





Pièces élaborées et fabriquées par HOBİ






Catalogue 2021 - Ver. 1.13

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Photos	Réf. HOBİ	Correspondances		Cylin.	Filetage	Long. Piston (mm)
	2160000 Poids : 2,95 kg	BPW	MERCEDES	57	M16x1,5	15
		02.032.77.00.0	0064205224			
		02.032.77.10.0	0084205224			
		05.444.32.01.0	0084208524			
		05.444.32.02.0	SAF			
		DAF	3454106560			
		1505241	3454108160			
		FRUEHAUF	4454106560			
		AJV4526	SCANIA			
		JOST	1932621			
		JAE 0210405224	VALX			
		KOGEL	50397001			
		334652	WABCO			
		6604089	4231047100			
	2200005 Poids : 3,12 kg	BPW	SAF	62	M16x1,5	15
		02.032.77.40.0	3454106760			
		02.032.77.50.0	3454108260			
		05.444.34.01.0	4454106760			
		05.444.34.02.0	SCANIA			
		DAF	1932639			
		1517954	VALX			
		JOST	50397002			
		JAE02 104 012 24	KNORR			
		KOGEL	BS3404			
		337900	WABCO			
		6500875	4235050000			
		MAN				
		N2504016063				
MERCEDES						
0074201224						
	2240005 Poids : 3,53 kg	RENAULT		65	M16x1,5	15
		0020533191				
		5001866301				
		7420533191				
		WABCO				
		4235061300				

Photos	Réf. HOBI	Correspondances		Cylin.	Filetage	Long. Piston (mm)
	1240003	BPW	0004209324	57	M16x1,5	200
		02.032.73.10.0	0014203524			
		05.444.15.01.0	0014203624			
		05.444.15.10.0	0014203724			
		05.444.15.11.0	0014203824			
		DAF	0014203924			
		0834483	0014206724			
		834483	0014206824			
		BBU5932	0014207424			
		FRUEHAUF	0044208618			
		1H312161609	0044208718			
		ASX0014020	0064201618			
		KOGEL	0064201718			
		175203	NEOPLAN			
		77348	07010024			
		79303	011015181			
		84495	080220100			
		LIEBHER	RENAULT			
		10167586	003885200			
		MAN	4231069000			
		81511016058	5000464005			
		81511016059	5000464006			
		81511016060	5000464438			
		81511016081	5000465439			
		81511016082	5000809565			
		81511016083	5021170051			
		81511016104	7403987121			
		81511016105	SCANIA			
		81511016110	1010154			
		81511016111	1102557			
		81511016114	1118473			
		81511016115	1331423			
		81511016135	1331430			
81511016136	1738480					
81511016313	295384					
81511016314	SCHMITZ CARGOBULL					
81511016315	051012					
81511016328	VOLVO					
81511019104	1618592					
81511019105	1618593					
81511019314	1618594					
MERCEDES	3987121					
0004207424	6212188					
0004207524	KNORR					
0004208924	BX3538					
0004209024	WABCO					
0004209124	4231069000					
0004209224						
Poids: 4,24 kg						
	1300000	BENALU	LIEBHER	75	M16x1,5	186
		605107100	502920501			
		BPW	502966208			
		02.032.72.90.0	MERCEDES			
		05.444.16.01.0	0004208024			
		05.444.16.10.0	NEOPLAN			
		05.444.16.11.0	007010030			
		DAF	RENAULT			
		0705707	5000815361			
		0834484	5021170052			
		416582	SAF			
		705707	4454103900			
		834484	SCANIA			
		BBU5933	1010155			
		FRUEHAUF	1738481			
		ASX0014021	SCHMITZ CARGOBULL			
		M0207203	051017			
		GOLDHOFER	883354			
		201241	SETRA			
		JOHN DEERE	8283050000			
		AZ52824	8283050000			
		AZ528241	8283850000			
		KOGEL	VALX			
		175204	50597010			
		175209	KNORR			
		79545	BX3605			
KRONE	WABCO					
0945152	4231079000					
50945152						
945152						
Poids : 4,24 kg						

Photos	Réf. HOBI	Correspondances		Cylin.	Filetage	Long. Piston (mm)					
	1160000	BPW	MERCEDES	75	M16x1,5	227					
		02.032.72.70.0	0004209924								
		05.444.13.01.0	0014200224								
		CLAAS	0014200624								
		00.0846.328.0	0014200824								
		DAF	0014200924								
		0745398	0014206224								
		0834481	0014206324								
		7455398	0034201324								
		834481	0054207518								
		BBU5930	0064202718								
		FRUEHAUF	0074200118								
		AFA9104001	0074203118								
		ASX0014018	NEOPLAN								
		JOHN DEERE	007010016								
		AZ509531	RENAULT								
		KOGEL	5021170047								
		79537	SCANIA								
		KRONE	1010153								
		945157	1912301								
		LIEBHER	SCHMITZ CARGOBULL								
		502962408	051007								
		MAN	VAN HOOL								
		81511016172	3136500Y								
		81511016173	637210540								
		81511016174	VOLVO								
		81511016175	883351								
		81511016198	KNORR								
		81511016221	BZ3339								
		81511016222	WABCO								
		81511016223	4231049000								
		81511016225									
		81511016249									
81511016260											
81511016266											
81511016274											
81511019249											
81511019260											
Poids: 3,37 kg											
	1200000	BENALU	MAN	75	M16x1,5	186					
		605109100	81511016076								
		BPW	81511016077								
		02.032.73.20.0	81511016078								
		02.033.62.00.0	81511016079								
		05.444.14.01.0	81511016199								
		CLAAS	81511019076								
		0008161310	MERCEDES								
		DAF	0024206518								
		0834482	6984203721								
		834482	6994200724								
		BBUS5931	6994203721								
		FRUEHAUF	NEOPLAN								
		ASX0014019	007010020								
		GOLDHOFER	RENAULT								
		200260	5021170049								
		KOGEL	SCANIA								
		175202	1738479								
		175207	SCHMITZ CARGOBULL								
		79302	051009								
		KRONE	VALX								
		0945154	50597008								
		50945154	VAN HOOL								
		LIEBHER	0627560								
		502918601	637210490								
			KNORR								
			BZ3433								
			WABCO								
			4231059000								
		Poids: 3,53 kg									

Photos	Réf. HOBI	Correspondances		Cylin.	Filetage	Long. Piston (mm)
	6162400	BPW	HALDEX	57	M16x1,5	15
		05.444.40.01.0	1351624004			
		05.444.40.02.0	KNORR			
		KOGEL	K159939N00			
		6609441	WABCO			
		6609442	9253840100			
		MERCEDES	9253840010			
		0074203624				
		SAF				
		4.454.1072.30				
		4.454.1076.30				
		4.454.1077.30				
		SCHMITZ CARGOBULL				
		054998				
		1000835				
		1078347				
1097975						
1162544						
1255715						
VALX						
50 397 006						
Poids : 6,94 kg						
	4242409	DAF		64	M16 x1,5 M22 x1,5	15
		1365122				
		1686002				
		KNORR				
		BS6558				
WABCO						
9254811510						
Poids : 9,94 kg						
	4242408	DAF		64	M16 x1,5	15
		1360929				
		1686001				
		KNORR				
		BS6561				
WABCO						
9254811500						
Poids : 9,93 kg						
	4242407	RENAULT		65	M16x1,5	15
		7420522029				
		VOLVO				
		20409105				
		20466073				
		KNORR				
BS6562						
WABCO						
9254810510						
Poids : 8,83 kg						
	5243004	BPW	HALDEX	75	M16x1,5	186
		02.032.73.90.0	1362430001			
		05.444.20.01.0	WABCO			
		05.444.20.04.0	9253713000			
		05.444.20.10.0				
		05.444.20.11.0				
		DAF				
		1325352				
		RENAULT				
		5021170326				
		SCHMITZ CARGOBULL				
050408						
Poids : 9,1 kg						

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BRAKE CHAMBER



*Best quality and reliable TUV
certified truck and trailer **brake system**
critical part, Brake Chambers
produced by HOBi*

hObi® | Exhaust Systems
Emission Control Systems
Air Tanks & Fuel Tanks

HOBİ EXHAUST



HOBİ OTOMOTİV

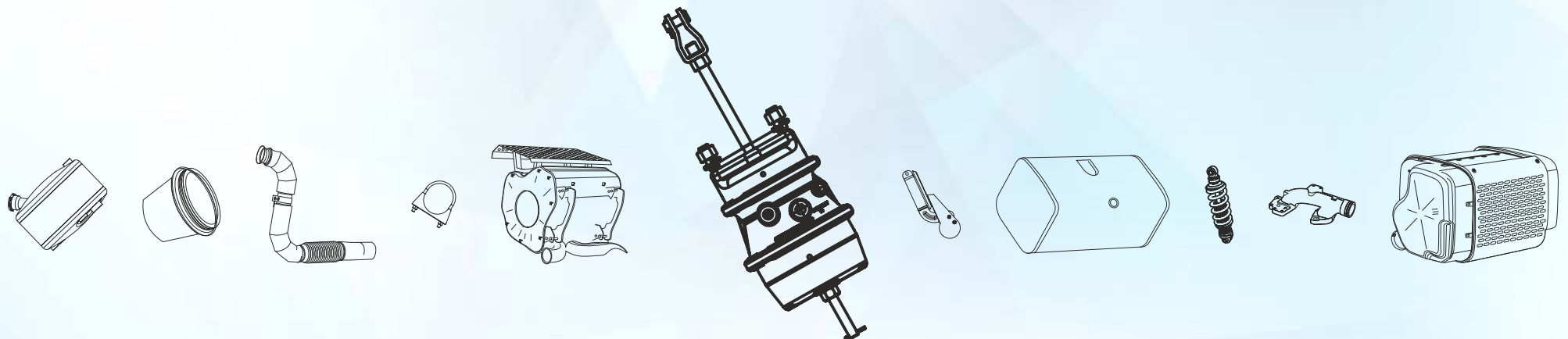
HOBİEX GROUP

Started 1996 still keep the same MOTTO, produce, sell, earn, invest for our people and products, we still and more of the same spirit as of 2022 Hobi manufactures around 16.000 parts and still more to come, we are REAL MANUFACTURER !

Our Vision

We are aware of our environmental responsibilities while producing our products, which we export to more than 60 countries all over the world. Day by day increasing the number of our customers in different countries and regions, we improve our production technologies for better life conditions and clean atmosphere by reducing the exhaust emissions of all vehicles that use Hobi products. We also contribute to fuel savings producing lightweight and high quality products that maximize the benefit of new technologies and manufacturing methods, thereby providing cost savings to our individual customers and reducing fuel consumption worldwide.

Hobi also continues to support 'GREEN WORLD' in the energy sector with the generator parts that are produced spesifically for continues energy.



TÜV SÜD Auto Service

Best quality and reliable TUV certified truck and trailer brake system critical part,
Brake Chambers produced by Hobi "Real Manufacturer"



ECE R-13 Test

HOBIL_21-TAM0-0137_ECE R13_16"

HOBIL_21-TAM0-0138_ECE R13_24"

HOBIL_21-TAM0-0139_ECE R13_30"

HOBIL_21-TAM0-0261_ECE R13_24-30"

HOBIL_21-TAM0-0262_ECE R13_30-30"

HOBIL_21-TAM0-0348_ECE R13_20-24"



Brake Chamber

How Does a Work Brake chamber?

In commercial vehicles, when the compressed air it gets from the air compressor that produces compressed air with the power it gets from the engine is triggered by pressing the brake pedal; Brake Systems that convert this compressed air to mechanical power are called air brake systems. Since it is not possible to transfer the force applied to the brake pedal to the vehicle wheels in heavy vehicles such as Buses, Trucks, Trucks, the air goes to the vehicle wheel and creates a mechanical movement with pneumatic force before it affects the drum.

Hobi , offers a new Braking Option with Joint high reliability, affordable, and TUV certification.

About

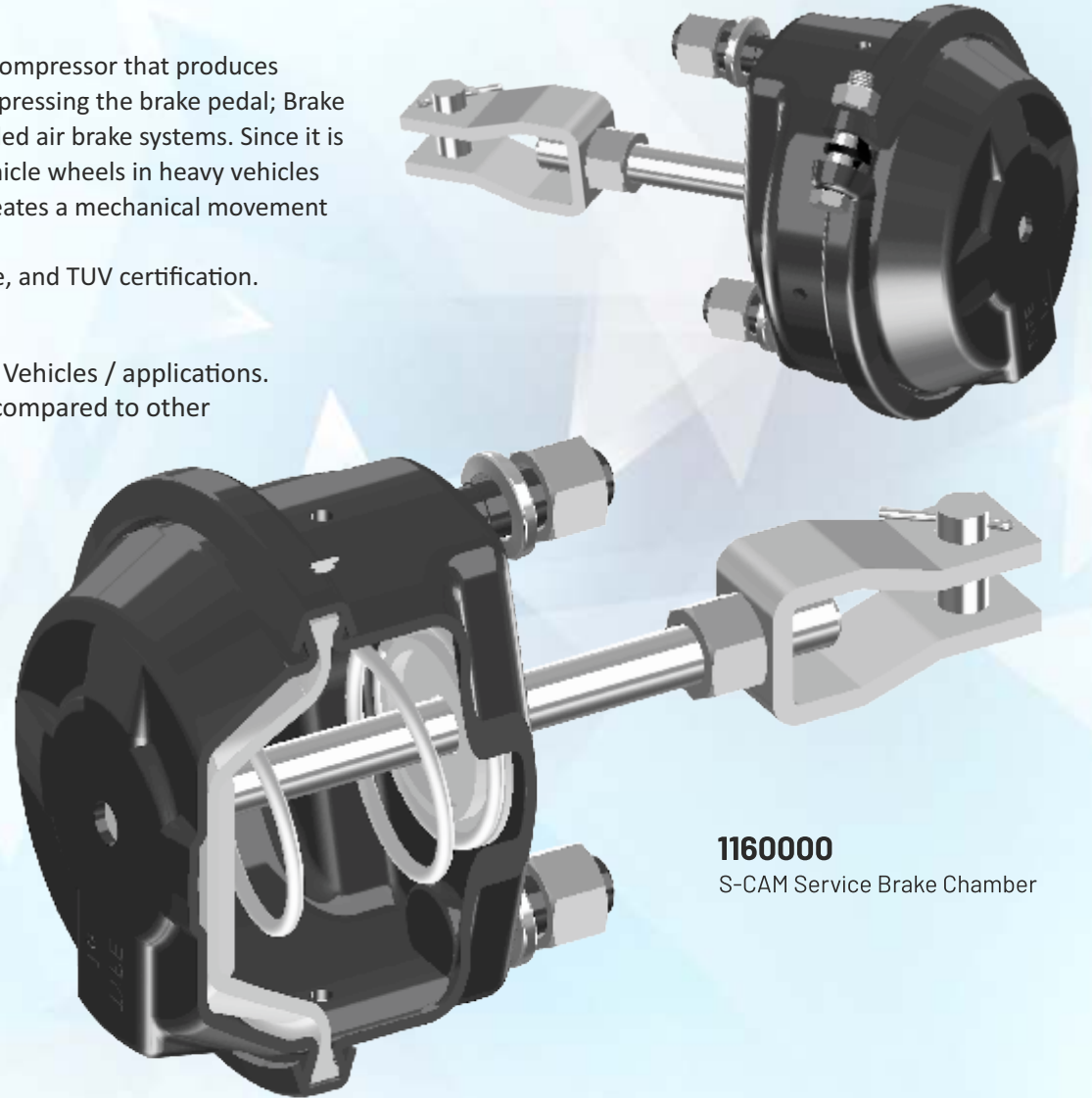
- The brake chamber has a universal design covering different Oe Vehicles / applications.
- It is reliable and long-lasting. It has higher corrosion resistance compared to other budget brake chambers.
- It is a superior quality that prevents leaks from the air chamber.
- Working temperature tolerance is very wide.

Key Features

- Each chamber has a number of uses reaching 1 million.
- 96 hours corrosion resistance
- Operating temperature -40 ° C .. + 80 ° C
- Maximum working pressure: 10.2 bar

Standard and Quality

Özellik	OE Orjinal	Hobi	Satış Sonrası Piyasa Ortalaması
Kalite	████████████████████	████████████████████	████████████████████
Kullanım Ömrü	████████████████████	████████████████████	████████████████████
Korozyon Direnci (Saat)	████████████████████	████████████████████	████████████████████
Kaçak (cm ³ / dk)	████████████████████	████████████████████	████████████████████
Mühendislik ve Test	████████████████████	████████████████████	████████████████████


1160000

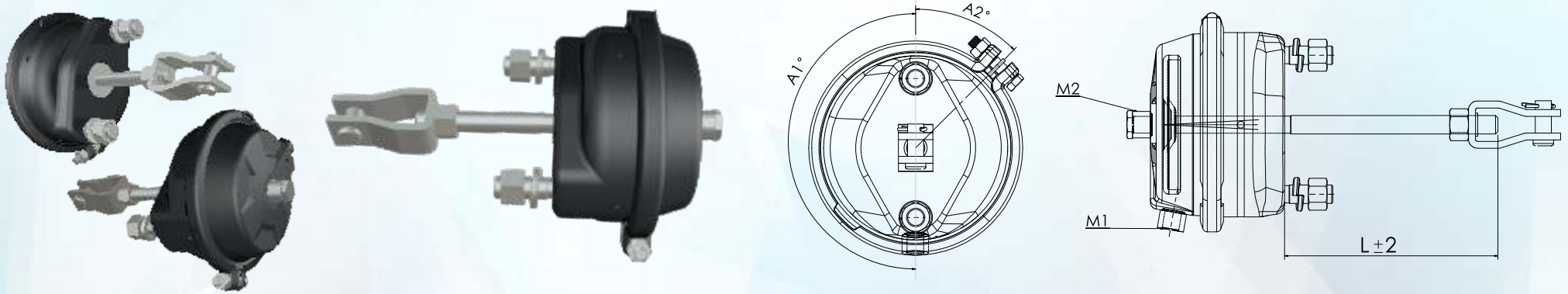
S-CAM Service Brake Chamber

BRAKE CHAMBER, SERVICE DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO								M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke	
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO	BRAND	OE NO								
16	16010152	423 104 9000 BZ 3339	BENALU	605110100	IVECO	100287	MAN	81511016172	MERCEDES BENZ	4209924	M16x1,5	M16x1,5	180	45	186	57	36010001	
			CASE IH	84320807	JOHN DEERE	AZ 50953		81511016173		14200224								
			DAF	834481	KEMPF	2001005		81511016174		14200624								
				745398	KRONE	945157		81511016175		14200824								
				834481		9451570		81511016198		14200924								
				721180		50945157		81511016221		14206224								
				735929		500945157		81511016222		14206324								
			EVOBUS	A0034201324	KÖGEL	79537		81511016223		34201324								
				8283569000	LANGENDORF	1109373		81511016225		54207518								
			FAYMONVILLE	940	LEYLAND DAF	834481		81511016260		64202718								
			FELDBINDER	1658		BBU5930		81511016266		74200018								
			FRUEHAUF	AFA9104001		PR 4982		81511019249		74200118								
				ASX0014018	LIEBHERR	502962408		81511016249		A0034201324								
			GOLDHOFER	200255		10003357		PACCAR		834481								1010153
			HENDRICKSON	4231049000		MACK		7016		PPT								20644100
RITEC	49800024700	NOOTEBOOM	305049	SCHMITZ	51007	RENAULT	5021170047											
NEOPLAN	7010016		5207	CARGOBULL	51007	VOLVO	WA 4231049000											
16	16010190									M16x1,5	M16x1,5	180	45	110	57			
16	16010191									M16x1,5	M16x1,5	180	45	190	57			
16	16010153	4231046060	MERCEDES BENZ	14200824	14206324	54207418	74200018	A0074203118	EVOBUS	A0074203118	M16x1,5	M16x1,5	180	0	37	57	36010003	
16	16010192	BZ 3373	KNORR	I133456A						M16x1,5	M16x1,5	180	270	190	57	36010001		

BRAKE CHAMBER, SERVICE DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
20	16010193								M16x1,5	M16x1,5	180	45	108	64	36010001
20	16010154	4231051110	DAF	1505026	MERCEDES	4207624	RENAULT	5021170048	M16x1,5	M16x1,5	180	0	37	57	36010005
			MAN	81511016196	MERCEDES	54202018	RITEC	49800023500							
			MAN	81511019196	MERCEDES	74208718	TEREX	76013700							
			LAYLAND DAF	MBU5172	MERCEDES	74209718	PPT	206441602							
			EVOBUS	A0074208718	MERCEDES	A0074208718	PACCAR	1505026							
20	16010155	PRO7140150 4231059000	A. DENNIS	4321059000	MERCEDES	24206518	VOLVO	BBU5931	M16x1,5	M16x1,5	180	45	186	75	-
			BENALU	605109100	MERCEDES	6994200724	VOLVO	WA 4231059000							
			DAF	834482	MERCEDES	6984203721	VOLVO	526031200000							
			EVOBUS	A6994200724	MERCEDES	A6984203721	MAN	81511016076							
			EVOBUS	A6984203721	MERCEDES	A6994200724	MAN	81511016077							
			FAYMONVILLE	941	MERCEDES	A6994203721	MAN	81511016078							
			FELDBINDER	941	MERCEDES	6994203721	MAN	81511016079							
			FRUEHAUF	ASX0014019	SCHMITZ CARGOBULL	51009	MAN	81511016199							
			GOLDHOFER	200260		4231059000	MAN	81511019076							
			HENDRICKSON	NB 1759		1020753	MERITOR	S4231059000							
			IVECO	3345107R1	SCHWARZMÜLLER	3551	MEILLER	79936139004979							
			IVECO	34140	LEYLAND DAF	834482	NEOPLAN	7010020							
			KEMPF	2001006	LEYLAND DAF	BBU5931	NOOTEBOOM	305050							
			KRONE	945154	LIEBHERR	502918601	PACCAR	834482							
			KRONE	50945154	LOHR	A05010104	RENAULT	5021170049							
			KÖGEL	175202	LANGENDORF	1109374	RITEC	49800024800							
			KÖGEL	79302	SCANIA	1738479	SAF	4454112600							
			20	16010156	4231054080	EVOBUS	A0024200724	MERCEDES							
EVOBUS	89199384314	MERCEDES				A0024200524	DAF	1505938							
20	16010194							M16x1,5	M16x1,5	180	315	108	64	36010001	

BRAKE CHAMBER, SERVICE DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO					M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke	
			BRAND	OE NO	BRAND	OE NO	BRAND								OE NO
24	16010157	4231069000 Bx3538	ALEXANDER DENNIS	AB 4231069000	MERCEDES-BENZ	4207424	MAN	81511016080	M16x1,5	M16x1,5	180	45	186	75	36010001
			BEDFORD	A4028470	MERCEDES-BENZ	4207524	MAN	81511016081							
			CASE IH	84014961	MERCEDES-BENZ	4209124	MAN	81511016082							
			DAF	834483	MERCEDES-BENZ	4209224	MAN	81511016083							
			DAF	834483	MERCEDES-BENZ	14203524	MAN	81511016105							
			FAYMONVILLE	844	MERCEDES-BENZ	14203624	MAN	81511016111							
			FAYMONVILLE	844	MERCEDES-BENZ	14203724	MAN	81511016115							
			FELDBINDER	6760	MERCEDES-BENZ	14203824	MAN	81511019105							
			FELDBINDER	6761	MERCEDES-BENZ	14203924	MEILLER	79936239004980							
			FRUEHAUF	ASX0014020	MERCEDES-BENZ	14206724	NEOPLAN	80220100							
			FRUEHAUF	1H312161609	MERCEDES-BENZ	14206824	NEOPLAN	11015181							
			GOLDHOFER	200262	MERCEDES-BENZ	14207424	NEOPLAN	7010024							
			HENDRICKSON	NB 1702	MERCEDES-BENZ	44208618	NOOTEBOOM	305051							
			IVECO	3345108R1	MERCEDES-BENZ	44208718	NOOTEBOOM	305051							
			KEMPF	2001008	MERCEDES-BENZ	64201618	NOOTEBOOM	5209							
			KRONE	945153	MERCEDES-BENZ	64201718	NOOTEBOOM	5209							
			KRONE	50945153	RENAULT	38855200	ORTHAUS	407007							
			KÄSSBOHRER	21151105025	RENAULT	5000809565	PACCAR	834483							
			KÖGEL	175203	RENAULT	38855200	PACCAR	CV 114086							
			KÖGEL	79303	RENAULT	5021170051	PPT	20644210							
			KÖGEL	77348	RENAULT	4231069000	RITEC	49800024900							
			LANGENDORF	1109376	SCHMITZ CARGOBULL	51012	SAF	4454112900							
			LEYLAND DAF	834483	SCHMITZ CARGOBULL	51012	SCANIA	1738480							
			LEYLAND DAF	BBU5932	SCHWARZMÜLLER	3552	SCANIA	1010154							
LIEBHERR	10167586	VDL	20223066	SEDDON ATKINSON	3345108R1										
LOHR	A05010131	VOLVO	6212188	TEREX	96926300										
MAFI	5680010	VOLVO	WA 4231069000	TIRSAN	21151105025										

BRAKE CHAMBER, SERVICE DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
24	16010195														
24	16010196														
24	16010197														
24	16010158	4231064500	MAFI	5680111	SCANIA	1313844									
24	16010159	4231061060	MAN	81511016058	MERCEDES - BENZ	4208924	RENAULT	5000464005	M16x1,5	M16x1,5	180	0	37	57	36010003
			MAN	81511016059	MERCEDES - BENZ	4209024	RENAULT	5000464006							
			MAN	81511016080	MERCEDES - BENZ	4209324	RENAULT	5000464014							
			MAN	81511016081	MERCEDES - BENZ	74208818	RENAULT	5000464015							
			MAN	81511016082	MERCEDES - BENZ	74209018	RENAULT	5000465438							
			MAN	81511016083	MERCEDES - BENZ	74209118	RENAULT	5000465439							
			MAN	81511016104	MERCEDES - BENZ	74209818	RENAULT	5021170050							
			MAN	81511016105	MERCEDES - BENZ	A0074208818	SCANIA	1932627							
			MAN	81511016110	NEOPLAN	80240000	DAF	1505240							
24	16010160	4231062010	VOLVO	3987121	MARCOPOLO	6C0910121	VOLVO	1605735	M16x1,5	M16x1,5	180	340	50	64	
			VOLVO	1089035	RENAULT	7403987121	VOLVO	1612664							
			VOLVO	---	SIFCO	732520041	VOLVO	1618594							
24	16010161	4231064090	MERCEDES - BENZ	4205524	MERCEDES - BENZ	14203724	MERCEDES - BENZ	14209618	M16x1,5	M16x1,5	25	180	54	57	36010003
			MERCEDES - BENZ	4209124	MERCEDES - BENZ	14203924	MERCEDES - BENZ	A0014203624							
			MERCEDES - BENZ	14203624	MERCEDES - BENZ	14206724	MERCEDES - BENZ	14207424							
24	16010162	4232067090	MAN	81511016105	MAN	81511019105	NEOPLAN	81511016115	M16x1,5	M16x1,5	0	0	37	64	36010003
			MAN	81511016111	MAN	81511016312	RENAULT	5000465438							
			MAN	81511016115	MAN	81511016314									
24	16010163	4231069610													

BRAKE CHAMBER, SERVICE DRUM



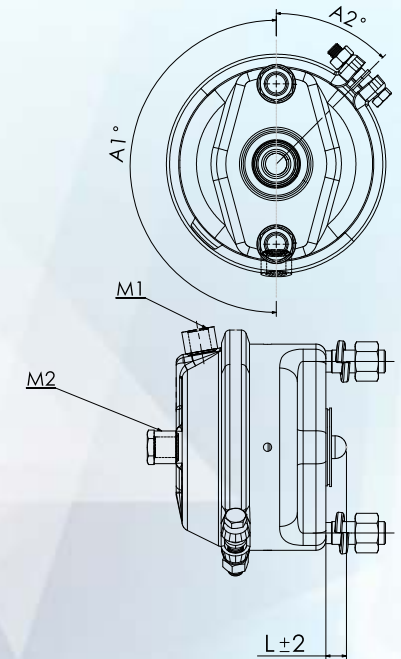
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO					M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke	
			BRAND	OE NO	BRAND	OE NO	BRAND								OE NO
30	16010164	4231079000 Bx3605	BENALU	605107100	NEOPLAN	7010030	KENWORTH	S423-107-900-0	M16x1,5	M16x1,5	180	45	186	75	36010001
			CASE IH	84012958	NOOTEBOOM	305052	KRONE	945152							
			DAF	834484	NOOTEBOOM	305052	KRONE	50945152							
			DAF	705707	PACCAR	834484	KÄSSBOHRER	82830500000							
			DAF	834484	PETERBILT	S423-107-900-0	KÖGEL	175204							
			EVOBUS	8283572000	PPT	20644270	KÖGEL	79545							
			EVOBUS	8283850000	RENAULT	5000815361	LANGENDORF	1109377							
			EVOBUS	89199797614	RENAULT	5021170052	LEYLAND DAF	834484							
			FAYMONVILLE	943	RITEC	49800025000	LEYLAND DAF	BBU5933							
			FAYMONVILLE	943	SAF	4454103900	LIEBHERR	502966208							
			FELDBINDER	6674	SCANIA	1738481	LIEBHERR	502920501							
			FELDBINDER	6763	SCANIA	1010155	LOHR	4231079000							
			FREIGHTLINER	9628S4231079000	SCHMITZ-CARGOBULL	51017	MAFI	5680047							
			FRUEHAUF	ASX0014021	SCHMITZ-CARGOBULL	82830500000	MAFI	5680047							
			FRUEHAUF	M02027203	SCHMITZ-CARGOBULL	51017	MERCEDES-BENZ	4208024							
			FRUEHAUF	A3309600VAS	SCHMITZ-CARGOBULL	1232785	MERITOR	S4231079000							
			GOLDHOFER	201241	SCHWARZMÜLLER	3553	MEILLER	79936339004981							
JOHN DEERE	AZ 52824	TEREX	96924700	TIRSAN	21151105030										
JOHN DEERE	WZ 2480155	KEMPF	2001009	VOLVO	Wa4231079000										
30	16010198		MAFI				M16x1,5	M16x1,5	180	45	182	75	---		
30	16010199		MAFI				M16x1,5	M16x1,5	180	45	182	75	36010004		
30	16010200		MAFI				M16x1,5	M16x1,5	210	45	182	75	36010004		
30	16010201		MAFI				M16x1,5	M16x1,5	90	0	190	64	36010001		
30	16010202		NOOTEBOOM	5211			M16x1,5	M16x1,5	180	0	186	75	36010004		

BRAKE CHAMBER, SERVICE DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO					M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke	
			BRAND	OE NO	BRAND	OE NO	BRAND								OE NO
30	16010165	4231069000	ALEXANDER DENNIS	AB 4231069000	MERCEDES-BENZ	4207424	RENAULT	38855200	M16x1,5	M16x1,5	180	45	186	75	36010001
			BEDFORD	A4028470	MERCEDES-BENZ	4207524	RENAULT	5000809565							
			CASE IH	84014961	MERCEDES-BENZ	4209124	RENAULT	38855200							
			DAF	834483	MERCEDES-BENZ	4209224	RENAULT	5021170051							
			DAF	834483	MERCEDES-BENZ	14203524	RENAULT	4231069000							
			FAYMONVILLE	844	MERCEDES-BENZ	14203624	NOOTEBOOM	305051							
			FAYMONVILLE	844	MERCEDES-BENZ	14203724	NOOTEBOOM	305051							
			FELDBINDER	6760	MERCEDES-BENZ	14203824	NOOTEBOOM	5209							
			FELDBINDER	6761	MERCEDES-BENZ	14203924	NOOTEBOOM	5209							
			FRUEHAUF	ASX0014020	MERCEDES-BENZ	14206724	NEOPLAN	80220100							
			FRUEHAUF	1H312161609	MERCEDES-BENZ	14206824	NEOPLAN	11015181							
			KRONE	945153	MERCEDES-BENZ	14207424	NEOPLAN	7010024							
			KRONE	50945153	MERCEDES-BENZ	44208618	SCHMITZ-CARGOBULL	51012							
			KÖGEL	175203	MERCEDES-BENZ	44208718	SCHMITZ-CARGOBULL	51012							
			KÖGEL	79303	MERCEDES-BENZ	64201618	SCHWARZMÜLLER	3552							
			KÖGEL	77348	MERCEDES-BENZ	64201718	ORTHAUS	407007							
			LEYLAND DAF	834483	RITEC	49800024900	PACCAR	834483							
			LEYLAND DAF	BBU5932	SAF	4454112900	PACCAR	CV 114086							
			MAFI	5680010	SCANIA	1738480	PPT	20644210							
			MAN	81511016080		1010154	SEDDON ATKINSON	3345108R1							
MAN	81511016081	MEILLER	79936239004980	TEREX	96926300										
MAN	81511016082	LIEBHERR	10167586	TIRSAN	21151105025										
MAN	81511016083	LOHR	A05010131	VDL	20223066										
MAN	81511016105	KÄSSBOHRER	21151105025	VOLVO	6212188										
MAN	81511016111	IVECO	3345108R1	VOLVO	WA 4231069000										
MAN	81511016115	KEMPF	2001008	GOLDHOFER	200262										
MAN	81511019105	LANGENDORF	1109376	HENDRICKSON	NB 1702										
30	16010203						M16x1,5	---	180	90	120	75	36010003		
30	16010166	4230070190	DAF	1505932	LANGENDORF	1110595	SAF	4454100400	M22x1,5	---	90	45	137	64	---
			NOOTEBOOM	1237399	PACCAR	1505932	RENAULT	5021209064							

BRAKE CHAMBER, SERVICE DISC



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
16	16010129	423 104 7100 BS3300 BS3315	ASHOK LEYLAND	445332068	NOOTEBOOM	1815504	KRONE	58128660	M16x1,5	M16x1,5	180	45	15	57
			DAF	1505241	NOOTEBOOM	14338	KRONE	5812866						
			EVOBUS	A0064205224	PACCAR	1505241	KRONE	5058128660						
			FAYMONVILLE	13844	SAF	4454106560	KRONE	505812866						
			FELDBINDER	7912	SAF	4454108160	KÖGEL	334652						
			GOLDHOFER	169345	SAF	3454106560	MERCEDES-BENZ	64205224						
			HENDRICKSON	4231047100	SAF	3454108160	MERCEDES-BENZ	A0064205224						
			KEMPF	2001036	SCANIA	1932621	MEILLER	79688239023857						
KEMPF	2001001	VOLVO	WA 4231047100	FRUEHAUF	AJV4526									
16	16010186							M16x1,5	M16x1,5	60	60	15	57	
16	16010187	BS 2356						M16x1,5	M16x1,5	270	60	15	57	
16	16010130	4235040120	RENAULT	5010422313				M16x1,5	M16x1,5	90	225	15	57	
16	16010128	4231047000	MAN	81511016372	MAN	81511016374	NEOPLAN	81511016408	M16x1,5	—	180	180	26	57
			MAN	81511016373	MAN	81511016394	MAN	81511016408						
16	16010188	BS 3321						M16x1,5	—	180	0	15	57	

BRAKE CHAMBER, SERVICE DISC

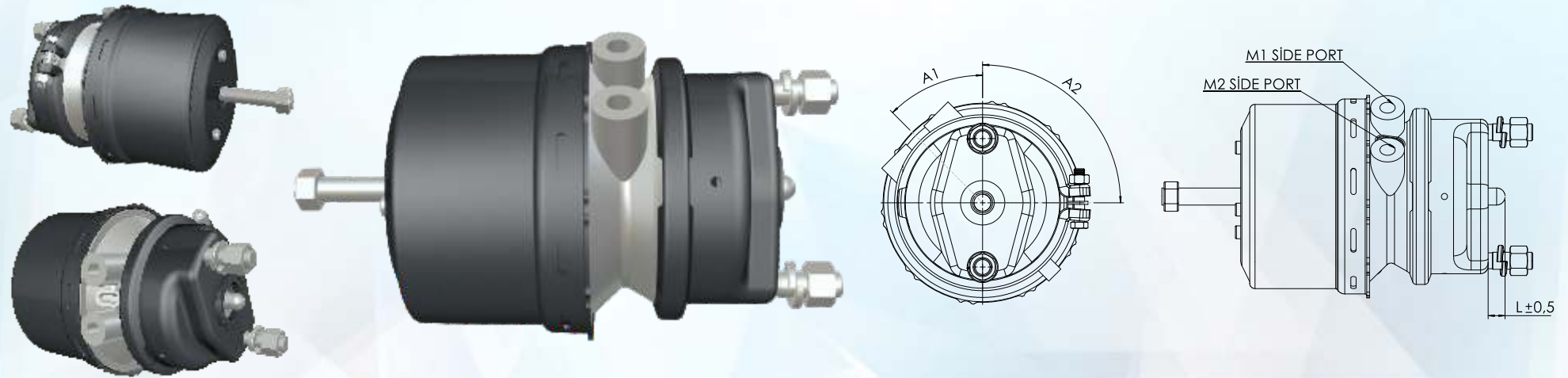


TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Lenght	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
20	16010131	PRO7140300	MERCEDES-BENZ	54206024	MERCEDES-BENZ	A0084201524	RENAULT TRUCKS	5021204036	M16x1,5	M16x1,5	225	45	15	64
			MERCEDES-BENZ	A0054206824	MERCEDES-BENZ	A0064209424	MERCEDES-BENZ	A0084203624						
20	16010132	4231057000	MAN	81511016376	MAN	81511016391	NEOPLAN	81511016378	M16x1,5	M16x1,5	238	135	20	75
			MAN	81511016376	MAN	81511016392								
20	16010133	4231050200	DAF	1524853	MAN	81511016384	NEOPLAN	81511016384	M16x1,5	—	—	270	15	57
			ERF	81511016384	MAN	81511019384								
20	16010134	4235050010	DAF	1517955	MAN	81511016413	NEOPLAN	81511016413	M22x1,5	—	238	135	26	75
20	16010135	4235050020	MAN	81511016413	MAN	81511016412	NEOPLAN	81511016412	M22x1,5	—	122	225	26	75
20	16010136	4235050000 BS 3404	DAF	1517954	NOOTEBOOM	1456901	MERCEDES-BENZ	74201224	M16x1,5	M16x1,5	0	340	15	64
			DOLL	7054446	NOOTEBOOM	14315	MERCEDES-BENZ	A0074201224						
			EOBUS	A0074201224	PACCAR	1517954	MEILLER	79687270030240						
			FAYMONVILLE	13851	SAF	4454108260	MAN	N2504016063						
			FELDBINDER	2772	SAF	4454106760	SCANIA	1932639						
			KÄSSBOHRER	21151205030	SAF	3454106760	SCHMITZ CARGOBULL	1020756						
KÖGEL	337900	SAF	3454108260	VOLVO	WA 4235050000									
20	16010137	4231057010	MAN	81511016376	MAN	81511016391	NEOPLAN	81511016377	M22x1,5	—	122	225	15	64
			MAN	81511016377	MAN	81511016393								

BRAKE CHAMBER, SERVICE DISC

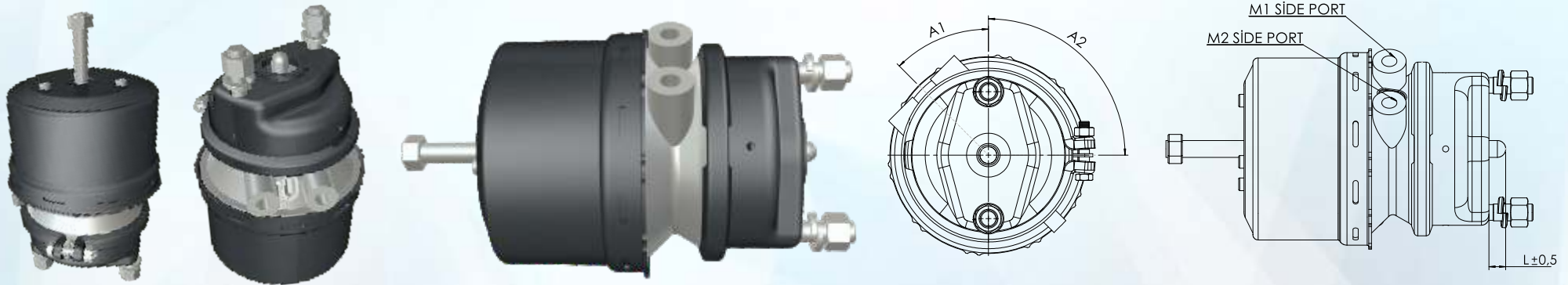


TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Lenght	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
24	16010138	4235060010	DAF	1517956	MERCEDES-BENZ	74201424	NOOTEBOOM	1664253	M16X1,5	M16X1,5	180	160	15	64
			DOLL	7054433	MERCEDES-BENZ	A0074201424	NOOTEBOOM	17157						
			EVOBUS	A0074201424	PACCAR	1517956	SCANIA	1932640						
			FAW	3519015DA1S	SAF	3454106960	VOLVO	WA4235060010						
			FELDBINDER	6993	LIEBHERR	10218884	KÖGEL	337902						
			IVECO	500590336	LOHR	4235060010								
24	16010139	4235060640						M16X1,5	M16X1,5	180	45	15	64	
24	16010140	4235060740						M22x1,5	M16X1,5	20	0	15	64	
24	16010141	4231067000	MAN	81511016436	MAN	81511016434	MAN	81511019434	M16X1,5	M16X1,5	212	302	20	75
24	16010142	4235061020	VOLVO	2070881	20515380	20708819	RENAULT	20708819	M16X1,5	M16X1,5	180	45	15	64
24	16010143	4235061300	RENAULT	7420533191	20533191	MERITOR	68325460		M16X1,5	M16X1,5	180	0	15	64
24	16010144	4235060940	MAN	81511016484					M22x1,5	-	180	0	15	64
24	16010145	4235061040	PACCAR	9507117	RENAULT	7420824261			M16X1,5	M16X1,5	270	180	15	64
24	16010146	PRO7142450 BS3526	MAN	81511016491	81.51101-6425	81511016425	81511016427	81.51101-6491	M22x1,5	-	270	167	26	75
24	16010189	BS3528							M22x1,5	-	90	193	26	75
24	16010147	4231067010	MAN	81511016437	81511016435	81511019435			M22x1,5	-	148	45	20	75
24	16010148	4235060200	DAF	1373681	1791409	VDL	41373681	1373681	M16X1,5	M16X1,5	75	240	15	64
24	16010149	4235061010	RENAULT	20410139	VOLVO	20410139			M16X1,5	M16X1,5	90	270	15	64
24	16010150	4235060700	VOLVO	3177338	7033002				M16X1,5	M16X1,5	180	315	15	64
24	16010151	4235060930	MAN	81511016483					M22x1,5	M16X1,5	30	45	15	64



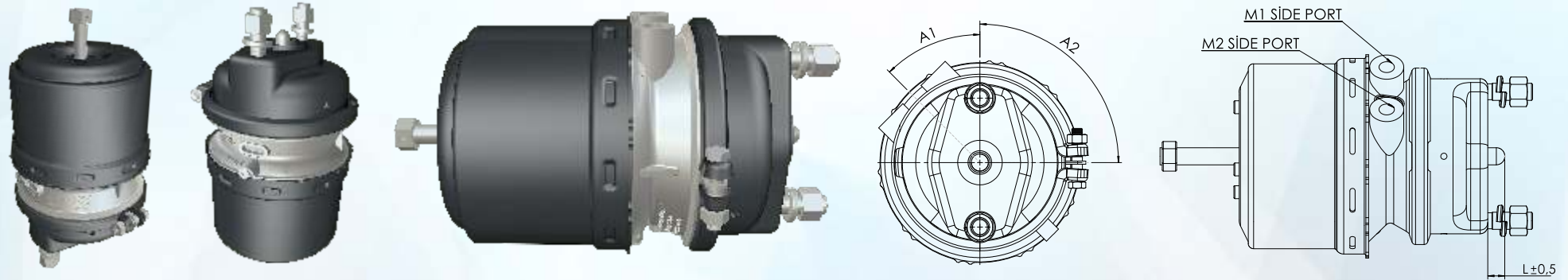
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
16/24	16010172													
16/24	16010018	9254645000	DAF	1505448	EOBUS	A0184205318	KRONE	505821377	M16X1,5	M16X1,5	270	135	15	57
			DOLL	7073298	FELDBINDER	52516	MERCEDES-BENZ	184205318						
			MEILLER	79688039023855	NOOTEBOOM	3330840	MERCEDES-BENZ	A0184205318						
			NOOTEBOOM	17158	PACCAR	1505448	SCANIA	2090336						
16/24	16010019	9254612910	SCANIA	1525166	SCANIA	1935454	SCANIA	2192929	M16X1,5	M16X1,5	90	45	15	57
16/24	16010020	9254612900	SCANIA	1516660, 1935453	SCANIA	2192928	DAF	1526609	M16X1,5	M16X1,5	0	180	15	57
16/24	16010021	9254840210	MERCEDES-BENZ	204205918, 154206218	MERCEDES-BENZ	154208018, 194205	MERCEDES-BENZ	A0204205918	M22X1,5	M22X1,5	27	270	15	57
16/24	16010022	9254812300	SCANIA	1802409	SCANIA	2147780	SCANIA	2192928	M16X1,5	M16X1,5	0	180	15	64
16/24	16010023	9254812310	SCANIA	1802410	SCANIA	2147781	SCANIA	2192929	M16X1,5	M16X1,5	90	45	15	57
16/24	16010024	9254840200	MERCEDES-BENZ	204206018, 154206318	MERCEDES-BENZ	154208118, 194205918	MERCEDES-BENZ	A0204206018	M22X1,5	M22X1,5	333	90	15	57
			MERCEDES-BENZ	194205318, 154203318	MERCEDES-BENZ	154204118	DAF	1501927						
16/24	16010025	9254840100	MERCEDES-BENZ	A0194295318, A0194206318	MERCEDES-BENZ	A0194205318	SCANIA	1935463	M22X1,5	M22X1,5	333	90	15	64
			DAF	1505448	EOBUS	A0184205318	MERCEDES-BENZ	184205318						
16/24	16010026	9254645000	DOLL	7073298	FELDBINDER	52516	MERCEDES-BENZ	A0184205318	M16X1,5	M16X1,5	315	90	15	57
			KRONE	505821377	MEILLER	79688039023855	PACCAR	1505448						
			SCANIA	2090336	SCHWARZMÜLLER	78429	NOOTEBOOM	17158						
			MERCEDES-BENZ	194205218, 154203418	MERCEDES-BENZ	154204018	PACCAR	1527386						
16/24	16010027	9254840110	MERCEDES-BENZ	A0194295218, A0194206218	MERCEDES-BENZ	A0194205218			M16X1,5	M16X1,5	27	270	15	57

BRAKE CHAMBER, SPRING, DP DISC



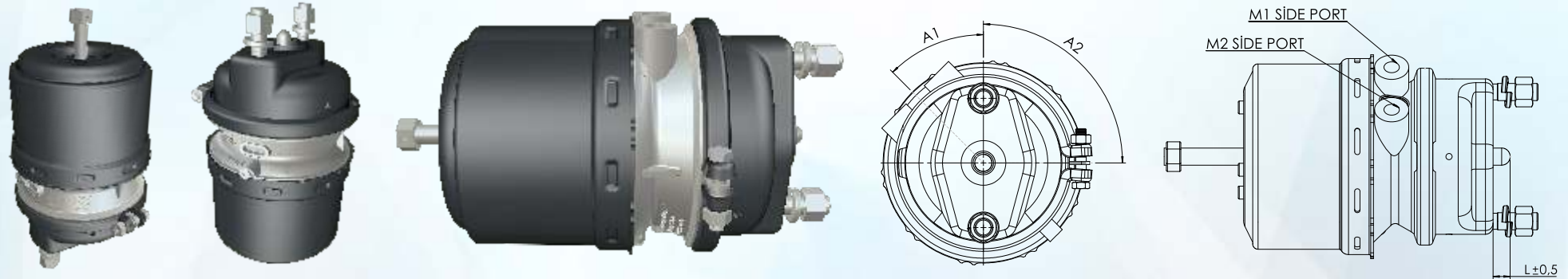
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
20/24	16010173													
20/24	16010174	BS8434							M16X1,5	M16X1,5	270	135	15	64
20/24	16010028	9254600000							M22X1,5	M22X1,5	90	180	15	64
20/24	16010029	9254601000 BS9404	DAF	1505439	MERCEDES-BENZ	A0154204718	PACCAR	1505439	M16X1,5	M16X1,5	0	270	15	64
			DAF	1505440	NOOTEBOOM	1456904	ORTHAUS	499026						
			EOBUS	A0184205518	NOOTEBOOM	17501	PACCAR	1505440	M22X1,5	M22X1,5	333	90	15	64
			FELDBINDER	2773	MEILLER	79687020785628	RENAULT	5010422755						
			HAMANA WORKS	GB54100010	MERCEDES-BENZ	184205518	SCANIA	1935449						
			KODAIRA INDUSTRIAL	VF23919270	MERCEDES-BENZ	A0184205518	VOLVO	WA9254601000						
20/24	16010030	9254600270	DAF	1522314	VOLVO	20361844	MERITOR	68323859	M16X1,5	M16X1,5	0	45	15	57
20/24	16010175	BS8413	MAN	81504106810	MAN	81504106868			M16X1,5	M16X1,5	45	90	15	64
20/24	16010176	K004074							M22X1,5	M22X1,5	0	180	15	64
20/24	16010031	9254800110	MERCEDES-BENZ	204203418, 154207618	MERCEDES-BENZ	154208618, A0214209818	MERCEDES-BENZ	A0204205018	M22X1,5	M22X1,5	27	270	15	64
			MERCEDES-BENZ	204205018, A0204203418	MERCEDES-BENZ	A0154208618	PACCAR	1524581						
20/24	16010032	9254601010 BS9486	DAF	1519192	ORTHAUS	499027	KÄSSBOHRER	21151105204L	M16X1,5	M16X1,5	45	270	15	64
			DOLL	7056270	RENAULT	5010422755	MERCEDES-BENZ	184205618						
			EOBUS	A0184205618	SCANIA	1935450	MERCEDES-BENZ	A0184205618						
			FELDBINDER	2774	TIRSAN	21151105204	NOOTEBOOM	1457120						
			HAMANA WORKS	GB54200010	VOLVO	WA9254601010	NOOTEBOOM	17502						
20/24	16010033	9254801200-BS8402	MERCEDES-BENZ	204202318, A0204202318	MERCEDES-BENZ	A0184209918	MERCEDES-BENZ	A0204202718	M16X1,5	M16X1,5	215	90	15	64
20/24	16010034	9254800040 BS9411	DAF	1519442	MERCEDES-BENZ	194205518, 154204318	MERCEDES-BENZ	154204718	M22X1,5	M22X1,5	333	90	15	64
			SCANIA	2131116	MERCEDES-BENZ	194206518, A0194205518	MERCEDES-BENZ	A0194206518						
20/24	16010035	9254800050 BS9412	DAF	1506681	MERCEDES-BENZ	194205418, 154204	MERCEDES-BENZ	154204618	M22X1,5	M22X1,5	27	270	15	64
					MERCEDES-BENZ	194206418, A0194205418	MERCEDES-BENZ	A0194206418						
20/24	16010036	9254801210	EOBUS	A0204202418	MERCEDES-BENZ	204202418, A0204202418	MERCEDES-BENZ	A0214209218	M22X1,5	M22X1,5	147	270	15	64
20/24	16010037	9254800010	MERCEDES-BENZ	154204418	MERCEDES-BENZ	A0154204418	MERCEDES-BENZ	194205418	M22X1,5	M22X1,5	333	90	15	64
20/24	16010038	9254601300	DAF	1518159	MAN	81504106820			M22X1,5	M22X1,5	0	180	20	75
20/24	16010039	9254800350	MERCEDES-BENZ	204205818	MERCEDES-BENZ	184206318	MERCEDES-BENZ	A0204205818	M22X1,5	M22X1,5	302	90	15	57
20/24	16010040	9254600740	RENAULT	5010525321					M22X1,5	M22X1,5	270	45	15	64

BRAKE CHAMBER, SPRING, DP DISC



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
24/24	16010177													
24/24	16010041	9254610100/BS9504	PACCAR	1505443					M16X1,5	M16X1,5	333	90	15	64
24/24	16010042	9254610420							M22X1,5	M22X1,5	45	270	15	64
24/24	16010043	9254610430	VOLVO	20522030	VOLVO	2052203	VOLVO	20466071	M16X1,5	M16X1,5	333	90	15	64
24/24	16010044	9254813350	RENAULT	7421283617					M16X1,5	M16X1,5	270	315	15	64
24/24	16010045	9254810500	RENAULT	7420522028	VOLVO	20522028	VOLVO	2159622	M16X1,5	M16X1,5	0	45	15	64
24/24	16010046	9254810510	VOLVO	20466073	VOLVO	20522029	RENAULT	7420522029	M16X1,5	M16X1,5	0	45	15	64
24/24	16010047	9254811500	DAF	1686001	FAW	3530015A4A			M16X1,5	M16X1,5	333	90	15	64
24/24	16010048	9254811510	DAF	1360929	MERCEDES-BENZ	A0204203018			M16X1,5	M16X1,5	27	270	15	64
24/24	16010049	9254610010	DAF	1365122	FAW	3530020A4A			M16X1,5	M16X1,5	27	270	15	64
24/24	16010050	9254810120	DAF	1686002	MERCEDES-BENZ	A0204203018	MERCEDES-BENZ	A0154209018	M16X1,5	M16X1,5	10	135	15	57
24/24	16010051	9254810320	DAF	1506401	MERCEDES-BENZ	154209018			M22X1,5	M22X1,5	10	135	15	57
24/24	16010052	9254812000	EVOBUS	A0154209018	MERCEDES-BENZ	20420418			M22X1,5	M22X1,5	10	135	15	57
24/24	16010053	9254810300	MERCEDES-BENZ	194205718, 154209718	MERCEDES-BENZ	A0194205718	DAF	1519378	M16X1,5	M16X1,5	333	90	15	64
24/24	16010054	9254810120	MERCEDES-BENZ	154209318, 194206718	MERCEDES-BENZ	A0194206718			M16X1,5	M16X1,5	333	90	15	64
24/24	16010055	9254810130	MERITOR	20721845	VOLVO	20721845, 20466070	VOLVO	2142348	M16X1,5	M16X1,5	0	45	15	64
24/24	16010056	9254812700	RENAULT	7420721845	VOLVO	3987614, 20522028	VOLVO	2159622	M16X1,5	M16X1,5	0	45	15	64
24/24	16010057	9254610000	MERCEDES-BENZ	194205718, 154209318	MERCEDES-BENZ	154209718	DAF	1519378	M16X1,5	M16X1,5	0	270	15	64
24/24	16010058	9254610300							M22X1,5	M22X1,5	0	45	15	64
24/24	16010059	9254610000	MERCEDES-BENZ	194206718, A0194205718	MERCEDES-BENZ	A0194206718			M22X1,5	M22X1,5	333	90	15	64
24/24	16010060	9254810130	MERCEDES-BENZ	194205618, 154209218	MERCEDES-BENZ	154209818, 194206618	MERCEDES-BENZ	A0194205618	M22X1,5	M22X1,5	27	270	15	64
24/24	16010061	9254812710	DAF	1791421	DAF	2021704	PACCAR	1791421	M22X1,5	M22X1,5	50	150	15	57
24/24	16010062	9254812700	DAF	1686019	DAF	1443314			M22X1,5	M22X1,5	50	150	15	57
24/24	16010063	9254610000	MERCEDES-BENZ	124209118, 154209118	MERCEDES-BENZ	A0124209118	EVOBUS	A0154209118	M22X1,5	M22X1,5	27	225	15	57
24/24	16010064	9254813600	VOLVO	21596227	VOLVO	20522028	VOLVO	2159622	M16X1,5	M16X1,5	0	45	15	64
24/24	16010065	9254611300	VOLVO	20409105	VOLVO	20466073	VOLVO	21596226	M16X1,5	M16X1,5	0	45	15	64
24/24	16010066	9254813400	MERITOR	21423487	VOLVO	21423487, 20721845	VOLVO	2142348	M16X1,5	M16X1,5	0	45	15	64
24/24	16010067	9254812710	DAF	1791422	1686020	2021705	PACCAR	1791422	M22X1,5	M22X1,5	340	150	15	57

BRAKE CHAMBER, SPRING, DP DISC



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
24/24	16010062	9254811700	DAF	1686019	DAF	1443314	DAF	1791421	M16X1,5	M16X1,5	50	240	15	57
24/24	16010063	9254811640	DAF	1685997	DAF	1426894	DAF	1635891	M22X1,5	M22X1,5	315	90	15	64
24/24	16010064	9254612920	VOLVO	21869990	VOLVO	21323797	VOLVO	21444612	M16X1,5	M16X1,5	0	180	15	64
24/24	16010065	9254811610	DAF	1685993	DAF	1366419			M22X1,5	M22X1,5	27	270	15	64
24/24	16010066	9254811630	DAF	1685998	DAF	1426893	DAF	1635890	M22X1,5	M22X1,5	45	270	15	64
24/24	16010067	9254811600	DAF	1685994	DAF	136642			M22X1,5	M22X1,5	333	90	15	64
24/24	16010068	9254611010	RENAULT	20466070	VOLVO	20466070, 20522028		2159622	M16X1,5	M16X1,5	0	45	15	64
24/24	16010069	9254810000	MERCEDES-BENZ	204204218	MERCEDES-BENZ	A0204204218	VOLVO		M22X1,5	M22X1,5	350	225	15	57
24/24	16010178	PRO4611010	DAF	884491	RENAULT	3197932	SCANIA	1935452	M16X1,5	M16X1,5	0	45	15	64
			DAF	884493	RENAULT	3197933	SCANIA	2079867						
			MERCEDES-BENZ	A0244200918	RENAULT	20386416	SCANIA	8500253						
			MERCEDES-BENZ	A0244201018	RENAULT	20401590	TEREX	19920112						
			MERITOR	68323862	RENAULT	20401591	GIGANT	19123						
			MERITOR	68324406	RENAULT	20466070	GIGANT	19124						
			MERITOR	68324407	RENAULT	20466073	GIGANT	19125						
			NOOTEBOOM	1664248	RENAULT	3197932	IVECO	500590358						
			NOOTEBOOM	1664252	RENAULT	3197933	FONTENAX	2100382						
			NOOTEBOOM	17155	LIEBHERR	10218885	FONTENAX	2100383						
			NOOTEBOOM	17156	LIEBHERR	11080017								
			VOLVO	20386381, 20466072	VOLVO	20721846, 2038641	VOLVO	8113459						
			VOLVO	20386416, 20466073	VOLVO	20721847, 20522028	VOLVO	85000253						
VOLVO	20401590, 3197932	VOLVO	21283629, 2052203	VOLVO	20466070									
VOLVO	20401591, 3197933	VOLVO	2159622, 20466071	VOLVO	21596226									
24/24	16010179	PRO4810120	MERCEDES-BENZ	A0154209318, 154209218	MERCEDES-BENZ	A0234208118, A0234208518	MERCEDES-BENZ	A0234207018	M16X1,5	M16X1,5	333	90	15	64
			MERCEDES-BENZ	A0194205618, 154209718	MERCEDES-BENZ	A0234208218, A0234207118	MERCEDES-BENZ	A0234208618						
			MERCEDES-BENZ	A0194205718, 154209818	MERCEDES-BENZ	A0234208318, 194206718	MERCEDES-BENZ	A0234208518						
			MERCEDES-BENZ	A0234205318, 194206618	MERCEDES-BENZ	A0234208418	MERCEDES-BENZ	A0234205418						
			DAF	1519378	VOLVO	85000466, 8113459	VOLVO	85000253						
24/24	16010070	9254810327	SCANIA	1935462				M16X1,5	M16X1,5	0	45	15	64	
			SCANIA	8500253										

BRAKE CHAMBER, SPRING DP DRUM



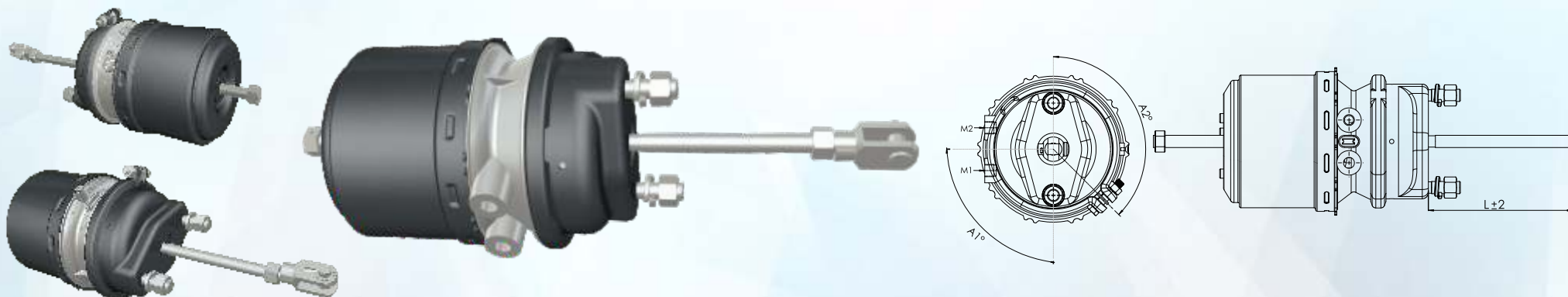
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO					M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke	
			BRAND	OE NO	BRAND	OE NO	BRAND								OE NO
16/24	16010071	9254241000 BZ9324	MERCEDES-BENZ	124200018	EVOBUS	A0124200018	DAF	1518153	M16X1,5	M16X1,5	270	135	187	57	36010002
16/24	16010072	9253242600 BZ1624	MERCEDES-BENZ	6954207218	A6954207218	74206618	MERCEDES-BENZ	A0074206618	M16X1,5	M16X1,5	270	135	192	57	-
16/24	16010073	9253241270	EVOBUS	A0074206618	MERCEDES-BENZ	84208918			M16X1,5	M16X1,5	270	135	60	57	36010003
16/24	16010074	9253241030	MERCEDES-BENZ	74205718	MERCEDES-BENZ	84205818	EVOBUS	A0074205718	M16X1,5	M16X1,5	0	60	30	57	36010003
			MERCEDES-BENZ	A0074205718	MERCEDES-BENZ	94209518	RITEC	49800020900							
16/24	16010075	9253241010	MERCEDES-BENZ	74206018	MERCEDES-BENZ	84209218, 84208518	EVOBUS	A0074206018	M16X1,5	M16X1,5	270	135	270	57	36010003
			MERCEDES-BENZ	94209618	MERCEDES-BENZ	A0074206018	FAUN	7302881							
16/24	16010076	9254949600	KÖGEL	65027970	LIEBHERR	10003354	LOHR	A05010128	M16X1,5	M16X1,5	0	135	250	57	-
			SCHMITZ CARGOBULL	1020769											
16/24	16010077	9253240000	DAF	1518151	MERCEDES-BENZ	64201118	PPT	5430007460	M16X1,5	M16X1,5	0	45	187	57	36010003
			LOHR	A05010115	MERCEDES-BENZ	64203918	RITEC	49800022000							

BRAKE CHAMBER, SPRING DP DRUM



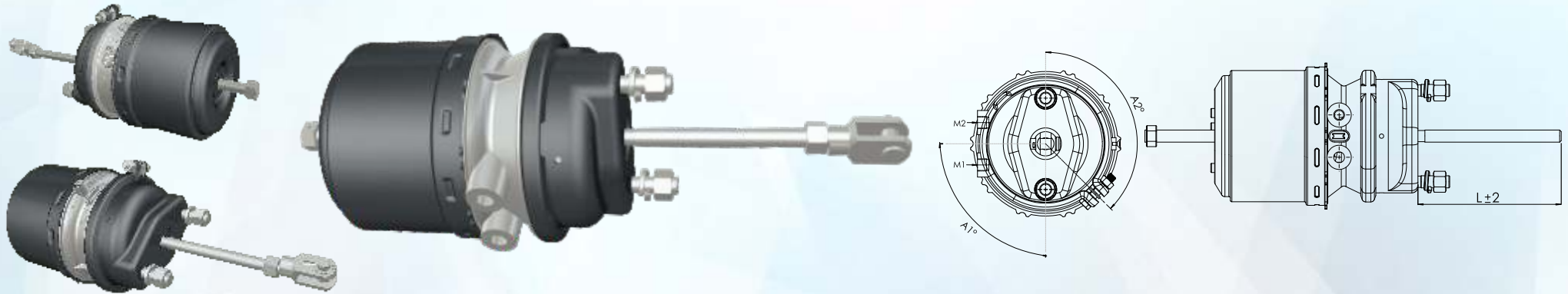
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
20/24	16010180														
20/24	16010078	9254300330							M16X1,5	M16X1,5	270	135	184	64	-
20/24	16010079	9253212030	DAF	1518147	MERCEDES-BENZ	64208918	A0074201318	74201318	M22X1,5	M22X1,5	0	225	25	57	36010002
20/24	16010080	9254907550							M22X1,5	M22X1,5	0	45	252	57	-
20/24	16010081	9254909020	MERCEDES-BENZ	194208918	MERCEDES-BENZ	A0194208918			M22X1,5	M22X1,5	255	165	37	57	36010003
20/24	16010082	9254207520 BZ9415	MAN	81504106560 81504106606		81504106617	NEOPLAN	81504106606	M22X1,5	M22X1,5	270	45	200	57	36010003
			MAN	81504106683	MAN	81504109560									
20/24	16010083	9254909250	DAF	1519443	HAMANA WORKS	GV66002590	IVECO	132723	M16X1,5	M16X1,5	0	225	250	57	-
20/24	16010084	9254901020	DAF	1518313					M22X1,5	M22X1,5	0	225	250	64	-

BRAKE CHAMBER, SPRING DP DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
24/24	16010181	BX9519													
24/24	16010085	9253212020 BZ7530	DAF	1518146	MERCEDES-BENZ	64206818	PPT	206445101	M16X1,5	M16X1,5	270	135	180	64	36010002
			EOBUS	A0074201218	MERCEDES-BENZ	74201218				M22X1,5	M22X1,5	0	225	290	64
24/24	16010086	9253212030	DAF	1518147	MERCEDES-BENZ	64208918, 74201318	MERCEDES-BENZ	A0074201318	M22X1,5	M22X1,5	0	225	25	64	36010003
24/24	16010087	9254911050	MERCEDES-BENZ	174200318	194207718	A0174200318	VDL	41813541	M16X1,5	M16X1,5	55	180	187	64	36010003
24/24	16010088	9254911060	MERCEDES-BENZ	194207818	MERCEDES-BENZ	A0194207818			M16X1,5	M16X1,5	305	180	187	64	36010003
24/24	16010089	9253211200							M16X1,5	M16X1,5	270	135	184	64	-
24/24	16010090	9254217510	MAN	81504106551	81504106609	81504106619	DAF	1519158	M22X1,5	M22X1,5	90	315	200	64	36010003
			MAN	81504106684	81504109551	2V5615331E	NEOPLAN	81504106609							
24/24	16010091	9214217520 BZ9512	MAN	81504106618	81504106552	81504109552	NEOPLAN	81504106608	M22X1,5	M22X1,5	270	45	200	64	36010003
			MAN	81504106608	81504106684	2V5615332E	VW	2V5615332E							
24/24	16010092	9254211000	DAF	1506384	EOBUS	A0124207318	MERCEDES-BENZ	124207318	M22X1,5	M22X1,5	0	225	187	57	36010002
			DAF	1506384	EOBUS	A0124207318	MERCEDES-BENZ	A0124207318							
24/24	16010093	9254211010	EOBUS	A0134203418	MERCEDES-BENZ	134203418	NEOPLAN	11013235	M22X1,5	M22X1,5	0	225	300	57	36010002
			EOBUS	A0134203418	MERCEDES-BENZ	A0134203418	NEOPLAN	11013235							
24/24	16010182								M22X1,5	M22X1,5	0	45	75	64	36010003
24/24	16010094	9254911050	MERCEDES-BENZ	174200318, 194207718	MERCEDES-BENZ	A0194207718	MERCEDES-BENZ	A0174200318	M22X1,5	M22X1,5	55	180	187	57	36010003
24/24	16010095	9254310370	SCANIA	1446044					M16X1,5	M16X1,5	38	180	215	64	36010002
24/24	16010096	9254910920							M16X1,5	M16X1,5	0	130	58	64	-
24/24	16010097	9254911600	VOLVO	22080434					M16X1,5	M16X1,5	0	130	58	64	-
24/24	16010183								M16X1,5	M16X1,5	0	45	187	64	36010001
24/24	16010098	9254217500 BZ 9512	MAN	81504106540	MAN	81504106620	NEOPLAN	81504106610	M22X1,5	M22X1,5	0	45	75	64	36010003
			MAN	81504106684	MAN	81504106610	MAN	81504109540							
24/24	16010099	9254310330	SCANIA	1446042					M16X1,5	M16X1,5	0	270	70	64	36010003
24/24	16010100	9254310950	VOLVO	1626182	1626446	5003225	20438491	1606887	M16X1,5	M16X1,5	0	180	247	64	-
			VOLVO	1626183	1629514	5003226	20438492	1606835							
			VOLVO	1626184	1629515	8113558	20438495	1606836							

BRAKE CHAMBER, SPRING DP DRUM



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
24/24	16010100	9254310950	VOLVO	1626185	8154233	5003484	20438496	1609803	M16X1,5	M16X1,5	0	180	247	64	-
			VOLVO	1626445	8154234	5003485	20466202	3963095							
			VOLVO	8113540	1605737	8112624	20466204	3963094							
			VOLVO	8113541	3986167	8112625	20533199	8113112							
			VOLVO	85003004	3985507	8113419									
24/24	16010101	9254911420	DAF	1487296	KENWORTH	S9254911420	MERITOR	S9254911420	M16X1,5	M16X1,5	0	225	250	64	-
24/24	16010102	9254217010	MAN	81504106345	81504106346	81504106347	NEOPLAN	81504106476	M16X1,5	M16X1,5	0	45	75	57	36010003
			MAN	81504106476	81504106518	81504106531	STEYR	81504106476							
24/24	16010103	9253211600	DAF	1518145	MERCEDES-BENZ	84202318	84206018	Ppt	M16X1,5	M16X1,5	0	225	187	57	36010003
			EVOBUS	A0084202318	MERCEDES-BENZ	94206018	A0084202318	206445003							
24/24	16010104	9254911080	RENAULT	7420713921					M16X1,5	M16X1,5	0	50	58	64	-
24/24	16010105	9254911140	DAF	1519177	LOHR	A050010140	LIEBHERR	10167585	M16X1,5	M16X1,5	0	270	200	64	-
			DOLL	8143102	LOHR	A05010140	LIEBHERR	5029685							
			EVOBUS	8283975000	LOHR	A05010611	LIEBHERR	571037108							
			EVOBUS	8283975000NEU	MERITOR	S9254911140	SCHMITZ CARGOBULL	51037							
			FRUEHAUF	AJZ8139	NEOPLAN	70220000	SCHMITZ CARGOBULL	51037							
			FRUEHAUF	CF352160	NEOPLAN	11013233	SCHWARZMÜLLER	4607							
			GOLDHOFER	157898	NOOTEBOOM	18730	KÄSSBOHRER	21151105024							
			KENWORTH	S925-491-114-0	NOOTEBOOM	305057	KÖGEL	306658							
			KRONE	505807465	PETERBILT	S925-491-114-0	KÖGEL	79540							
24/24	16010106	9254911100						M16X1,5	M16X1,5	0	225	200	64		
24/24	16010107	9254911410 BX9551	DAF	867215	EVOBUS	A0234204918	MAFI	5680012	M16X1,5	M16X1,5	0	225	250	57	-
			DAF	867215	LIEBHERR	571538008	MAN	85504106002							
			SCANIA	2089719	SCHMITZ CARGOBULL	1020765									
24/24	16010108	9254911030	MERITOR	20533196	RENAULT	7420533196	SIFCO	732520080	M16X1,5	M16X1,5	0	50	58	64	-
			VOLVO	20533196	20410154	20438487	3986168								

BRAKE CHAMBER, SPRING DP DRUM



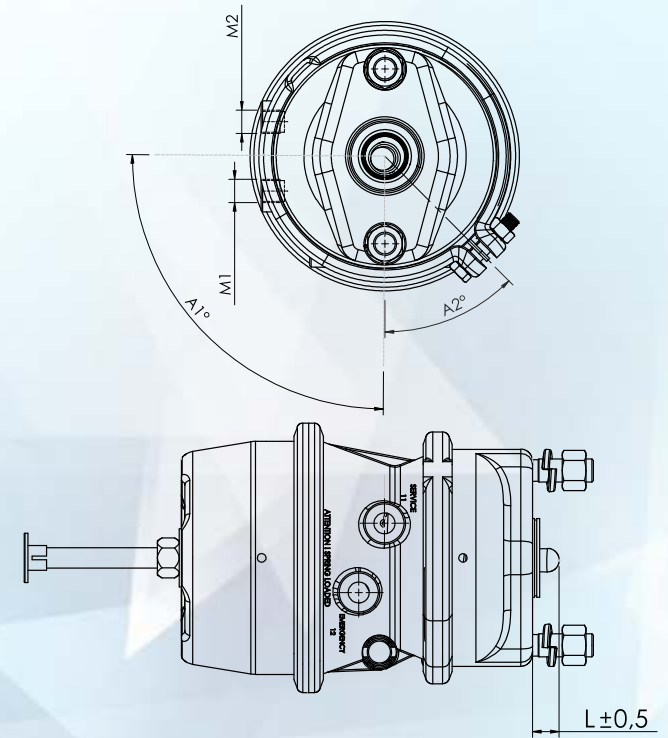
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
30/30	16010109	9254221230 BZ9649	MAN	81504106676	81504106677	81504106680	NEOPLAN	81504106676	M22X1,5	M22X1,5	270	45	187	64	36010002
30/30	16010184								M22X1,5	M22X1,5	270	45	184	64	-
30/30	16010185								M22X1,5	M22X1,5	90	0	85	64	36010002
30/30	16010110	9253222410	DAF	1519121	KÖGEL	79757	MERCEDES-BENZ	64205218	M22X1,5	M22X1,5	0	330	77	64	36010003
			EVOBUS	A0064205218	MAN	N1011013215	MERCEDES-BENZ	A0064205218							
			NEOPLAN	70215000	PPT	5437070000	RITEC	49800022300							
			NEOPLAN	11013215											
30/30	16010111	9253222510 BZ9663	EVOBUS	A0064205318	MERCEDES-BENZ	64205318	NEOPLAN	70211600	M22X1,5	M22X1,5	0	60	77	64	36010003
			RITEC	49800022400	MERCEDES-BENZ	A0064205318	PPT	5437070000							
30/30	16010112	9254922210	MERCEDES-BENZ	194208618	MERCEDES-BENZ	134206918	EVOBUS	A0174204118	M22X1,5	M22X1,5	55	180	187	64	36010003
			MERCEDES-BENZ	174204118	MERCEDES-BENZ	A0174204118	MERCEDES-BENZ	A0194208618							
30/30	16010113	9254929030	MERCEDES-BENZ	204200018	MERCEDES-BENZ	A0204200018			M22X1,5	M22X1,5	257	165	37	64	36010003
30/30	16010114	9254929020	MERCEDES-BENZ	194209918	MERCEDES-BENZ	A0194209918			M22X1,5	M22X1,5	105	195	37	64	36010003
30/30	16010115	9254321170	SCANIA	1446061	SCANIA	1731943			M22X1,5	M22X1,5	270	135	260	64	36010002
30/30	16010116	9253220660	DAF	1519116	NEOPLAN	81504106283			M16X1,5	M16X1,5	325	115	285	64	36010002
			MAN	81504106283	MAN	81504106324									
30/30	16010117	9253222270	MERCEDES-BENZ	134201818					M22X1,5	M22X1,5	0	45	206	64	36010003

BRAKE CHAMBER, SPRING DP DRUM



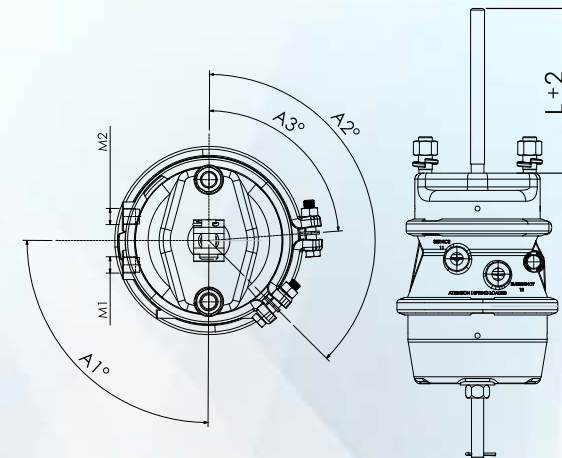
TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO							
30/30	16010118	9254224330	NEOPLAN	70218100	MERCEDES-BENZ	134207718	MERCEDES-BENZ	A0104200418	M22X1,5	M22X1,5	0	240	77	64	36010003
			NEOPLAN	70240000	MERCEDES-BENZ	A0134207718	LEYLAND DAF	BBU9382							
			NEOPLAN	11013249	MERCEDES-BENZ	74202918	DAF	1519168							
			EVOBUS	A0134207718	MERCEDES-BENZ	74203018									
30/30	16010119	9254921020 BZ9663	EVOBUS	A0104200418	MERCEDES-BENZ	104200418		M22X1,5	M22X1,5	270	135	252	64	-	
			A. DENNIS	660740	EVOBUS	89199797624	GOLDHOFER								169691
			DOLL	8143104	FAYMONVILLE	185	MAFI								5680011
30/30	16010120	9253224240	SCANIA	2089721	SCHMITZ CARGOBULL	1020767		M16X1,5	M16X1,5	0	45	38	64	36010003	
30/30	16010121	9253220810	VOLVO	1605860, 5003084	VOLVO	1505581, 1696350	VOLVO	5001623	M16X1,5	M16X1,5	0	115	328	64	36010003
30/30	16010122	9254921030 BZ9657	MAN	81504106499	NEOPLAN	81504106499		M22X1,5	M22X1,5	0	225	252	64	-	
30/30	16010123	9253220760													
			DAF	1519117	MAN	81504106284	SCANIA	1446059	M16X1,5	M16X1,5	35	245	285	64	36010002
30/30	16010124	9254321130	NEOPLAN	81504106284	MAN	81504106323	SCANIA	1331414	M16X1,5	M16X1,5	322	90	215	64	
			SCANIA	1446057	GOLDHOFER	151447	LOHR	A05010127							
			BENALU	1188390240	LIEBHERR	502968208	MAFI	5680011							
			Dimetal	4131002	PPT	5437070020	VAN HOOL	637207800							
30/30	16010125	9253222240	NEOPLAN	70216300	TEREX	96927700		M16X1,5	M16X1,5	0	45	200	64	36010002	
30/30	16010126	9254321140	NEOPLAN	11013227				M16X1,5	M16X1,5	0	232	215	64	36010002	
30/30	16010127	9254221610	SCANIA	1446058				M16X1,5	M16X1,5	90	315	40	64	-	

BRAKE CHAMBER, SPRING DD DISC



TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	L Length	Stroke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO						
16/24	16010001	9253840100	DAF	907655	PACCAR	907655	SAF	4454107764	M16X1,5	M16X1,5	270	135	15	57
			SCANIA	2111697	SCHMITZ CARGOBULL	1064931								
16/24	16010002	9253801010	SAF	4454107930	4454107830	4454107964	SCANIA	2120397	M16X1,5	M16X1,5	270	135	15	64
			DAF	907723	PACCAR	907723								
16/24	16010003	9253840160												
16/24	16010004	9253840010	DAF	1526307	SAF	4454107230	SCANIA	2089761	M16X1,5	M16X1,5	270	135	15	57
			PACCAR	887765	SAF	4454107730	SCHMITZ CARGOBULL	S054998						
			VOLVO	WA9253840010	SAF	4454107630	SCHMITZ CARGOBULL	1064931						

BRAKE CHAMBER, SPRING DD DRUM

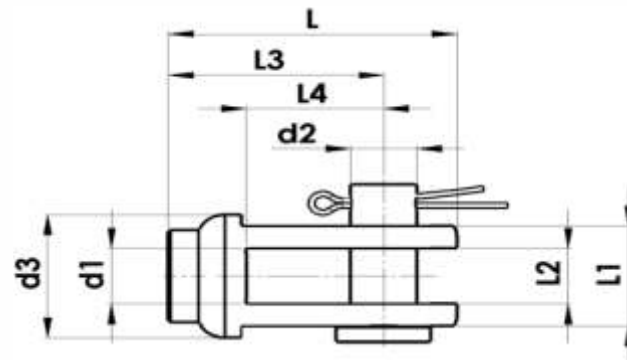


TYPE	HOBI NO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	A3 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO								
16/24	16010168															
16/24	16010167							3/8-18NPTF	3/8-18NPTF	270	135	135	180	57	36010001	
24/30	16010204	-						M16X1,5	M16X1,5	270	135	135	184	75	36010001	
24/30	16010005	9253761000	DAF	882215	DOLL	7013074	JOHN DEERE	WZ2480211	M16X1,5	M16X1,5	270	135	135	213	75	-
			DAF	882215	FAYMONVILLE	133728	LANGENDORF	1263086								
			NOOTEBOOM	12176	SCANIA	1935389										
24/30	16010006	9253713000 BX7523	DAF	1325352	NOOTEBOOM	305112	KÄSSBOHRER	21151105026	M16X1,5	M16X1,5	0	225	45	186	75	-
			FAYMONVILLE	8063	RENAULT	5021170326	KÖGEL	335890								
			FELDBINDER	11248	SCHMITZ	50408	LANGENDORF	1132692								
			GOLDHOFER	163995	CARGOBULL	50408	LOHR	A05010139								
			HENDRICKSON	9253713000	VAN HOOL	10537320	MEILLER	79688639004881								
24/30	16010007	9253761120						M16X1,5	M16X1,5	270	315	315	224	75	36010001	
24/30	16010008	9253761060	DAF	883545	PACCAR	879094	SCANIA	1935390	M16X1,5	M16X1,5	270	315	315	208	75	36010002
			DAF	883545	VOLVO	WA9253761060										
24/30	16010205	925 370 3090						M16X1,5	M16X1,5	270	315	315	245	75	36010001	
24/30	16010009	9253713070						M16X1,5	M16X1,5	270	315	315	300	75	36010001	
24/30	16010010	9253761210						M16X1,5	M16X1,5	90	315	315	213	75	-	
24/30	16010169	-						M16X1,5	M16X1,5	270	135	135	184	64	36010001	
24/30	16010011	9253762000	DAF	883547	DOLL	7091366	SCANIA	2089708	M16X1,5	M16X1,5	0	135	135	224	64	-

BRAKE CHAMBER, SPRING DD DRUM



TYPE	HOBINO	WABCO KNORR NO	CROSS REF. NO						M1 Side Port	M2 Side Port	A1 Port	A2 Clamp	A3 Clamp	L Length	Stroke	Yoke
			BRAND	OE NO	BRAND	OE NO	BRAND	OE NO								
30/30	16010170		Mexico	84798997					M16X1,5	M16X1,5	270	135	135	184	75	36010001
30/30	16010012	9253770000	DAF	879099	SCHMITZ CARGOBULL	1043485	TIRSAN	21151105033	M16X1,5	M16X1,5	270	135	135	214	75	-
			DAF	879099	SAF	4454105800	PACCAR	879099								
30/30	16010013	9253772000	DAF	883549	DAF	883549			M16X1,5	M16X1,5	270	135	135	225	64	-
30/30	16010014	9253771000	DAF	883258	VOLVO	WA9253771000	MEILLER	79688739022620	M16X1,5	M16X1,5	270	135	135	212	75	-
			DAF	883258	BPW	54442101	NOOTEBOOM	6567								
			PACCAR	879099	SCANIA	1738483	SCHMITZ CARGOBULL	1232789								
30/30	16010015	9253621000 BX7612	DAF	1519143	LOHR	A05010153	RENAULT	5021170325	M16X1,5	M16X1,5	270	0	180	227	75	36010002
30/30	16010016	9253723070							M16X1,5	M16X1,5	270	315	315	380	75	36010001
30/30	16010171		BENDIX	K151317					3/8-18NPTF	3/8-18NPTF	0	0	0	247	64	-
30/30	16010017	9253771100							M16X1,5	M16X1,5	90	315	315	233	75	36010001



HOBINO	d1	d2	d3	L	L1	L2	L3	L4
36010001	M16X1,5	14	41	80	26,5	14,5	65	59

HOBINO	d1	d2	d3	L	L1	L2	L3	L4
36010002	M16X1,5	14,2	27,5	63,5	27,1	14,5	49,3	28

HOBINO	d1	d2	d3	L	L1	L2	L3	L4
36010003	Ø16	14	26.60	51	26.60	14,5	37.50	31
36010005	Ø16	14	26.60	39.50	26.60	14,5	26	20

HOBINO	d1	d2	d3	L	L1	L2	L3	L4
36010004	M16X1,5	14	41	145	26,5	14,5	66.25	60,25

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