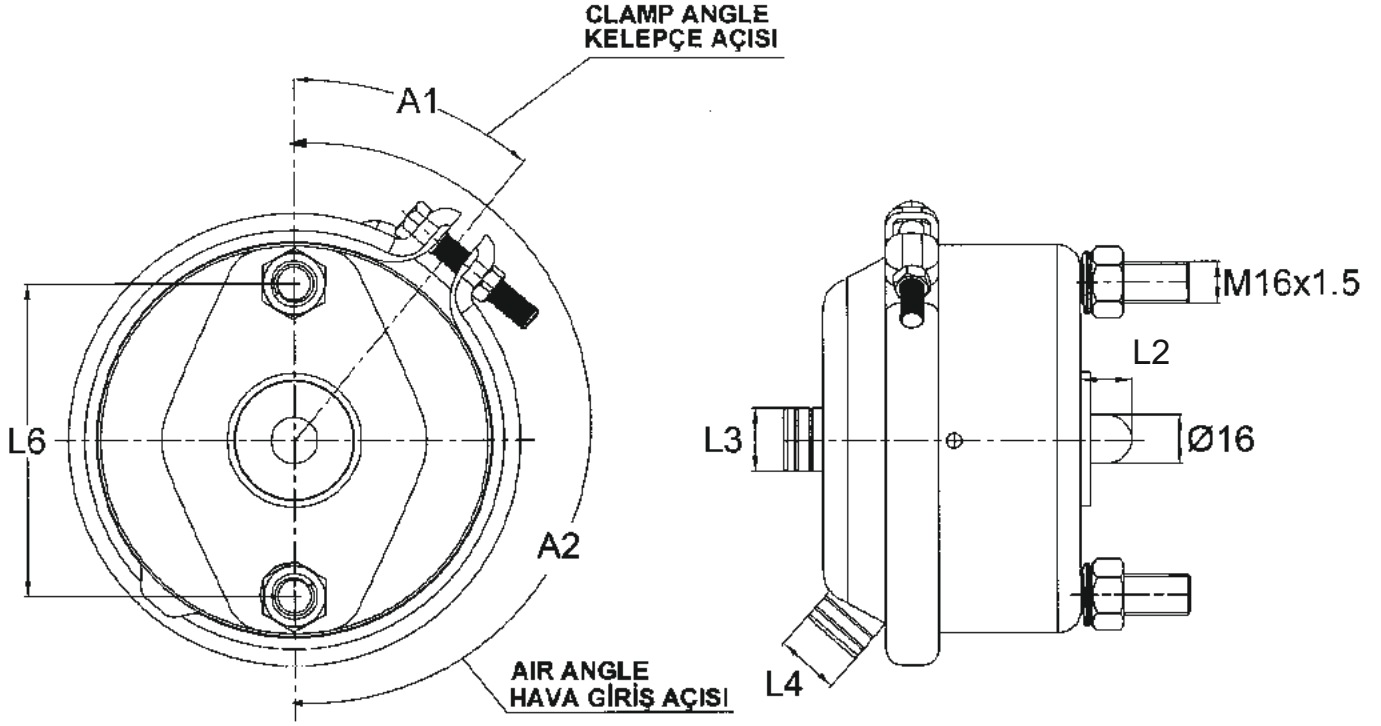


10141.0

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT		T. LAS. GAITER	ÇATAL YOKE		
						Thread Vida L1	Length Uzunluk L2	L3	L4				
BS0030 10034	AA.10101				1	M16X1,5	190	M16X1,5	M16X1,5	✓	10140.0		
BS0030 10035	AA.10101.2				1	M16X1,5	37	M16X1,5	M16X1,5	✓	10140.0		
BS0030 10036		423 107 0100		20927147 VOLVO	1	M16X1,5	58	M16X1,5	M16X1,5	-	-		
BS0030 10045	AA.10101.30			5K14266 BMC	1	M16X1,5	200	-	M16X1,5	✓	10141.0		
BS0030 10037	AA.10101.8	423 107 9000	BX3604	8283850000 MB	ASX0014021	2	M16X1,5	186	M16X1,5	M16X1,5	-	10140.0	
	AA.10101.13		BZ3636	0004208024 MB	M02027203								FRUEHAUF
	AA.10101.34		BX3605	8283572000 MB	50945152								KRONE
			BX3607	07010030 NEOPLAN	945152								KRONE
			295534	834484 DAF	123300001								HALDEX
			EF306AK	0834484 DAF	502966208								LIEBHERR
			BZ36364	705707 DAF	502920501								LIEBHERR
				BBU5933 DAF									
				WA42310790000 VOLVO									
				1010155									SCANIA
				1738481									SCANIA
				5021170052									RENAULT
				5000815361									RENAULT
				0544416010									BPW
		0544416100		BPW									
		0544416110		BPW									
		0203272900		BPW									
		203272900		BPW									
		4454103900		SAF / SAUER									
		175204		KÖGEL									
		79545		KÖGEL									
		945152		KÖGEL									
BS0030 10038	AA.10101.14				2	M16X1,5	180	M16X1,5	M16X1,5	-	10140.0		
BS0030 10039	AA.10101.21				2	M16X1,5	120	M16X1,5	M16X1,5	-	10140.0		
BS0030 10040	AA.10101.33			1081461 VOLVO	2	M16X1,5	165	M16X1,5	M16X1,5	-	10140.0		

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T12 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

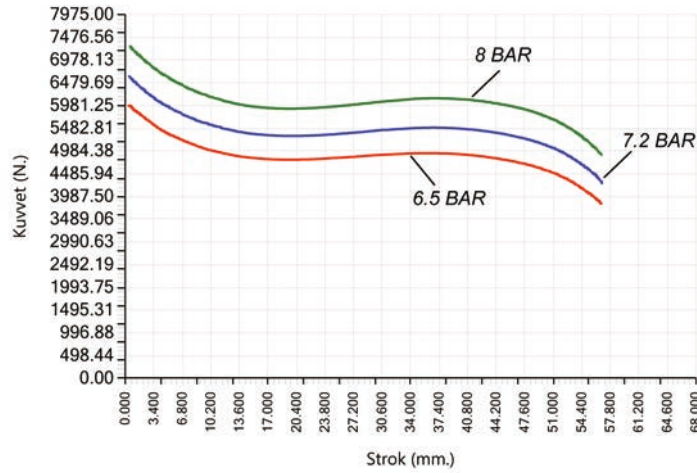
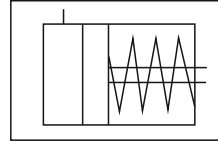


FIG. 1

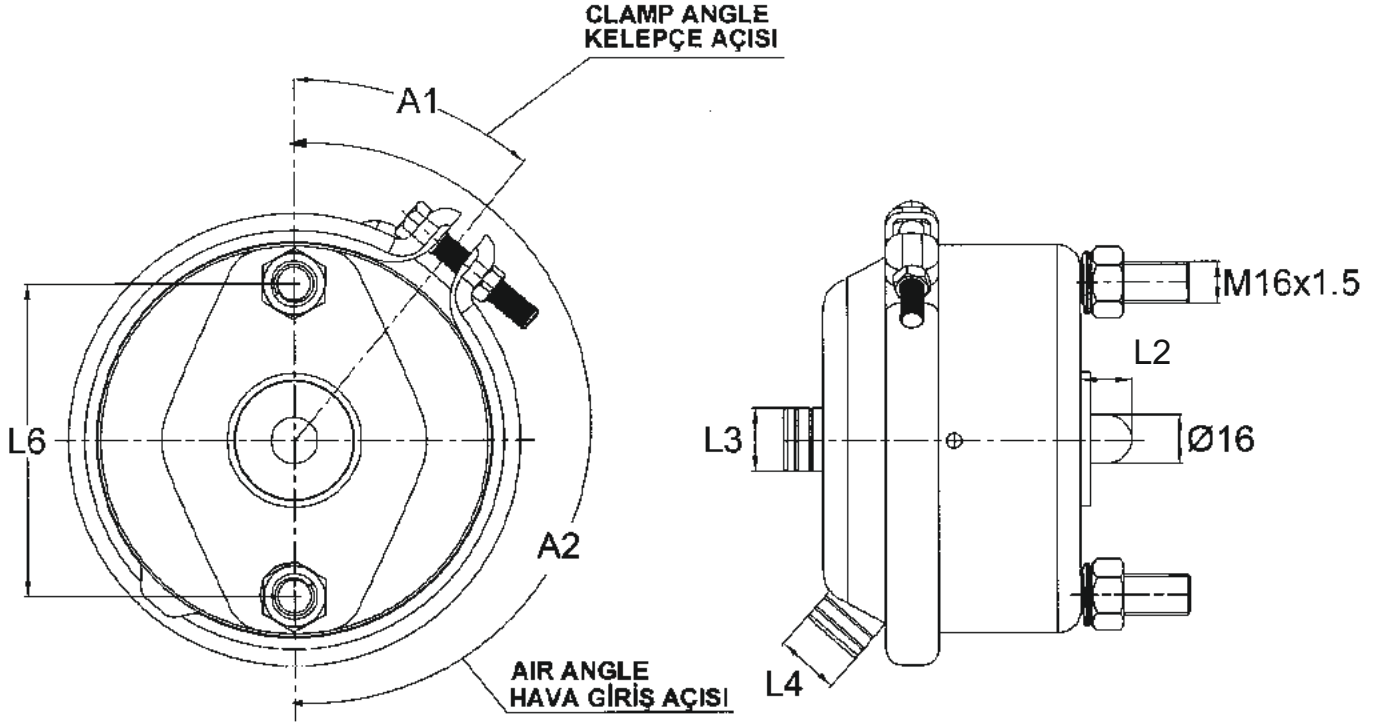


STROKE 57
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0012 20001	AA.10069	423 503 0000		1392259 DAF	1	15	M16X1,5	M16X1,5
BS0012 20002			BS3201 K008766	41211446 IVECO 41031955 IVECO	1	15	M16X1,5	M16X1,5

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T14 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

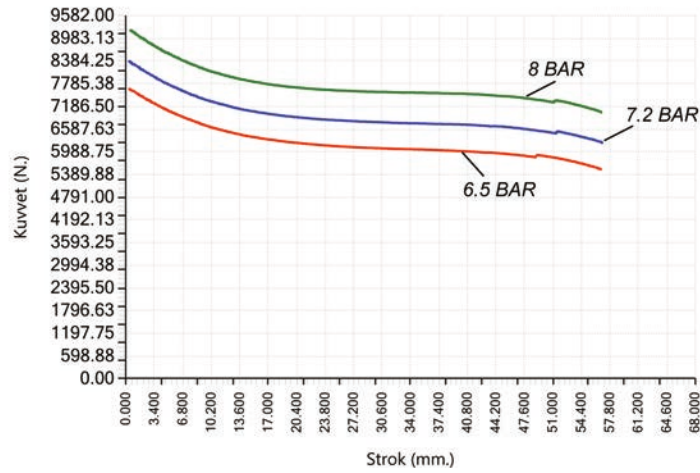
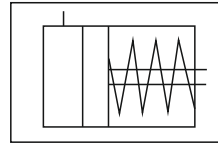


FIG. 1

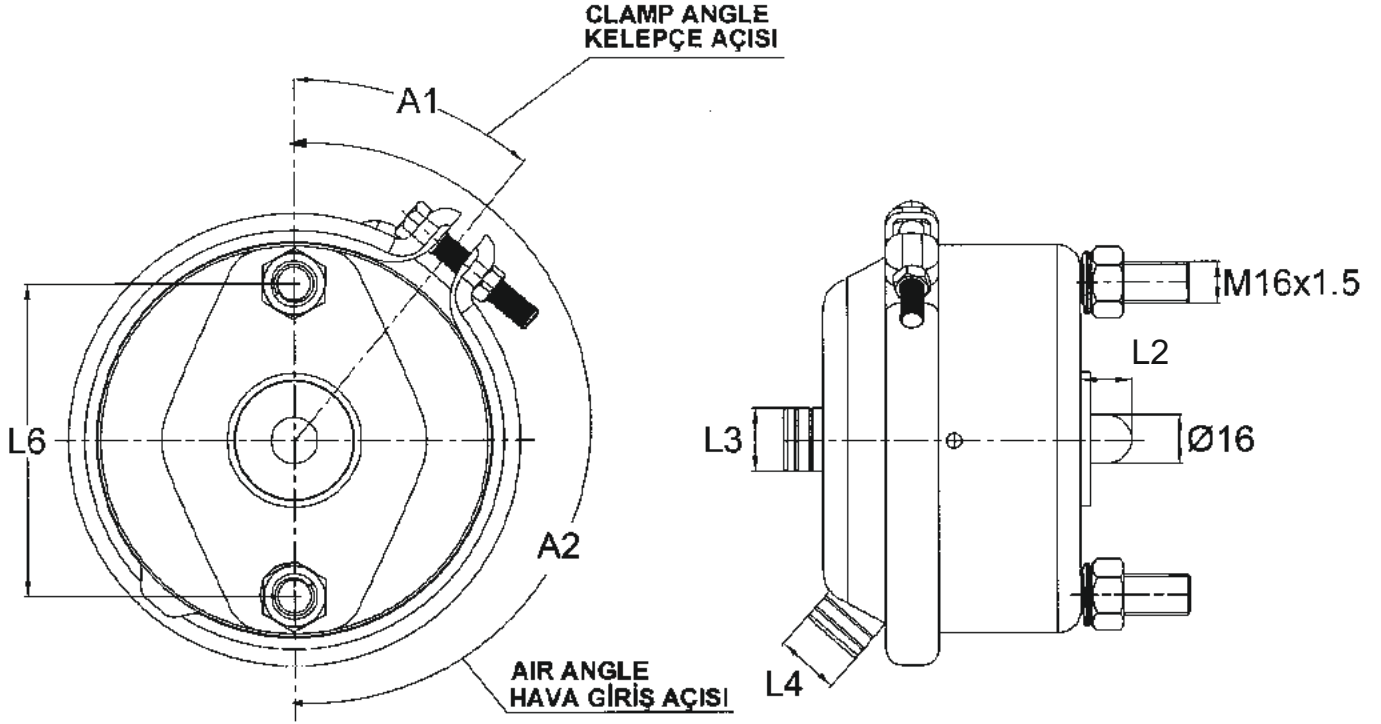


STROKE 57
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0014 20003	AA.10068	423 114 7100	BS3251 II31782	1505244 DAF 1932638 SCANIA 0203276800 BPW 0203276900 BPW 05444300 BPW 13C3505412AA OTOKAR	1	15	M16X1,5	M16X1,5

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T16 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

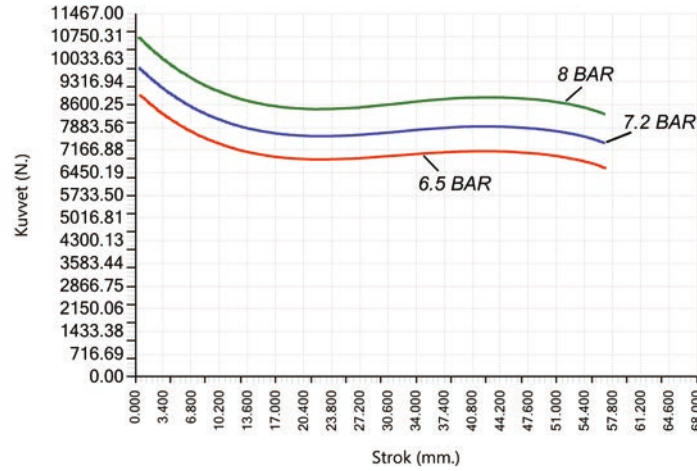
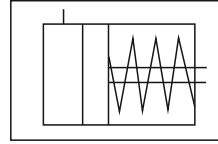


FIG. 1



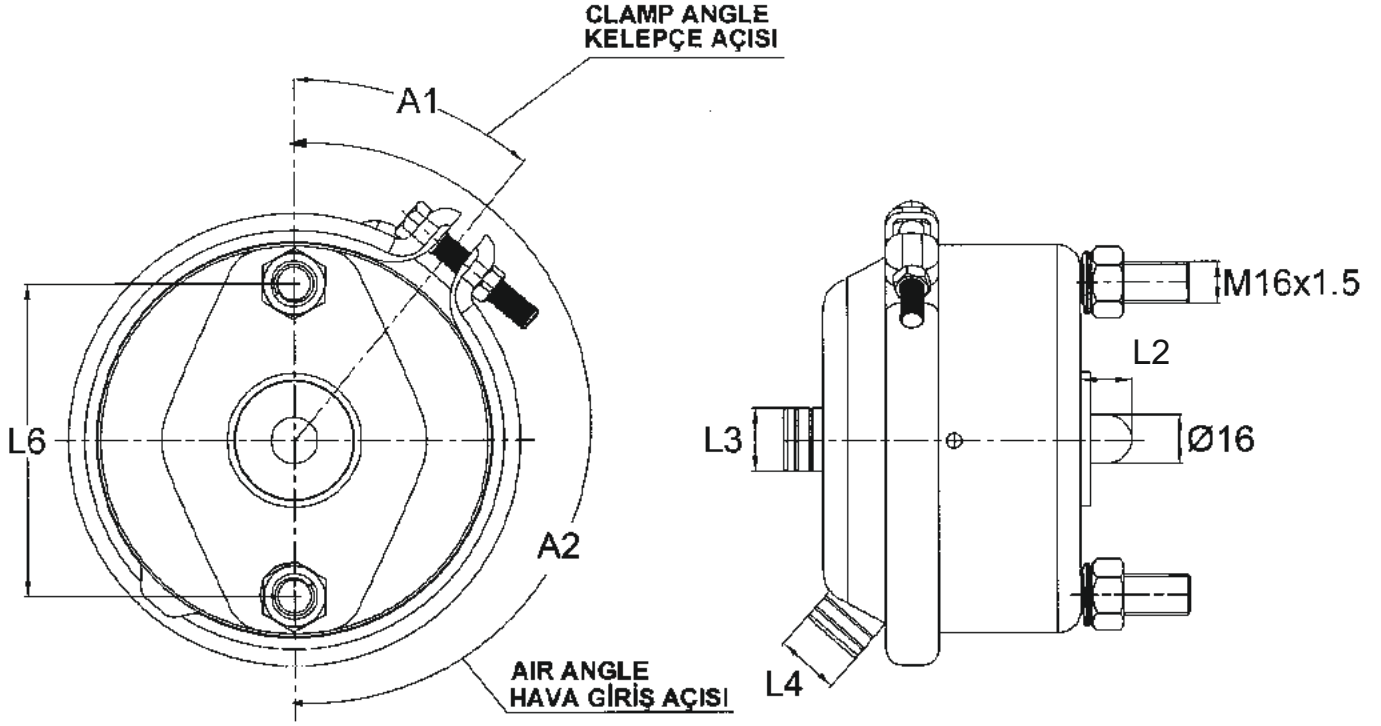
STROKE 57
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0016 20004	AA.10070	423 104 7150	BS3328 1138572F		1	15	M16X1,5	M16X1,5
BS0016 20005	AA.10070.1	423 504 0020			1	15	—	M16X1,5
BS0016 20006	AA.10070.3	423 104 7100	BS3300 BS3315	A0064205224 MB 0064205224 MB 0054202924 MB 0054203924 MB 0074207424 MB A0054202924 MB A0054203924 MB 1505241 DAF 1932621 SCANIA 0203277000 BPW 0203277100 BPW 0544432010 BPW 0544432020 BPW 3454106560 SAF/SAUVER 3454108160 SAF/SAUVER 334652 KÖGEL AJV4526 FRUEHAUF 505812866 KRONE 505812866/0 KRONE 5812866 KRONE 58128660 KRONE	1	15	M16X1,5	M16X1,5

DİSK SERVİS FREN KÖRÜĞÜ

DISC SERVICE BRAKE CHAMBER

T20 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

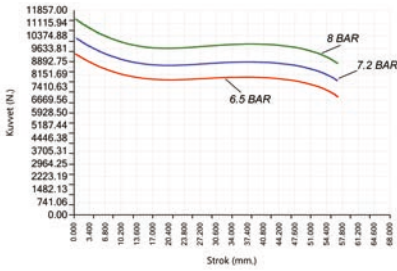
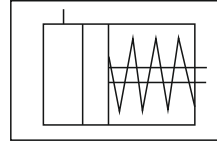


FIG. 1

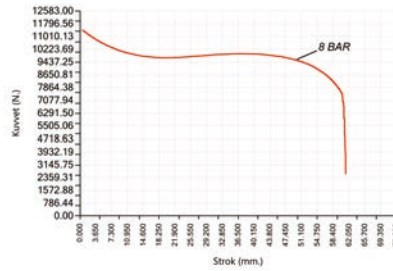


FIG. 2

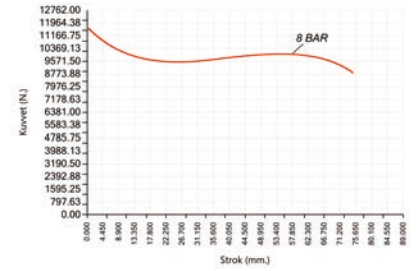


FIG. 3

DİSK SERVİS FREN KÖRÜĞÜ

DISC SERVICE BRAKE CHAMBER

T20 / SERVICE



STROKE 57
FIG. 1



STROKE 62
FIG. 2

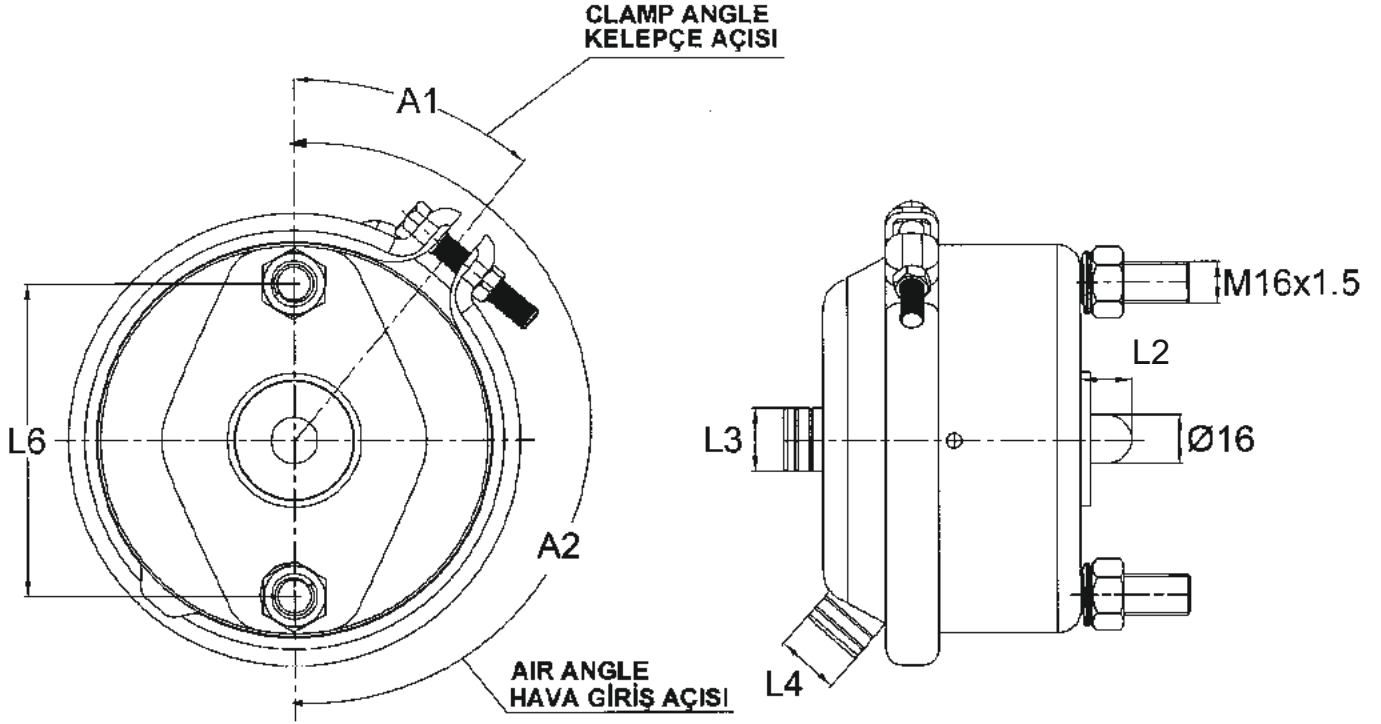


STROKE 75
FIG. 3

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0020 20007	AA.10071.6	423 105 0200	BS3417	81511016384 MAN	1	15	M16X1,5	-
				81511019384 MAN				
				1524853 DAF				
BS0020 20008	AA.10071	423 505 0040	BS3436	4454106700 SAF / SAUVER	2	15	M16X1,5	M16X1,5
				344144 KÖGEL				
BS0020 20009	AA.10071.1	423 505 0000	BS3404	A0074201224 MB	2	15	M16X1,5	M16X1,5
				N2504016063 MAN				
				1517954 DAF				
				1932639 SCANIA				
				0203277400 BPW				
				0203277500 BPW				
				0544434010 BPW				
				0544434020 BPW				
				3454106760 SAF / SAUER				
				3454108260 SAF / SAUER				
4454106760 SAF								
337900 KÖGEL								
BS0020 20010		423 105 7000		81511016378 MAN - NEOPLAN	3	20	-	M22X1,5
BS0020 20011		423 105 7010		81511016377 MAN - NEOPLAN	3	20	-	M22X1,5
BS0020 20012	AA.10071.8				3	20	M22X1,5	M22X1,5

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T22 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

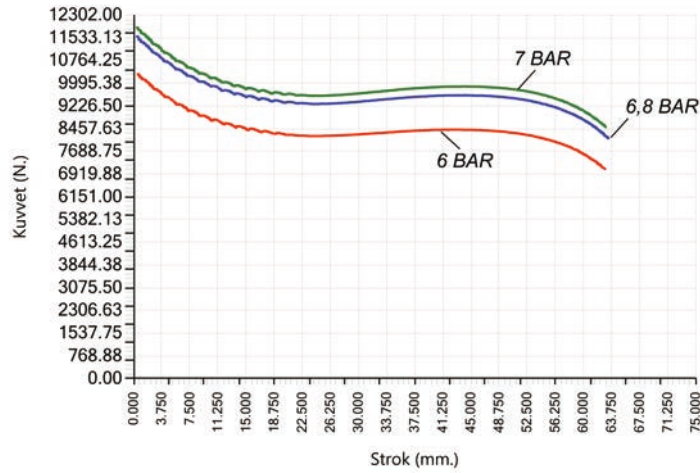
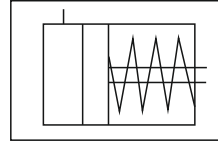


FIG. 1

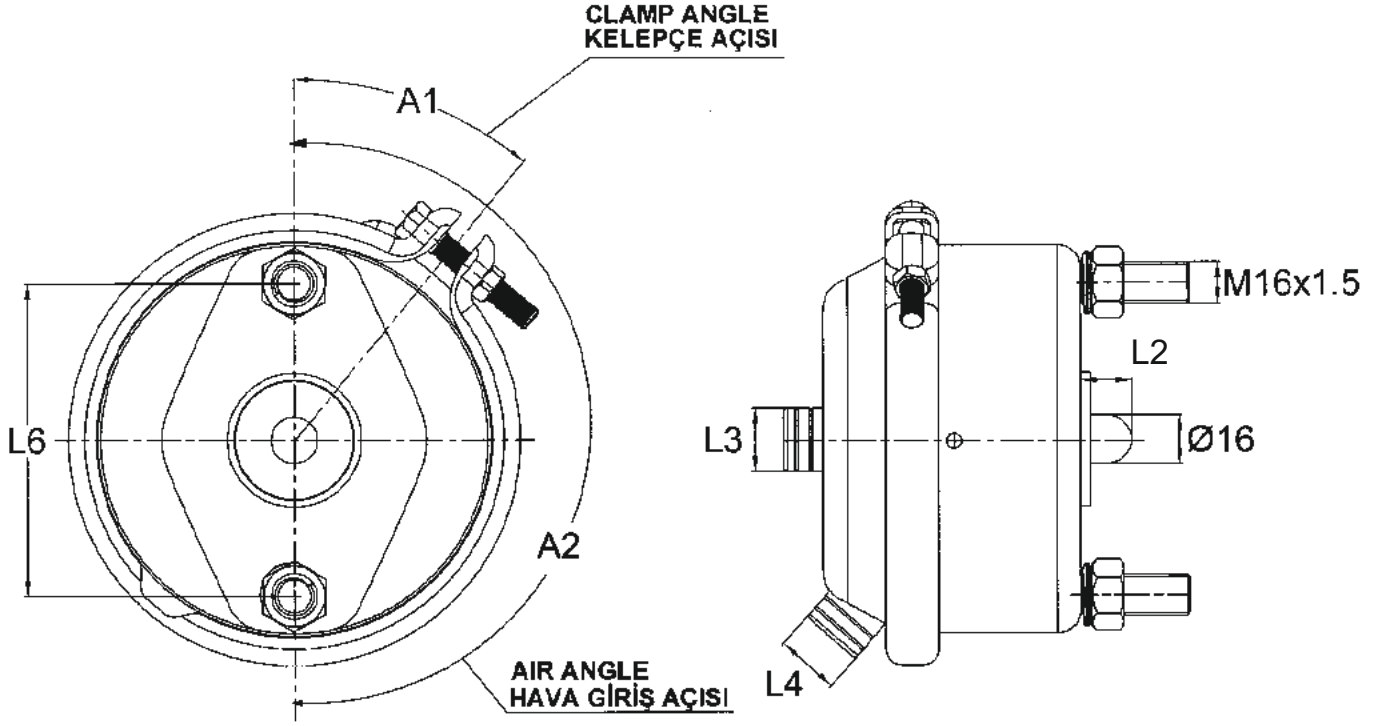


STROKE 62
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk	HAVA GİRİŞ AIR PORT	
						L2	L3	L4
BS0022 20013		423 110 7100	BS3453	0074201324 MB 2121531 SCANIA 1932635 SCANIA 0544435020 BPW 0203277700 BPW 0203277600 BPW	1	15	M16X1,5	M16X1,5

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T24 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

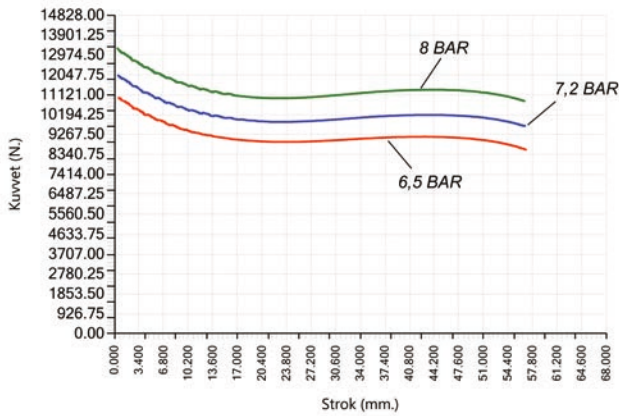
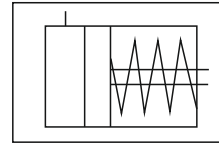


FIG. 1

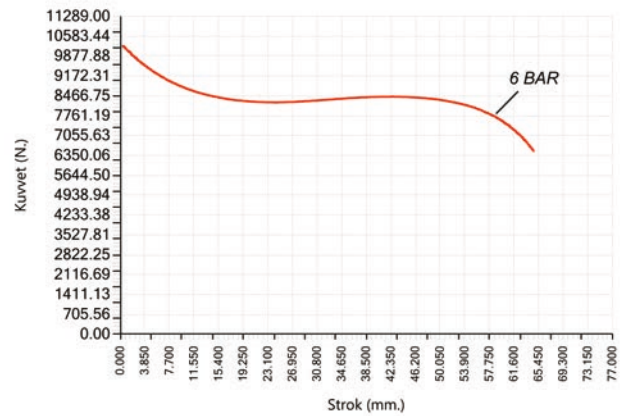


FIG. 2

DİSK SERVİS FREN KÖRÜĞÜ

DISC SERVICE BRAKE CHAMBER

T24 / SERVICE



STROKE 57
FIG. 1

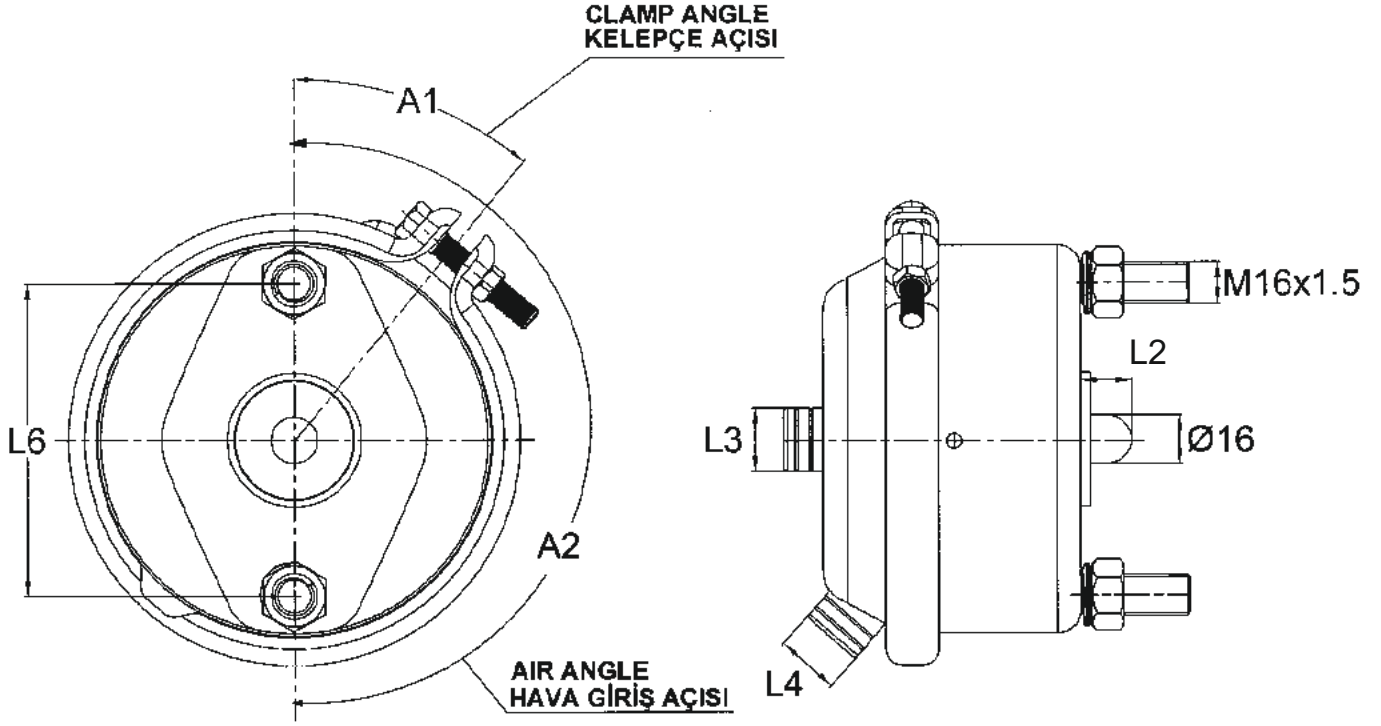


STROKE 65
FIG. 2



FIG. 2A

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0024 20014	AA.10072.12	423 506 0020	BS3547 1138530F	445410690 SAF/ SAUER 344143 KÖGEL	1	15	M16X1,5	M16X1,5
BS0024 20015	AA.10072	423 506 1400		1542893 SCANIA	2	15	–	M16X1,5
BS0024 20016	AA.10072.1	423 506 1410			2	15	–	M16X1,5
BS0024 20017	AA.10072.3	423 506 1430	BS2504	1542896 SCANIA	2	15	–	M16X1,5
BS0024 20018	AA.10072.4	423 506 0700		3177338 VOLVO	2 A	15	M16X1,5	M16X1,5
BS0024 20019	AA.10072.7	423 506 0200		1373681 DAF / VDL BUS 1791409 DAF	2	15	M16X1,5	M16X1,5
BS0024 20020	AA.10072.11	423 506 0010	BS3509	A0074201424 MB 0074201424 MB 1517956 DAF 500590336 IVECO 1932640 SCANIA 0203277800 BPW 0203277900 BPW 0544436010 BPW 0544436020 BPW 3454106960 SAF / SAUER 337902 KÖGEL 10218884 LIEBHERR	2	15	M16X1,5	M16X1,5
BS0024 20021	AA.10072.14	423 506 1300 423 506 1310		20742389 VOLVO 7420533191 RENAULT 5001866301 RENAULT	2 A	15	M16X1,5	M16X1,5
BS0024 20022	AA.10072.15	423 506 1040 423 506 0630		21403468 VOLVO 7420824261 RENAULT	2 A	15	M16X1,5	M16X1,5
BS0024 20023	AA.10072.16	423 506 1030 423 506 0620		21403469 VOLVO 7420824262 RENAULT	2 A	15	M16X1,5	M16X1,5



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

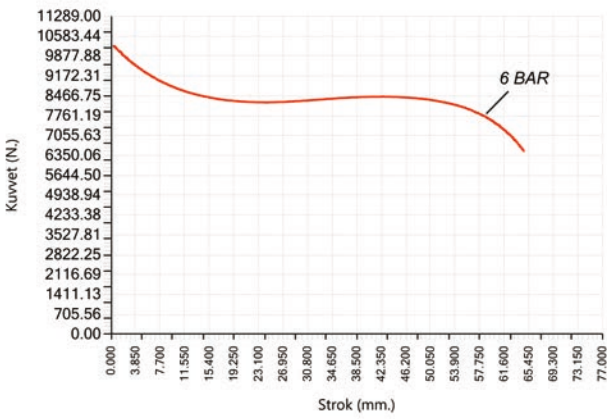
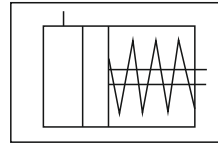


FIG. 2

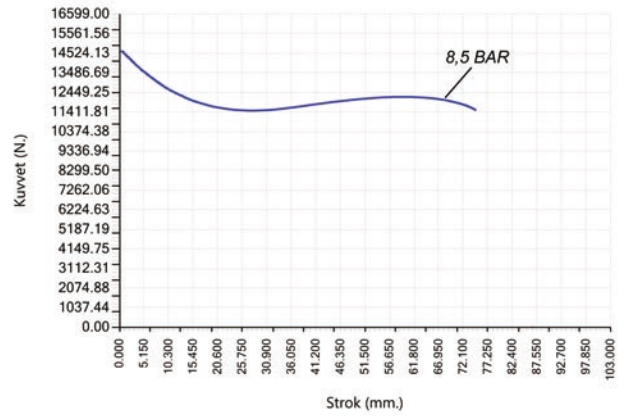


FIG. 3

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T24 / SERVICE



STROKE 65
FIG. 2



FIG. 2A

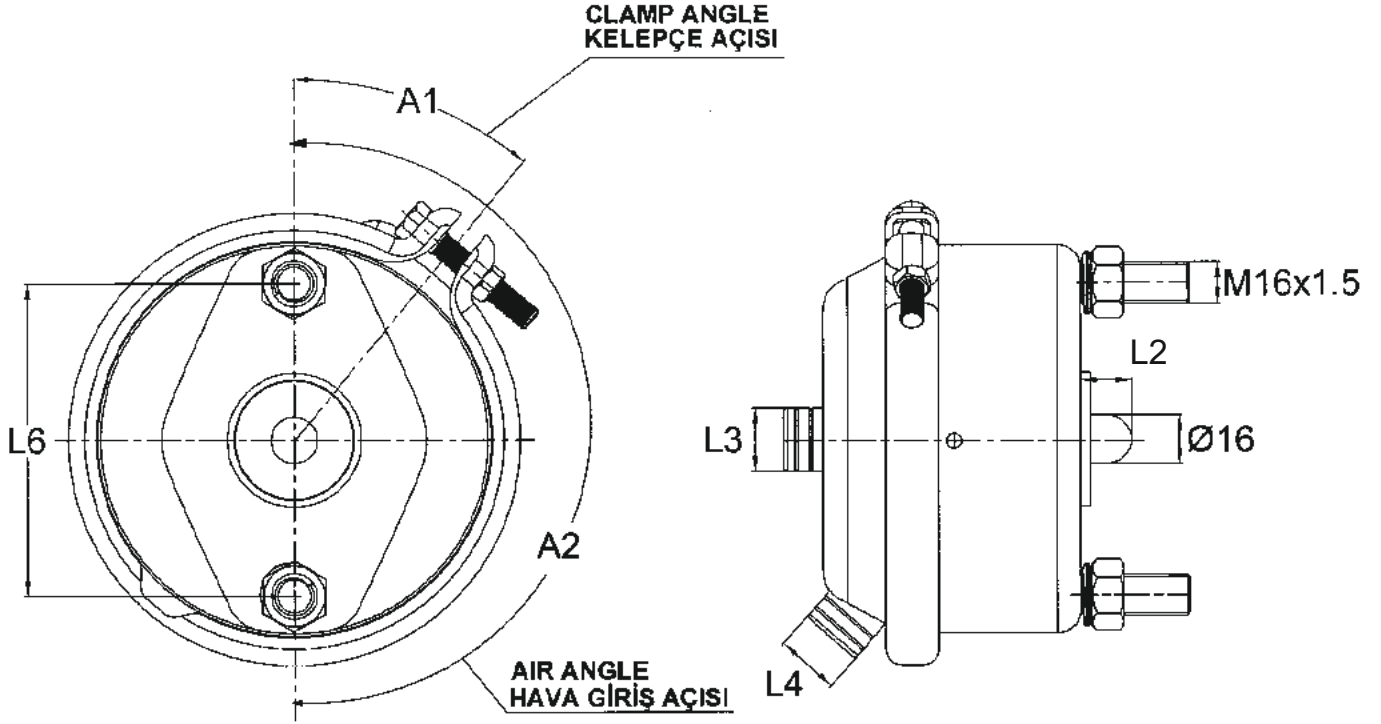


STROKE 75
FIG. 3

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
							L3	L4
BS0024 20024		423 506 0810		20361838 VOLVO	2 A	15	M16X1,5	M16X1,5
				68323861 MERITOR				
BS0024 20025		423 506 1000		20410138 VOLVO	2 A	15	M16X1,5	M16X1,5
BS0024 20026		423 506 1020		20708819 VOLVO	2 A	15	M16X1,5	M16X1,5
		423 506 0640		7421483526 RENAULT				
BS0024 20027			BS2514	81511016467 MAN	2	15	-	M22X1,5
			K001027	81511016483 MAN				
BS0024 20028			BS2515	81511016466 MAN	2	15	-	M22X1,5
			K001028	81511016484 MAN				
BS0024 20029	AA.10072.18	423 106 7010	BS3537	81511016435 MAN	3	20	-	M22X1,5
				81511016437 MAN				
				81511019435 MAN				
				81511016499 MAN				
BS0024 20030			BS3526	81511016491 MAN	3	26	-	M22X1,5
			II32723	81511016425 MAN				
				81.51101.6491 MAN				
BS0024 20031			BS3528	81511016424 MAN	3	26	-	M22X1,5
			II33909	81.51101.6490 MAN				
				81.51101.6424 MAN				
				81511016490 MAN				

DİSK SERVİS FREN KÖRÜĞÜ DISC SERVICE BRAKE CHAMBER

T30 / SERVICE



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

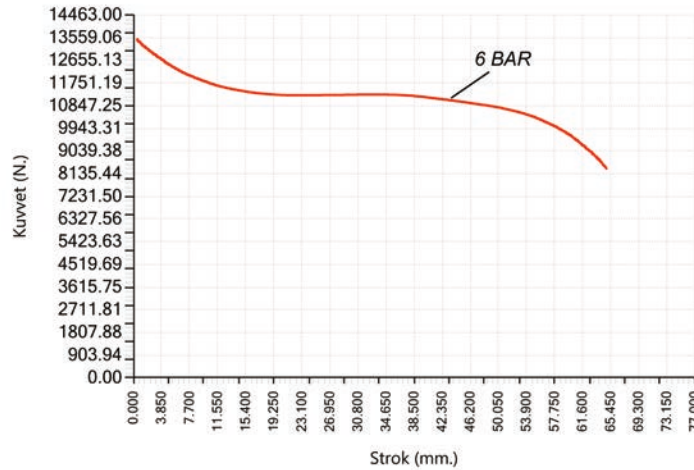
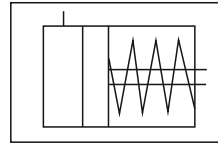
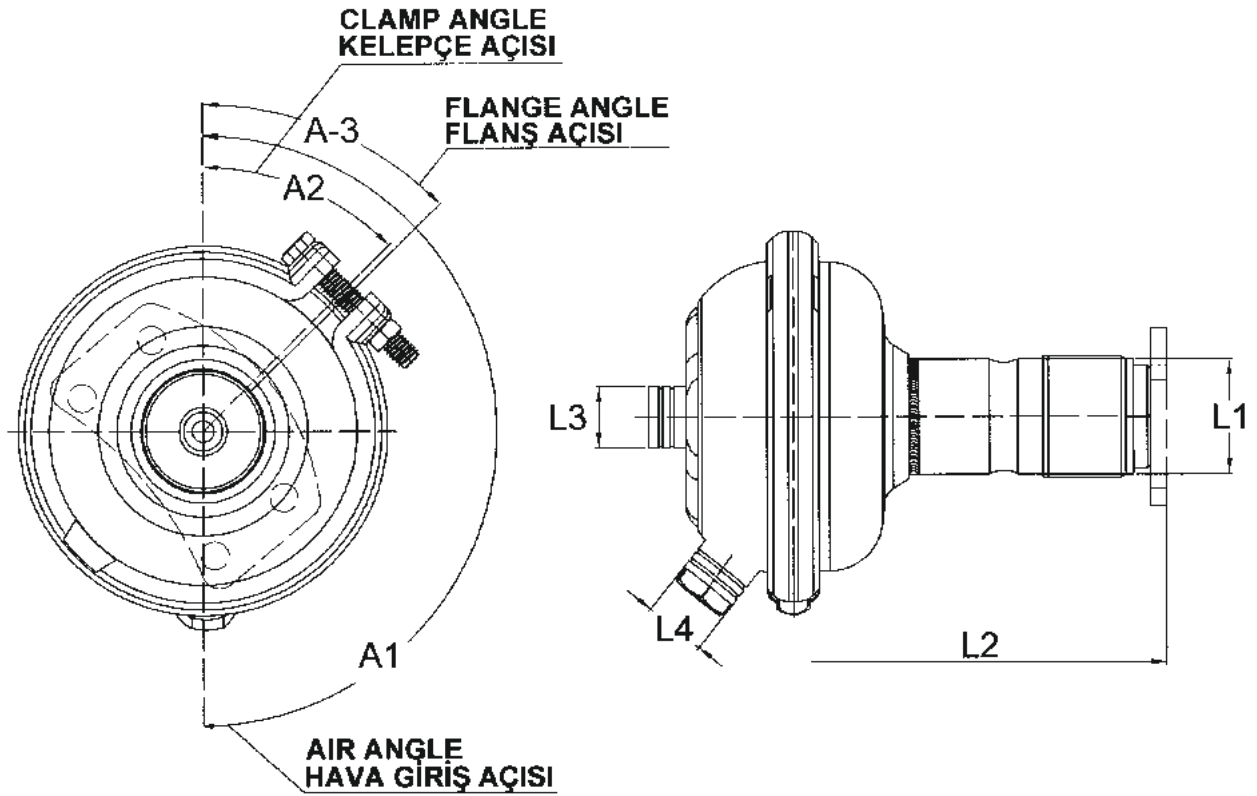


FIG. 1



STROKE 65
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L3 L4
BS0030 20032	AA.10073	423 507 0000		1516161 SCANIA	1	15	M16X1,5



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

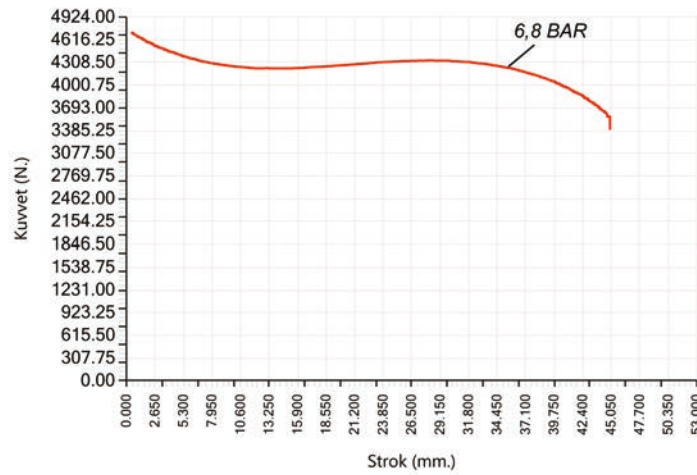
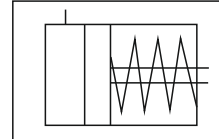


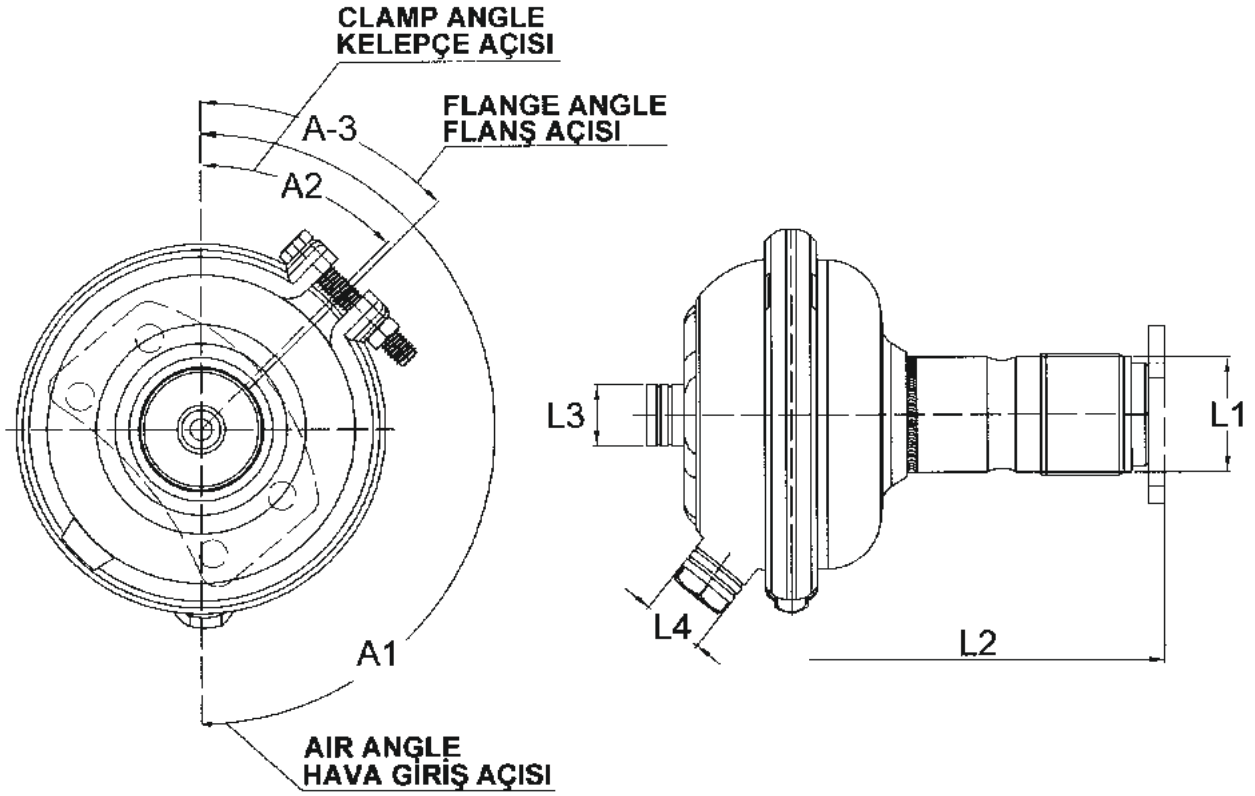
FIG. 1



STROKE 44,5

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT		FLANŞ FLANGE	
						Thread Vida L1	Length Uzunluk L2	L3	L4		
BS0009 30001	AA.10096	423 142 0010	EF90AB BZ3106 BZ3217 167388 158477	81511019270	MAN	1	1 3/4-12UNS	138	-	M16X1,5	-
				1517953	DAF						
				6873710	VOLVO						
				4464477	IVECO						
				04452022	IVECO						
				02520947	IVECO						
				04462022	IVECO						
				04713104	IVECO						
				04724488	IVECO						
				61598729	IVECO						
EF90AB	MARELLI										
BS0009 30002	AA.10096.2					1	M48X2	138	M16X1,5	M16X1,5	-
BS0009 30009						1	M48X2	158,5	M16X1,5	M16X1,5	-



Type / Tip	SFK
Operating Pressure Çalışma Basıncı	Max 10 Bar
Permissible Medium Çalışma Ortamı	Air Hava
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	13 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

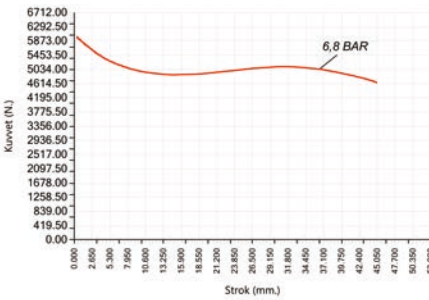
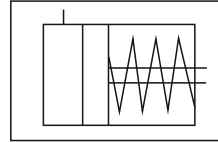


FIG. 1

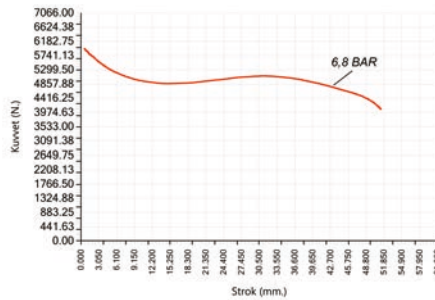


FIG. 1

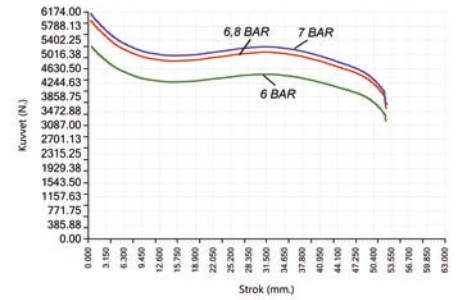


FIG. 2



STROKE 44,5 - 51
FIG. 1



STROKE 53
FIG. 2

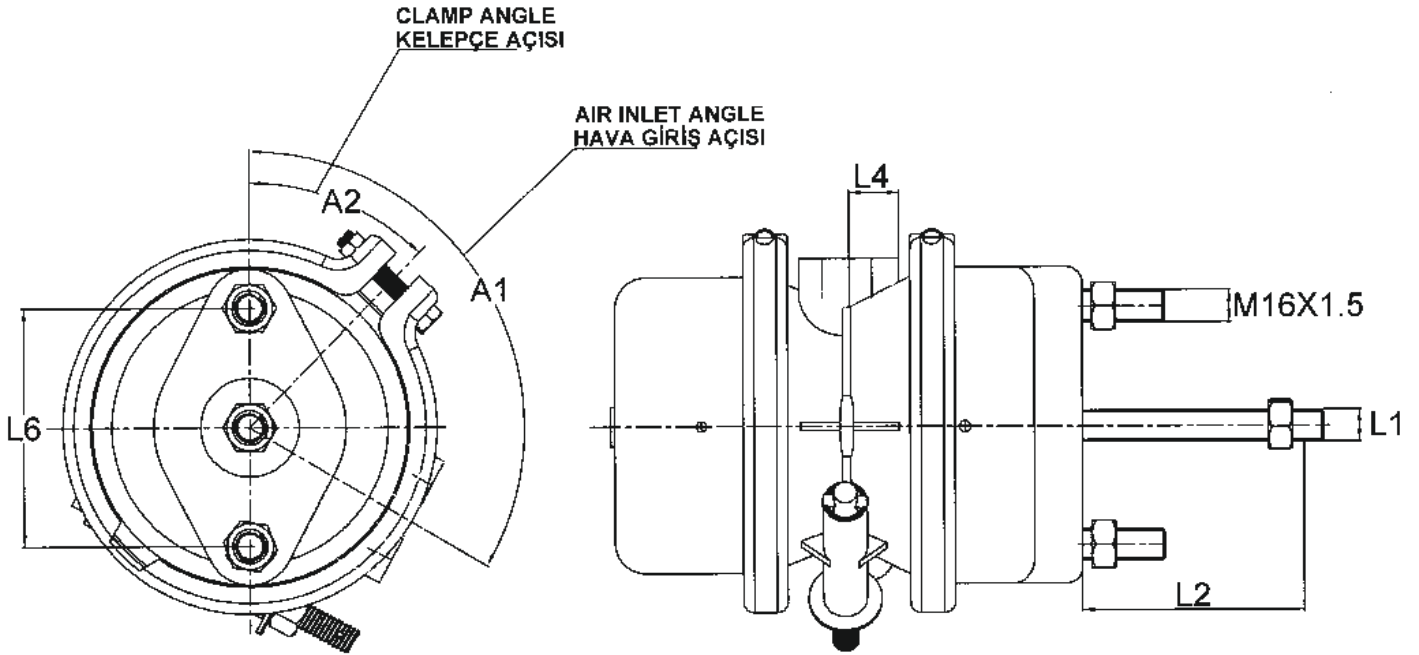
KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT		FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2	L3	L4	
BS0012 30003	AA.10098			93CT2025EB FORD	1	1 3/4-12UNS	148	M16X1,5	M16X1,5	–
BS0012 30004	AA.10098.0			93CT2025FA FORD	1	1 3/4-12UNS	163	M16X1,5	M16X1,5	–
BS0012 30005	AA.10098.1				1	M48X1,5	174	M16X1,5	M16X1,5	–
BS0012 30006	AA.10098.3				1	1 3/4-12UNS	138	M16X1,5	M16X1,5	–
BS0012 30007	AA.10098.7	423 143 2000	EF120FY	4835038 IVECO	1	M48X2	187	–	M16X1,5	–
BS0012 30008		423 070 1200			2	–	194	–	M16X1,5	✓

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

16/24

DD



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

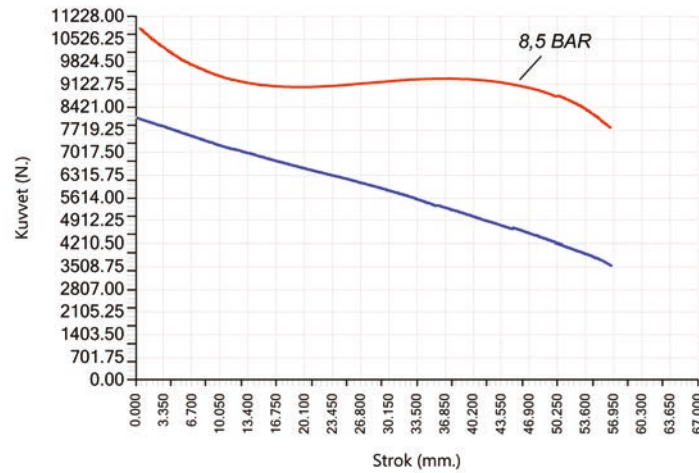
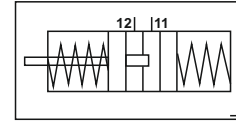
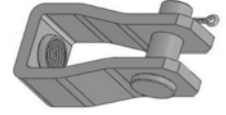


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



10140.0

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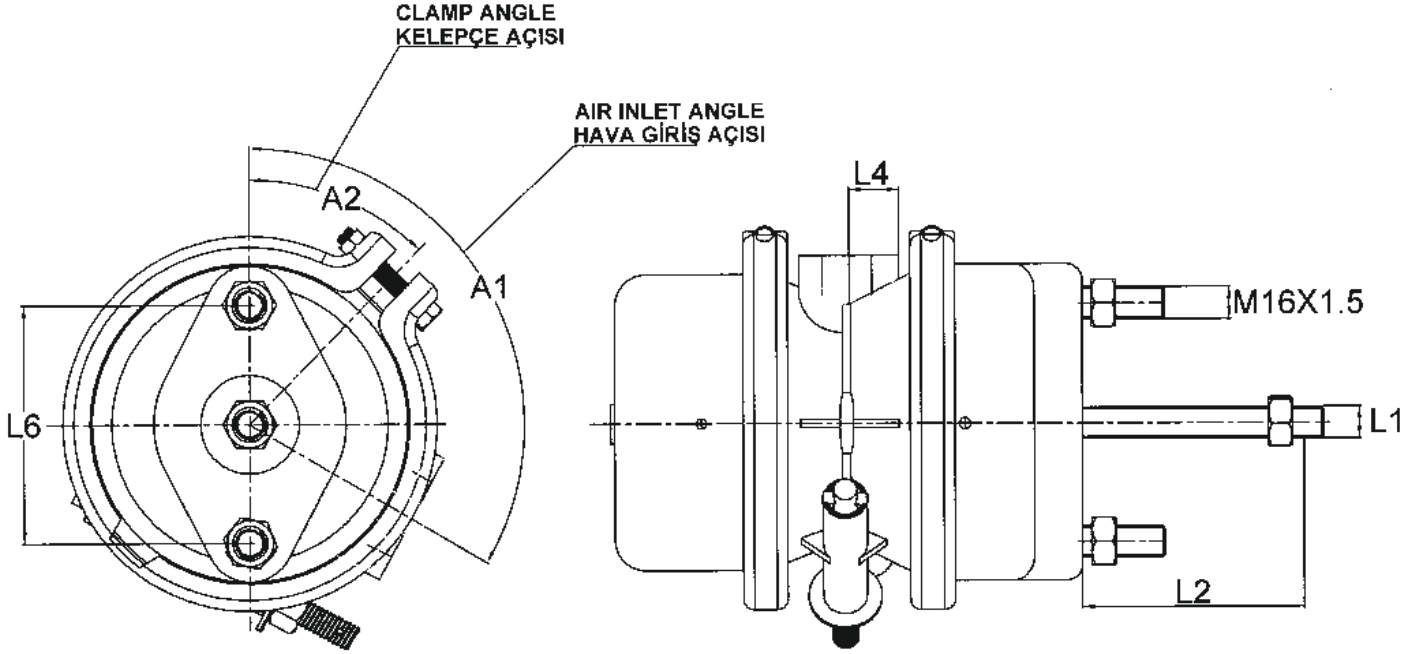
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BD1624 10201	AA.10105					1	M16X1,5	180	3/8-18NPTF	-	10140.0
BD1624 10202	AA.10105.3					1	M16X1,5	200	M16X1,5	✓	10140.0

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DD



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

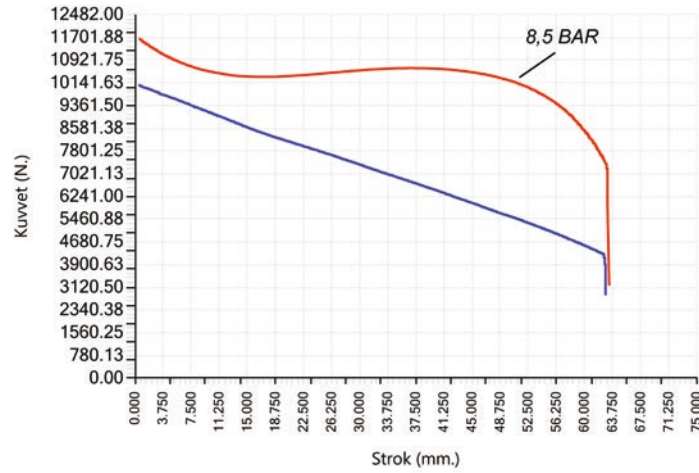
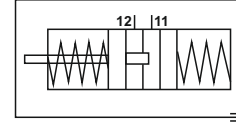
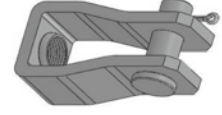


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

20/24 / DD

DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM

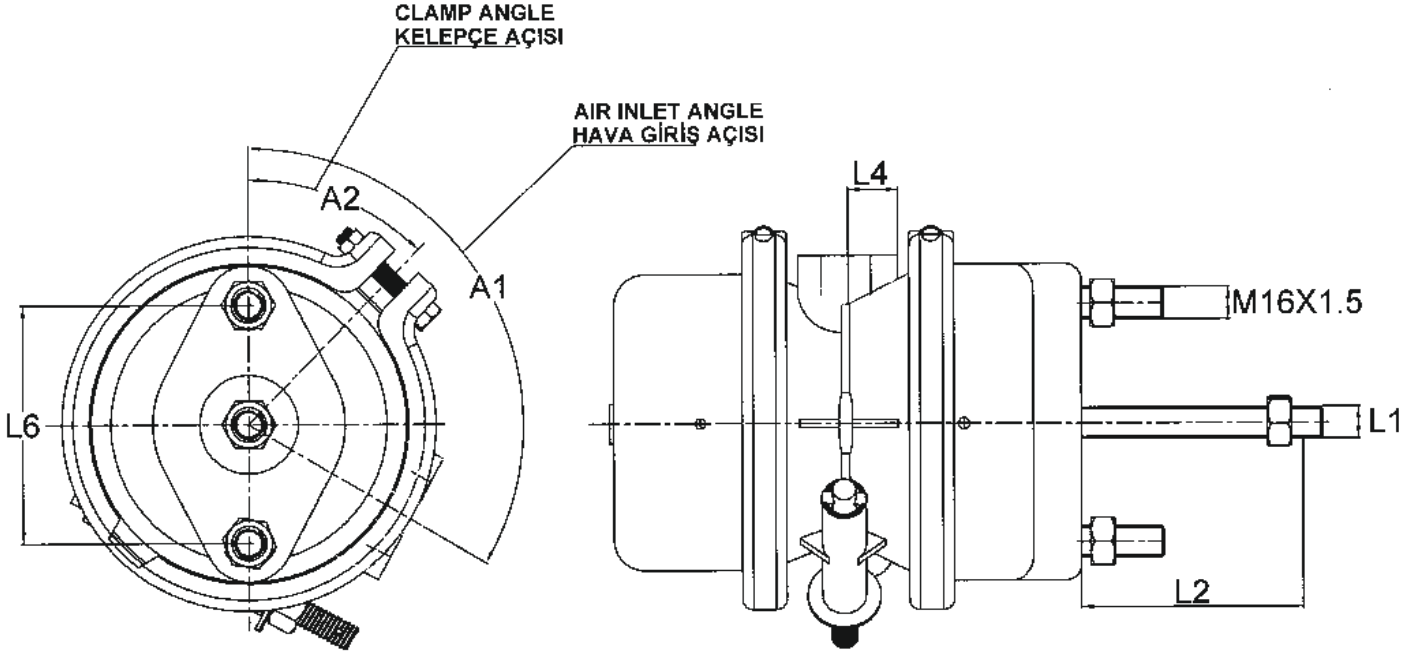


10140.0

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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BD2024 10203	KNC.AA.10117					1	M16X1,5	203	M16X1,5	✓	10140.0



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min

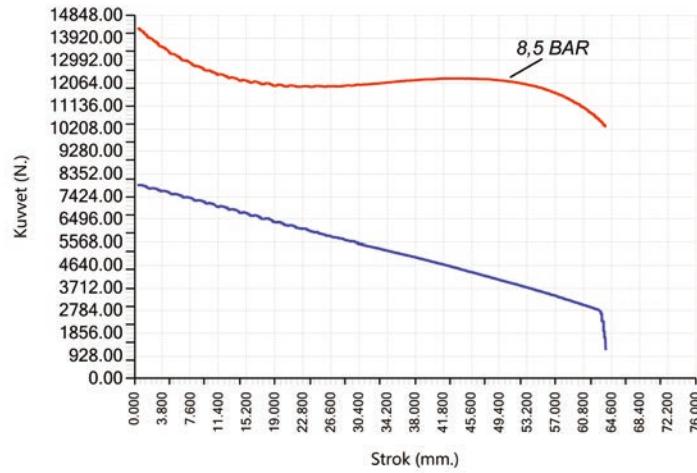
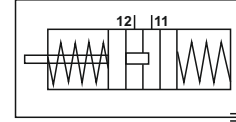


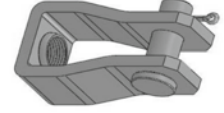
FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DD

DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM

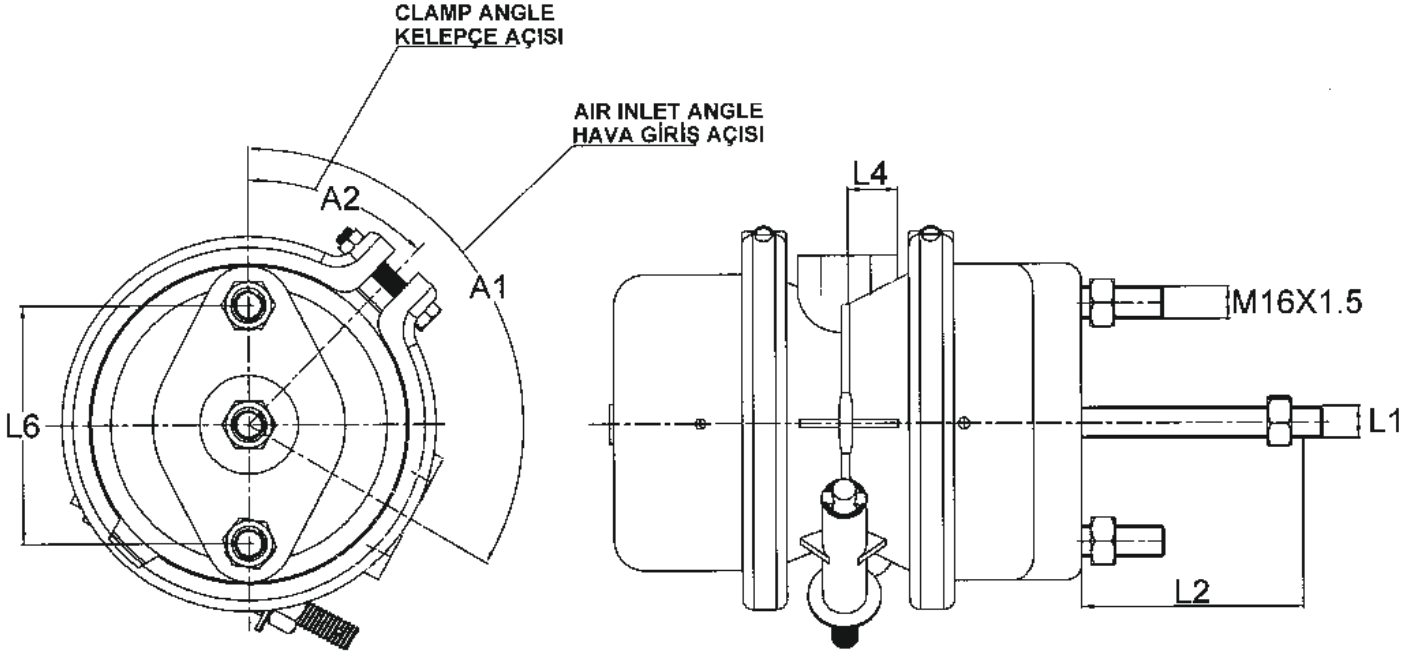


10140.0

STROKE 64/64

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BD2424 10204	AA.10116					1	M16X1,5	180	3/8-18NPTF	✓	10140.0
BD2424 10205	AA.10116.6					1	M16X1,5	210	M16X1,5	✓	10140.0



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

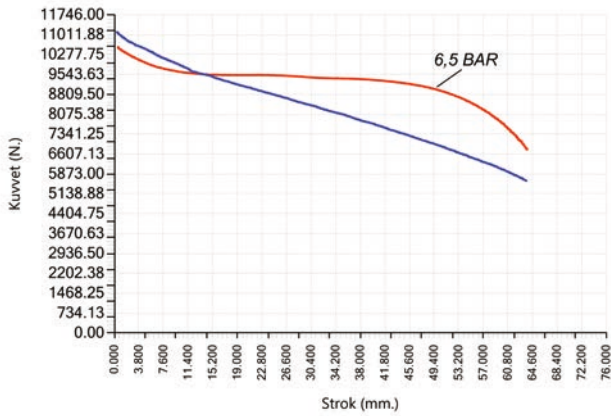
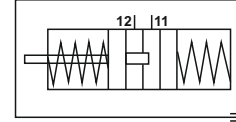


FIG. 1

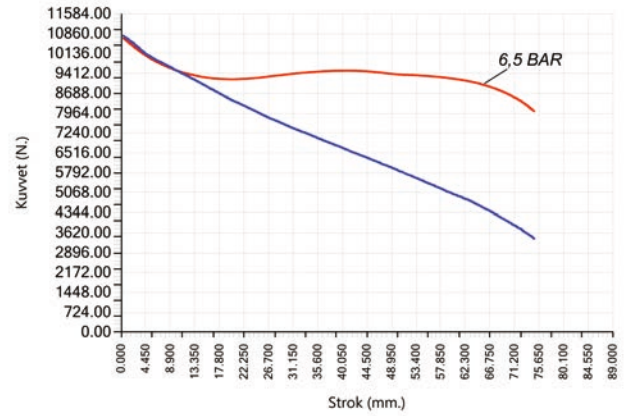


FIG. 2

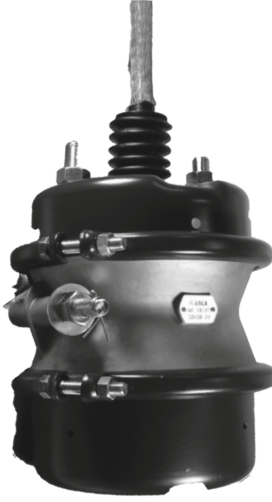
S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

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DD

DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



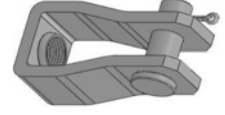
STROKE 64/64

FIG. 1



STROKE 75/75

FIG. 2



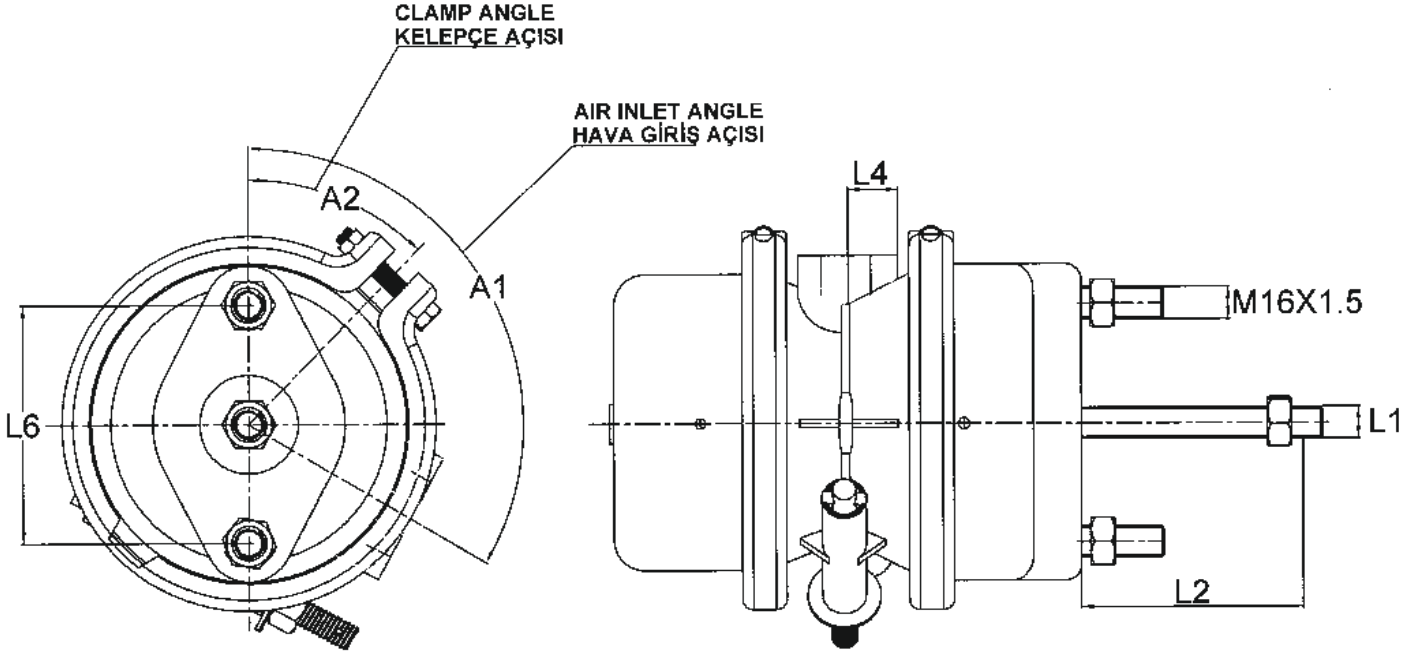
10140.0

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BD2430 10206	AA.10104					1	M16X1,5	36	3/8-18NPTF	-	-
BD2430 10207	AA.10104.1					1	M16X1,5	170	M16X1,5	✓	10140.0
BD2430 10208	AA.10104.3	925 376 2000 925 376 0050 925 361 1000		BX7514 BX7518	0883547 DAF 0879098 DAF 1506381 DAF 5021170324 RENAULT	1	M16X1,5	225	M16X1,5	-	-
BD2430 10209	AA.10113.0	925 371 3090 925 376 0030 925 376 1030			0879096 DAF	2	M16X1,5	170	M16X1,5	-	10140.0
BD2430 10210	AA.10113.15					2	M16X1,5	160	M16X1,5	-	10140.0
BD2430 10211	AA.10113.16					2	M16X1,5	140	M16X1,5	-	10140.0
BD2430 10212	AA.10113					2	M16X1,5	36	3/8-18NPTF	✓	-
BD2430 10213	AA.10113.1					2	M16X1,5	170	M16X1,5	✓	10140.0
BD2430 10214	AA.10113.2	925 376 1020			0883026 DAF 883026 DAF	2	M16X1,5	215	M16X1,5	-	10140.0
BD2430 10215	AA.10113.3	925 376 1070				2	M16X1,5	64	M16X1,5	✓	10140.0
BD2430 10216	AA.10113.8 AA.10113.14	925 371 2000 925 371 3000 925 376 0000 925 376 1000		BX7523 BX7515	1325352 DAF 0544420010 BPW 0544420040 BPW 0544420100 BPW 0544420110 BPW 0203273900 BPW 5021170326 RENAULT	2	M16X1,5	215	M16X1,5	-	-
BD2430 10217	AA.10113.9 AA.10113.11	925 376 1060			0883545 DAF WA9253761060 VOLVO 1935390 SCANIA	2	M16X1,5	210	M16X1,5	-	10140.0

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DD



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

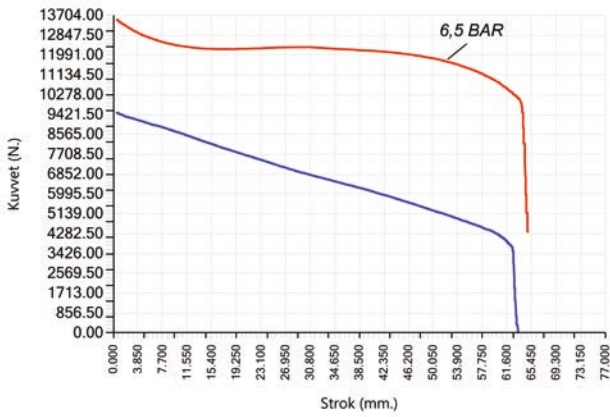
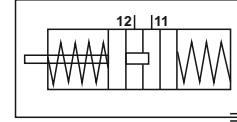


FIG. 1

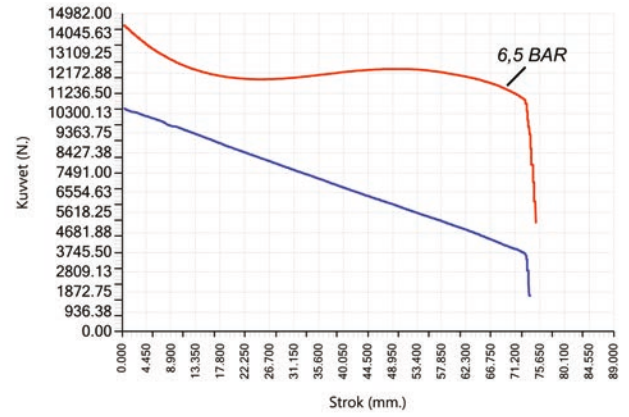


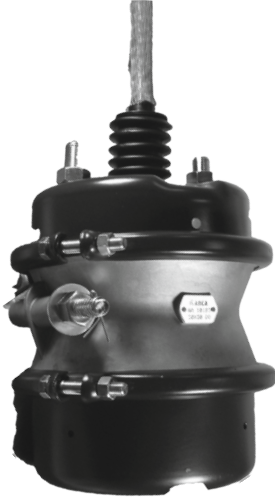
FIG. 2

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

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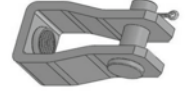
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DIAPHRAGM / DIAPHRAGM



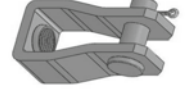
STROKE 64/64
FIG. 1



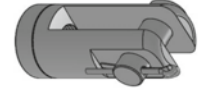
STROKE 75/75
FIG. 2



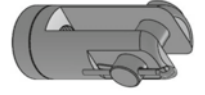
10140.0



10140.1

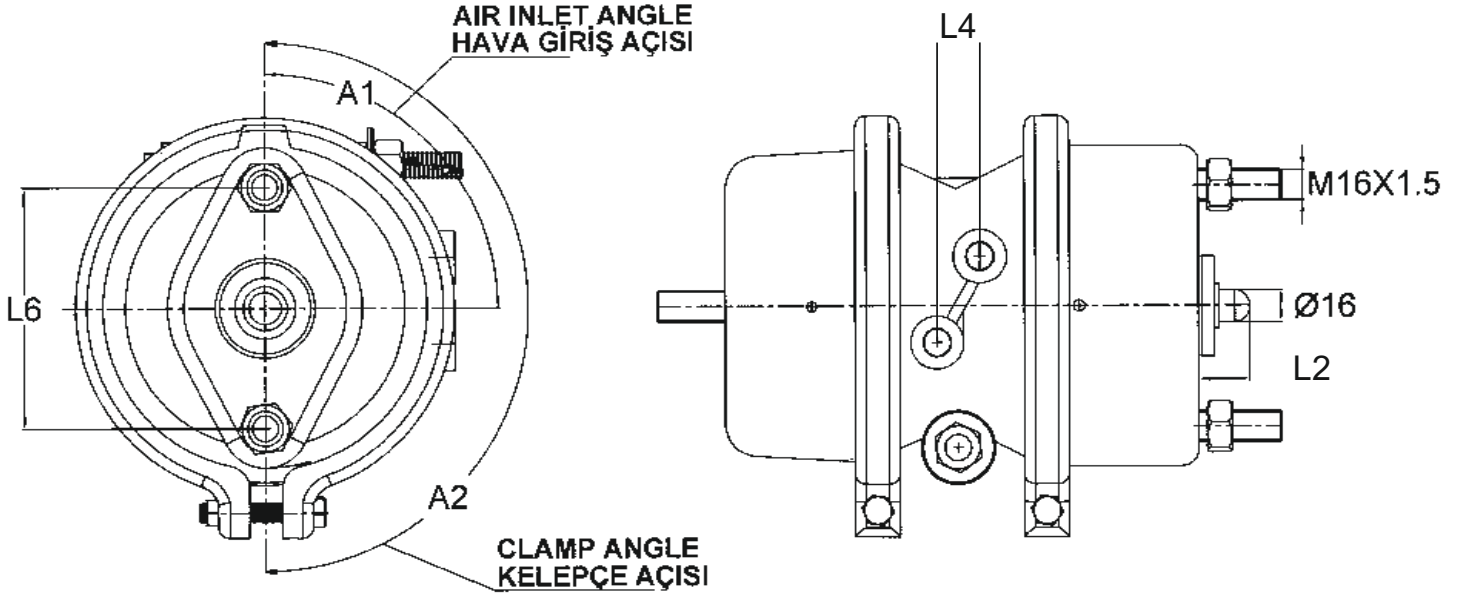


10141.0



10141.3

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BD3030 10218	AA.10103.5					1	M16X1,5	310	M16X1,5	✓	-
BD3030 10219	AA.10103.7				DONFENG HOWO	1	M16X1,5	185	M16X1,5	✓	10140.0
BD3030 10220	AA.10103					1	M16X1,5	185	3/8NPTF	-	10140.1
BD3030 10221	AA.10103.16					1	M16X1,5	165	M16X1,5	-	10140.0
BD3030 10222	AA.10103.17					1	M16X1,5	32	M16X1,5	-	10141.3
BD3030 10223	AA.10103.18					1	M16X1,5	210	M16X1,5	-	10141.0
BD3030 10224	AA.10103.11	925 362 1000 925 377 0020 925 377 2000			1519143 DAF 0883549 DAF 883549 DAF 5021170325 RENAULT	1	M16X1,5	225	M16X1,5	-	-
BD3030 10225	AA.10114.14					2	M16X1,5	180	M16X1,5	-	10140.0
BD3030 10226	AA.10114					2	M16X1,5	185	3/8-18 NPTF	✓	10140.0
BD3030 10227	AA.10114.1	925 372 2000 925 372 3000 925 377 0000 925 377 1000			0883258 DAF 883258 DAF 0879099 DAF 879099 DAF WA9253771000 VOLVO 1738483 SCANIA 0544421040 BPW 0544421110 BPW 4454105800 SAF	2	M16X1,5	215	M16X1,5	-	10140.0
BD3030 10228	AA.10114.8					2	M16X1,5	185	M16X1,5	-	10140.0
BD3030 10229	AA.10114.13 AA.10114.4					2	M16X1,5	170	M16X1,5	-	10140.0



Type / Tip	D / D	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

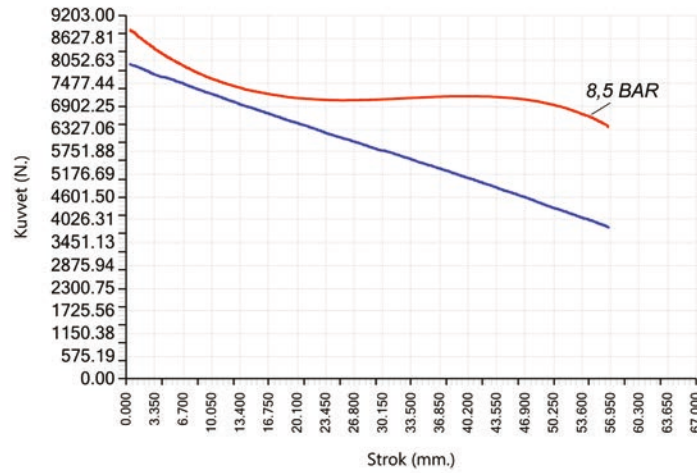
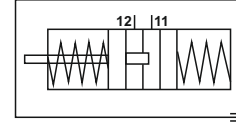


FIG. 1

DİSK FREN KÖRÜĞÜ
DISC BRAKE CHAMBER

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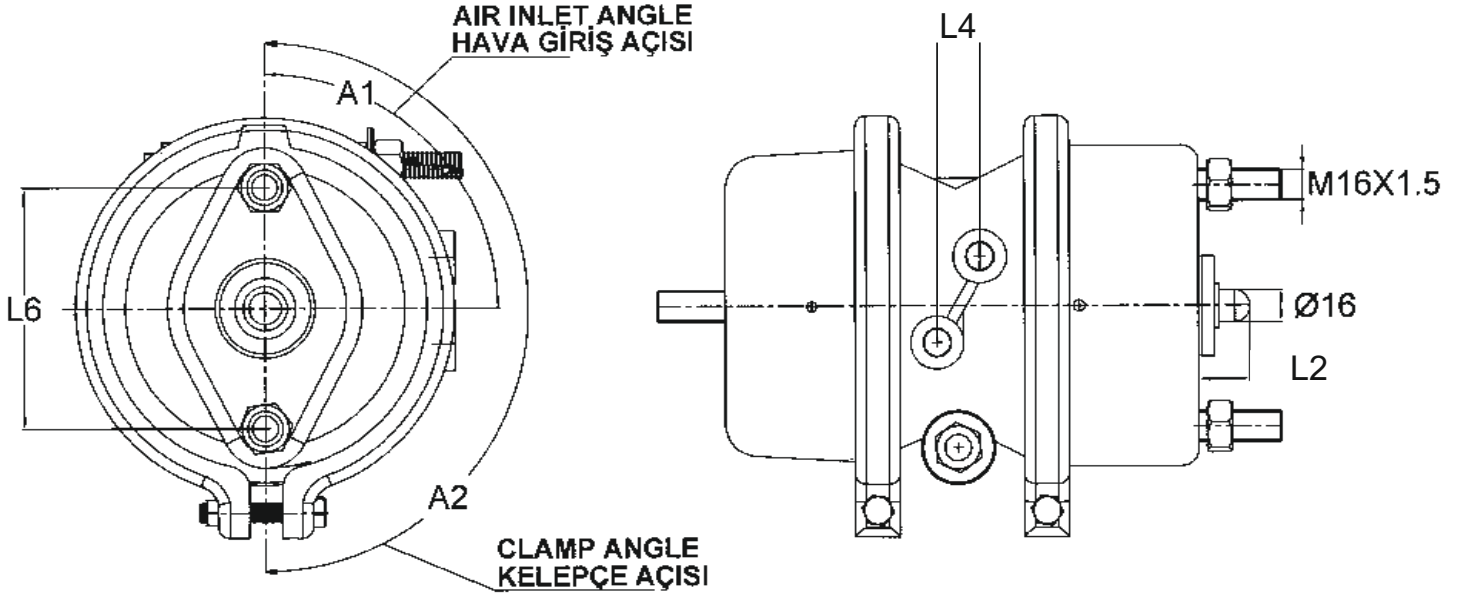
DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BD1424 20201	AA.10081					1	15	L4 M16X1,5



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

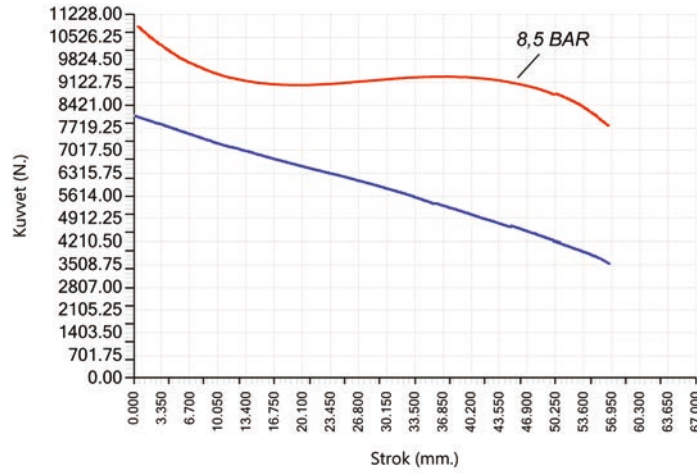
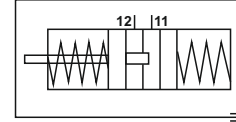


FIG. 1

DİSK FREN KÖRÜĞÜ DISC BRAKE CHAMBER

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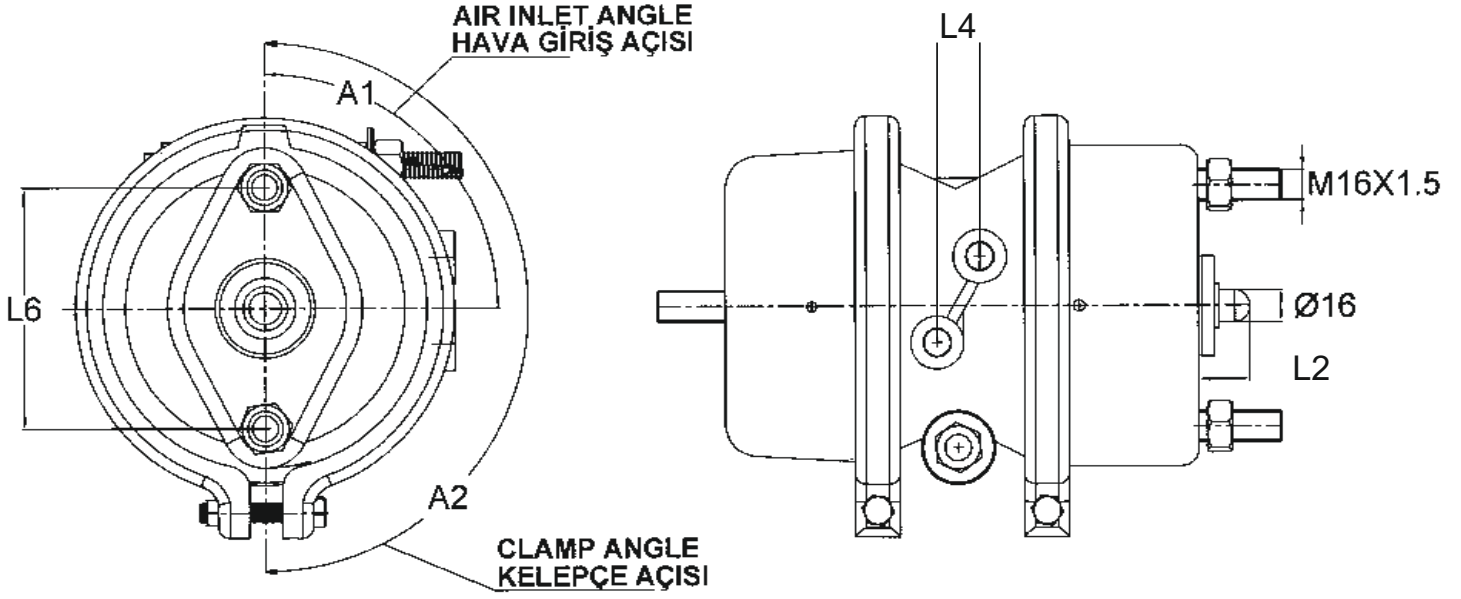
DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BD1624 20202	AA.10077.3	925 384 0010		BS7304	0544440010 BPW	1	15	M16X1,5
	AA.10077.4	925 384 0100		BS7305	0544440020 BPW			
				BS7309	4454107730 SAF			
				BS7310	4454107630 SAF			
					4454107230 SAF			
					1351624004 HALDEX			
BD1624 20203	AA.10077.5	925 384 0110				1	15	M16X1,5
BD1624 20204		925 384 0120				1	15	M16X1,5
BD1624 20205	AA.10077.1	925 384 0130				1	15	M16X1,5
BD1624 20206		925 384 0140				1	15	M16X1,5



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

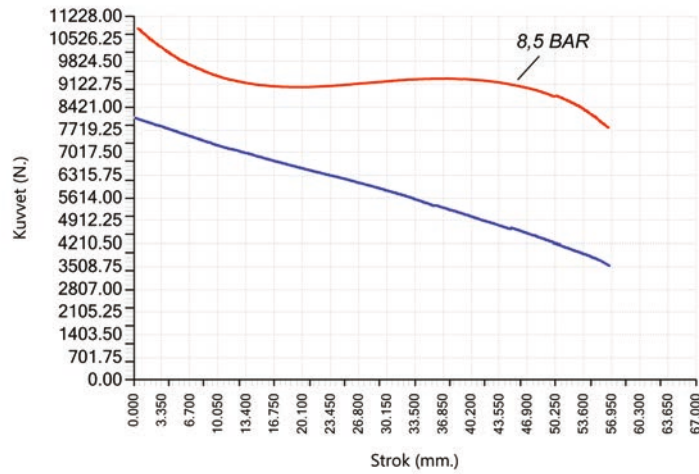
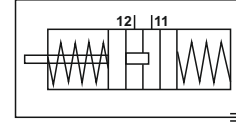


FIG. 1

DİSK FREN KÖRÜĞÜ
DISC BRAKE CHAMBER

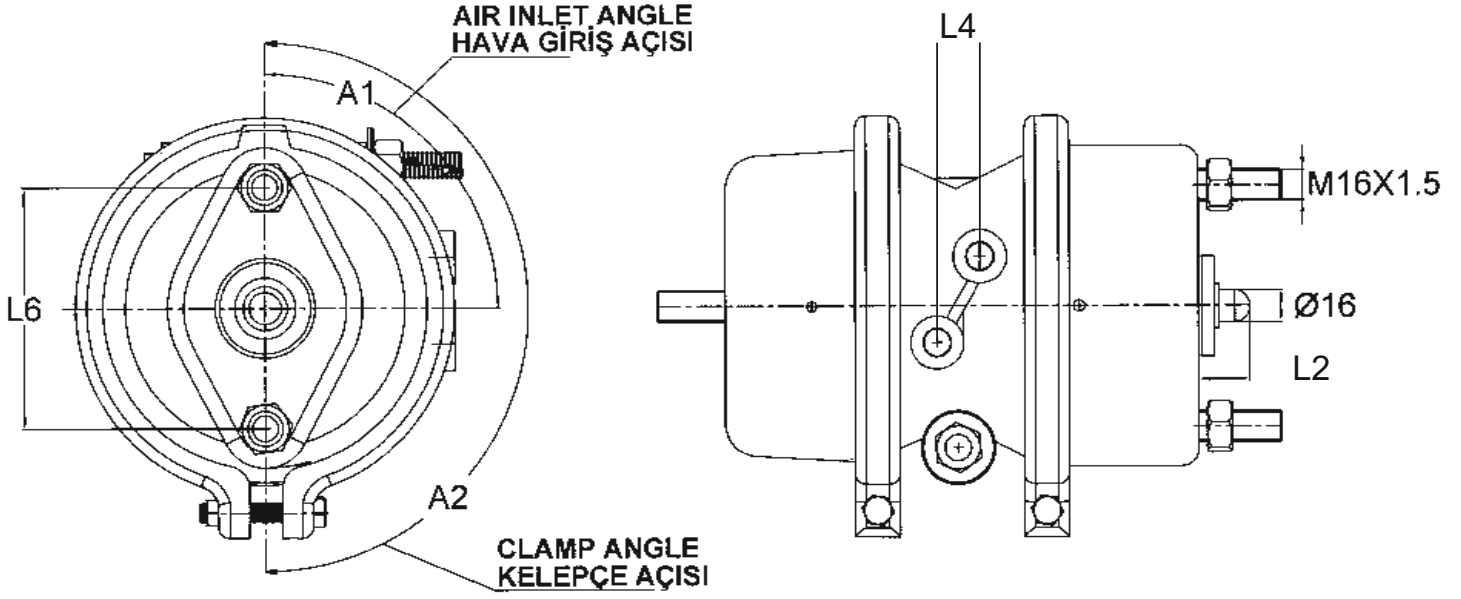
18/24 / DD

DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BD1824 20207		925 473 0020				1	15	M16X1,5
BD1824 20208		925 473 0010				1	15	M16X1,5
BD1824 20209		925 473 0090				1	15	M16X1,5



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

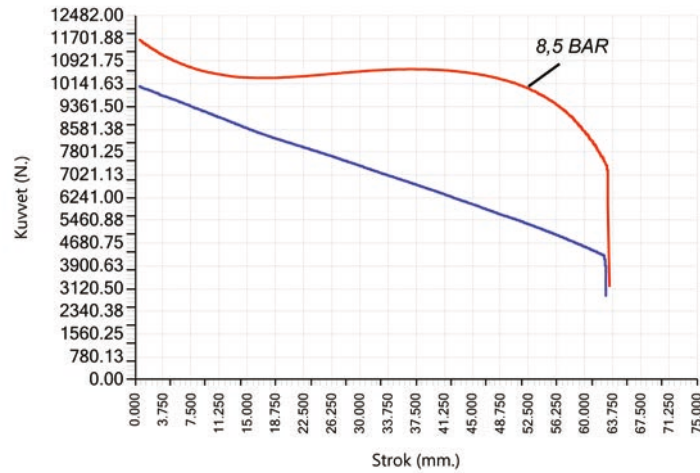
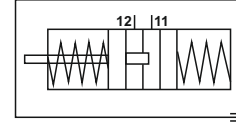


FIG. 1

DİSK FREN KÖRÜĞÜ
DISC BRAKE CHAMBER

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DD

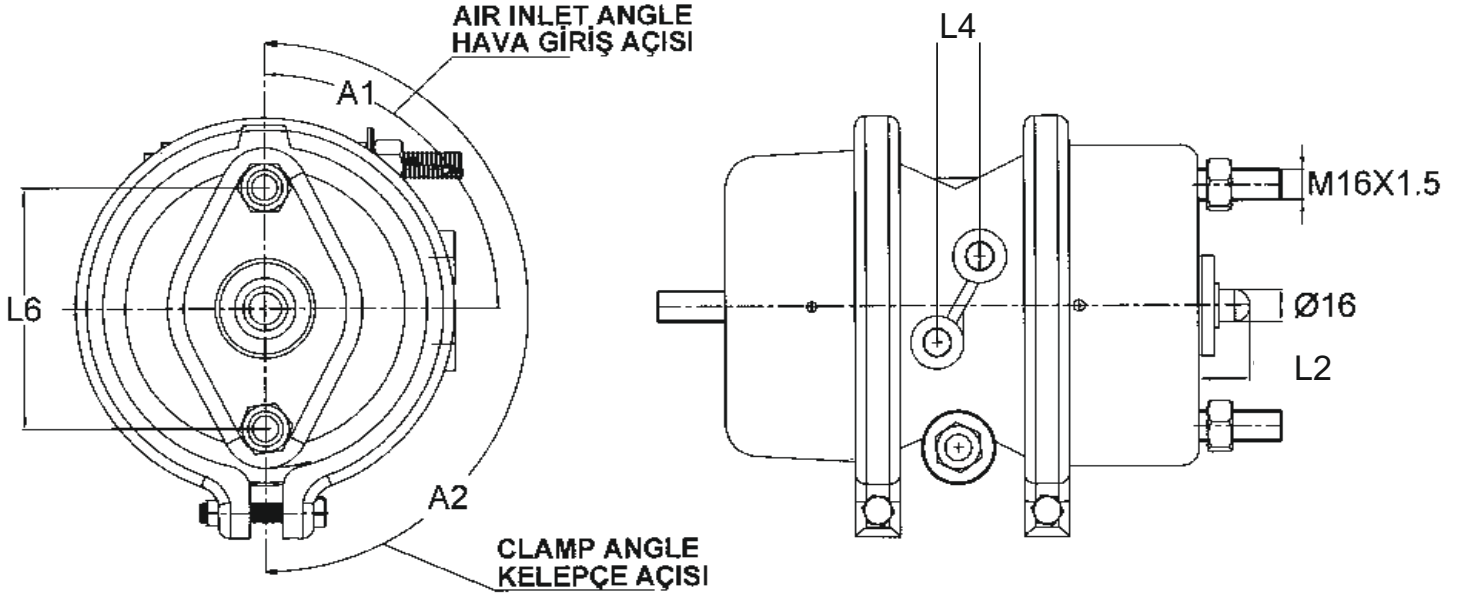
DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM



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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BD2024 20210	AA.10078					1	15	M16X1,5
BD2024 20211	AA.10078.1	925 380 1010 925 470 0000 925 470 0010		BS7400 BS7401 BS7402 BS7403	0544444010 BPW 0544444020 BPW 4454107830 SAF 4454107930 SAF 1352024003 HALDEX 1352024004 HAKDEX	1	15	M16X1,5



Type / Tip	D / D
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

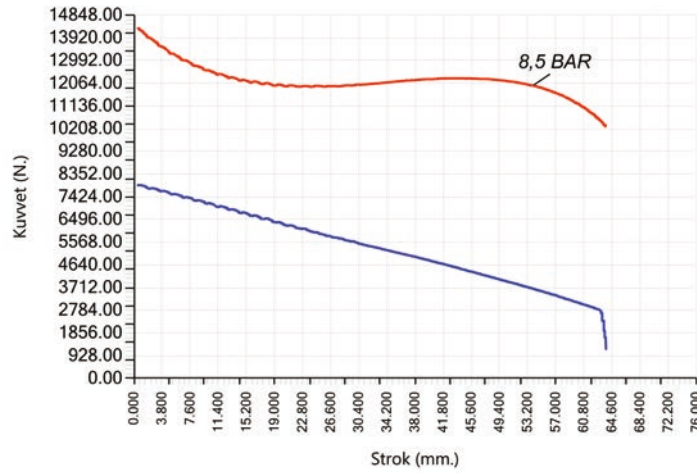
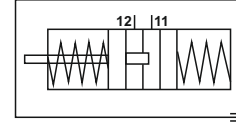


FIG. 1

DİSK FREN KÖRÜĞÜ
DISC BRAKE CHAMBER

24/24 / DD

DİYAFRAM / DİYAFRAM
DIAPHRAGM / DIAPHRAGM

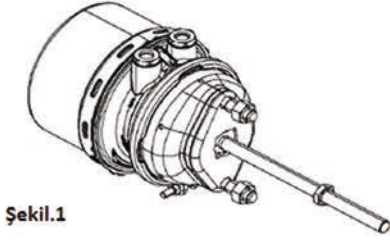


STROKE 64/64
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BD2424 20212	AA.10079					1	15	M16X1,5

İçten Nefeslikli Fren Körüğü Montaj Talimatı

1 - Üniversal Tip Fren Körüğü



Şekil.1

Otomotiv sanayiinde montaj süreleri çok önemlidir, bu yüzden her araçta kullanılan fren körüğünün bağlantı detayları herhangi bir ek ayarlama ihtiyacı gerektirmemelidir. Bu ihtiyacı karşılamak için birçok farklı kombinasyonda S-Cam fren körüğü üretilmektedir.

KANCA, stok miktarlarını azaltmak için, herhangi bir teknisyenin müdahalesi ile ihtiyaca cevap verebilecek üniversal tip fren körüğü de üretmektedir. Bu şekilde hem yüksek miktarlarda stok tutmaya ihtiyaç olmayacak hem de müşterinin ihtiyacı daha hızlı şekilde karşılanacaktır.

2 - Değişim esnasında aşağıdaki noktalara dikkat edilmelidir :

- Kelepçenin yönü
- Hava girişlerinin yönü
- Tahliye deliklerinin pozisyonu
- Hava girişlerinin dış ölçüsü M16X1,5 veya M22X1,5 ' dir
- İtme milinin boyu, vb.

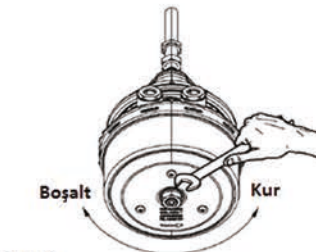
Araçtan sökülecek arızalı fren körüğü ile takılacak üniversal tip fren körüğü yukarıdaki noktalar açısından karşılaştırılmalıdır. Gerekli değişiklikleri yaparken aşağıdaki talimatlara uyunuz.

Üniversal tip fren körüğünün itme mili üzerinde bulunan koruyucu toz körüğünün boyu, çalışma esnasında hasar görmemesi için çok fazla kısaltılmamalıdır. Fren körüğünün alın yüzeyi ile çatal delik merkezi arasındaki mesafenin en az 82mm olmasına dikkat ediniz.

Orijinal dıştan nefeslikli fren körüklerinin yerine üniversal tip içten nefeslikli fren körükleri kullanılabilir.

Uygulama

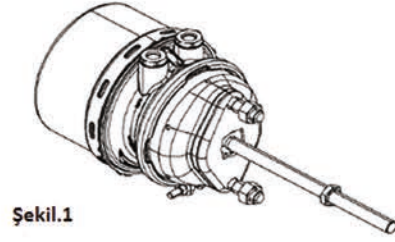
1. Fren körüğünü araçtan manuel olarak sökünüz
 - Çektirme vidasını "Boşaltma" yönüne doğru saat yönünde sonuna kadar çevirin(Şekil 3).



Şekil.3

Installation Instructions for Internal Breathing Brake Chambers

1. Universal Brake Chambers



Şekil.1

Automotive manufacturing demands short assembly times, therefore every vehicle model has its own Brake Chamber which can be installed without any need for adaption. To answer the needs of all the vehicle manufacturer supplies about many different variants of the cam brake type alone.

A universal brake chamber offered simplifies warehousing & enables a qualified mechanic to make the necessary changes to the springbrake. This demonstrates that keeping stock of Universal Brake Chamber permits most repairs to be completed quickly, saving the need for holding a large stock of the parts and also ensuring that customers needs are met without delay.

2. Replacements need to be correct with regard to the following points:

- Position of the clamp band
- Position of the threaded ports
- Position of the respiration tube
- Position of the drain port
- The teeth of the air ports is M16X1,5 or M22X1,5
- Length of piston rod etc.

Check these points and compare the broken original with the universal type. To make any adaptations as necessary, follow the instructions below.

The piston rod of a universal cylinder which has bellows sealing must not be shortened too much this avoids the bellows being damaged during operation. Leave a minimum gap of 82 mm between the flange surface and the centre of the yoke bore hole.

Original equipment cylinders with external tube can be replaced with IBV models.

Procedure

1. Manually detach the cylinder from the vehicle
 - Turn the releasing screw counter clockwise all the way towards the "Release" mark (see fig. 3).

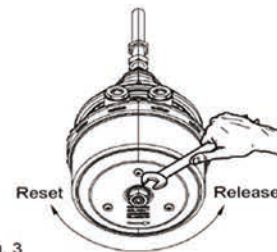


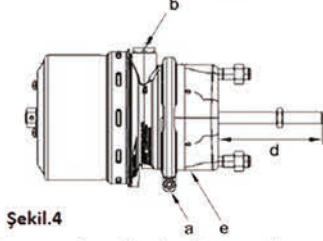
Fig. 3

2. Fren Körüğünün yerinden çıkarılması
 - Tüm hava hatlarındaki basıncı düşürün
 - Hava girişlerini ve çatalı sökün
 - Bağlantı somunlarını sökün
 - Fren körüğünü yerinden alın

UYARI : Yaralanma tehlikesi

Fren körüğü yerinden sökülürken düşürülmemesine özen gösterilmelidir.

3. Üniversal Fren Körüğünün Adaptasyonu

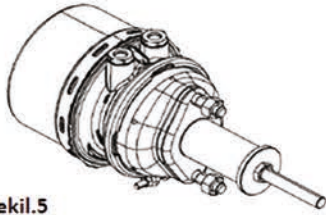


Şekil.4

- a= Kelepçenin yönünü ayarlayın
 b= Hava girişlerinin yönünü ayarlayın
 c= Hava girişlerinin dış ölçüsünü ayarlayın
 d= İtme milinin boyunu ayarlayın
 e= Tahliye deliklerinin pozisyonunu ayarlayın

(Şekil 4' e bakın)

Fren körüğünün kelepçe yönü ve hava girişleri ayarlanırken üst kapağın yerleştirilmesinde aşağıdaki husus dikkate alınmalıdır :



Şekil.5

- Kelepçeyi sökmeden önce, itme milini 3-5 mm çekerek, uygun boyda bir boru, pul ve somun yardımı ile diyaframı rahatlatın (Şekil 5)
- İtme mili üzerindeki toz körüğünün hasar görmesini engelleyin. Kullanılacak boru boyu toz körüğünün boyuna uygun olmalıdır.
- Kelepçeyi sökün.
- Fren körüğünün üst kapağını alın.

Kelepçenin yönünü değiştirirken diyaframın tekrar düzgün yerleştirildiğinden emin olun.

- Fren körüğünün üst kapağını yerleştirin.

Diyaframın hem alttan hem üstten düzgün oturduğuna dikkat edilmelidir. Diyaframa gres veya başka herhangi bir yağ sürülmemelidir, diyaframa kalıcı hasar verebilir.

- Kelepçeyi plastik çekiç yardımı ile yerine oturtabilirsiniz. Kelepçenin oturma boşluğu tüm çevrede eşit olmalıdır.

- Kelepçenin sıkma civatasını ilk olarak $25,5 \pm 2,5$ Nm. tork ile sıkınız.

- Sızdırmazlık testinden sonra sıkma torku min. 14 Nm olmalıdır.

- İtme milinin boyunu istenen boyda kesiniz (Şekil 6).

2. Removing a Brake Chamber
 - Relieve all pressure from the lines (set hand brake).
 - Loosen the ports and yoke.
 - Remove fastening nuts.
 - Remove brake chamber

CAUTION

Danger of injury.

Secure the cylinder to prevent it from rolling and dropping off the workbench.

3. Adapting a Brake Chamber

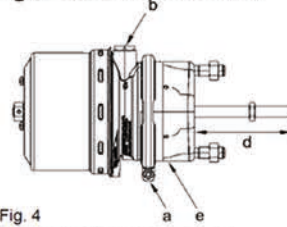


Fig. 4

- a = Position of clamp band.
 b = Position of the the threaded ports
 c = Adjust what the teeth of the air ports should be
 d = Length of piston rod
 e = Position of the drain port

(see fig. 4).

When changing the position of a cylinder cover relative to the cylinder, the following must be observed:

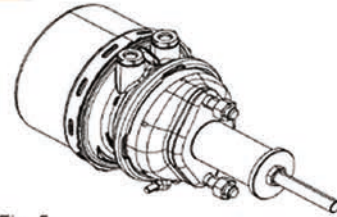


Fig. 5

Relieve diaphragm, for this purpose withdraw piston rod approx. 3-5 mm and hold using suitable equipment (e.g. tube, washer and hexagon nut (see fig. 5)).

Avoid damage to bellows. Tube must fit over bellows.

- Remove clamp band.
- Lift cylinder cover.
- When changing position of clamp band opening, align diaphragm accordingly.

Clamp band opening should again correspond with the indents on the diaphragm from the original position.

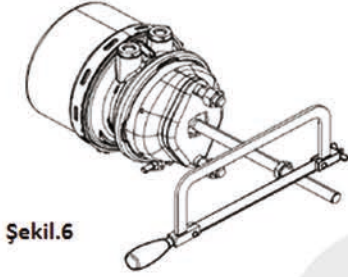
- Replace cylinder cover at the correct position.

Diaphragm must not be subjected to distortions.

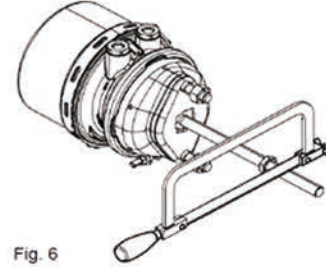
Do not use substances containing grease or oil on the diaphragm because this may cause permanent damage.

- Use a hand-lever press to lightly press the cylinder cover against the cylinder so that the clamp band can be mounted in the correct position. To avoid damage to the cylinder, use suitable equipment. The clamp band must not be used to press the cover and cylinder together.

- Fren körüğünün üst kapağını el kumandalı bir pres yardımı ile bastırarak kelepçeyi uygun bir şekilde sıkma pozisyonuna getiriniz. Kelepçe üst tas ve alt tası birlikte kavraması için desteksiz zorlanmamalıdır.
- Kelepçeyi plastik çekiç yardımı ile yerine oturtabilirsiniz. Kelepçenin oturma boşluğu tüm çevrede eşit olmalıdır.
- Kelepçenin sıkma cıvatasını ilk olarak $25,5 \pm 2,5$ Nm. tork ile sıkınız.
- Sızdırmazlık testinden sonra sıkma torku min. 14 Nm olmalıdır.
- İtme milinin boyunu istenen boyda kesiniz (şekil 6).



- Align the clamp band with the help of a plastic hammer. Check for smooth placement of the diaphragm. Clamp band and cover should have a uniform gap width.
- For initial assembly, tighten the hexagon screw with a tightening torque of $M = 25.5 \pm 2.5$ Nm.
- After the leak test, check the tightening torque $M \geq 14$ Nm.
- Cut the piston rod to correct length (see fig. 6).



Fren körünü mengene ile sıkıştırmayın. Fren körüğünün $90^\circ - 270^\circ$ arasında alt kısmında bulunan tahliye delikleri açık olmalıdır. Fren körüklerinin hava girişleri, adaptör yardımı ile hem M16X1,5 hem de M22X1,5 diş ölçüsüne ayarlanabilir. Adaptör çıkarılırsa M22X1,5 diş ölçüsü elde edilir.

4. Fren Körüğünün Montajı

- Araca montaj esnasında yaylı rondela kullanmayın.
- Fren körüğünün dingil üzerine bağlandığı plakanın yüzeyinin düzgün ve pürüzsüz olduğundan emin olun.
- Fren körüğünü bağlantı plakasına yerleştirin.
- Bağlantı somunlarını 190 - 210 Nm torkla sıkın.
- Fren çatalını cırcıra bağlantı pimi yardımı ile bağlayın.
- Fren körüğünün imdat bölümü hava girişini bağlayın.

Fren körüğünün imdat kısmına(12) hava verdikten sonra bağlantıları kontrol edin, servis hava girişinden(11) hava kaçağı olmamalıdır.

- Fren körüğünün servis bölümünün hava girişini bağlayın.
- Çektirme vidasını şekilde görüldüğü gibi saat yönünün tersine sonuna kadar çevirin ve 25-45 Nm torkla sıkın.

5. Fren körüğünün testi

- Fren körüğünün servis ve imdat bölümüne defalarca hava vererek kaçak olup olmadığını kontrol edin, özellikle bağlantılardan ve kelepçeden kaçak olup olmadığını kontrol edin.
- İtme milinin çalışırken merkez ekseninden $\pm 3^\circ$ ' den fazla sapmadığından emin olun.
- İtme milinin boyunu kontrol edin. Cırcır kolunun pozisyonu, max strok boyunun yarısında 90° ise, itme milinin boyu doğrudur (şekil 7).

Do not clamp the cylinder in a vice. In the lower section between $90^\circ - 270^\circ$ the drain ports must remain open. The teeth of the air ports could be adjusted whether M16X1,5 or M22X1,5 with help of an adaptor. If the adaptor is removed means that the teeth of the air ports is M22X1,5.

4. Installing a Brake Chamber

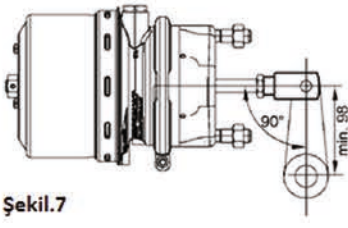
- Install according to the Vehicle Manufacturers instructions. Do not use spring wash washers.
- Check the mounting bracket on the axle for cracks.
- Put on the new Brake Chamber.
- Tighten fastening nuts with a tightening torque of $M = 210 - 30$ Nm.
- Attach yoke to slack adjuster using a bolt and splint.
- Connect line to port 12.

Charge spring brake cylinder (port 12) and check for tightness, ensure that no air escapes from port 11.

- Connect line to port 11.
- Screw down release screw all the way (towards Reset mark) and tighten at $M = 25 + 20$ Nm.

5. Testing

- Actuate the Brake Chamber (hand brake and service brake) several times and check for leaks, especially at the connectors and the entire circumference of the clamp band.
- Check deflection of the piston rod, a 3° deflection relative to the mid axis of the cylinder in every direction must not be exceeded.
- Check the length of the piston rod. The length of the piston rod is correct if the slack adjuster is at the 90° position after half of the max. stroke (fig. 7).



Şekil.7

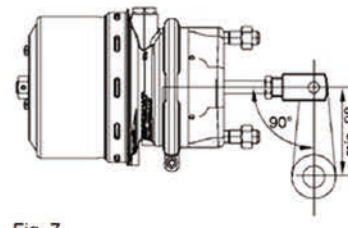


Fig. 7

Fren körüğü boшта iken (frenlemede değil) itme mili tam olarak geri çekilmiş olmalıdır ve üzerinde herhangi bir yük olmamalıdır.

Aynı dingil üzerindeki fren körükleri birlikte değiştirilmelidir.

Fren körükleri imdat bölümü kullanıldıkça güçte azalma olabilir ve bu durum aynı dingil üzerinde dengesiz frenlemeye sebebiyet verebilir.

The piston of the Brake Chamber must be retracted completely while the brake is not actuated and must not be preloaded.

Replace all Brake Chambers of the same axle together! If the cylinders are older, the spring forces of the spring-loaded portion may weaken, with uneven brake action as a result.

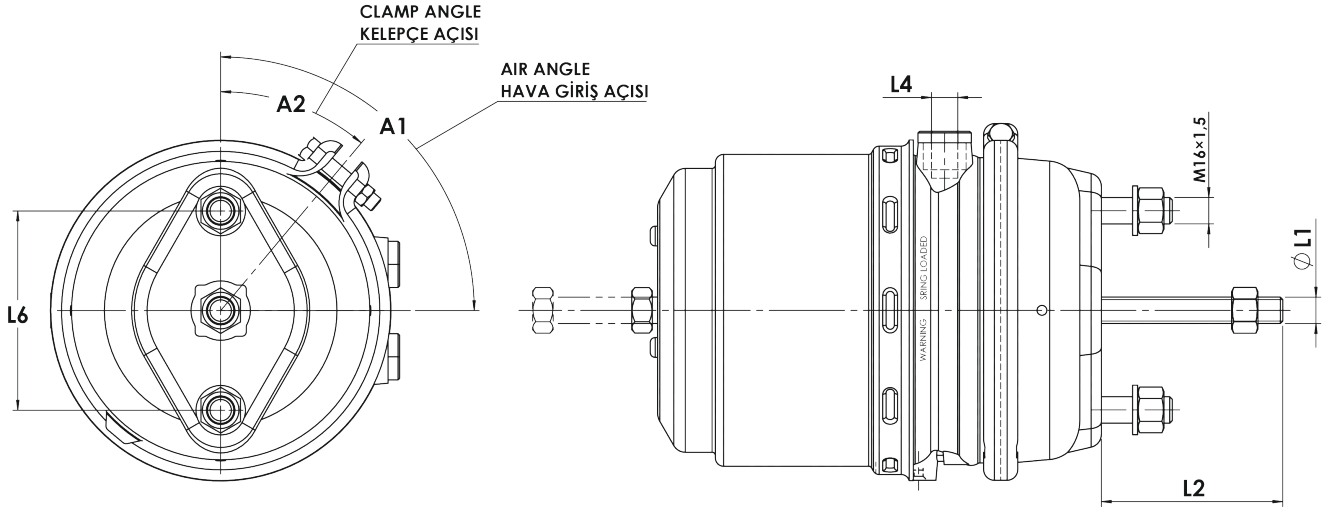


Kanca

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

12/4800 / DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

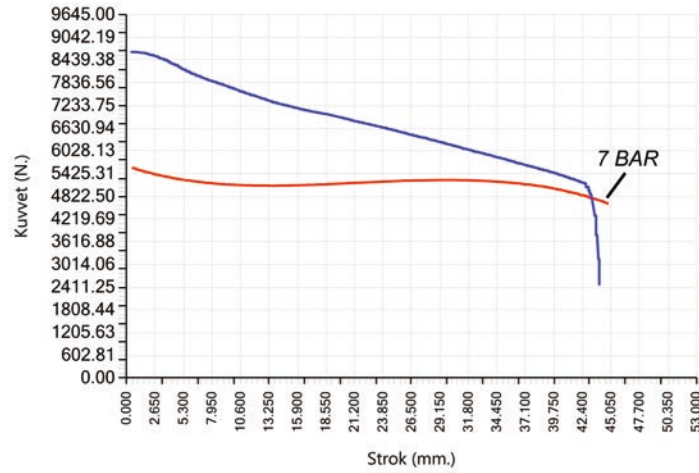
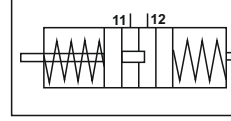
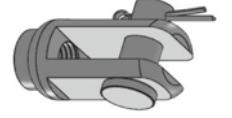


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

12/4800 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON

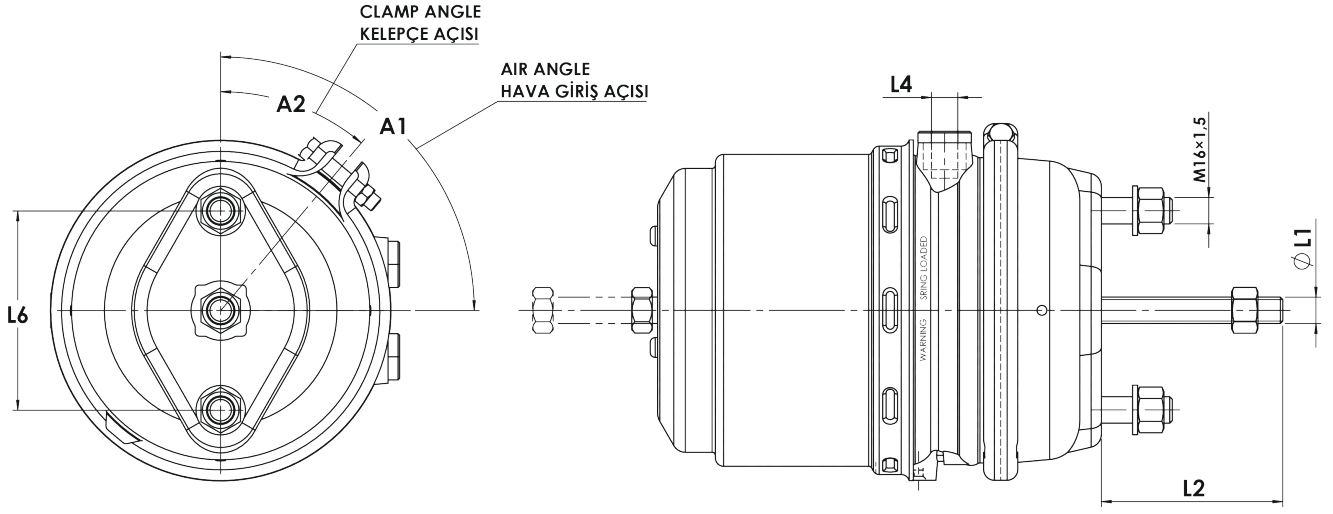


10149,1

STROKE 44,5/44,5

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP1248 10401	AA.10107.32				ISUZU SAĞ / RIGHT	1	M16X1,5	185	M16X1,5	-	10149.1
BP1248 10402	AA.10107.33				ISUZU SOL / LEFT	1	M16X1,5	185	M16X1,5	-	10149.1
BP1248 10453	AA.10107.30				ISUZU SAĞ / RIGHT	1	M16X1,5	36	M16X1,5	-	10149.1
BP1248 10454	AA.10107.31				ISUZU SOL / LEFT	1	M16X1,5	36	M16X1,5	-	10149.1



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

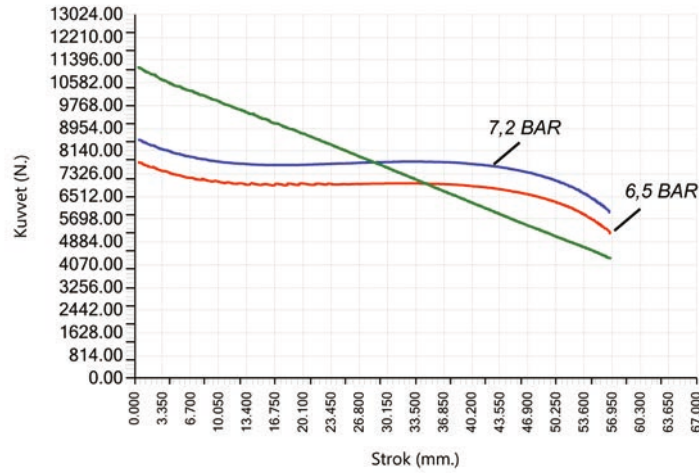
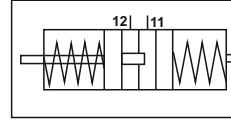


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

16/16 / DP

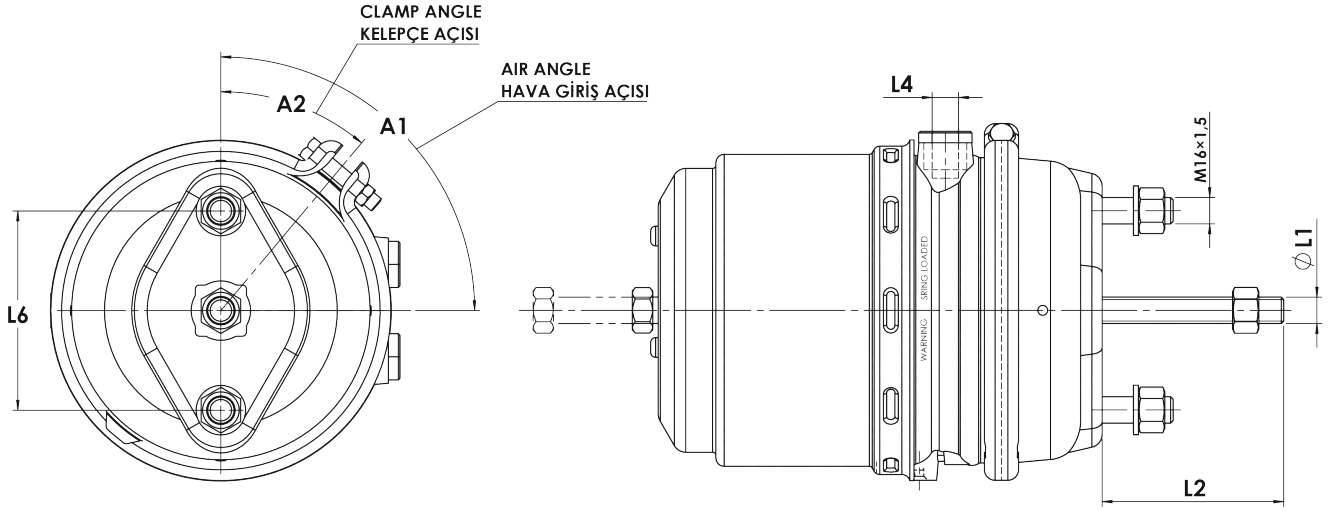
DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 57/57

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP1616 10403	AA.10502.M	925 494 0000			MAZ	1	M16X1,5	33	M16X1,5	-	-
BP1616 10404		925 494 1070			0114202218 MB A0114202218 MB 072202000 NEOPLAN 11062533 NEOPLAN 23656 MACK	1	M16X1,5	205	M16X1,5	✓	-



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

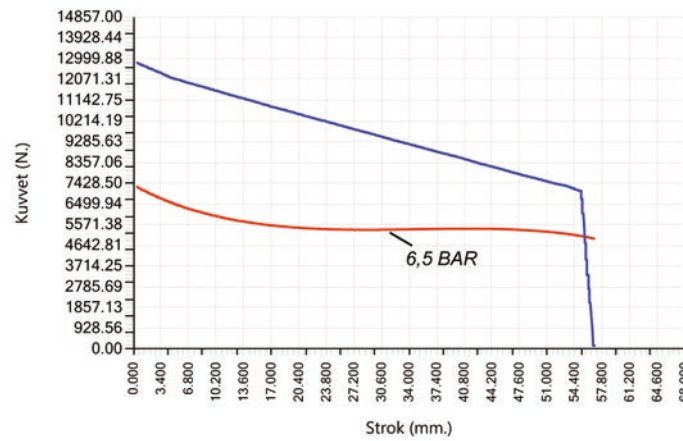
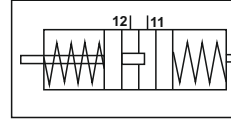
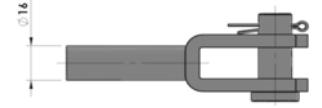


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

14/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



10146

STROKE 57/57

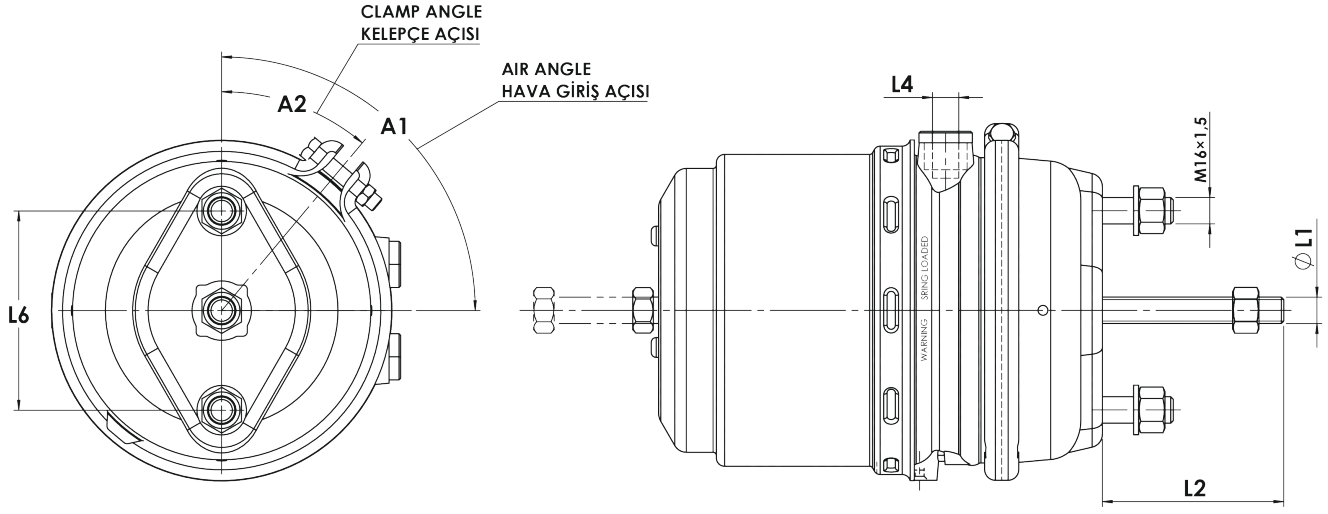
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP1424 10405		925 498 1050 925 498 1057			1523961R DAF	1	M16X1,5	255	M22X1,5 ADAPTOR M16X1,5	✓	-
BP1424 10406		925 428 1070			0164208218 MB A0164208218 MB	1	Q16	270	M22X1,5	✓	10146

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

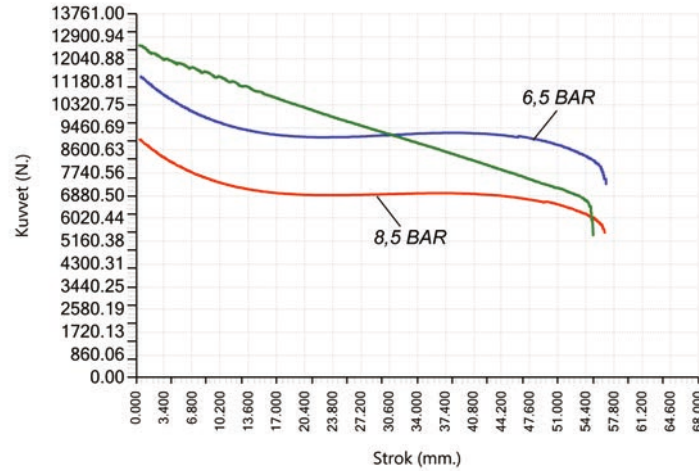
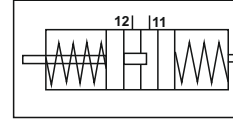


FIG. 1

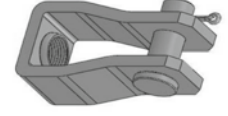
S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

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DİYAFRAM / PİSTON

DIAPHRAGM / PISTON



10140.0

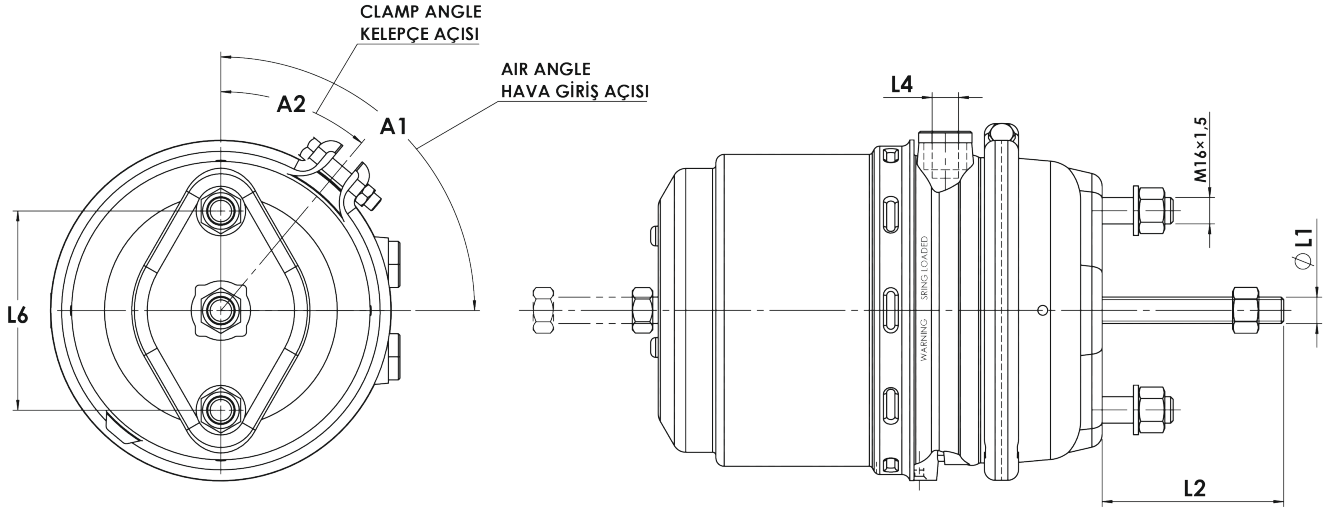


10145

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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP1624 10407	AA.10111					1	M16X1,5	156	M22X1,5 ADAPTÖR M16X1,5	✓	10140.0
BP1624 10408	AA.10111.7 AA.10111.13 AA.10111.20 AA.10111.22	925 494 0410 925 494 9600			1518151 DAF 1802696 SCANIA 1331410 SCANIA 1117755 SCANIA 65027970 KÖGEL 10003354 LIEBHERR	1	M16X1,5	250	M22X1,5 ADAPTÖR M16X1,5	✓	–
BP1624 10409		925 494 7550				1	M16X1,5	250	M22X1,5 ADAPTÖR M16X1,5	–	–
BP1624 10410		925 494 9100			0194208718 MB	1	Q16	37	M22X1,5	–	10145
BP1624 10411		925 494 9110			0194208818 MB	1	Q16	37	M22X1,5	–	10145



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

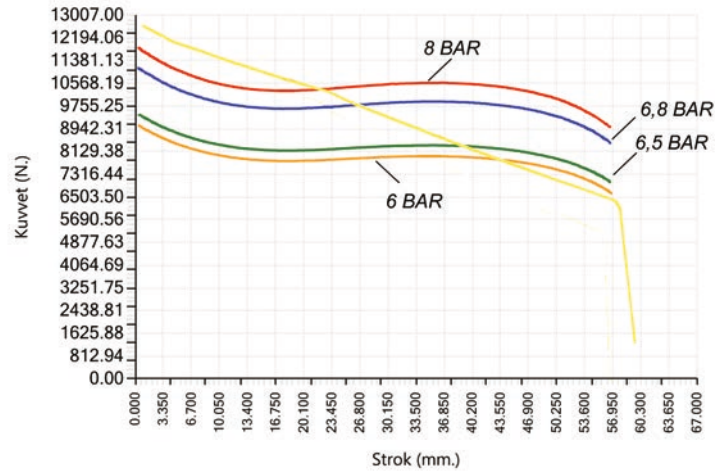
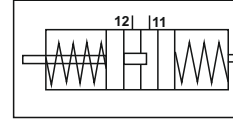


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



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FIG. 1

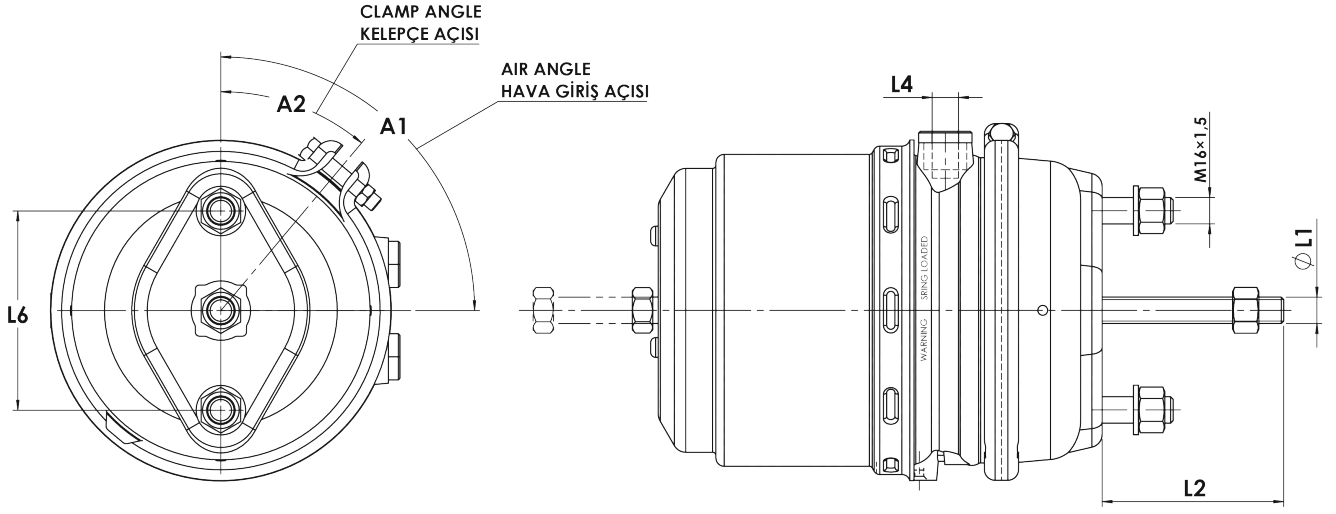
KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP2024 10412	AA.10115.28	925 490 7550	925 420 7020	BX9401	81504106559 MAN	81504106561 MAN	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	-	-
	AA.10115.29		925 420 7010	BZ7443	81504106560 MAN	81504106605 MAN						
	AA.10115.30		925 420 7017	BZ9406	81504106073 MAN	81504106606 MAN						
	AA.10115.31		925 420 7040	II37275	81504106074 MAN	81504106607 MAN						
	AA.10115.32		925 420 7500	BZ9414	81504106307 MAN	81504106615 MAN						
	AA.10115.33		925 420 7507	BZ9415	81504106308 MAN	81504106616 MAN						
	AA.10115.34		925 420 7510	BZ9416	81504106309 MAN	81504106617 MAN						
	AA.10115.7		925 420 7520	II16852	81504106310 MAN	81504106683 MAN						
			925 420 7530	II19261	81504106312 MAN	81504106468 MAN						
			925 490 7557	II19262	81504106427 MAN	81504106467 MAN						
			925 420 7540	II19263	81504106439 MAN	81504109351 MAN						
			925 320 7010	BZ7453	81504106453 MAN	81504106703 MAN						
			925 320 7020	BZ7460	81504109514 MAN	81504106704 MAN						
				BX9400	81504106348 MAN	81504109513 MAN						
				BZ9407	81504106350 MAN	81504109559 MAN						
				BZ9409	81504106351 MAN	81504109560 MAN						
				II17090	81504106352 MAN	81504106467 MAN						
				II17091	81504106353 MAN	81504106468 MAN						
					81504106354 MAN	1506383 DAF						
					81504106512 MAN	1519150 DAF						
				81504106513 MAN								

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

20/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

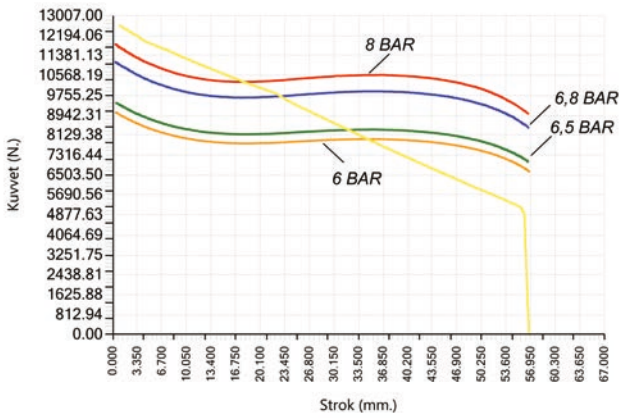
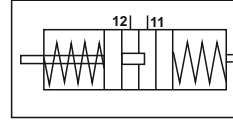


FIG. 1

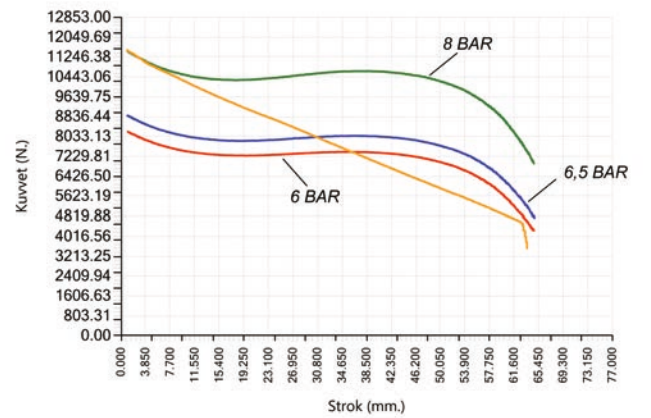


FIG. 2

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

20/24 / DP

DIYAFRAM / PİSTON
DIAPHRAGM / PISTON



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FIG. 1



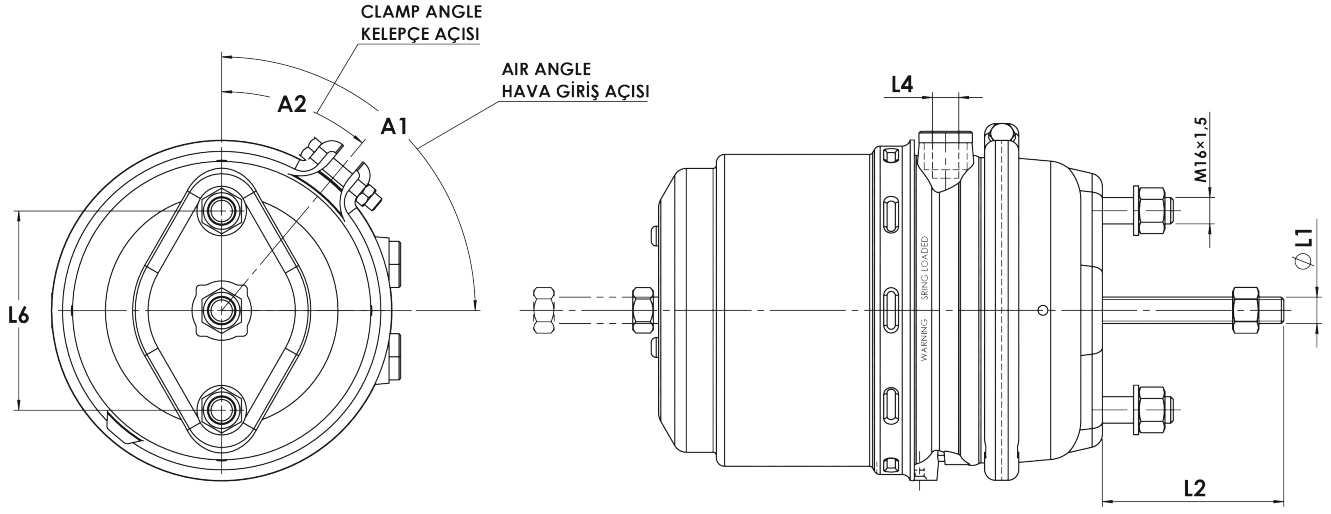
STROKE 65/65

FIG. 2



10144.1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP2024 10414	AA.10115	925 490 9250	925 300 1150	BX9400	0074206918 MB 1519443 DAF	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	✓	-
	AA.10115.14	925 490 9257	925 320 1380	BZ7422	0084206118 MB 02486891 IVECO						
	AA.10115.17		925 320 1460	BZ7436	0104200218 MB 02486891 IVECO						
	AA.10115.18		925 320 1470	BZ9408	0114201918 MB 1935470 SCANIA						
	AA.10115.2		925 320 1810	II37274	0124207118 MB 5021170332 RENAULT						
	AA.10115.3		925 320 2500	II37274ES	0124208518 MB 5000716329 RENAULT						
	AA.10115.36		925 420 0040		0174200218 MB 5021170331 RENAULT						
	AA.10115.37		925 420 0120		0174203918 MB 571364008 LIEBHERR						
	AA.10115.38		890 110 3480		0194207618 MB						
	AA.10115.41		925 420 0200		A0104200218 MB						
	AA.10115.5		925 320 1730		A0124207118 MB						
	AA.10115.6		925 320 1737		A0194207618 MB						
			925 420 1000		A0084206118 MB						
			925 420 1010		A0174203918 MB						
			925 420 1030		A0194207518 MB						
			925 420 1040		0194207518 MB						
			925 420 9540		0124208518 MB						
			925 450 0010		0194207618 MB						
			925 490 1030		A0114206918 MB						
			925 490 1040		A0124208518 MB						
		925 490 9250		A0174200218 MB							
				A0074206918 MB							
				8285454000 EVOBUS							
				81504106707 MAN							
				81504106466 MAN							
				1506797R DAF							
				1519185 DAF							
BP2024 10415		925 430 0360			1505114R DAF	2	M16X1,5	38	M16X1,5	-	10144.1
		925 430 0367			1313829 SCANIA						
		925 430 0060			1446037 SCANIA						
					1057083 SCANIA						
					10570776 SCANIA						
					1570823 SCANIA						
					5711776 SCANIA						
					1935410 SCANIA						
					571776 SCANIA						
					1571776 SCANIA						



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

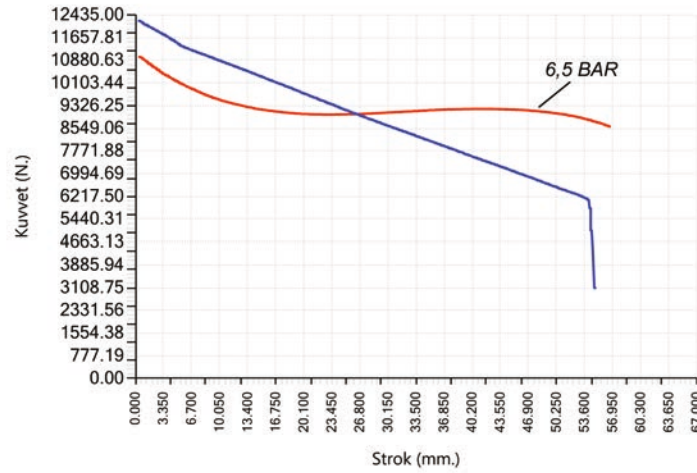
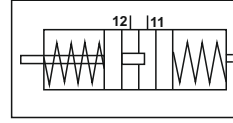


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

24/24 / DP

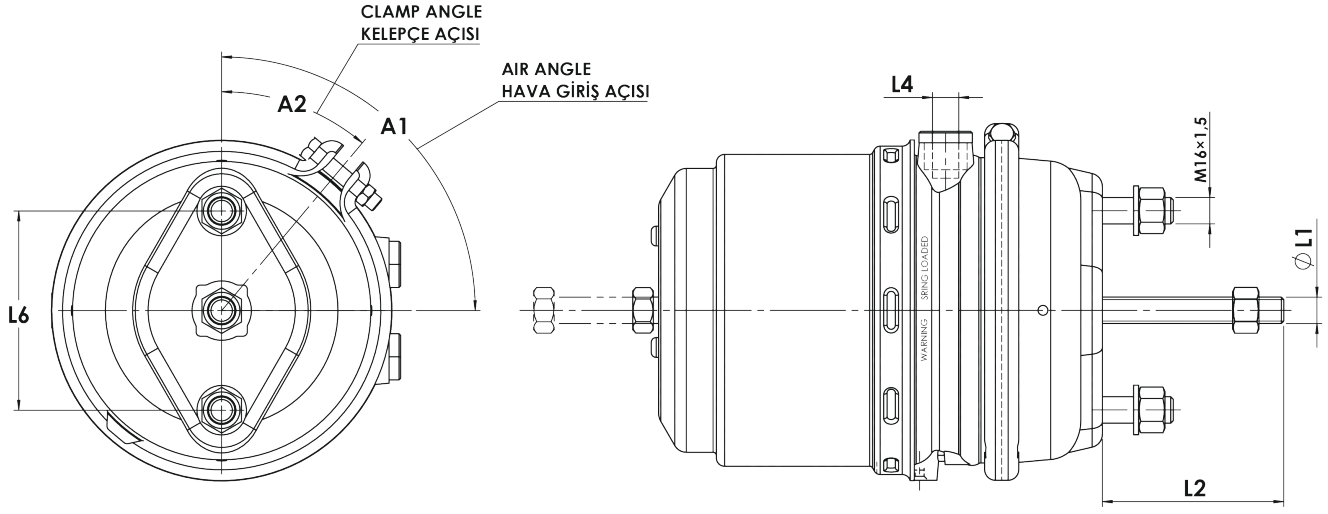
DİYAFRAM / PİSTON DIAPHRAGM / PISTON



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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP2424 10416	AA.10112.0	925 491 1410	925 301 1060	BX9519	A0174200318 MB 867215 DAF	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	✓	-
	AA.10112.1	925 491 1417	925 321 1100	BX9551	A0174203818 MB 1199429 DAF						
	AA.10112.11		925 321 1110	BZ7536	A0194207718 MB 1264634 DAF						
	AA.10112.12		925 321 1330	BZ7537	0084202318 MB 1506384 DAF						
	AA.10112.15		925 321 1360	BZ7539	0084206018 MB 1519113 DAF						
	AA.10112.2		925 321 1380	BZ7555	0104202718 MB 1522228 DAF						
	AA.10112.24		925 321 1470	II37277	0104202818 MB 1525504 DAF						
	AA.10112.25		925 321 1550	BX9502	0124201418 MB 4778653 IVECO						
	AA.10112.26		925 321 1590	BZ7540	0124207318 MB 99458093 IVECO						
	AA.10112.27		925 321 1600	K2B0506	0154201018 MB 99458094 IVECO						
	AA.10112.28		925 321 1607	K2B0506XU	0174200318 MB 04778653 IVECO						
	AA.10112.29		925 321 1690	K2B0506XU/US	0174203818 MB 1935399 SCANIA						
	AA.10112.32		925 321 1730	04825124001000	0194207718 MB 1935471 SCANIA						
	AA.10112.36		925 321 1780	0482512401090	0194207818 MB 5021170336 RENAULT						
	AA.10112.39		925 421 3447	BX9400	A0194207818 MB 6500690 KÖGEL						
	AA.10112.45		925 421 3460		A0084202318 MB 157894 GOLDHOFER						
	AA.10112.46		925 421 3470		A0084206018 MB 190615 VDL BUS / BOVA						
	AA.10112.47		925 451 0010		A0124201418 MB 190576 VDL BUS / BOVA						
	AA.10112.57		925 491 1050		A0124207318 MB HOWO						
	AA.10112.12		925 441 3420		8285337000 EVOBUS						
	AA.10112.58		925 321 2800		8285313000 EVOBUS						
	AA.10112.8		925 321 2850		82851110000 EVOBUS						
	AA.10112.44		925 321 2857		82839880000 EVOBUS						
			925 321 2880		8285111000 EVOBUS						
			925 321 2920		82839390000 EVOBUS						
			925 321 2950		82855580000 EVOBUS / SETRA						
			925 321 2957		82855480000 EVOBUS / SETRA						
			925 321 3410		Q82839380000 EVOBUS / SETRA						
			925 321 3430		Q82839390000 EVOBUS / SETRA						
			925 421 1000		Q82855480000 EVOBUS / SETRA						
			925 421 1030		Q82855580000 EVOBUS / SETRA						
			925 421 1040		82839380000 EVOBUS / SETRA						
			925 421 1050		81 50410 6697 MAN						
			925 421 1060		85504106002 MAN						
			925 421 341 0		81504106697 MAN						
			925 421 3420		85504106002 MAN						
			925 421 3440		070214800 NEOPLAN						
			925 491 1060		1518145 DAF						
					1199428 DAF						
					867215 DAF						
					1506655R DAF						



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

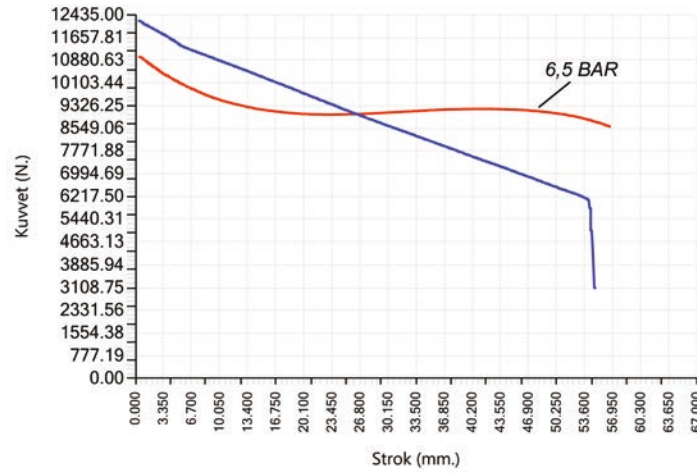
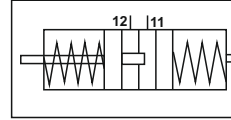


FIG. 1

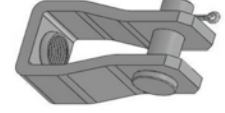
S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

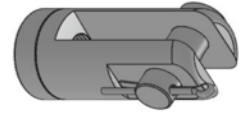
24/24 / DP

DİYAFRAM / PİSTON

DIAPHRAGM / PISTON



10140.0

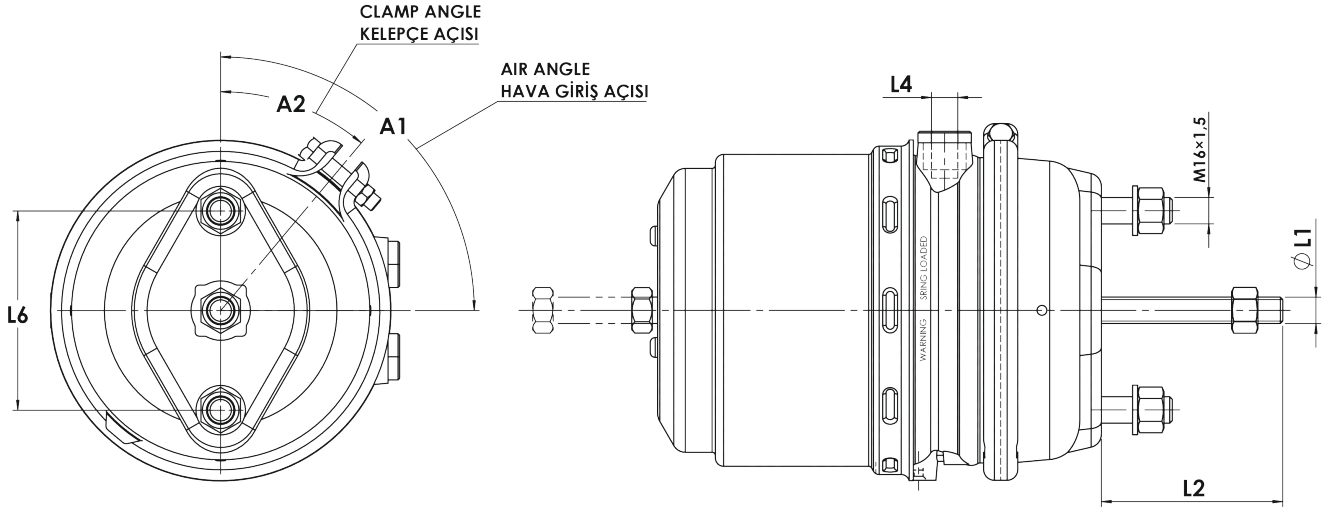


10141.1

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FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP2424 10417	AA.10112.41	925 491 7550	925 321 7010	BX9401	8285375000 EVOBUS	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	-	-	
	AA.10112.42		925 321 7040	BX9410	8285375000 EVOBUS							81504106608 MAN
	AA.10112.43		925 421 7010	BX9502	81504109476 MAN							81504106609 MAN
	AA.10112.59		925 421 7017	BX9519	81504106345 MAN							81504106610 MAN
			925 421 7050	BZ9503	81504106346 MAN							81504106618 MAN
			925 421 7150	BZ9504	81504106347 MAN							81504106619 MAN
			925 421 7500	BZ9512	81504106443 MAN							81504106620 MAN
			925 421 7507	BZ9513	81504106455 MAN							81504106684 MAN
			925 421 7510	BZ9514	81504106476 MAN							81504109519 MAN
			925 421 7520	BZ9529	81504106481 MAN							1523549 DAF
				II17092	81504106519 MAN							1519158 DAF
				II17093	81504109552 MAN							
				II17094	81504106532 MAN							
				II19264	81504106533 MAN							
				II19265	81504106540 MAN							
				II19266	81504106551 MAN							
				BX9551	81504106552 MAN							
		BZ9561	81504109540 MAN									
		482512403000	81504109551 MAN									
BP2424 10418	AA.10112	925 321 1620		BX9519	505803369 KRONE 5803369 KRONE 155370 GOLDHOFER	1	M16X1,5	187	M16X1,5	-	-	
BP2424 10419	AA.10112.20					1	M16X1,5	169	M22X1,5	✓	10141.1	
BP2424 10420	AA.10112.3					1	M16X1,5	340	M22X1,5 ADAPTOR M16X1,5	✓	10140.0	



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

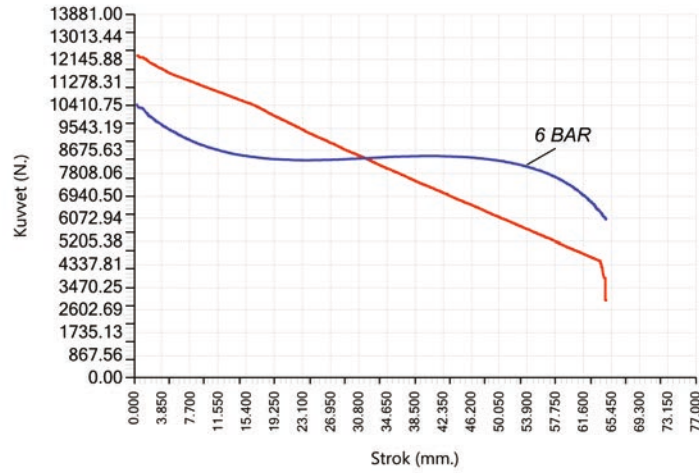
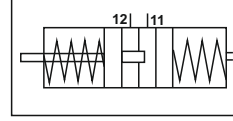


FIG. 2

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

24/24 / DP

DİYAFRAM / PİSTON

DIAPHRAGM / PISTON

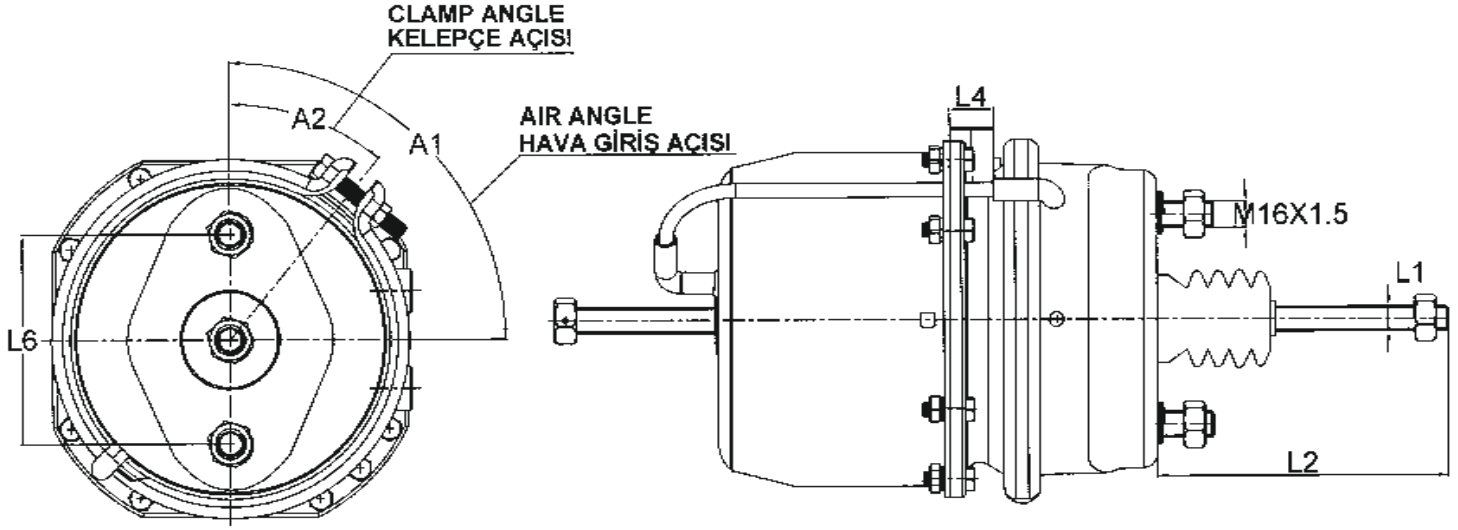


10144.1

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FIG. 2

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM		FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
								Thread Vida L1	Length Uzunluk L2			
BP2424 10422	AA.10112.40	925 431 0950 925 431 0957		K2B1029 K2B1030 K2B1031 K2B1032 K2B0528 K2B0528XU K2B0528XUA	1505463R DAF	8112624 VOLVO	2	M16X1,5	247	M16X1,5	-	-
					1606835 VOLVO	8112625 VOLVO						
					1606836 VOLVO	8113112 VOLVO						
					1606887 VOLVO	8113540 VOLVO						
					1609803 VOLVO	8113541 VOLVO						
					1626182 VOLVO	8113558 VOLVO						
					1626183 VOLVO	8154233 VOLVO						
					1626184 VOLVO	8154234 VOLVO						
					1626185 VOLVO	85000582 VOLVO						
					1626445 VOLVO	1935413 SCANIA						
					1626446 VOLVO	4124164 MGM						
					1629514 VOLVO	4124169 MGM						
					1629515 VOLVO	4124170 MGM						
					3963094 VOLVO	4124053 MGM						
					3963095 VOLVO	4124054 MGM						
					5003225 VOLVO	4124163 MGM						
5003226 VOLVO												
5003484 VOLVO												
5003485 VOLVO												
BP2424 10423	AA.10112.49	925 431 0410			1731941 SCANIA	1446046 SCANIA	2	M16X1,5	228	M16X1,5	-	10144.1
BP2424 10424	AA.10112.52	925 431 0370			1446044 SCANIA	1375936 SCANIA	2	M16X1,5	183	M16X1,5	-	10144.1
BP2424 10425	AA.10112.54	925 431 0330 925 431 0337		BX9519 II37277 K2B0506X50	1505115R DAF	10570834 SCANIA	2	M16X1,5	38	M16X1,5	-	10144.1
					1570834 SCANIA	1313821 SCANIA						
					1571778 SCANIA	1446042 SCANIA						
					570834 SCANIA	10571778 SCANIA						
					571778 SCANIA							



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

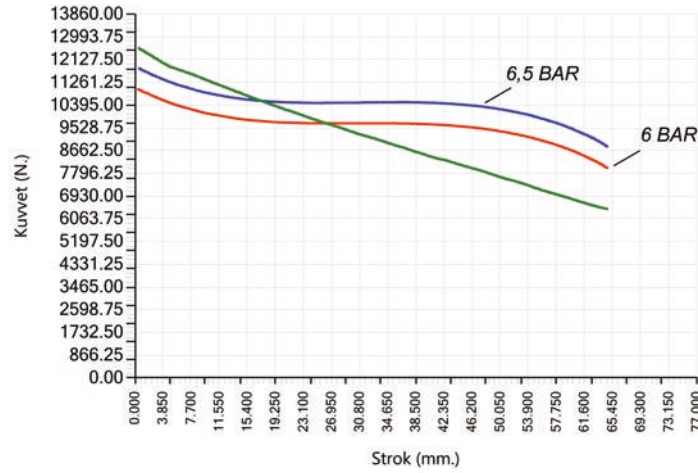
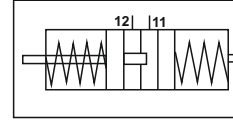
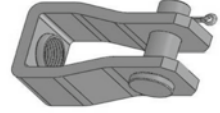


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

27/24 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



10140.0

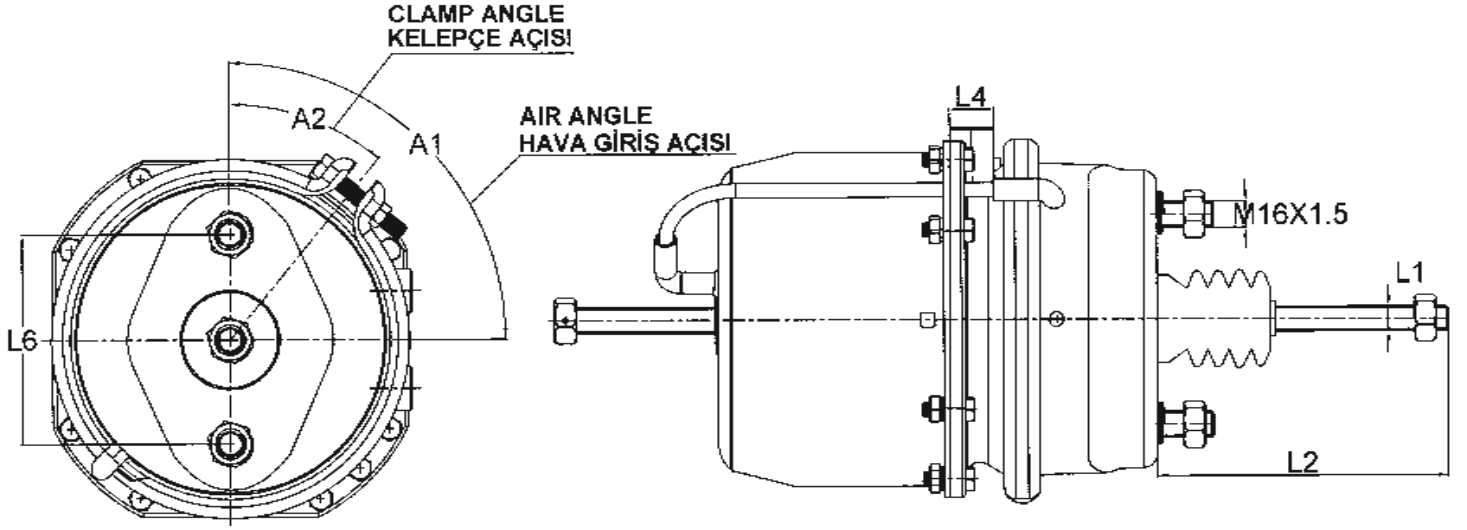
STROKE 65/65
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP2724 10426	AA.10120	925 439 1100			20466200 VOLVO	1	M16X1,5	220	M16X1,5	-	-
					85009002 VOLVO						
					20533210 VOLVO						
BP2724 10427	AA.10120.5					1	M16X1,5	185	M16X1,5	✓	10140.0
BP2724 10428	AA.10120.3	925 499 0000	925 329 1200	BZ 9559	N2504019109 MAN	1	M16X1,5	250	M16X1,5	✓	-
	AA.10120.7	925 499 0007	925 459 1000	BZ 9570	1506761 DAF						
	AA.10120.8		925 429 1070		1298303 DAF						
	AA.10120.11		925 429 1130		1505468R DAF						
	AA.10120.12		925 429 1030		1270258R DAF						
			925 429 1040		1459619 DAF						
			925 429 1800		1459618 DAF						
					1459619R DAF						
					1459619A DAF						
					1270257 DAF						
					1270256 DAF						
					1270258 DAF						
					1935477 SCANIA						
					5010260182 RENAULT						
				1506761R RENAULT							
				5021170344 RENAULT							
				5010260181 RENAULT							

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

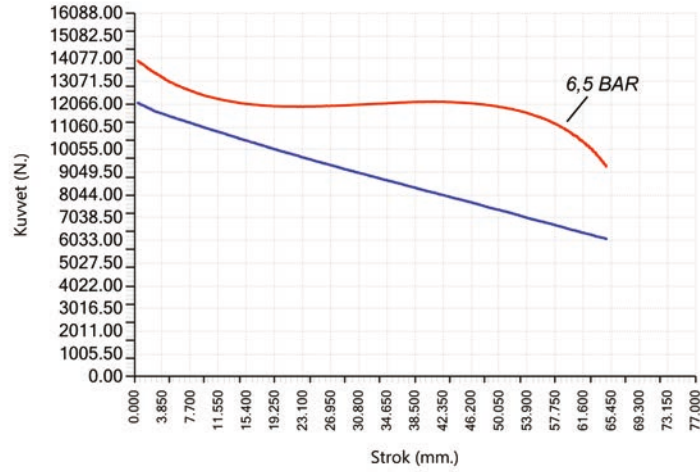
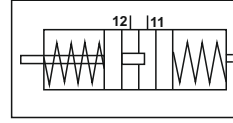
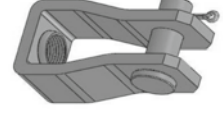


FIG. 1

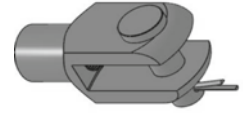
S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

30/24 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



10140.0

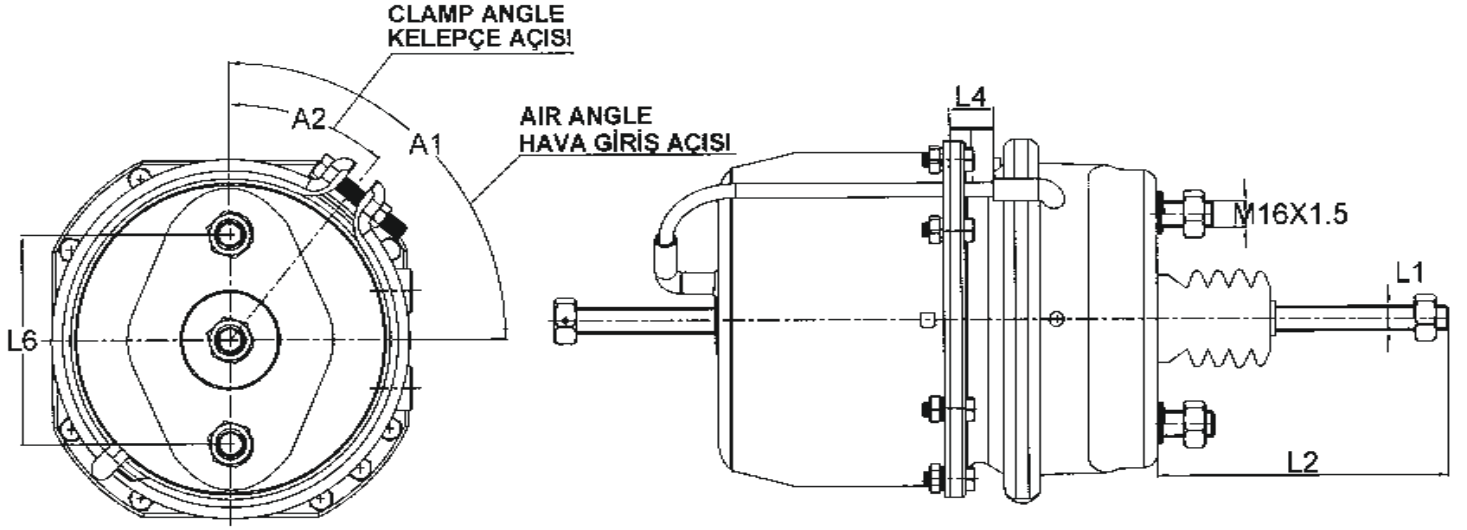


10144.1

STROKE 65/65

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP3024 10429	AA.10109.19	925 492 1000	925 322 7030	BZ9600	81504106449 MAN	81504106465 MAN	1	M16X1,5	250	M16X1,5	✓	-
	AA.10109.20	925 492 1007	925 322 7130	BZ9614	81504106441 MAN	81504106522 MAN						
				BZ9601	81504106464 MAN	81504106521 MAN						
					81504106448 MAN	1935473 SCANIA						
					81504106440 MAN							
BP3024 10430	AA.10109.1	925 492 1010	925 322 0150	K2B0520	0879088R	DAF	1	M16X1,5	250	M16X1,5	✓	-
	AA.10109.3	925 492 1017	925 322 6130	K2B0520XU	ESBCU2599	VOLVO						
	AA.10109.5		925 322 6410		1935474	SCANIA						
	AA.10109.12		925 322 0180		25141128	RENAULT						
	AA.10109.13		925 322 6030									
		890 110 3520										
BP3024 10431	AA.10109						1	M16X1,5	200	M16X1,5	-	10140.0
BP3024 10432	AA.10109.21	925 432 0220		K2B0520X50	1446056	SCANIA	1	M16X1,5	38	M16X1,5	-	10144.1
					1367493	SCANIA						
						KAMAZ 46460-6X4 TRACTOR						
						KAMAZ 6520 - 6X4 TIPPER						
						KAMAZ CHASIS 5297 - 4X2 BUS						



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

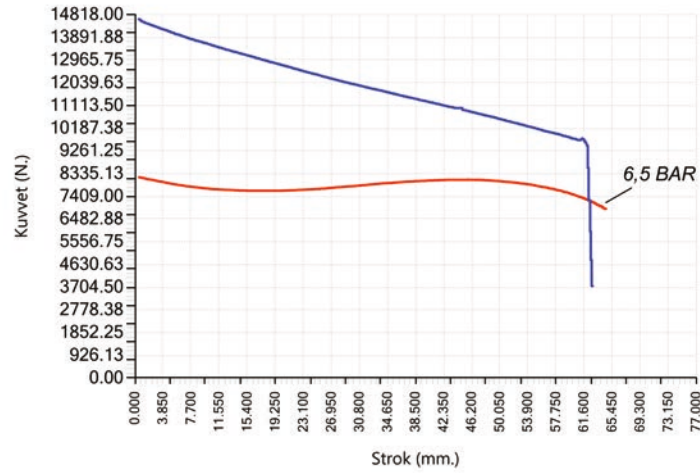
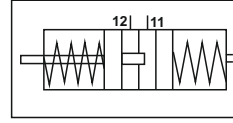


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

20/30 / DP

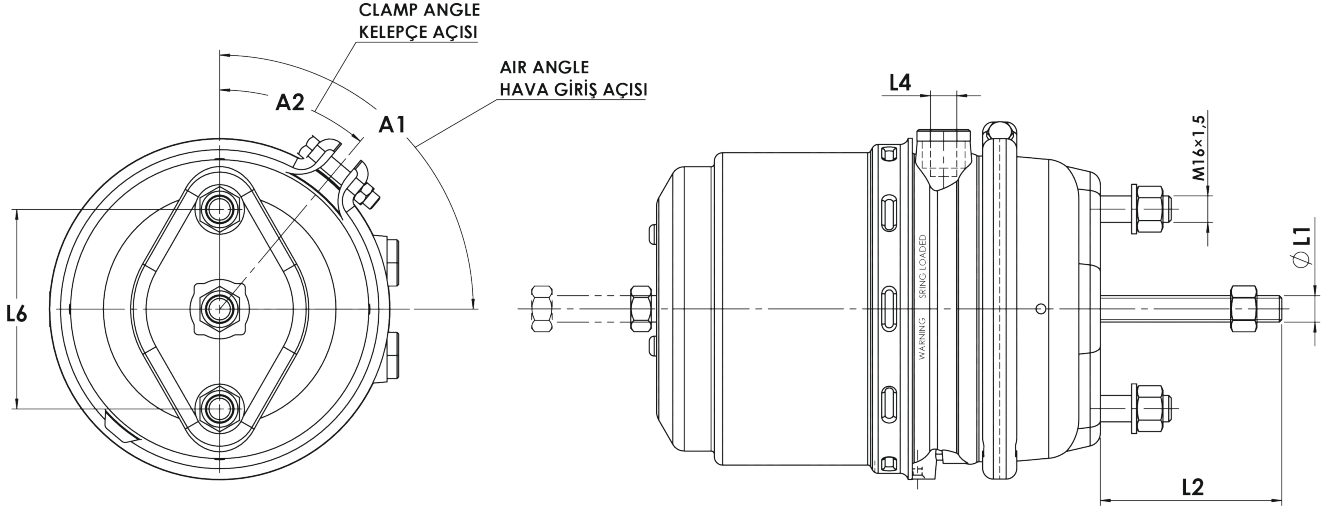
DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 65/65

FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP2030 10433		925 490 1010 925 490 1017	925 320 5010	BZ7414	0084209618 MB	81504106636 MAN	1	M16X1,5	245	M16X1,5	✓	-
			925 320 5040	BZ9406	0094200018 MB	81504106637 MAN						
			925 320 5140	BX9401	0094200118 MB	81504106657 MAN						
			925 320 5250	BZ9440	0094202118 MB	81504106652 MAN						
			925 320 5260	BZ9445	0124205118 MB	81504106653 MAN						
			925 420 5000	BZ9446	0134203918 MB	1521970R DAF						
			925 420 5050	BX9429	0144202318 MB	1521970 DAF						
			925 420 5260	BZ9443	0134203718 MB	1505179R DAF						
			925 420 5310	BZ7452	0144202218 MB	1506393R DAF						
			925 420 5330	II31789	A0124205018 MB	1519186 DAF						
			925 420 5390	II32738	A0134203918 MB	1935468 SCANIA						
			925 450 0020	II37275	A0144202318 MB	5021170333 RENAULT						
			890 110 3490	II37276	A0074205518 EVOBUS	5021170334 RENAULT						
						A0124205118 EVOBUS						
						A0134203718 EVOBUS						
						A01242050180080 EVOBUS						
			81504106651 MB									
			A0124205018 MB									
			0134203718 MB									
			81504106635 MAN									
BP2030 10434	AA.10118	925 490 1210 925 490 1217	925 450 0040	BZ7419	0094207318 MB	1	M16X1,5	245	M16X1,5	-	-	
			925 320 5050	BX9429	0094207418 MB							
			925 320 5070	BX9402	094209918 MB							
			925 320 5150	BZ9443	0104200018 MB							
			925 320 5170	BZ7452	A0094207318 MB							
				BZ7414	A01420018 MB							
				A0094207418 MB								
				A0094209918 MB								
				A0104200018 EVOBUS								
				1505499R DAF								
	1518156 DAF											
	1505117R DAF											
	1505499R DAF											
	1505499 DAF											



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

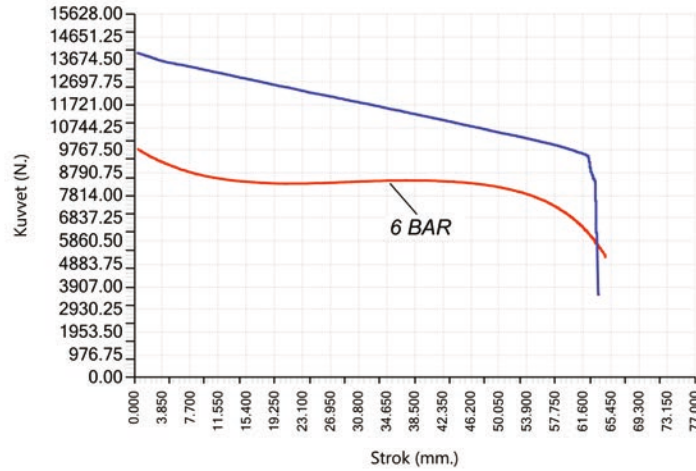
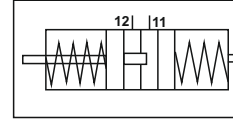


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

24/30 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



STROKE 65/65

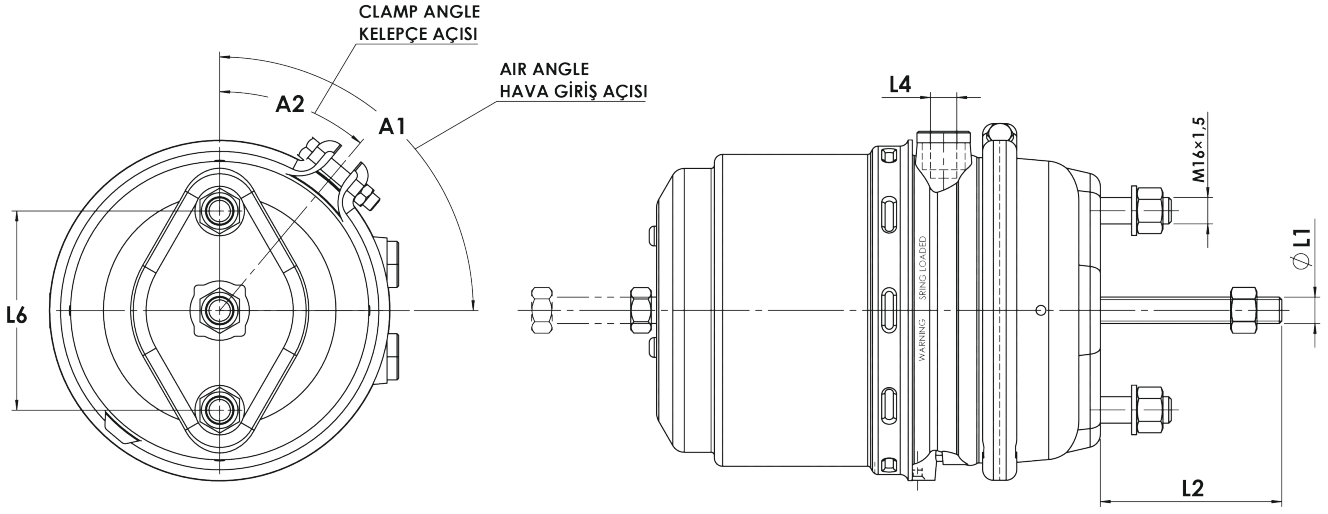
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP2430 10435	AA.10108.18	925 491 1430	925 421 4520	BX9507	0084209818 MB	1270270R DAF	1	M16X1,5 250	M22X1,5 ADAPTOR M16X1,5	✓	-
	AA.10108.19	925 491 1437	925 421 4530	BX9521	0114207418 MB	1270270 DAF					
	AA.10108.22		925 421 4300	BX9553	0134204018 MB	1270270A DAF					
	AA.10108.23		925 421 4310	BX9508	0174204018 MB	1459614R DAF					
	AA.10108.27		890 110 3510	K2B0514	0194208018 MB	1519444 DAF					
			925 321 4020	K2B1034	A0134204218 MB	0525480 DAF					
			925 321 4250	K2B1036	A0194208018 MB	0525480R DAF					
			980 110 3510	BZ7589	A0114207418 MB	0525480A DAF					
			925 421 5000	K2B0014	A0174202718 MB	1459614A DAF					
			925 421 5007	K2B0514XU	0134204218 MB	1459614 DAF					
			925 421 4330	KZ1302/1RM	A0174204018 MB	1270271 DAF					
			925 321 4110	K2B0514XUS	0084209918 MB	1608734 VOLVO					
			925 421 4430	K2B0514XU/XUS	A0084209818 MB	1608733 VOLVO					
			925 321 4120	K2B0014XU/XUS	81504106628 MAN	5009229 VOLVO					
					81504106629 MAN	1626189 VOLVO					
					81504106631 MAN	1626188 SCANIA					
					81504106632 MAN	1935472 SCANIA					
				81504106633 MAN	0383890 SCANIA						
				81504106634 MAN	5021170337 RENAULT						
				070217100 NEOPLAN	5001829790 RENAULT						
				70217100 NEOPLAN	505821722 KRONE						
				070217000 NEOPLAN	505805785 KRONE						
				70217000 NEOPLAN							
				1459614R DAF							
BP2430 10436	AA.10108.7	925 431 5140 925 431 5147		K2B1034	1505464R DAF	5003229 VOLVO	1	M16X1,5 247	M16X1,5	-	-
				K2B1035	1608732 VOLVO	5003230 VOLVO					
				K2B1036	1608733 VOLVO	8112621 VOLVO					
					1608734 VOLVO	8112622 VOLVO					
					1626187 VOLVO	8112623 VOLVO					
					1626188 VOLVO	1935415 SCANIA					
					1626189 VOLVO	1626188 SCANIA					
					1629512 VOLVO	4128152 MGM					
					1629513 VOLVO	4128155 MGM					
					5003228 VOLVO	4128156 MGM					

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

24/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

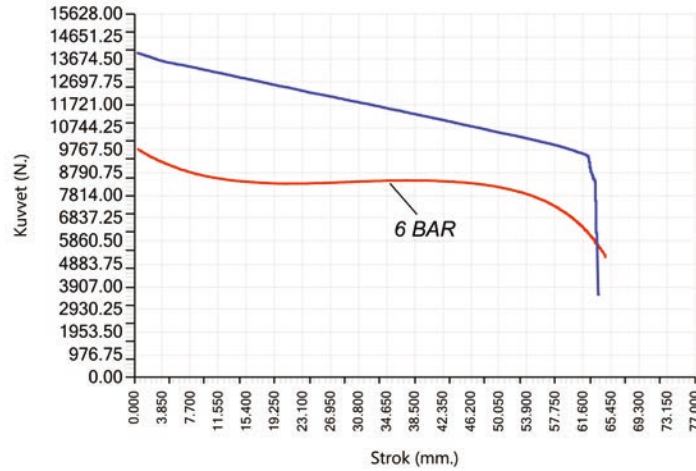
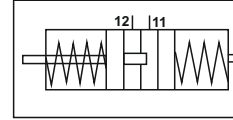


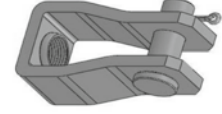
FIG. 1

S-KAM FREN KÖRÜĞÜ

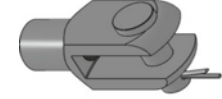
S-CAM BRAKE CHAMBER

24/30 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



10140.0



10144.1

STROKE 65/65
FIG. 1

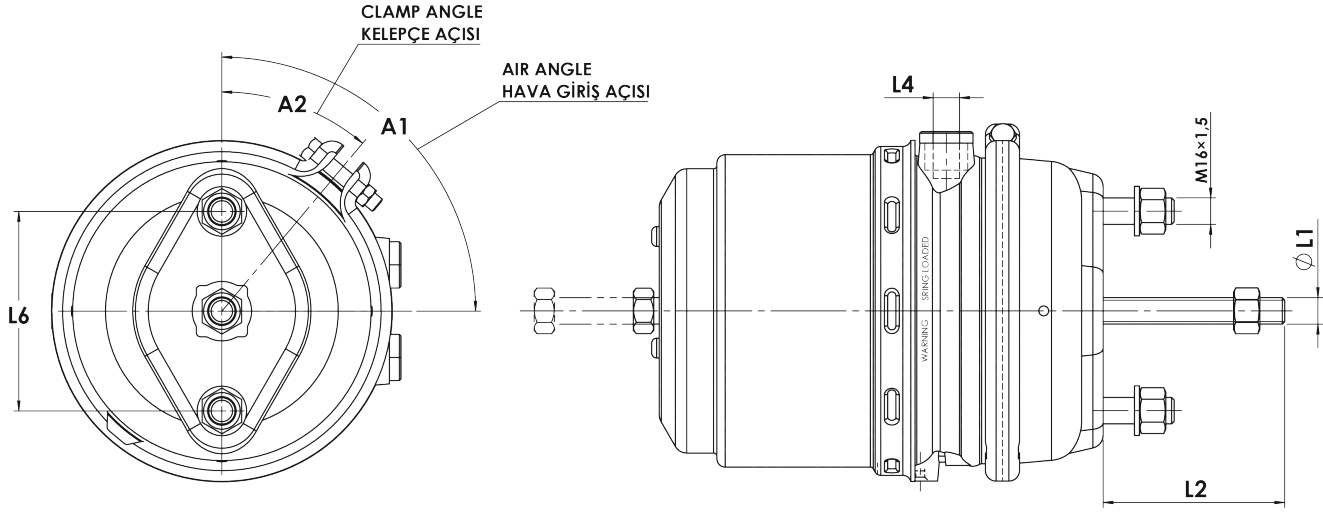
KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP2430 10437	AA.10108.8	925 491 1350 925 491 1357 925 491 1300			20438488 VOLVO	1	M16X1,5	58	M16X1,5	-	-	
					20533202 VOLVO							
					85000577 VOLVO							
					7420713923 RENAULT							
BP2430 10438	AA.10108.10	925 491 1320 925 491 1327			20533204 VOLVO	1	M16X1,5	220	M16X1,5	-	-	
					85000579 VOLVO							
					3987108 VOLVO							
					74207923 RENAULT 20533205 RENAULT							
BP2430 10440	AA.10108					1	M16X1,5	200	M16X1,5	✓	10140.0	
BP2430 10441	AA.10108.0					1	M16X1,5	320	M16X1,5	✓	10140.0	
BP2430 10442	AA.10108.1					1	M16X1,5	260	M16X1,5	✓	10140.0	
BP2430 10454		925 431 4210			1446053 SCANIA	1446054 SCANIA	1	M16X1,5	38	M16X1,5	-	10144.1

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

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DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

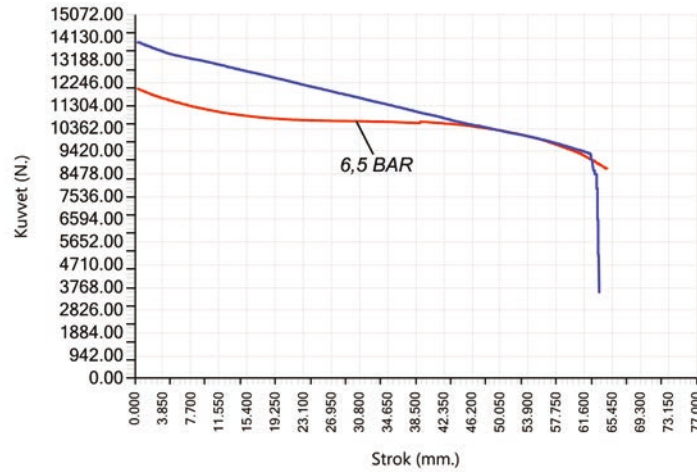
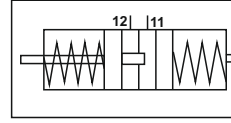


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

27/30 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



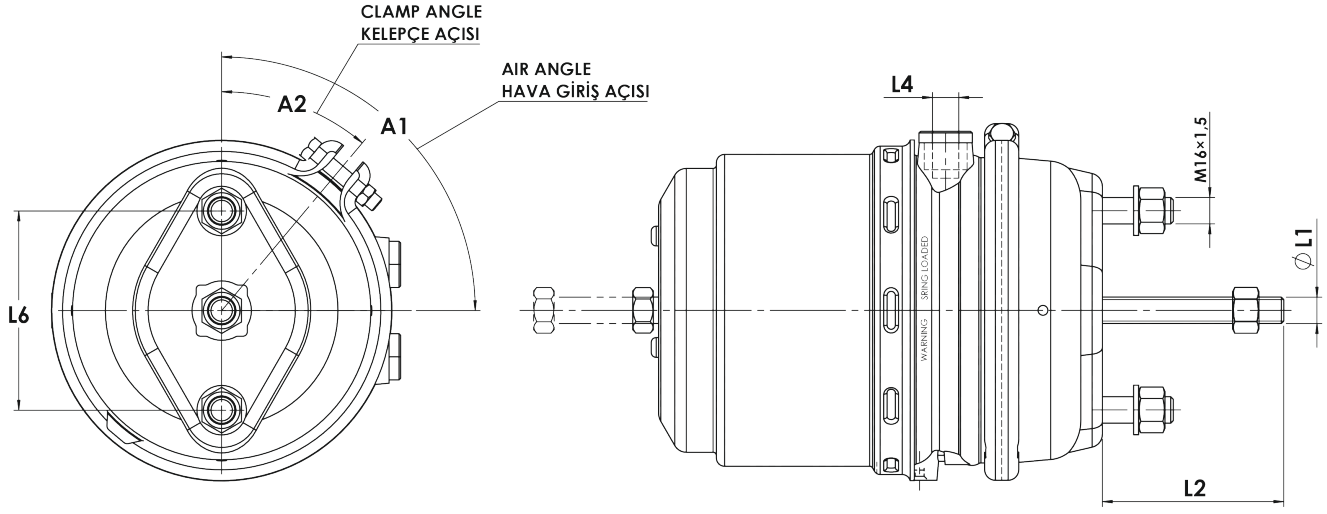
**STROKE 65/65
FIG. 1**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP2730 10443	AA.10119	925 499 0010	890 110 3690	BZ7581	ZG046390002 MAN	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	✓	—
	AA.10119.11	925 499 0017	925 329 0000	BZ7582	070215200 MAN						
	AA.10119.12		925 329 0010	BZ7591	11013219 MAN						
	AA.10119.14		925 329 0020	BZ7593	81504106280 MAN						
	AA.10119.15		925 329 0040	BZ7594	81504106281 MAN						
	AA.10119.16		925 329 0090	BZ9559	81504106313 MAN						
	AA.10119.17		925 329 0110	BZ9570	81504106412 MAN						
	AA.10119.18		925 329 0220	II37098	81504106420 MAN						
	AA.10119.20		925 329 0320	K2B0518XU	81504106497 MAN						
	AA.10119.5		925 429 0020		81504106498 MAN						
	AA.10119.8		925 429 0027		1270272 DAF						
			925 429 0120		1519174 DAF						
			925 429 0140		1270273 DAF						
			925 429 0610		1506563 DAF						
			925 429 0617		1519135 DAF						
			925 429 0620		1519137 DAF						
			925 439 4010		1519141 DAF						
			925 439 4017		1506563R DAF						
			925 439 4040		1519142 DAF						
			925 439 4050		1519184 DAF						
			925 439 4060		1603234 DAF						
			925 459 0010		1603235 DAF						
			925 499 0017		1504993R DAF						
					1935478 SCANIA						
					503135324 IVECO						
					5021170343 RENAULT						
					5010260346 RENAULT						
					5010260347 RENAULT						
					5010560184 RENAULT						
					5021170342 RENAULT						
					5010260183 RENAULT						
					070215200 SOLARIS						

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

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DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

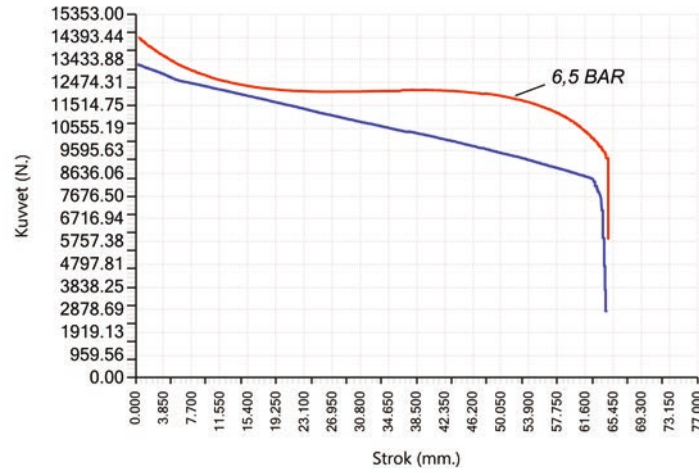
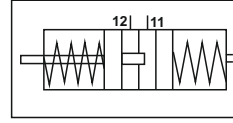


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

30/30 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



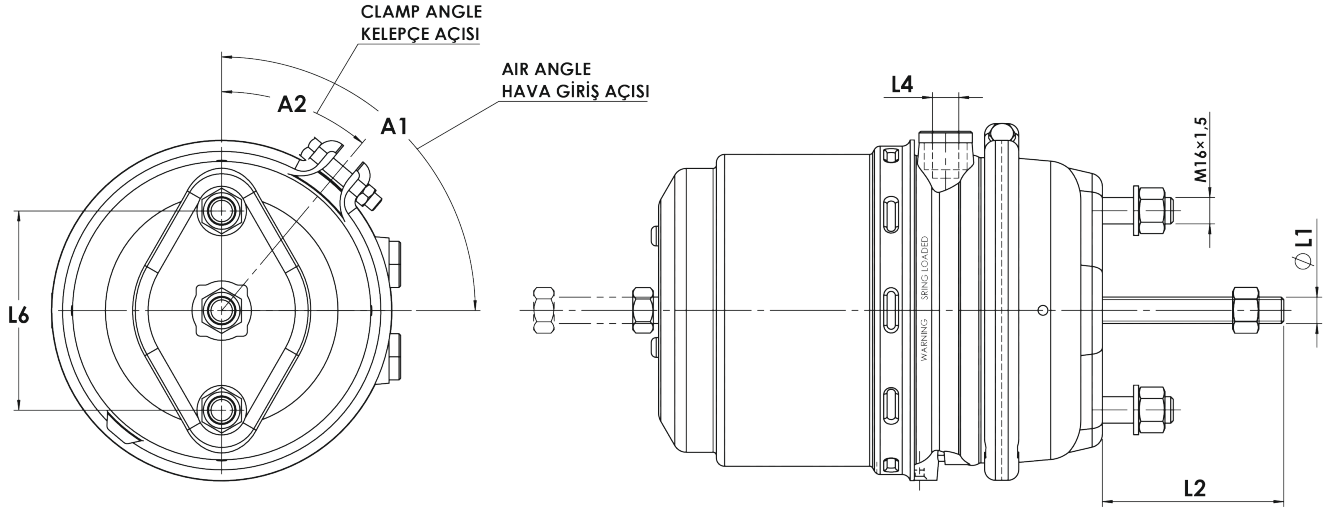
**STROKE 65/65
FIG. 1**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE	
							Thread Vida L1	Length Uzunluk L2				
BP3030 10444	AA.10110.4	925 492 1020	925 322 1210	BZ9657	A0134206618 MB	1519164 DAF	1	M16X1,5	250	M22X1,5 ADAPTOR M16X1,5	✓	-
	AA.10110.6	925 492 1027	925 322 1040	BZ7646	A0174200418 MB	1518313 DAF						
	AA.10110.9		925 322 0780	BZ9663	0164200418 MB	1506395 DAF						
	AA.10110.11		925 322 0980	BZ6664	A0194208518 MB	1374223 DAF						
	AA.10110.12		925 322 0670	K2B0522XUS	0134201818 MB	892758 DAF						
	AA.10110.15		925 322 1570	KOO2612	0134206418 MB	082042 DAF						
	AA.10110.16		925 322 2710	II37281	0194208518 MB	1305170 DAF						
	AA.10110.18		925 422 1310	BZ9601	0164200418 MB	1270262 DAF						
	AA.10110.19		925 422 1020	BZ9646	0174200418 MB	1270262A DAF						
	AA.10110.23		925 422 2170	BZ7624	82855840000 EVOBUS	1519165 DAF						
	AA.10110.24		925 302 2400	BZ9306	A0134206418 EVOBUS	5000869541 IVECO						
	AA.10110.25		925 302 2500	BZ9307	82836960000 EVOBUS	1935475 SCANIA						
	AA.10110.26		925 322 1100	BZ9648	8283697000 EVOBUS	1935403 SCANIA						
	AA.10110.27		925 422 1120	BZ9649	82855840000 EVOBUS	5000787260 RENAULT						
	AA.10110.33		925 422 1220	K2B0522	81504109676 MAN	5010067834 RENAULT						
	AA.10110.37		925 492 1027	BZ7652	81504106464 MAN	5000590336 RENAULT						
	AA.10110.39		925 322 7030	BZ6957	81504106414 MAN	5010485493 RENAULT						
	AA.10110.47		925 322 1230	BZ9600	81504106146 MAN	5021170339 RENAULT						
	AA.10110.56		925 322 1860	BZ9605	81504106679 MAN	5001822981 RENAULT						
	AA.10110.65		925 322 1350		81504109675 MAN	5000716330 RENAULT						
	AA.10110.66		925 322 1300		81504106441 MAN	5021170338 RENAULT						
			925 322 1550		81504106146 MAN	5001829102 RENAULT						
			925 322 1557		81504106675 MAN	6500691 KÖGEL						
			925 322 2240		81504106676 MAN	1188390240 BENALU						
			925 422 1230		81504106680 MAN	502968208 LIEBHERR						
			925 422 2080		81504106449 MAN	4131002 DIMETAL						
			925 422 2090		81504106521 MAN	151447 GOLDHOFER						
			925 322 2270		11013226 NEOPLAN	1270263 DAF/VDL BUS						
			925 322 3100		11013227 NEOPLAN	660740 DENNIS						
			925 432 2000		070216300 NEOPLAN							
			925 452 0010		11013226 NEOPLAN							
			890 110 3530		81504106432 MAN							
			925 322 7010		91504106146 MAN							
					81504106489 MAN							
					1519118R DAF							
					0282042 DAF							
					1518149 DAF							
					50018291 DAF							
					0282042 DAF							
					1518313 DAF							

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

30/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

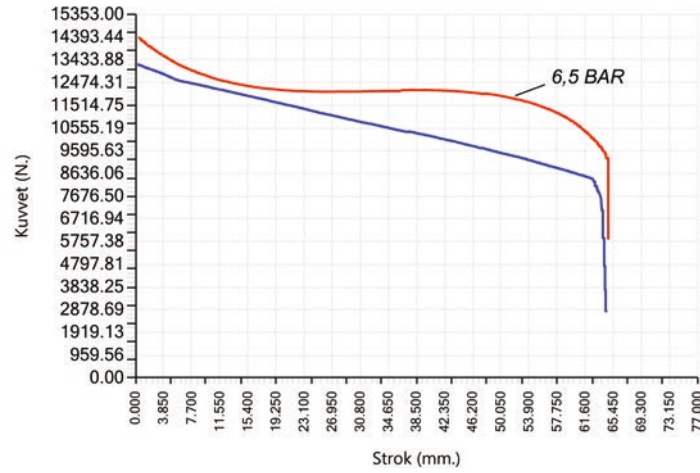
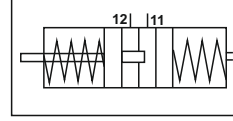


FIG. 1

S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

30/30 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



**STROKE 65/65
FIG. 1**

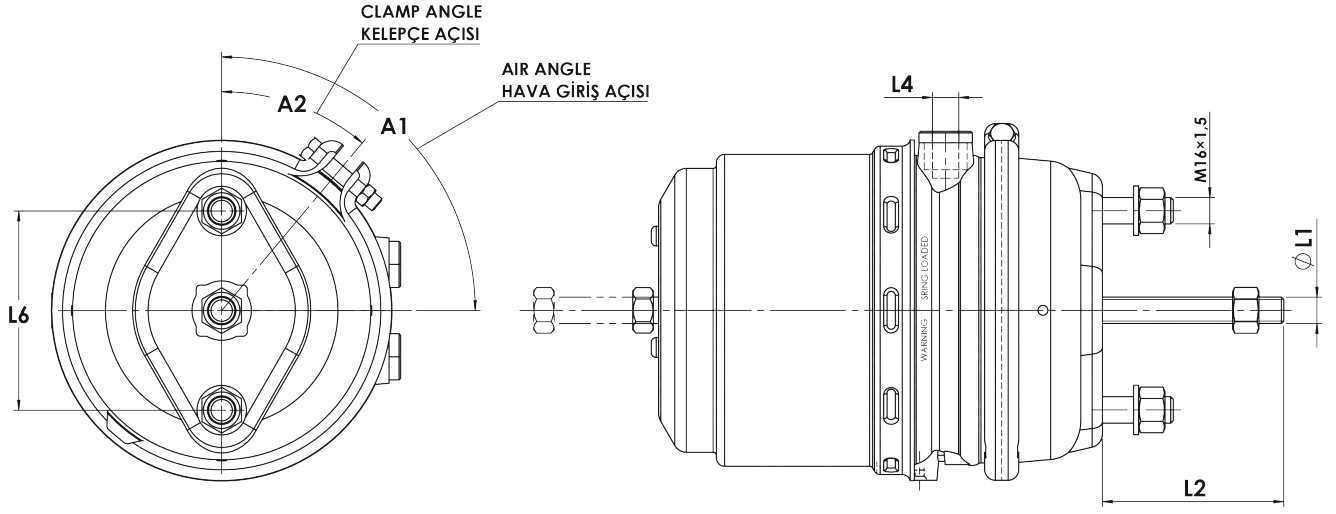
KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT L4	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP3030 10445	AA.10110.32 AA.10110.36 AA.10110.42 AA.10110.43 AA.10110.44 AA.10110.54 AA.10110.55 AA.10110.57	925 492 1030 925 492 1037	925 422 1300 925 422 2410 925 422 2510 925 432 4010 925 432 4050 925 422 1120 925 322 2660 925 422 1307 925 432 4060 925 432 4810 925 432 4850 925 432 4860 925 492 1037 925 432 4020 925 422 1200 925 432 4040 925 432 4820 925 432 4840	BZ7646 BZ9306 BZ9307 BZ9650 BZ9657 BZ9663 II37281	0094207618 MB 0134206818 MB A0134206718 MB 0134206718 MB A0134206818 EVOBUS A0134206718 EVOBUS 81504106678 MAN N2504019102 MAN 81504106679 MAN 81504106687 MAN 81504106674 MAN 81504106677 MAN 1277863A DAF 1518302R DAF 1277863R DAF 1277863 DAF 1270263 DAF / VDL BUS 5003224 VOLVO 1608006 VOLVO 1606834 VOLVO 1193099 VOLVO 1190406 VOLVO 5002292 VOLVO WA9254921037 VOLVO 1197020 VOLVO 1588610 VOLVO 1935403 SCANIA 298169 SCANIA 298171 SCANIA 570532 SCANIA 1331415 SCANIA 10570532 SCANIA 1331414 SCANIA 1571772 SCANIA 1571758 SCANIA 1935448 SCANIA 302270 SCANIA 571772 SCANIA 571758 SCANIA	1	M16x1,5	250	M22X1,5 ADAPTOR M16X1,5	-	-

S-KAM FREN KÖRÜĞÜ

S-CAM BRAKE CHAMBER

30/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

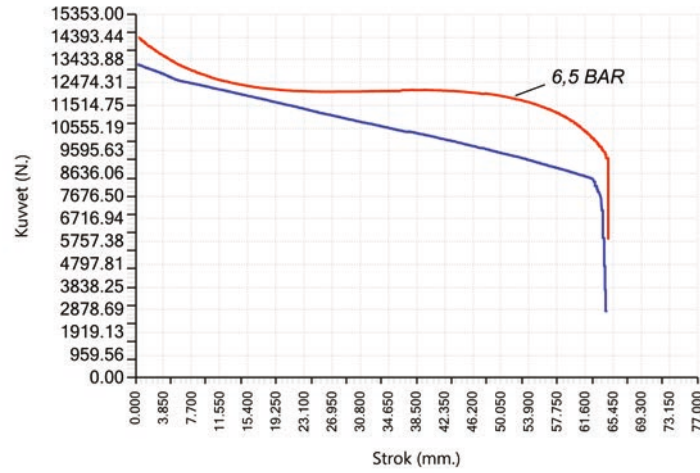
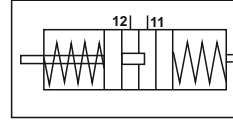


FIG. 1

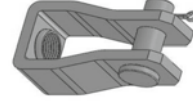
S-KAM FREN KÖRÜĞÜ S-CAM BRAKE CHAMBER

30/30 / DP

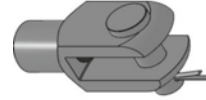
DİYAFRAM / PİSTON DIAPHRAGM / PISTON



**STROKE 65/65
FIG. 1**



10140.0



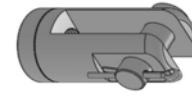
10144.1



10146



10147



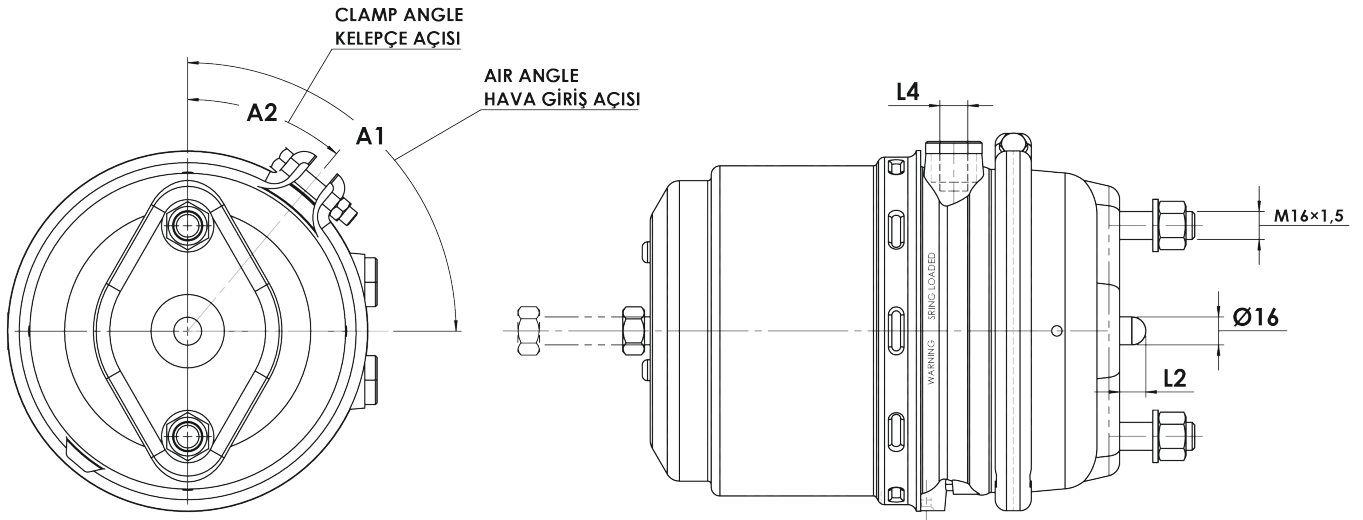
10141.0

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD		HAVA GİRİŞ AIR PORT	T. LAS. GAITER	ÇATAL YOKE
							Thread Vida L1	Length Uzunluk L2			
BP3030 10446	AA.10110 AA.10110.69					1	M16X1,5	185	M22X1,5 ADAPTOR M16X1,5	-	- 10140.0
BP3030 10447	AA.10110.MZ	925 492 0000		LP1849	MAZ	1	M16X1,5	33	M22X1,5 ADAPTOR M16X1,5	-	-
BP3030 10448	AA.10110.8					1	M16X1,5	260	M22X1,5 ADAPTOR M16X1,5	✓	10140.0
BP3030 10449	AA.10110.38	925 322 2510 925 322 2517		BZ9657 BZ9663	A0064205318 MB 0064205318 MB A00642053180080 EVOBUS 070211600 NEOPLAN 7021510099 NEOPLAN 07021510099 NEOPLAN 1519124R DAF 0482512503000	1	Q16	77	M22X1,5 ADAPTOR M16X1,5	✓	10146
BP3030 10450	AA.10110.41	925 322 2410 925 322 2417		BZ9657 BZ9663	006 420 5218 80 MB A0064205218 MB 64205218 MB 006420521880 MB N1011013215 MAN 70215000 NEOPLAN 11013215 NEOPLAN 07021500099 NEOPLAN 1519121 DAF 1519122R DAF 79757 KÖGEL	1	Q16	77	M16X1,5	✓	10146
BP3030 10451	AA.10110.52	925 432 1140		K2B0522X50	1446058 SCANIA 1372916 SCANIA	1	M16X1,5	183	M22X1,5 ADAPTOR M16X1,5	-	10144.1
BP3030 10452		925 422 2030 925 492 2030			A0164202118 EVOBUS A0194208118 MB	1	M16X1,5	20	M22X1,5	-	10147
BP3030 10455	AA.10110.45				5K59025-1M BMC	1	M16X1,5	200	M16X1,5	✓	10141.0

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

12/16

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

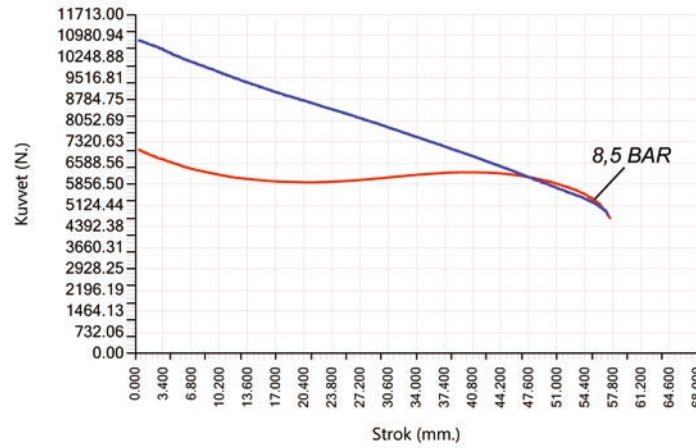
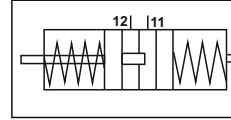


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

12/16 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



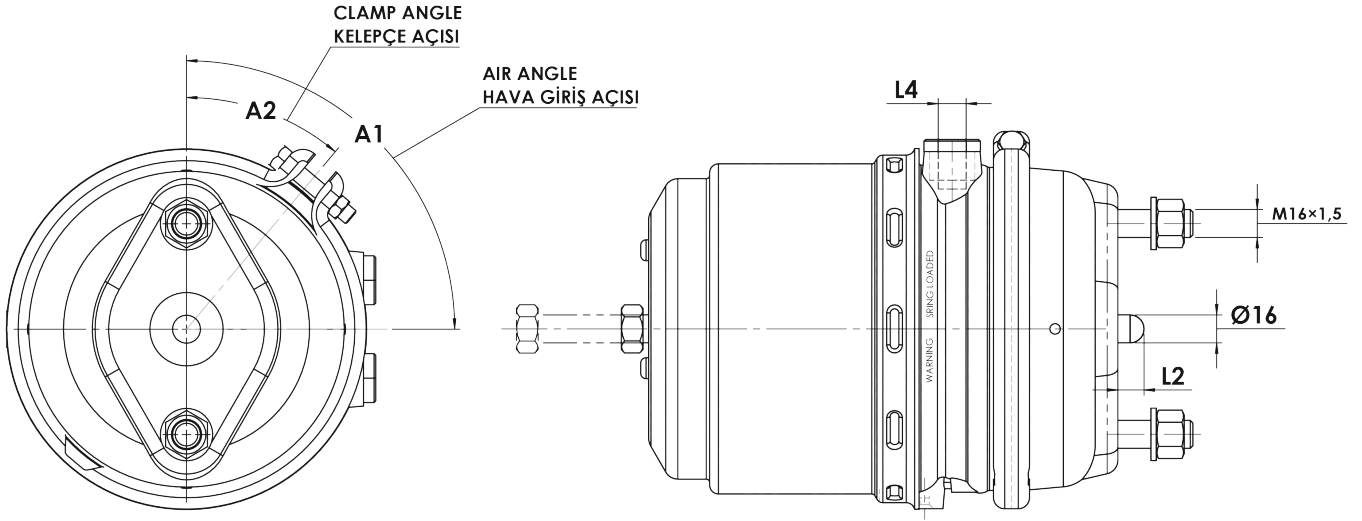
STROKE 57/57 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BP1216 20465		925 486 1100			AO214202618 MB NOVA	1	15	M22X1,5
BP1216 20466		925 486 1110			AO214202718 MB	1	15	M22X1,5
BP1216 20467		925 486 1010 925 486 1060 925 486 1000			AO214200118 MB AO194204718 MB AO154201418 MB	1	15	M22X1,5
BP1216 20468		925 486 1030 925 486 1080			AO164207218 AO194204818	1	15	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

14/16

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

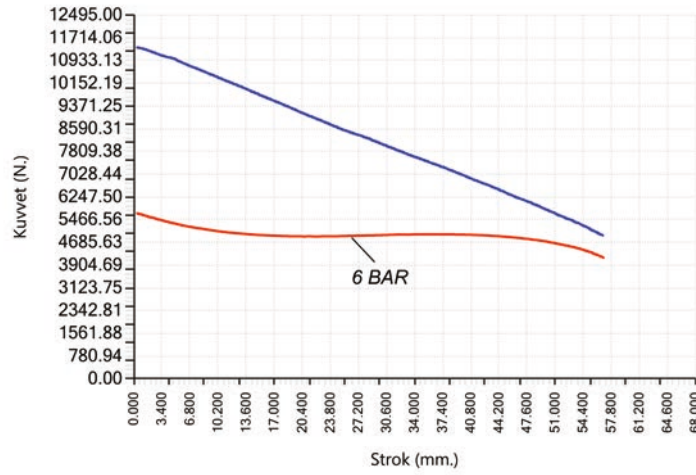
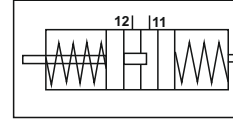


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

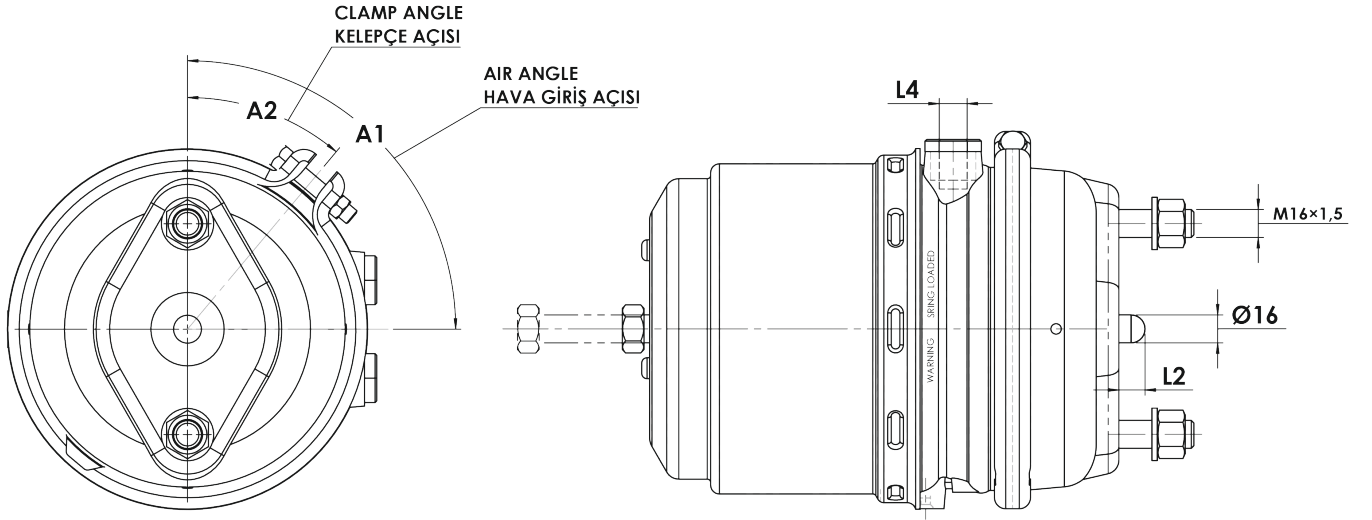
14/16 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 57/57 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BP1416 20401		925 468 1400				1	15	M16X1,5
BP1416 20402		925 468 1410				1	15	M16X1,5
BP1416 20404		925 426 3000			1523960 DAF 5010422317 RENAULT	1	15	M22X1,5
BP1416 20405		925 426 3010			5010422318 RENAULT	1	15	M22X1,5



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

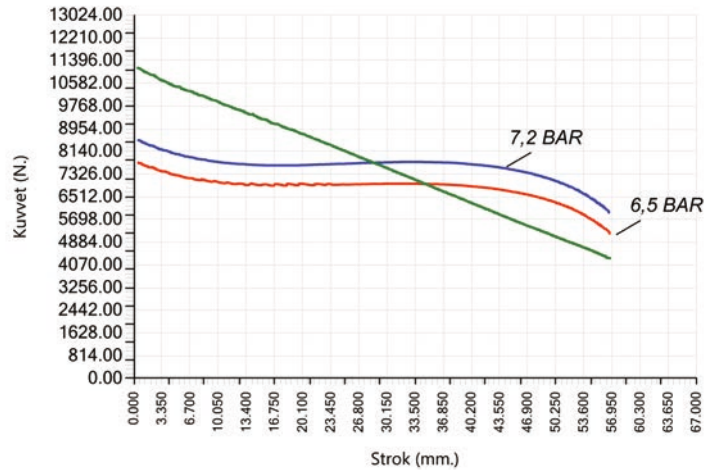
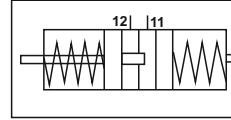


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

16/16 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



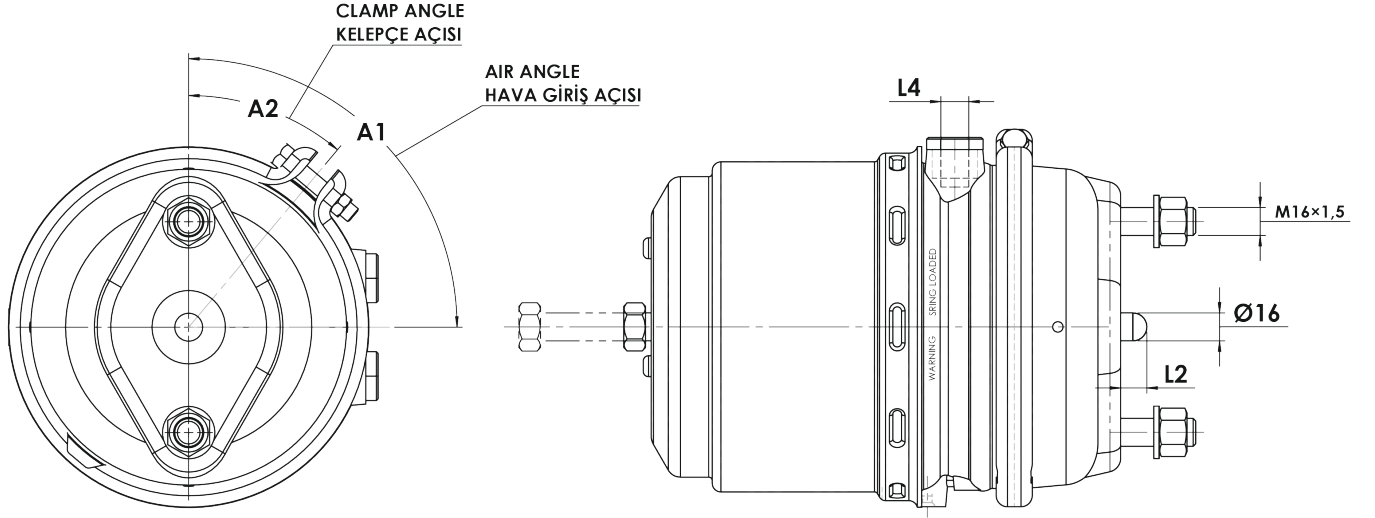
**STROKE 57/57 (WITHOUT PLATE)
FIG. 1**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4	
BP1616 20406		925 424 8000		BS9396 K007647 BS9383 0482514309000	81504109739 MAN 81504106581 MAN 8150416583 MAN 81504109583 MAN 81504106739 MAN	81504106583 MAN 1505435 DAF 500337674 IVECO 5010422319 RENAULT 443219X600 NISSAN	1	15	M22X1,5
BP1616 20407	AA.10503.1	925 464 4500		BS9397 II311227 BS9391	A0174208818 MB-EVOBUS 0174208818 MB 1505447 DAF 0203278600 BPW 336679 KÖGEL	334655 KÖGEL A3A827201 FRUEHAUF M076154 FRUEHAUF 58128670 KRONE 5812867 KRONE	1	15	M16X1,5
BP1616 20408	AA.10503.2	925 464 4510		BS9390	A0174208918 MB-EVOBUS 0174208918 MB 0203278700 BPW 336681 KÖGEL	M076162 FRUEHAUF A3A827202 FRUEHAUF 5812868 KRONE 58128680 KRONE	1	15	M16X1,5
BP1616 20409		925 486 4000	925 466 4000		0204207218 MB A0154201618 MB A0204207218 MB 0154201618 MB		1	15	M22X1,5
BP1616 20410		925 486 4010	925 466 4010		A0154201518 MB-EVOBUS 0204207118 MB A0204207118 MB 0154201518 MB		1	15	M22X1,5
BP1616 20411					0500001030 BPW		1	15	M16X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

12/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

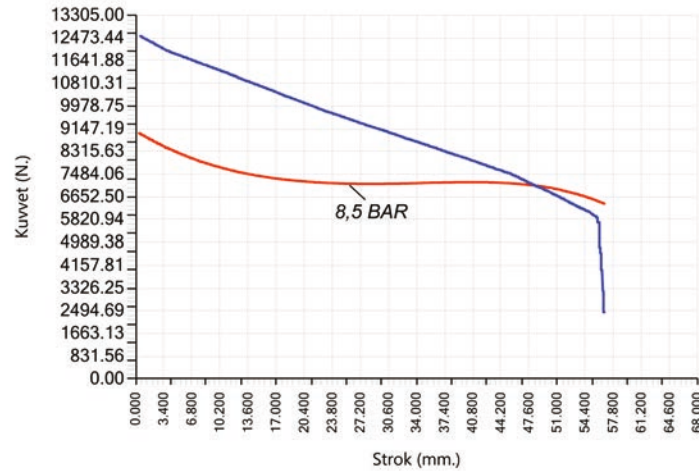
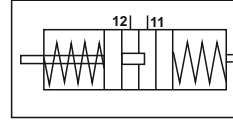


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

12/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



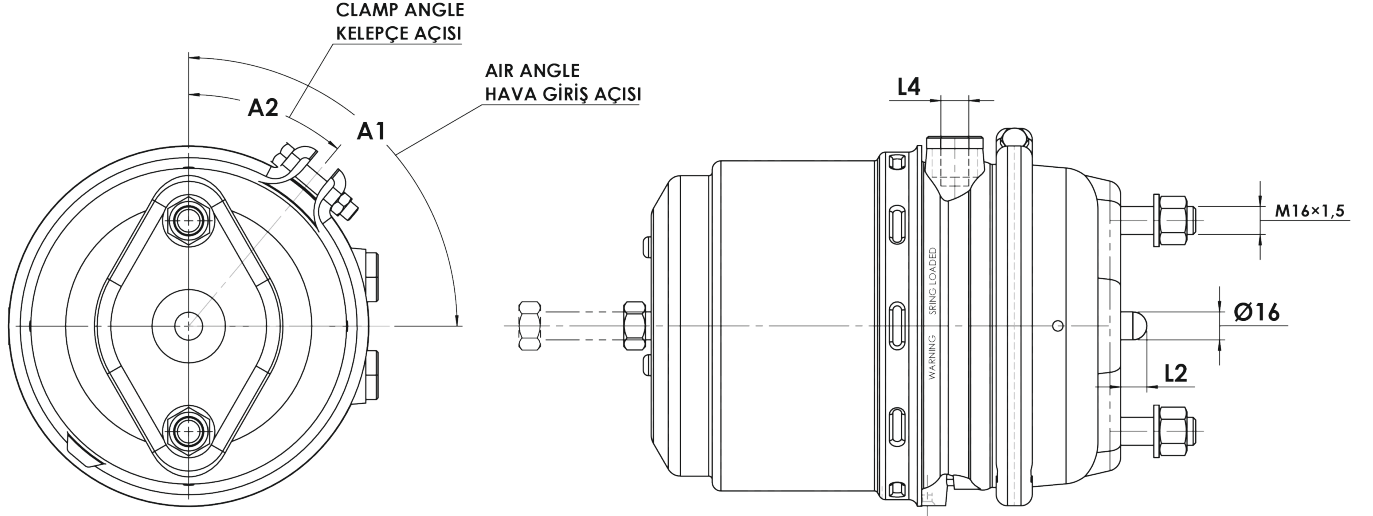
STROKE 57/57 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
BP1224 20412	AA.10080.3	925 486 0110	925 466 0110	BS9202	0204203218 MB A0204203218 MB 0174209618 MB 0154205618 MB	A0154205618 MB - EVOBUS ZG046340002 MAN 1506272 DAF	1	15	M22X1,5
BP1224 20413	AA.10080.2	925 486 0100	925 466 0100	BS9201	A0204203118 MB 0154205518 MB 0204203118 MB 0174209518 MB A0154205518 MB - EVOBUS	ZG046330002 MAN 1506228 DAF 1505449 DAF	1	15	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

14/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

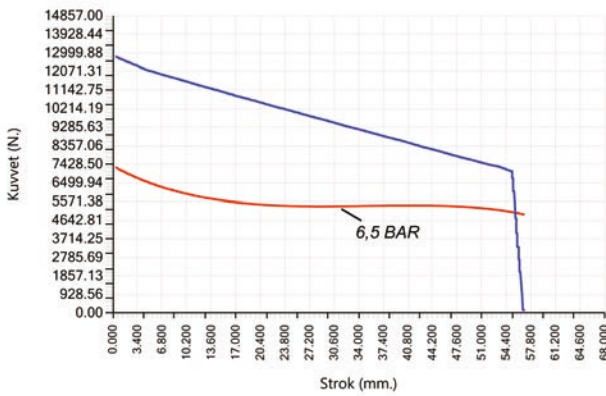
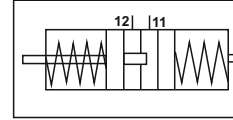


FIG. 1

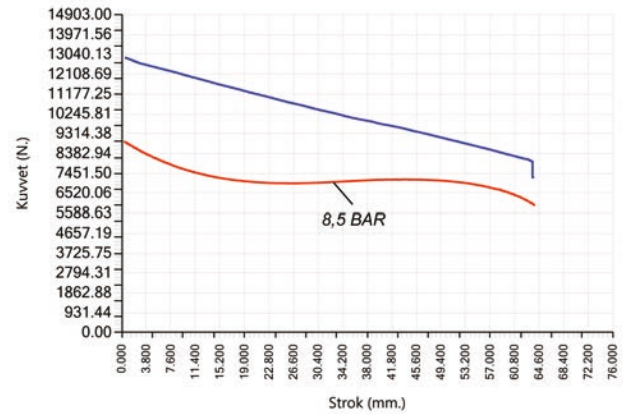


FIG. 3

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

14/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



**STROKE 57/57
FIG. 1**

(WITHOUT PLATE)



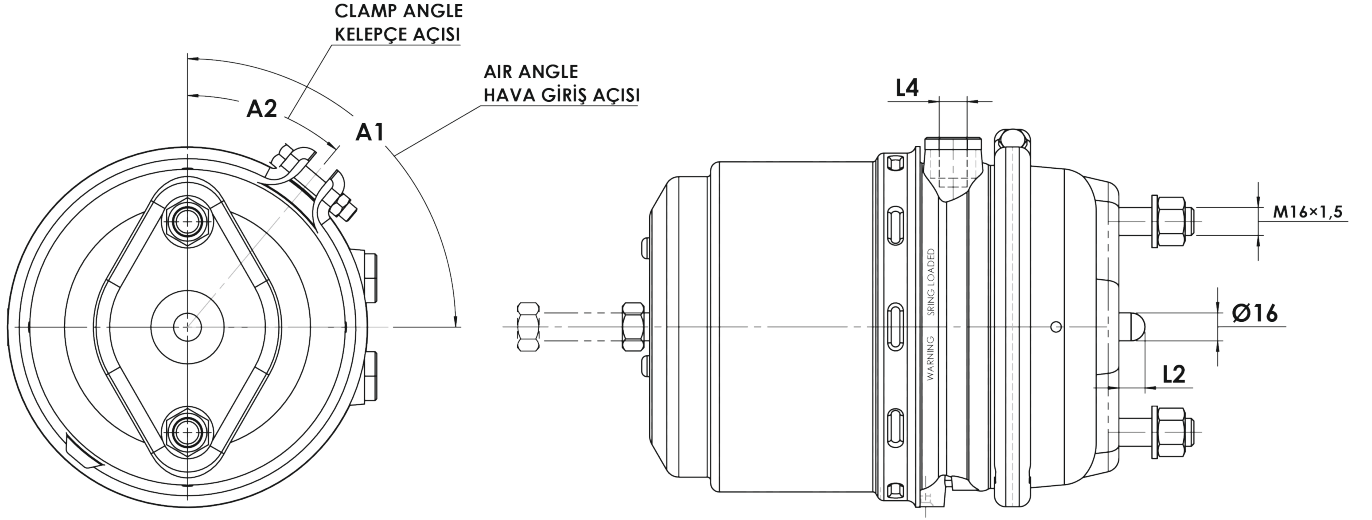
**STROKE 65/65
FIG. 3**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BP1424 20414	AA.10090.3	925 488 0120 925 488 0140	925 468 0120	BS9253	A0194205118 MB A0154205718 MB 0154205718 MB	194205118 MB 1525 765 DAF 1935 466 SCANIA	15	M22X1,5
BP1424 20415		925 488 0150 925 488 0130	925 468 0130		A0154205818 MB 0154205818 MB A0194205018 MB	0194205018 MB 1524500 DAF	15	M22X1,5
BP1424 20416		925 488 0100			1517296 DAF		15	M22X1,5
BP1424 20418		925 488 0000	925 468 0000	BS9253	0204201318 MB A0204201318 MB A0154202918 EVOBUS 1505452 DAF		15	M22X1,5
BP1424 20419		925 488 0010	925 468 0010	BS9254	A0154203018 EVOBUS 0204201418 MB		15	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

16/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

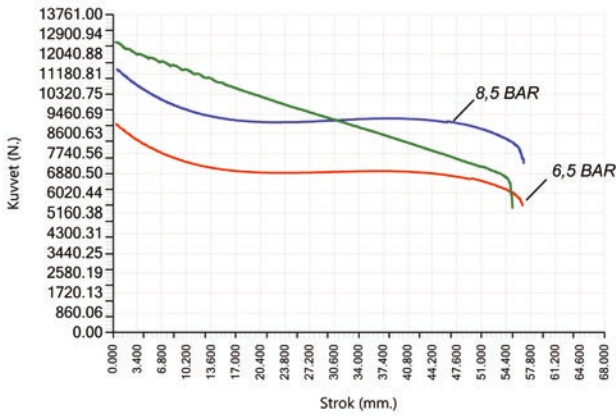
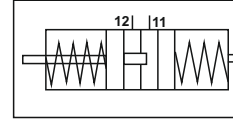


FIG. 1

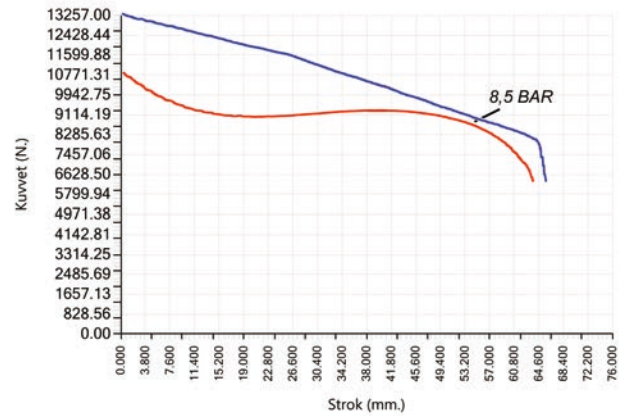


FIG. 3

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

16/24 / DP

DİYAFRAM / PİSTON DIAPHRAGM / PISTON



(WITHOUT PLATE)

**STROKE 57/57
FIG. 1**



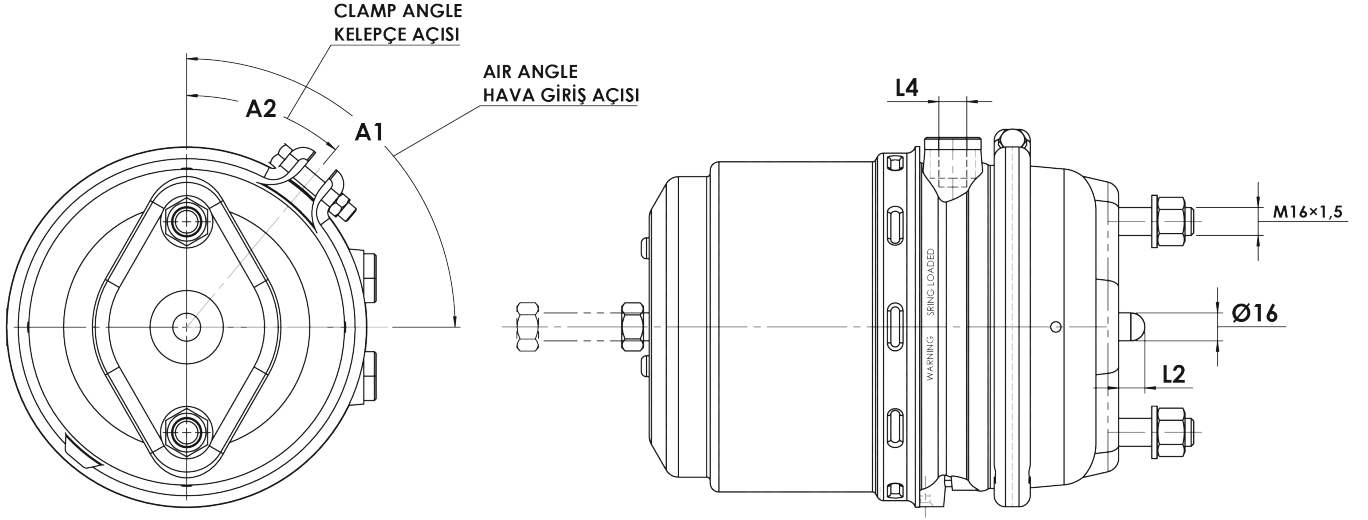
**STROKE 65/65
FIG. 3**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BP1624 20420	AA.10083	925 464 5000		BS9304	0184205318 MB A0184205318 MB - EVOBUS 1505448 DAF 0203278800 BPW 505821377 KRONE	1	15	M16X1,5
BP1624 20421	AA.10083.1	925 464 5017 925 464 5050 925 464 5010		BS9304	A0204206018 MB 0184205218 MB A0184205218 MB-EVOBUS 1518162 DAF	1	15	M16X1,5
BP1624 20465	AA.10083.4	884 008 7740				1	15	M22X1,5
BP1624 20422	AA.10083.13	925 484 0100 925 484 0000	925 464 0000	BS9308	A0194205318 MB A0154203318 MB 0154204118 MB 0154203318 MB 0194205318 MB	3	15	M22X1,5
BP1624 20423		925 464 0040			A0174208618 MB 0174208618 MB	3	15	M22X1,5
BP1624 20464	AA.10083.14	925 484 0110			A0194205518 MB	3	15	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

20/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

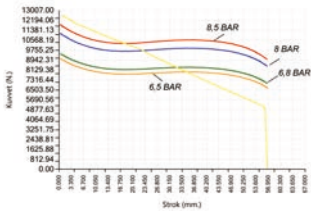
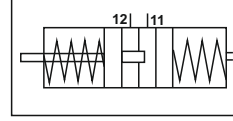


FIG. 1

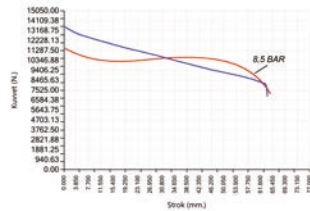


FIG. 2

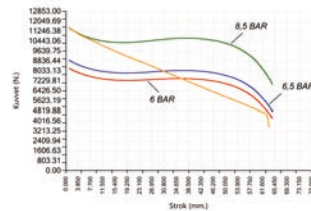


FIG. 3

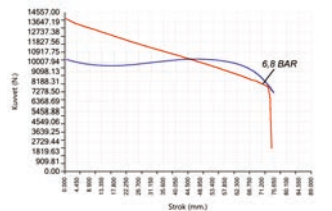


FIG. 4

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

20/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON

(WITHOUT PLATE)



STROKE 57/57
FIG. 1



STROKE 65/65
FIG. 2



STROKE 65/65
FIG. 3



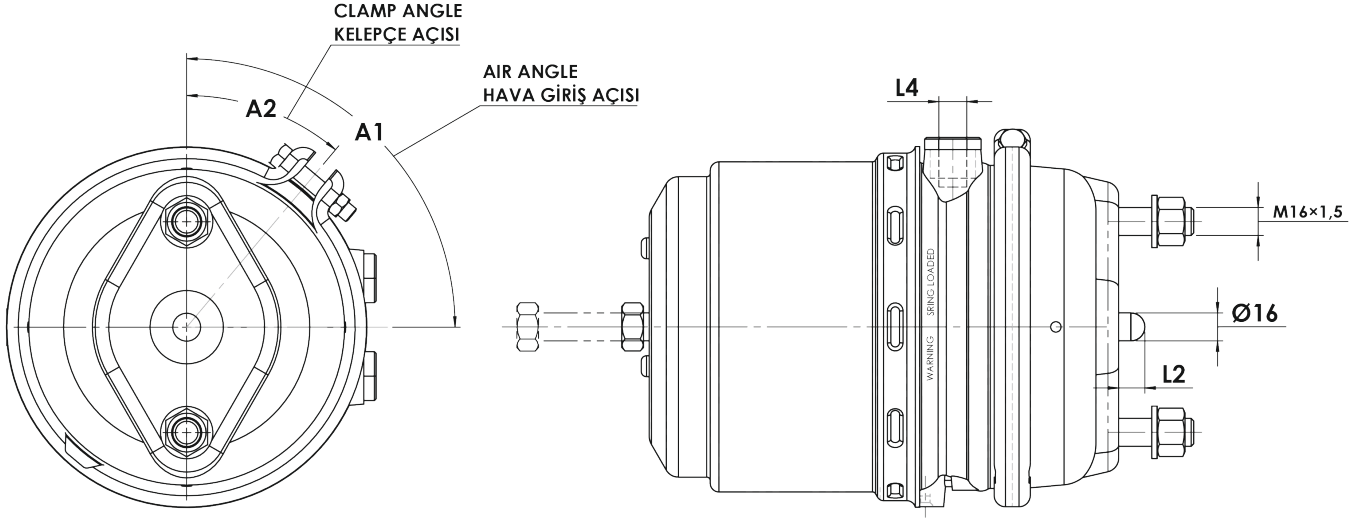
STROKE 75/75
FIG. 4

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BP2024 20424	AA.10084	925 460 0270			1522314 DAF 20361844 VOLVO	1	15	M16X1,5
BP2024 20425	AA.10084.15 AA.10084.12	925 480 0350	925 460 0350		A0184206318 MB A0204205818 MB	1	15	M22X1,5
BP2024 20426	AA.10084.17	925 480 0107 925 480 0100	925 460 0107 925 460 0100	BS9404 BS9405	A0204203318 MB 0154208518 MB A0154207518 MB -EVOBUS 0204204918 MB	2	15	M22X1,5
BP2024 20427	AA.10084.18	925 480 0117 925 480 0110	925 460 0117 925 460 0110	BS9406	A0204203418 MB 0204203418 MB 0154208618 MB 0204205018 MB A0154207618 MB -EVOBUS 1519190 DAF	2	15	M22X1,5
BP2024 20428		925 460 1010		BS9486	A0184205618 MB 1935450 SCANIA 0184205618 MB 0203276700 BPW 1519192 DAF 499027 ORTHAUS WA9254601010 VOLVO	2	15	M16X1,5
BP2024 20429	AA.10084.8	925 460 0740			5010525321 RENAULT	2	15	M22X1,5
BP2024 20430	AA.10084.21	925 480 0040 925 480 0047	925 460 0007 925 460 0000	BS9411 BS9412	A0194205518 MB 0154204718 MB A0154204318 MB 0194206518 MB 0194205518 MB 1505439 DAF 0154204318 MB 1519442 DAF 0214209518 MB	3	15	M22X1,5
BP2024 20431	AA.10084.22	925 480 0010 925 480 0050 925 480 0057	925 460 0010 925 460 0017	BS9412	A0194205418 MB 0194206418 MB A0154204418 MB 0194205418 MB 0214209418 MB 1519189 DAF 0154204418 MB 1506681 DAF 0154204618 MB	3	15	M22X1,5
BP2024 20432		925 460 2200				4	20	M16X1,5
BP2024 20433		925 460 2210				4	20	M16X1,5
BP2024 20434		925 460 1300			81504106820 MAN 1518159 DAF	4	20	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

24/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

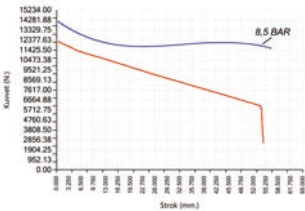
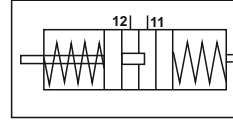


FIG. 1

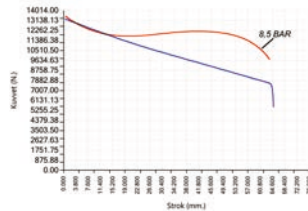


FIG. 2

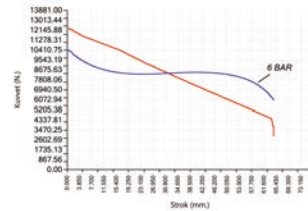


FIG. 3

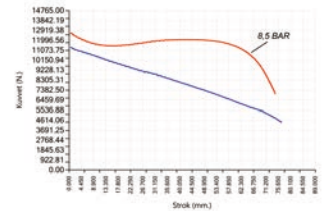


FIG. 4

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

24/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON

(WITHOUT PLATE)



STROKE 57/57
FIG. 1



STROKE 65/65
FIG. 2



FIG. 2A



STROKE 65/65
FIG. 3



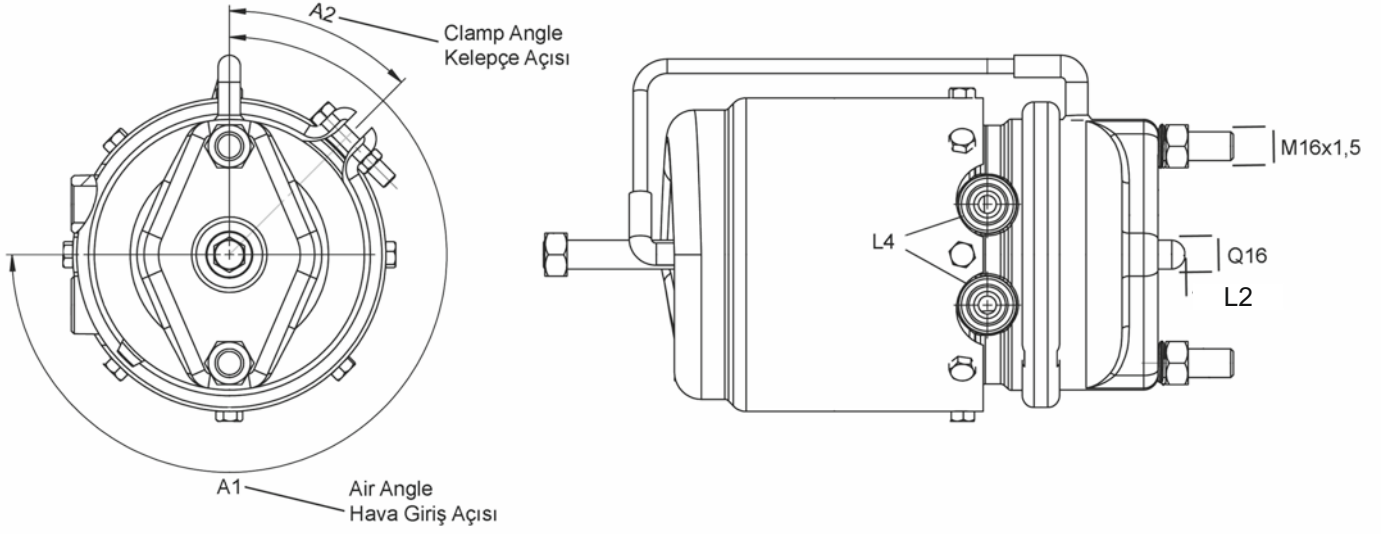
STROKE 75/75
FIG. 4

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4	
BP2424 20435	AA.10085.19	925 481 0000	925 461 0000	BS9500	A0154209118 MB A0204204218 MB	0154209118 MB 0204204218 MB	1	15	M22X1,5
BP2424 20436	AA.10085	925 461 0320			4454105600 SAF /SAUER		1	15	M16X1,5
BP2424 20437	AA.10085.7	925 481 2200			MB		1	15	M22X1,5
BP2424 20438	AA.10085.21	925 481 0127 925 481 0120 925 481 0100	925 461 0107 925 461 0100	BS9504	A0194205718 MB A0154209318 MB 0154209318 MB 0154209718 MB	0194206718 MB 1519378 DAF DONFENG HOWO	2	15	M22X1,5
BP2424 20439	AA.10085.15	925 481 0327 925 481 0320 925 461 1010	925 461 0700	BS9504	20466070 VOLVO 20721845 VOLVO 85000253 VOLVO 85000466 VOLVO	3987614 VOLVO 8113459 VOLVO 1935462 SCANIA 8500253 SCANIA	2 A	15	M16X1,5
BP2424 20440	AA.10085.25 AA.10085.23	925 481 0040 925 481 0500 925 481 3600 925 481 3620			7421401943 RENAULT 20522028 VOLVO 21596227 VOLVO 7421596229 RENAULT		2 A	15	M16X1,5
BP2424 20447		925 481 1170			7420809444 RENAULT		2 A	15	M16X1,5
BP2424 20443	AA.10085.16	925 461 1020			20466071 VOLVO		2 A	15	M16X1,5
BP2424 20444	AA.10085.17	925 461 1030			20466072 VOLVO		2 A	15	M16X1,5
BP2424 20445		925 481 1160			20742392 VOLVO		2 A	15	M16X1,5
BP2424 20446	AA.10085.14	925 461 0550					2	26	M22X1,5
BP2424 20442	AA.10085.11	925 461 2410			1439374 DAF		3	15	M22X1,5
BP2424 20448	AA.10085.12	925 461 0360			1608983 DAF		3	15	M22X1,5
BP2424 20449		925 481 2600			21115362 VOLVO		4	20	M22X1,5
BP2424 20450		925 461 2100			A0154209318 MB 0154209318 MB	81504106660 MAN	4	26	M22X1,5
BP2424 20451		925 461 2110			81504106661 MAN		4	26	M22X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

20/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

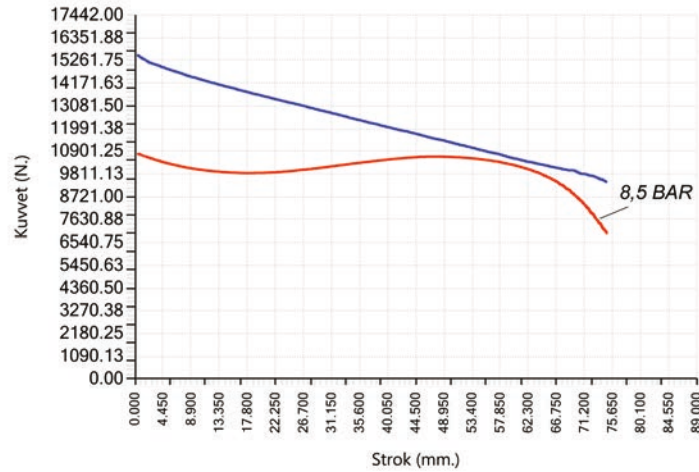
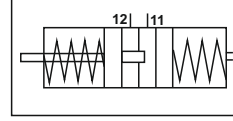


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

20/30 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



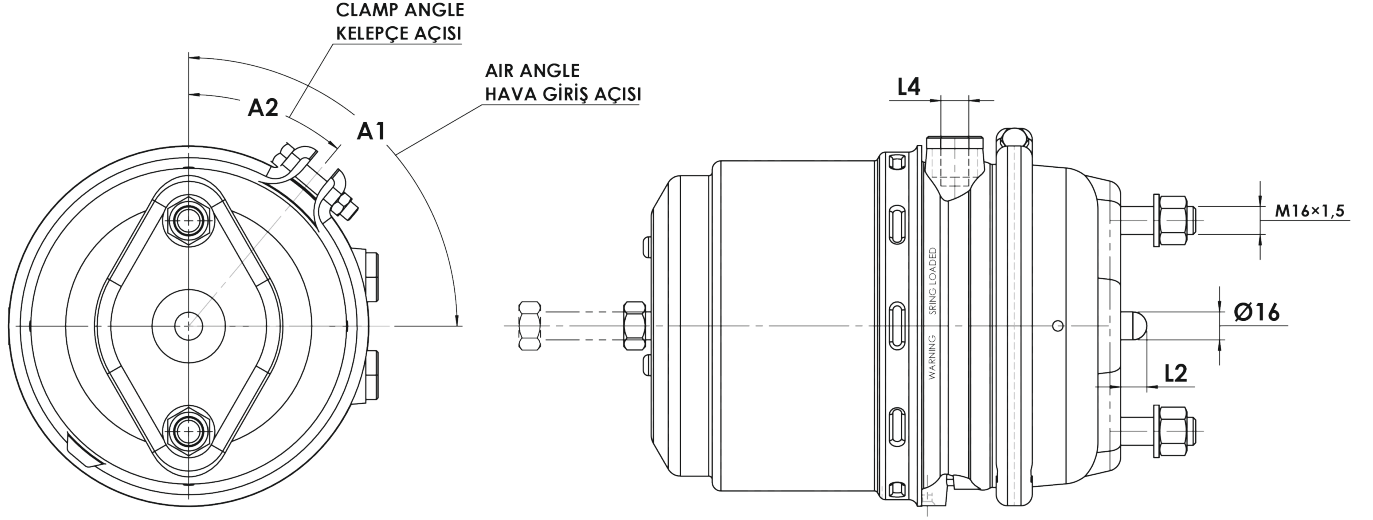
STROKE 75/75 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT	
BP2030 20452	AA.10507.1				5001848403 RENAULT	MERITOR	1	26	M16X1,5
BP2030 20453	AA.10507.2				5001848402 RENAULT	MERITOR	1	26	M16X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

24/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

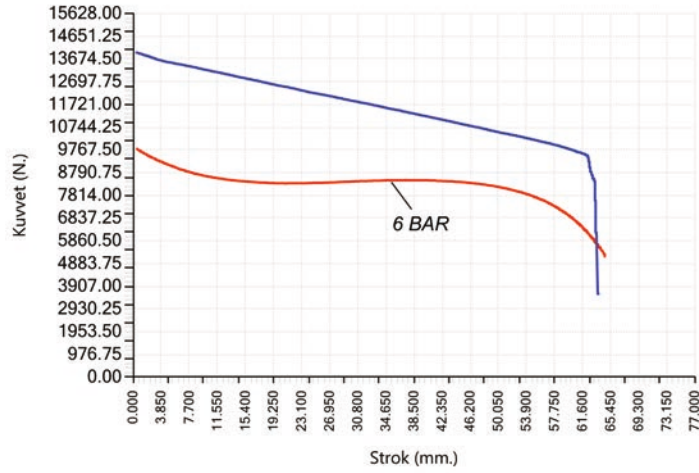
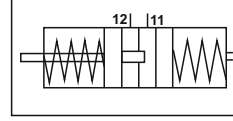


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

24/30 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



FIG. 1A

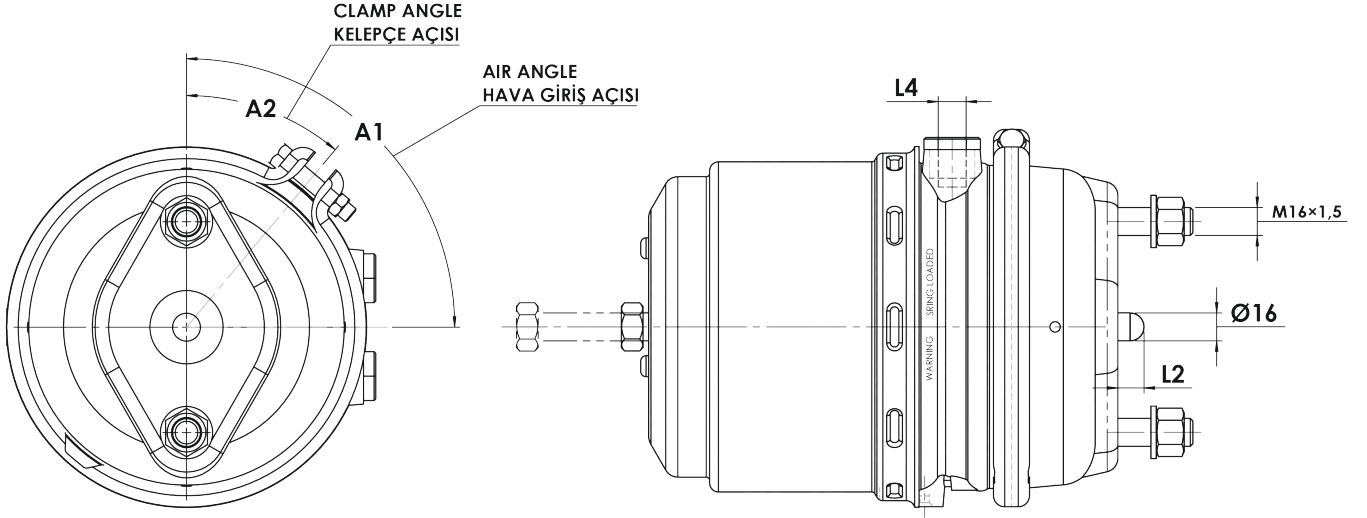
STROKE 65/65 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT L4
BP2430 20454	AA.10086.1	925 461 4710			3177336 VOLVO	1 A	15	M16X1,5
BP2430 20455	AA.10086	925 481 0700 925 461 4720			20721842 VOLVO 3197931 VOLVO 20410136 VOLVO	1 A	15	M16X1,5
BP2430 20456	AA.10086.2	925 461 4700			3177336 RENAULT 3177337 VOLVO	1 A	15	M16X1,5
BP2430 20457		925 481 1210 925 481 1220			7420533192 RENAULT 20533192 RENAULT 20742390 VOLVO	1 A	15	M16X1,5
BP2430 20458		925 481 1230 925 481 1200			20742391 VOLVO 7420533193 RENAULT	1 A	15	M16X1,5
BP2430 20459	AA.10086.5	925 461 3210			1481538 SCANIA	1	15	M16X1,5
BP2430 20460	AA.10086.4	925 461 3200			1481537 SCANIA	1	15	M16X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

27/30

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

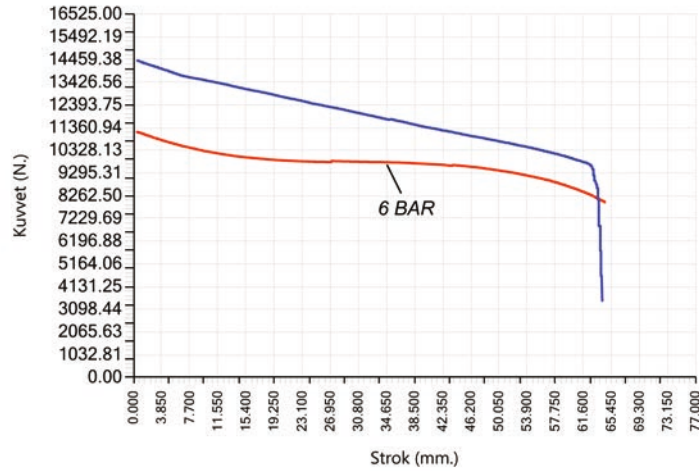
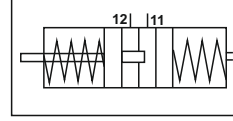


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

27/30 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



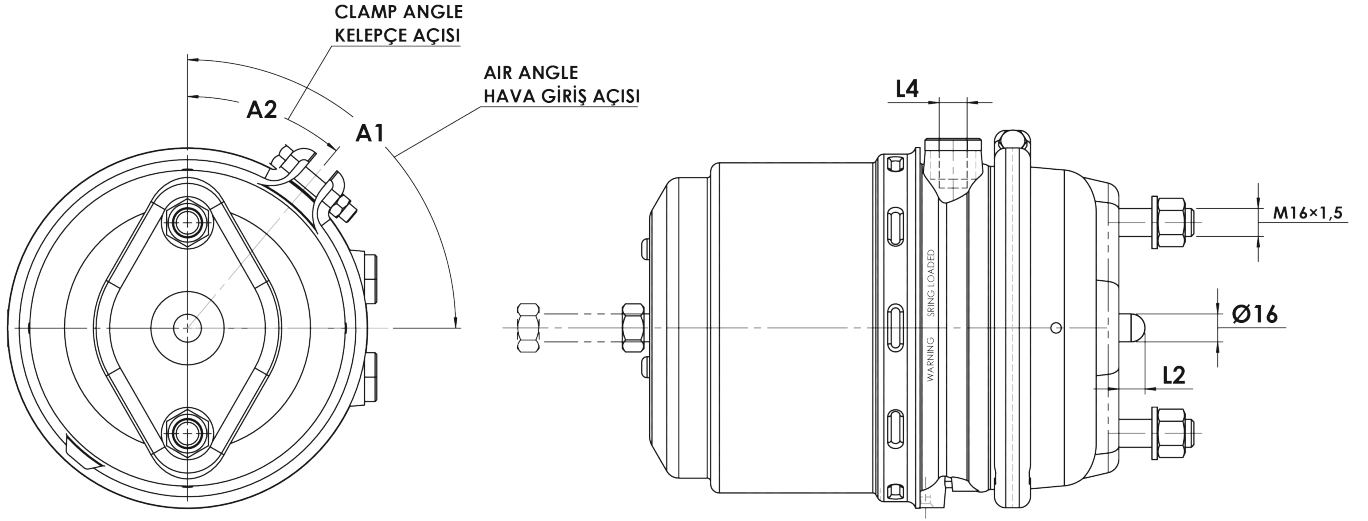
**STROKE 65/65 (WITHOUT PLATE)
FIG. 1**

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BP2730 20461	AA.10089	925 489 1000			20524515 VOLVO	1	15	M16X1,5
BP2730 20462	AA.10089.1	925 489 1010			20512225 VOLVO	1	15	M16X1,5

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

30/30

DP



Type / Tip	D / P
Operating Pressure Çalışma Basıncı	Air Hava
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$ $\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$ $\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min

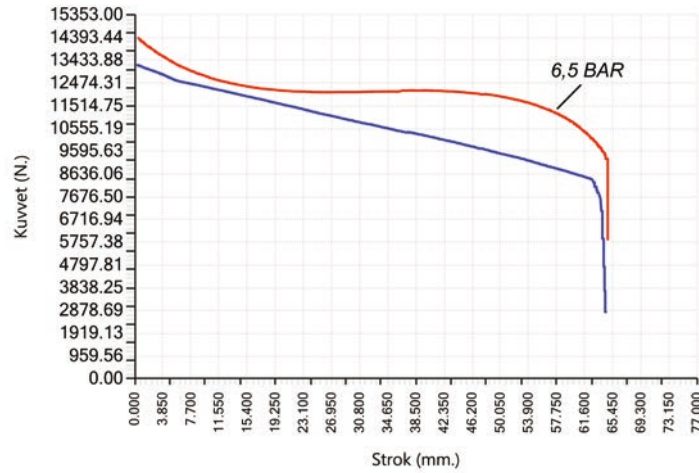
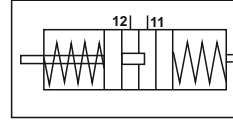


FIG. 1

İMDATLI DİSK FREN KÖRÜĞÜ SPRING DISC BRAKE CHAMBER

30/30 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



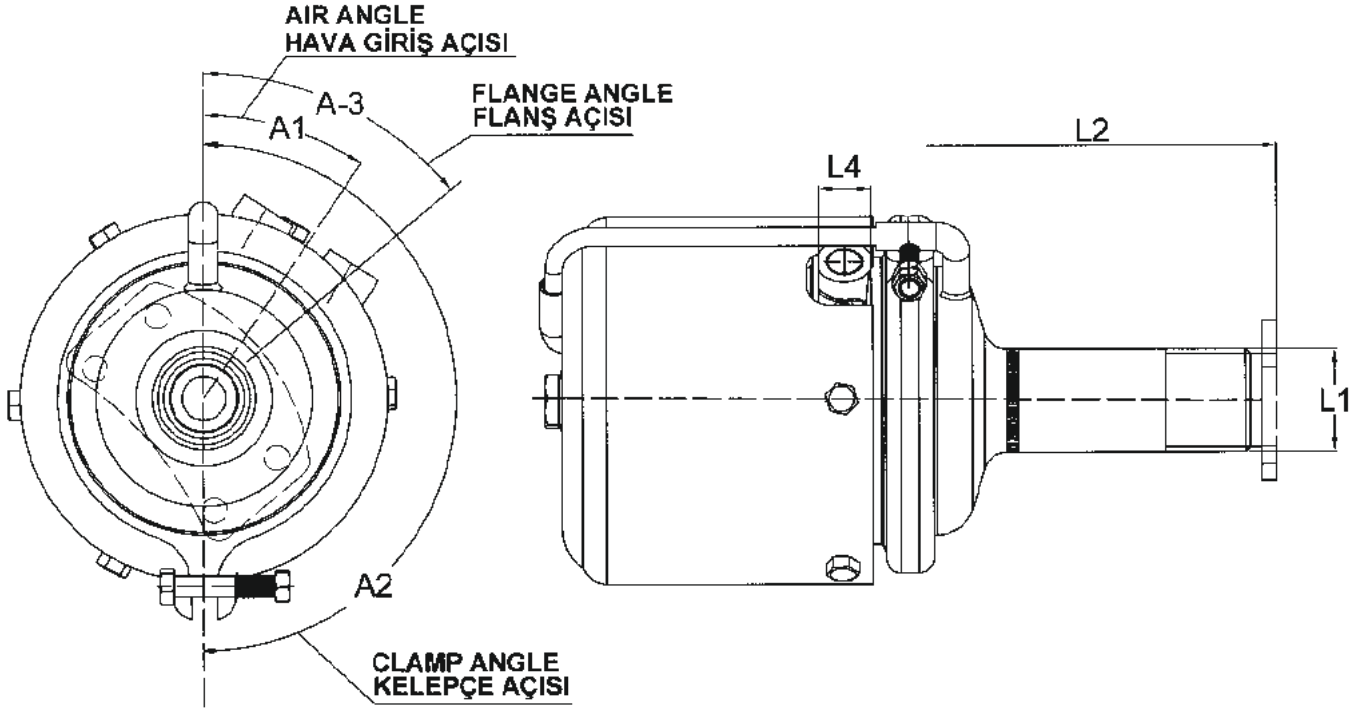
STROKE 65/65 (WITHOUT PLATE)
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO ALTERNATIVE CODE	WABCO ESKİ KOD OLD CODE	KNORR	OEM	FIG.	ŞAFT PUSH ROD Length Uzunluk L2	HAVA GİRİŞ AIR PORT
BP3030 20463	AA.10087					1	15	M16X1,5

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

9/6200 / DP

9/7400 / DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	11 10 bar	12 8.5 bar
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	11 13 bar	12 10 bar
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

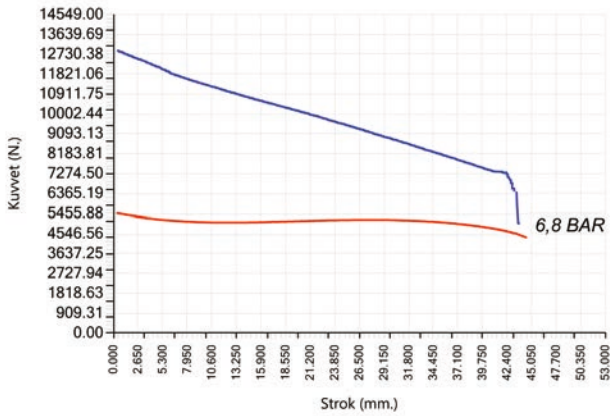
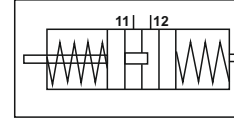


FIG. 1

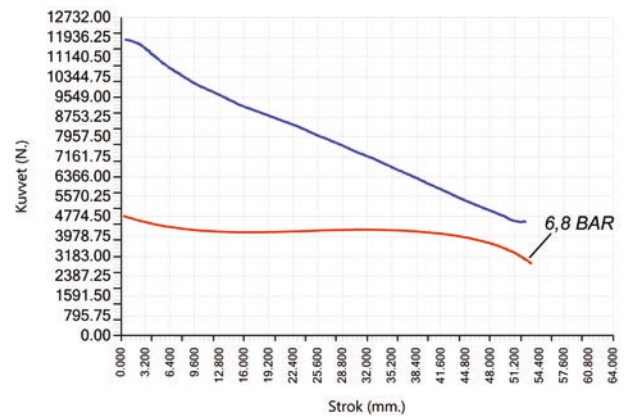


FIG. 2

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

9/6200 / DP

9/7400 / DP

DIYAFRAM / PİSTON
DIAPHRAGM / PISTON



**STROKE 44,5/44,5
STROKE 53/53
FIG. 1**



**STROKE 44,5/44,5
FIG. 2**

9/6200 / DP

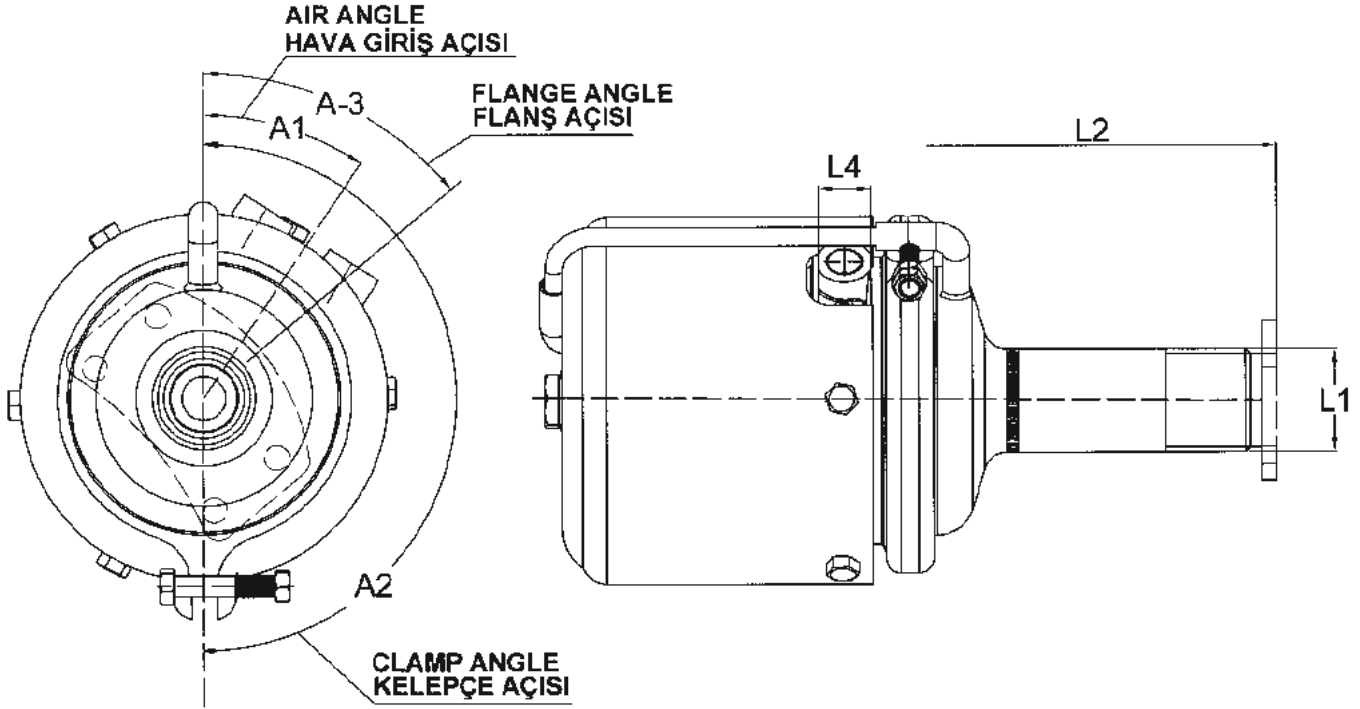
KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP9620 30401	AA.10106.0			91CT2025EA FORD	1	1 3/4-12UNS	187	M16X1,5	—
BP9620 30402	AA.10106.7	425 426 0620			1	1 3/4-12UNS	187	M16X1,5	—
BP9620 30403	AA.10106.5			BATISAN	2	—	180	M16X1,5	✓
BP9620 30404				CARGO	2	—	225	M16x1,5	✓

9/7400 / DP

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP9740 30405	AA.10106			95CT2025BA FORD	1	1 3/4-12UNS	187	M16X1,5	—

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

12/6200 / DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	11 10 bar	12 8.5 bar
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	11 13 bar	12 10 bar
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

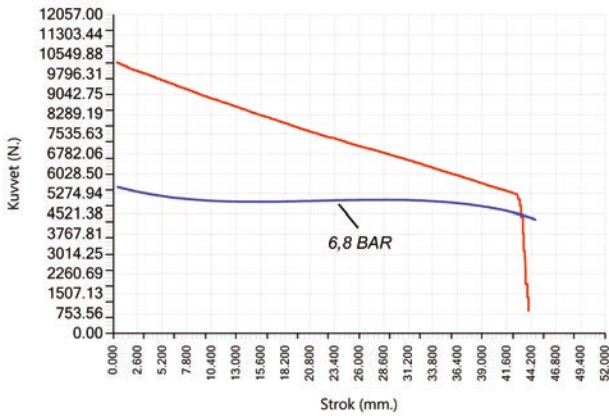
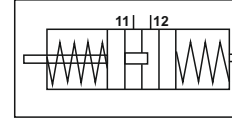


FIG. 1

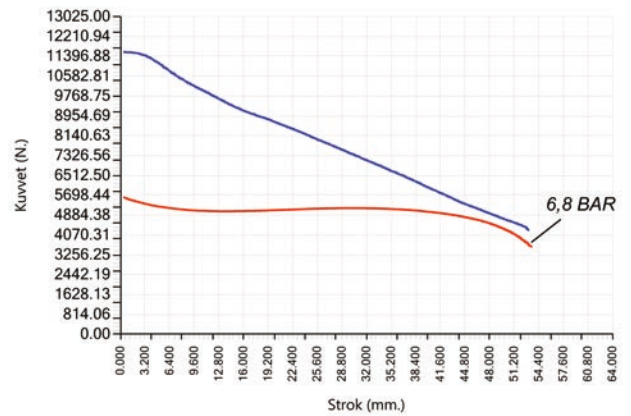


FIG. 2

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

12/6200 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 44,5/44,5
STROKE 53/53
FIG. 1



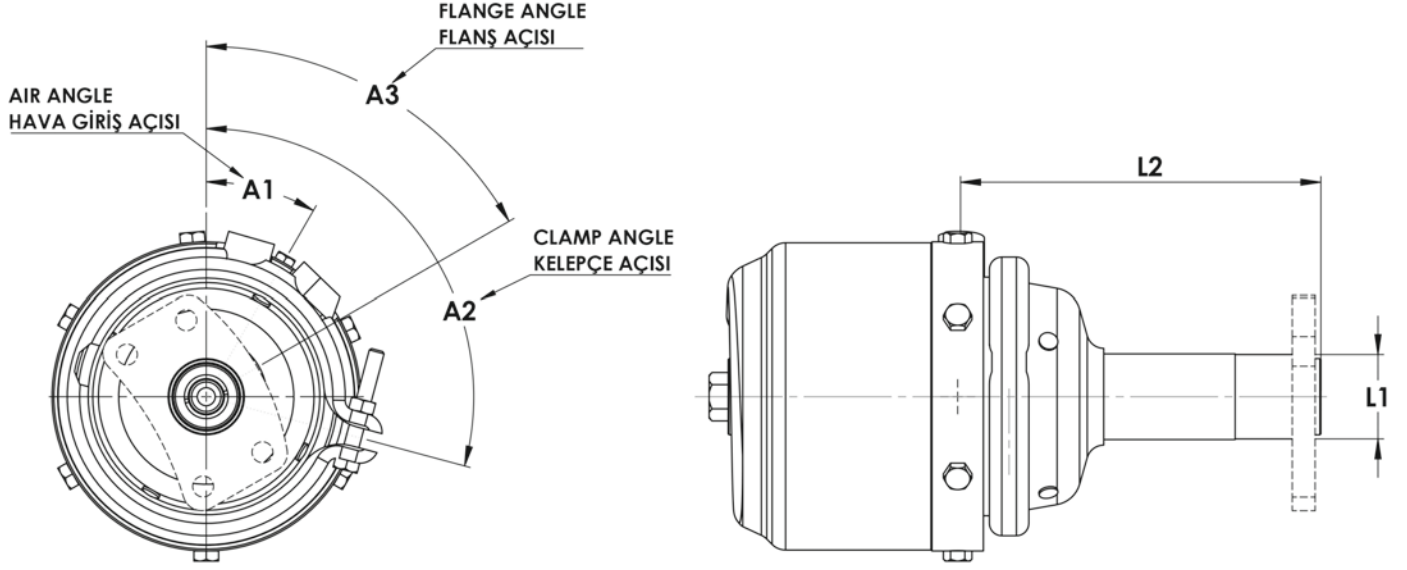
STROKE 44,5/44,5
FIG. 2

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP1262 30406	AA.10107				1	1 3/4-12UNS	157	M16X1,5	–
BP1262 30407	AA.10107.2			93CT2025OA FORD	1	1 3/4-12UNS	187	M16X1,5	–
BP1262 30408	AA.10107.1			Y.M CARGO	1	M48X2	187	M16X1,5	–
BP1262 30409		423 327 0640	BY7221 BY7226 BFM121BX	1518655 DAF 42072532 IVECO CARGO	1	1 3/4-12UNS	187	M16X1,5	–
BP1262 30410		425 354 0500	BY8203	81504106377 MAN 81504106382 MAN	1	M48X1,5	180	M16X1,5	–
BP1262 30411		425 327 0620			1	1 3/4-12UNS	250	M16X1,5	–
BP1262 30423				3C46-2025-BA	1	1 3/4-12UNS	168	M16X1,5	–
BP1262 30424				93CT-2025-DB	1	1 3/4-12UNS	193	M16X1,5	–
BP1262 30425				VXCT-2025-AA	1	1 3/4-12UNS	250	M16X1,5	–
BP1262 30426				6C46-2025-EA	1	M48X2	250	M16X1,5	–
BP1262 30427				6C46-2025-FA	1	M48X2	193	M16X1,5	–
BP1262 30428				6C46-2025-DA	1	M48X2	168	M16X1,5	–
BP1262 30412	AA.10107.5			BATISAN	2	–	180	M16X1,5	✓

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

16/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

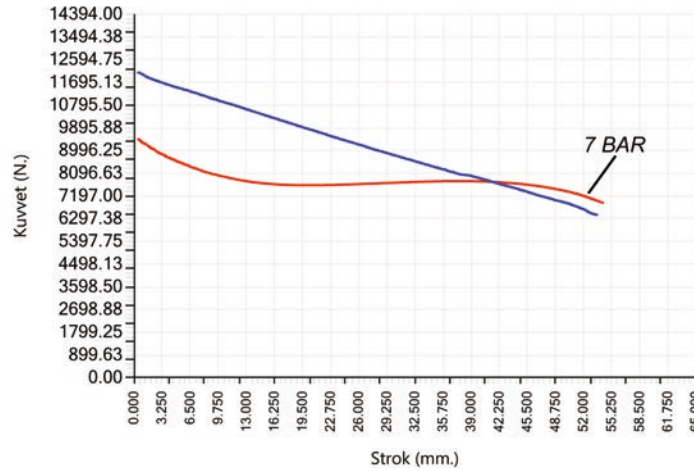
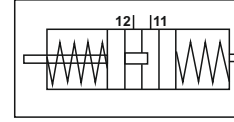


FIG. 1 - FIG. 2

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

16/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 53/53
FIG. 1



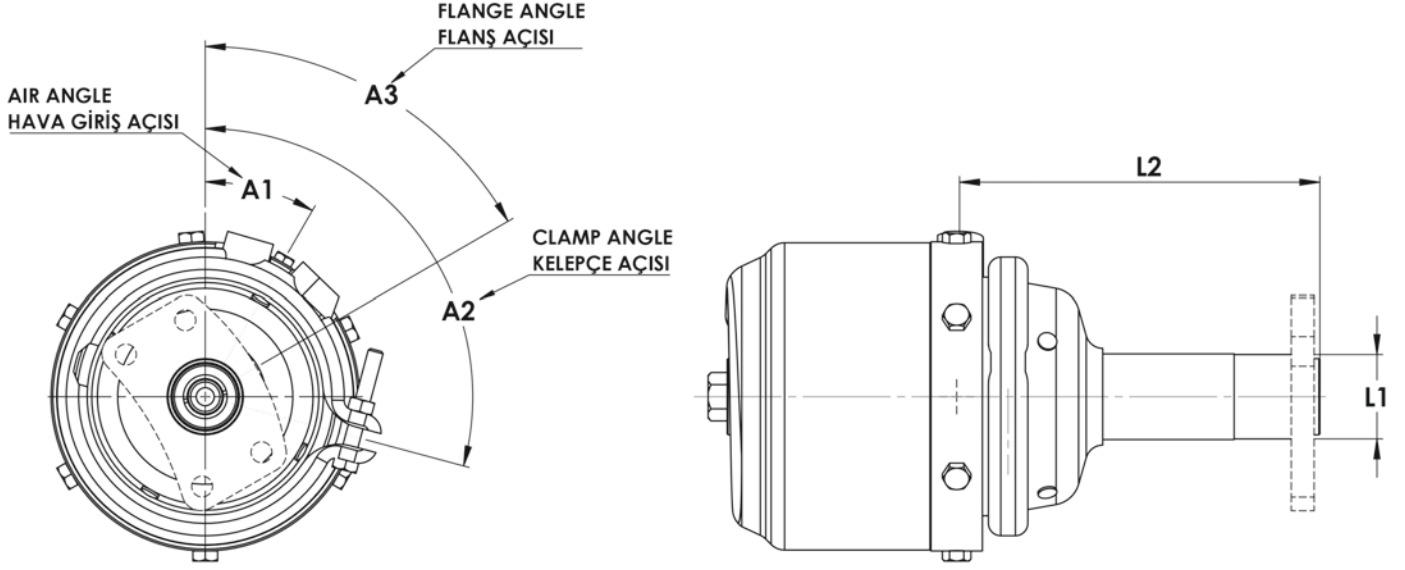
STROKE 53/53
FIG. 2

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP1624 30413	AA.10121.4			IVECO 57RS304819 BMC	1	M48X2	190	M16X1,5	—
BP1624 30414					1	1 3/4-12UNS	318	M16X1,5	—
BP1624 30415	AA.10121.5				2	—	174	M22X1,5	✓
BP1624 30416	AA.10121.3				2	—	180	M16X1,5	✓

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

18/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

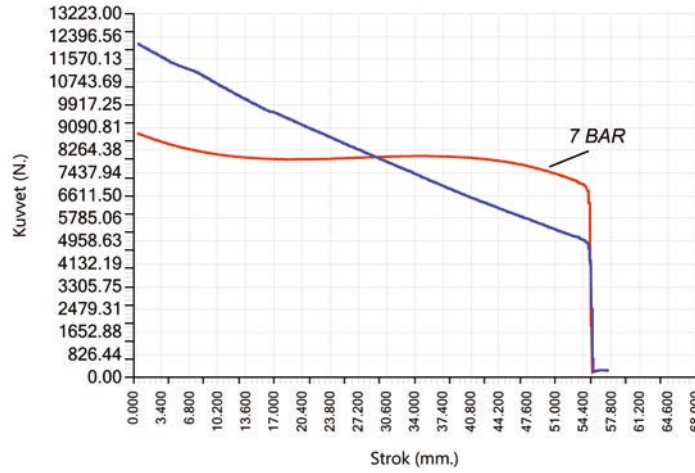
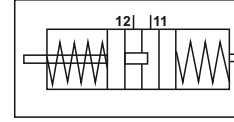


FIG. 1

BORULU FREN KÖRÜĞÜ
WEDGE TYPE BRAKE CHAMBER

18/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



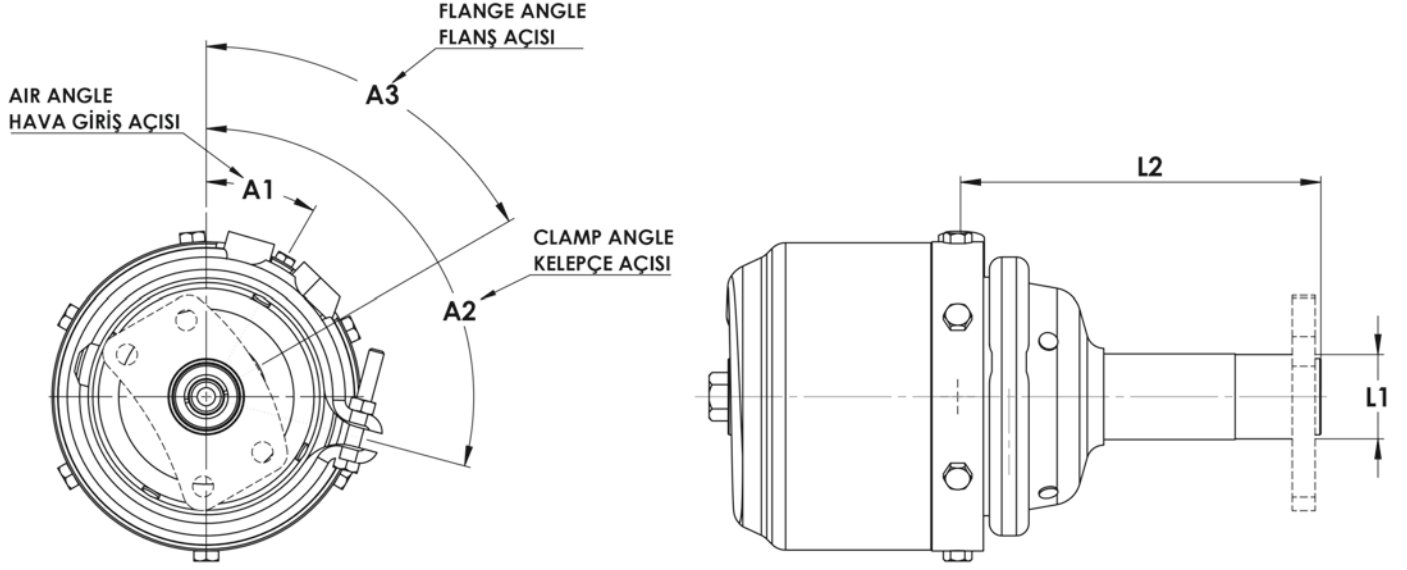
STROKE 53/53
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP1824 30417					1	M48X1,5	180	M22X1,5	—

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

20/24

DP



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsaade Edilen Kaçak	10 cm ³ / min	

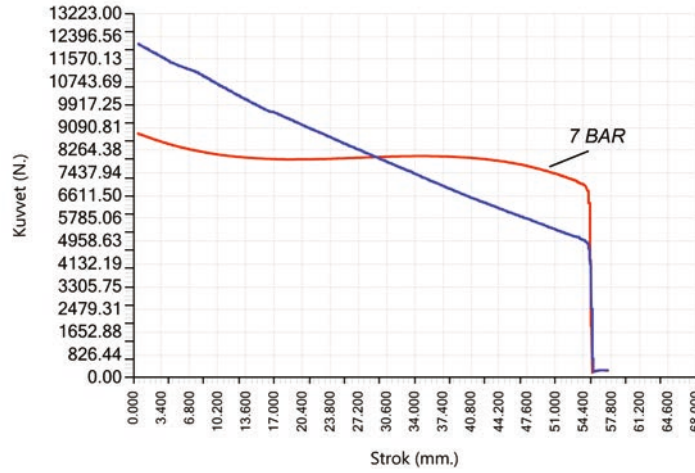
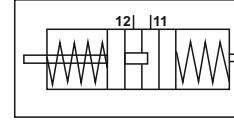


FIG. 1

BORULU FREN KÖRÜĞÜ WEDGE TYPE BRAKE CHAMBER

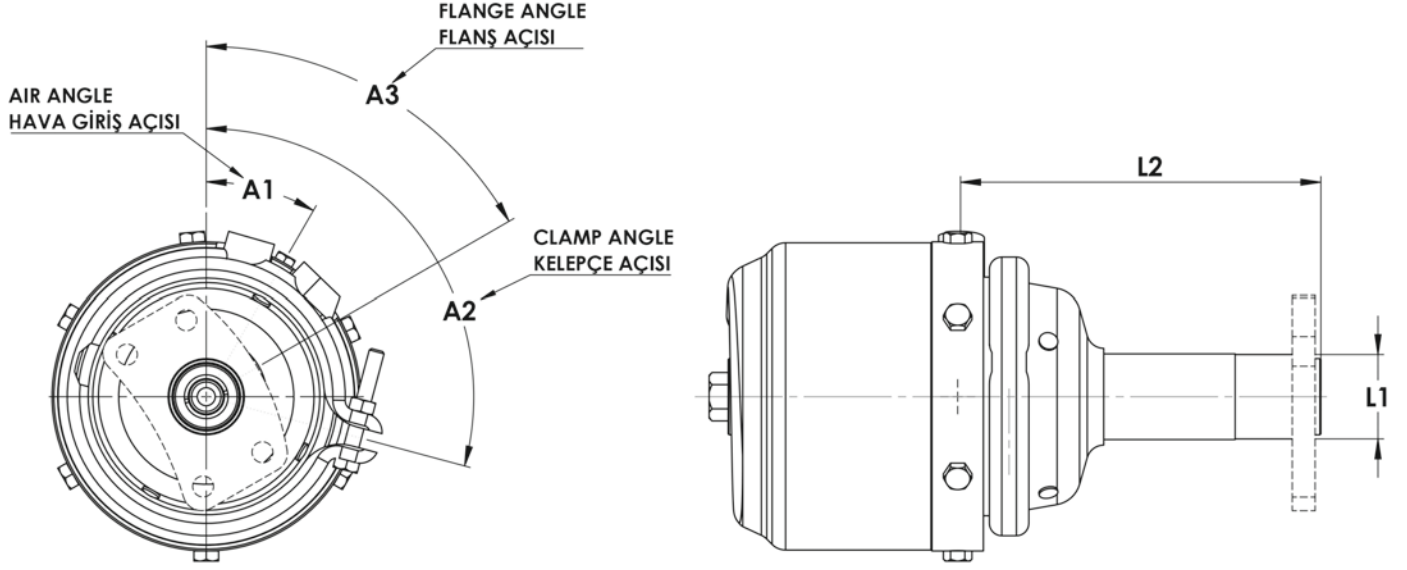
20/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 53/53
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP2024 30418			BY9401	8169241 IVECO 08169241 IVECO	1	M48X2	180	M16X1,5	—
BP2024 30419	AA.10122.1				1	M48X2	174	M16X1,5	—
BP2024 30420	AA.10122.2			IVECO	1	M48X2	190	M16X1,5	—



Type / Tip	D / P	
Operating Pressure Çalışma Basıncı	Air Hava	
Permissible Medium Çalışma Ortamı	$\frac{11}{10 \text{ bar}}$	$\frac{12}{8.5 \text{ bar}}$
Operating Temperature Range Çalışma Sıcaklığı	-40°C +80°C	
Control Pressure Kontrol Basıncı	$\frac{11}{13 \text{ bar}}$	$\frac{12}{10 \text{ bar}}$
Permissible Leakage Müsade Edilen Kaçak	10 cm ³ / min	

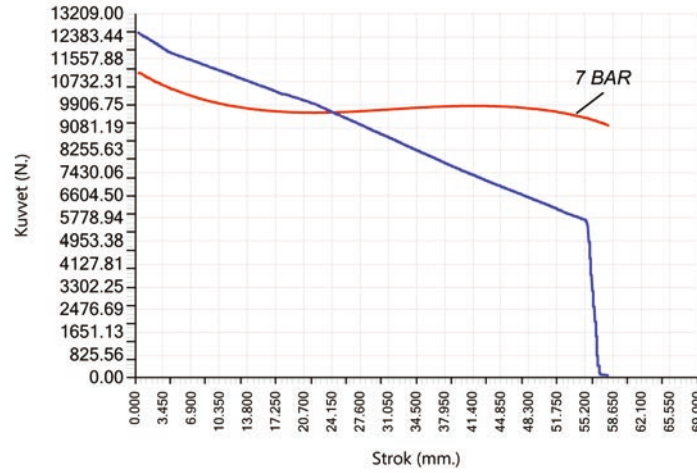
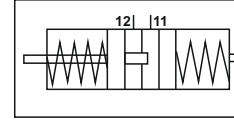


FIG. 1

BORULU FREN KÖRÜĞÜ
WEDGE TYPE BRAKE CHAMBER

24/24 / DP

DİYAFRAM / PİSTON
DIAPHRAGM / PISTON



STROKE 57/57
FIG. 1

KANCA YENİ KOD NEW CODE	KANCA ESKİ KOD OLD CODE	WABCO CODE	KNORR	OEM	FIG.	BORU TUBE		HAVA GİRİŞ AIR PORT L4	FLANŞ FLANGE
						Thread Vida L1	Length Uzunluk L2		
BP2424 30421	AA.10123.1			IVECO	1	M48X2	194	M16X1,5	–
BP2424 30422				IVECO	1	M48X2	275	M16X1,5	–

ÖZEL ÜRÜNLER
SPECIAL PRODUCTS



T30 AXLE SERVICE BRAKE CHAMBER
STROKE 75/75
BS0030 10041



T36 AXLE SERVICE BRAKE CHAMBER
STROKE 75/75
BS0036 10042



T36 S-CAM SERVICE BRAKE CHAMBER
STROKE 75/75
BS0036 10043