Aftermarket Catalogue
Europe



Edition 2

Haldex

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FINDEX



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www.haldex.com/findex

Haldex

Innovative Vehicle Solutions

Introduction

This catalogue covers Haldex products for the European aftermarket. It presents detailed information for each product range, which facilitates identification of required items.

Item inclusion or exclusion does not determine availability. For availability, please contact Haldex directly.

For a complete price list, documentation and most recent product information, please consult the Haldex product navigation tool, Findex, at www.haldex.com.

If you cannot find an item:

1) Check the cross reference section at the back of this catalogue.

2) Check Findex at www.haldex.com/Findex.

3) Contact Haldex directly.

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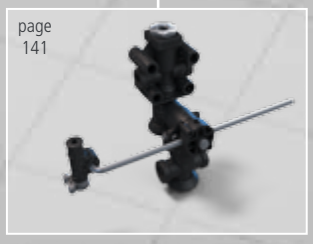

Air disc brakes
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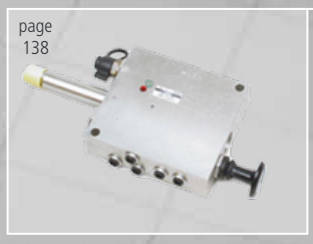

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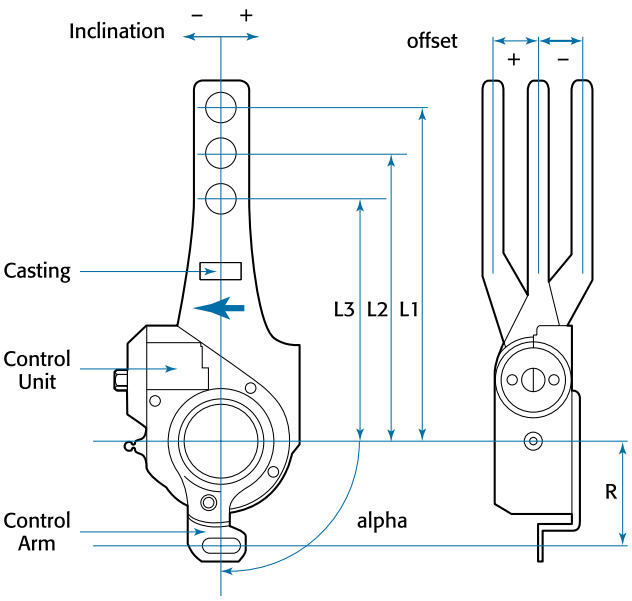
BRAKE ADJUSTERS

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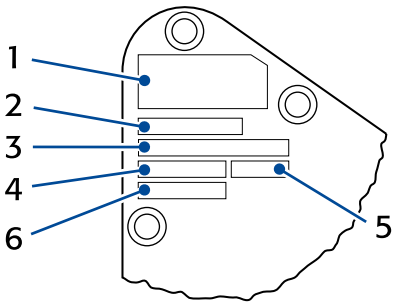
Automatic brake adjusters AA1

Automatic brake adjusters AA1 offer customers a higher level of technical efficiency, safety and reliability. They are designed to adjust exactly and gradually when it matters, maintaining a constant clearance between lining and drum, whatever the conditions or driver's braking style. The adjustment mechanism is integrated into a robust, high-quality housing that protects it from knocks, dirt and moisture and assures a long service life even in hostile driving environments.

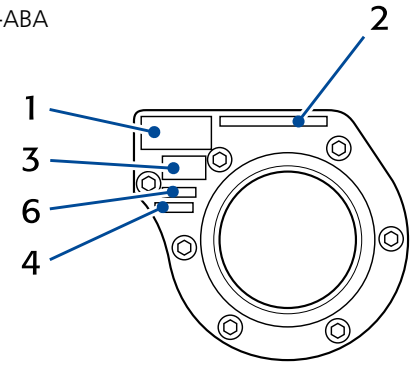
The long-term success of the AA1 has propelled Haldex to its position as world No 1. supplier of automatic brake adjusters to the heavy commercial vehicle sector.



AA1

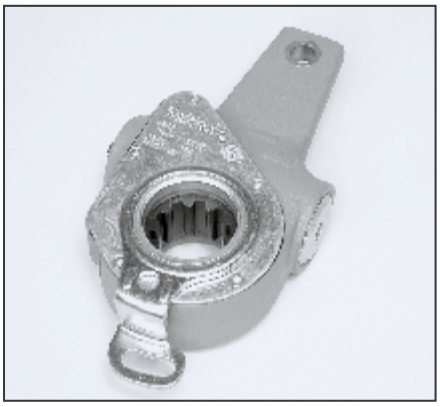


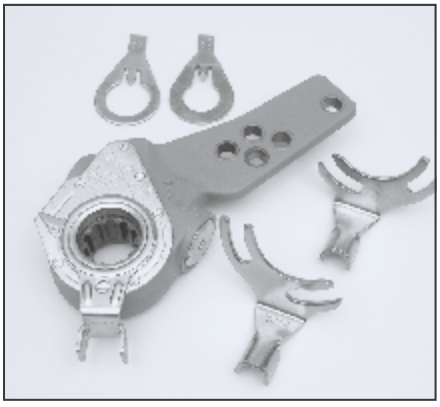
S-ABA

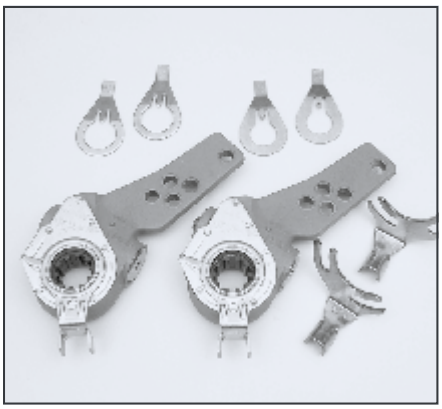


1 Logo
2 [Spare]
3 assembly location
4 ABA part number
5 control unit part number
6 Serial No. eg. S/N 8 15 023

Last digit in year of manufacture (199**8**) | Week of manufacture | Batch number


AA1 C-kit


AA1 S-kit


S-ABA D-kit


control arm = double bent


control arm = bent


control arm = straight

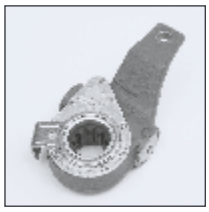

control arm = saddle

BRAKE ADJUSTERS

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
10283C	2901	164		19	150							12.7	+60.3	+22.5	A38x34 DIN 5482	135	bent	10284C
10519C	4085	909	Van Hool	27	152							14	0	0	BNA 227	30	bent	
10868C	2760	983	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	150	bent	10869C
10869C	2761	983	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	150	bent	10868C
10911C	4104	754		10	127							12.7	0	0	SAE 1 1/2'' 10 C	76	double bent (short; R=65 mm)	
11011C	4104	983	Bova	10	140							14	0	0	SAE 1 1/2'' 10 C	150	bent	
12113C	2761	422	Steer axle	37	203	179	151					14	+38	0	SAE J 498	110	bent	12112C
12194C	3863	711		10	178	152	127					14	-25	-30	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	12195C
12195C	3864	711		10	178	152	127					14	+25	-30	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	12194C
12243C	3068	908		26	140							14	-28.5	0	40x1.5 CSN 014950.1	30	bent	12244C
12244C	3069	908		26	140							14	+28.5	0	40x1.5 CSN 014950.1	30	bent	12243C
12255C	2761	164	Hino	19	150							12.7	+38	0	A38x34 DIN 5482	135	bent	12254C
12256C	2752	424	Hino	19	150							12.7	0	0	A38x34 DIN 5482	0	bent	
12307C	2752	424	TMM	10	180	150						14	0	0	SAE 1 1/2'' 10 C	0	bent	
12310C	3226	748	Jelcz	27	180							14	0	-38	BNA 227	70	double bent (short; R=65 mm)	
12311C	4079	777	Jelcz	27	180							14	-73	0	BNA 227, ø35.0	27	double bent (short; R=65 mm)	12312C
12312C	4080	777	Jelcz	27	180							14	+73	0	BNA 227, ø35.0	27	double bent (short; R=65 mm)	12311C
12313C	2755	636	Jelcz	27	180							14	-16	0	BNA 227, ø35.0	55	bent	12314C
12314C	2756	636	Jelcz	27	180							14	+16	0	BNA 227, ø35.0	55	bent	12313C
12350C	2754	426	Frenelsa	10	190	155						14	+22	0	SAE 1 1/2'' 10 C	130	bent	12351C
12351C	2753	426	Frenelsa	10	190	155						14	-22	0	SAE 1 1/2'' 10 C	130	bent	12350C
12356C	4032	515	Jelcz	19	130							14	0	+20	A38x34 DIN 5482	128	bent	
12363C	3717	771	Liaz/Ikarus	19	165							14	-56.2	+25	A38x34 DIN 5482	98	double bent (short; R=65 mm)	12364C
12364C	3718	771	Liaz/Ikarus	19	165							14	+56.2	+25	A38x34 DIN 5482	98	double bent (short; R=65 mm)	12363C
70510C	4104	405	Leyland	10	114							12.7	0	0	SAE 1 1/2'' 10 C	135	bent	


10519C


10868C


10869C


10911C


11011C


12113C

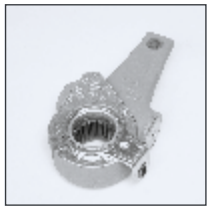

12194C


12195C


12243C


12244C


12255C


12256C


12307C


12310C


12311C


12312C


12313C


12314C


12350C


12351C


12356C


12363C


12364C


70510C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
70511C	2760	405	Leyland	10	178							12.7	-38	0	SAE 1 1/2'' 10 C	135	bent	70512C
70512C	2761	405	Leyland	10	178							12.7	+38	0	SAE 1 1/2'' 10 C	135	bent	70511C
70526C	2756	151	Leyland	10	165							12.7	+16	0	SAE 1 1/2'' 10 C	110	double bent (short; R=65 mm)	70527C
70530C	2752	161	Leyland	10	178							12.7	0	0	SAE 1 1/2'' 10 C	155	double bent (short; R=65 mm)	
70532C	2752	425	Leyland	10	203							12.7	0	0	SAE 1 1/2'' 10 C	110	bent	
70571C	2756	953	Volvo/Ailsa	10	140							12.7	+16	0	SAE 1 1/2'' 10 C	140	bent	70572C
70572C	2755	953	Volvo/Ailsa	10	140							12.7	-16	0	SAE 1 1/2'' 10 C	140	bent	70571C
70576C	2752	424	ROR	10	203	178	152	127				12.7	0	0	SAE 1 1/2'' 10 C	0	bent	
70582C	2756	425	Leyland	10	165							12.7	+16	0	SAE 1 1/2'' 10 C	110	bent	70583C
70608C	2933	403	Renault	27	238							14	+35.6	+24.8	BNA 227	120	bent	70609C
70624C	2922	433	Leyland	10	178							12.7	0	+26	SAE 1 1/2'' 10 C	110	bent	
70626C	2771	434	Leyland	10	165							12.7	+16	+22.5	SAE 1 1/2'' 10 C	140	bent	70627C
70627C	2772	434	Leyland	10	165							12.7	-16	+22.5	SAE 1 1/2'' 10 C	140	bent	70626C
70634C	2752	435	Leyland	10	179							12.7	0	0	SAE 1 1/2'' 10 C	135	bent	
70678C	2752	422	BPW	10	180	150	120					14	0	0	SAE 1 1/2'' 10 C	110	bent	
70706C	3078	854	Daimler/ Neoplan	26	115							14	0	-29	N42x1.5x12H DIN 5480	61	double bent (short; R=65 mm)	
70708C	3166	853		26	130							14	0	0	N42x1.5x12H DIN 5480	75	double bent (short; R=65 mm)	
70719C	2761	412	Kässbohrer	19	170							14	+38	0	A38x34 DIN 5482	90	bent	70718C
70720C	4085	915	Kässbohrer	19	145							14	0	0	A38x34 DIN 5482	45	bent	
70726C	4104	946	Jelecz	19	122							14	0	0	A38x34 DIN 5482	115	bent	
70752C	2752	637	Bergische Stadt Industrie	10	180							14	0	0	SAE 1 1/2'' 10 C	110	double bent (short; R=65 mm)	
70753C	3162	253	Daimler	26	145							14	+18	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	70754C
70754C	3163	253	Daimler	26	145							14	-18	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	70753C
70762C	2752	877	Saurer	19	180	135						14 (L2: without)	0	0	A38x34 DIN 5482	50	double bent (short; R=65 mm)	


70511C


70512C


70526C


70530C


70532C


70571C


70572C


70576C


70582C


70608C


70624C


70626C


70627C


70634C

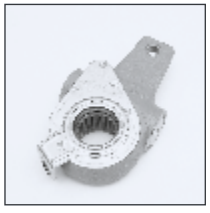

70678C


70706C


70708C


70719C


70720C


70726C


70752C


70753C


70754C


70762C

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
70764C	2752	871	Saurer	19	180	135						14	0	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	
70771C	3196	255	Daimler/ Neoplan	26	115							14	+15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	70772C
70772C	3195	255	Daimler/ Neoplan	26	115							14	-15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	70771C
70775C	3202	864	Daimler/ Neoplan	26	130							14	0	+120	N42x1.5x12H DIN 5480	79	double bent (short; R=65 mm)	
70785C	2766	938	Leyland	10	171							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	70786C
70787C	2752	442	Leyland	10	203	151						12.7 (L1: without)	0	0	SAE 1 1/2'' 10 C	0	bent	
70789C	3216	863	Daimler	26	215							14	-26	+10.5	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	70790C
70799C	2852	402	CBM	27	239							14	+12.4	0	BNA 227	90	bent	70800C
70800C	2851	402	CBM	27	239							14	-12.4	0	BNA 227	90	bent	70799C
70802C	2760	422	SAF	10	203	179	151					14	-38	0	SAE 1 1/2'' 10 C	110	bent	70803C
70803C	2761	422	SAF	10	203	179	151					14	+38	0	SAE 1 1/2'' 10 C	110	bent	70802C
70809C	4085	867	Fiat	8	160							12.7	0	0	32 UNI 222	43	double bent (short; R=65 mm)	
70810C	4085	865	Fiat	8	160							12.7	0	0	32 UNI 222	12	double bent (short; R=65 mm)	
70823C	4104	419	DAF	10	140							14	0	0	SAE 1 1/2'' 10 C	110	bent	
70824C	2760	419	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	110	bent	70825C
70825C	2761	419	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	110	bent	70824C
70841C	2761	435	Leyland	10	165							12.7	+38	0	SAE 1 1/2'' 10 C	135	bent	70840C
70851	4104	870	Sisu	10	140							12.7	0	0	SAE 1 1/2'' 10 C	115	double bent (short; R=65 mm)	
70852C	2897	867	Sisu	10	178							16	0	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	
70854C	2752	868	Fruehauf	37	210	180	150	125				14 (L1: without)	0	0	SAE J 498	10	double bent (short; R=65 mm)	
70859C	4104	427	Dennis/MCW	10	140							12.7	0	0	SAE 1 1/2'' 10 C	75	bent	
70865C	2897	438	SAB	10	210	175						16	0	0	SAE 1 1/2'' 10 C	355	bent	
70866C	2897	962	SAB	10	210	175						16	0	0	SAE 1 1/2'' 10 C	355	bent	
70867C	3177	482	Daimler	26	145							14	0	+132.5	N42x1.5x12H DIN 5480	75	double bent (medium; R=78 mm)	
70868C	2754	74958	Bofors	19	200							14	22	0	A38x34 DIN 5482	150	L=60	
70869C	2753	958	Bofors	19	200							14	-22	0	A38x34 DIN 5482	150	bent	70868C


70764C


70771C


70772C


70775C


70785C


70787C

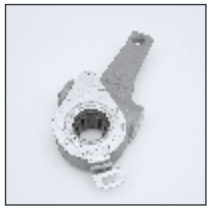

70789C


70799C


70800C


70802C


70803C


70809C


70810C


70823C


70825C


70841C

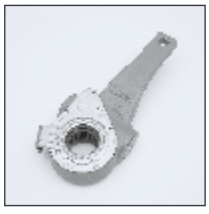

70852C


70859C


70865C


70866C


70867C


70869C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
70870C	3194	888	Daimler	26	110							14	0	+120	N42x1.5x12H DIN 5480	114	double bent (short; R=65 mm)	
70871C	3226	908	DAF	10	140							14	0	-38	SAE 1 1/2'' 10 C	30	bent	
70880C	2931	413	Renault	27	258							14	+36.6	0	BNA 227	90	bent	70881C
70887C	2752	919	SAB	10	203	178	152	127				12.7	0	0	SAE 1 1/2'' 10 C	60	bent	
70892C	4086	578	Fiat	8	180							12.7	0	+20	32 UNI 222	153	double bent (short; R=65 mm)	
70893C	2760	427	Dana/MCW	10	140							12.7	-38	0	SAE 1 1/2'' 10 C	75	bent	70894C
70894C	2761	427	Dana/MCW	10	140							12.7	+38	0	SAE 1 1/2'' 10 C	75	bent	70893C
70897C	3717	900	Renault	27	175							14	-56.2	+25	BNA 227	0	double bent (short; R=65 mm)	70896C
70903C	4085	865	Menarini/ Bredamener-inibus	10	160							12.7	0	0	SAE 1 1/2'' 10 C	12	double bent (short; R=65 mm)	
70905C	2752 (4085)	900	Van Hool	10	152							14	0	0	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	
70917C	3186	281	Daimler	26	145							14	+56	+4	N42x1.5x12H DIN 5480	94	straight	70918C
70918C	3185	282	Daimler	26	145							14	-56	+4	N42x1.5x12H DIN 5480	94	double bent (short; R=65 mm)	70917C
70919C	2752	860	Sicca/ Bredamenar-inibus	8	180							12.7	0	0	32 UNI 222	90	double bent (short; R=65 mm)	
70930C	3185	427	MCW	10	140							12.7	-56	+4	SAE 1 1/2'' 10 C	75	bent	70931C
70931C	3186	427	MCW	10	140							12.7	+56	+4	SAE 1 1/2'' 10 C	75	bent	70930C
70932C	4085	893	Volvo	26	165							12.7	0	0	N42x1.5x12H DIN 5480	60	double bent (short; R=65 mm)	
70943C	2771	971	Leyland	10	155							12.7	+16	+22.5	SAE 1 1/2'' 10 C	130	bent	70944C
70944C	2772	971	Leyland	10	155							12.7	-16	+22.5	SAE 1 1/2'' 10 C	130	bent	70943C
70945C	2752	442	Leyland	10	180							12.7	0	0	SAE 1 1/2'' 10 C	0	bent	
70946C	2752	958	Volvo	10	140							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
70949C	3865	459	SAF	10	200	176	152	127				14 (L1: without)	0	+132.5	SAE 1 1/2'' 10 C	283.5	double bent (long; R=100 mm)	
70950C	2882	884	Daimler	26	110							14	0	+27	N42x1.5x12H DIN 5480	35	double bent (short; R=65 mm)	


70870C


70871C


70880C


70892C


70893C


70894C


70897C


70903C


70905C

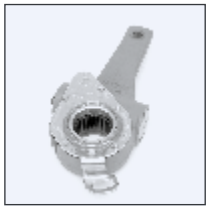

70917C


70918C


70919C

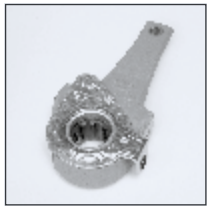

70930C


70931C


70932C


70943C


70944C


70945C


70949C


70950C

BRAKE ADJUSTERS

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
70952C	3879	782	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	106	double bent (short; R=65 mm)	70953C
70953C	3878	782	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	106	double bent (short; R=65 mm)	70952C
70954C	4024	682	Daimler	26	145							14	0	+132.5	N42x1.5x12H DIN 5480	86	double bent (short; R=65 mm)	
70957C	4085	414	Volvo	10	152							16	0	0	SAE 1 1/2'' 10 C	0	bent	
70959C	2752	691	Fruehauf	37	210	180	155	130				14 (L1: without)	0	0	SAE J 498	100	double bent (short; R=65 mm)	
70969C	3068	422	SAF/BPW	10	198	173	148					14	-28.5	0	SAE 1 1/2'' 10 C	110	bent	70970C
70970C	3069	422	SAF/BPW	10	198	173	148					14	+28.5	0	SAE 1 1/2'' 10 C	110	bent	70969C
70976C	2852	413	Renault	27	238							14	+12.4	0	BNA 227	90	bent	70975C
70977C	2760	456	Volvo	10	152							12.7	-38	0	SAE 1 1/2'' 10 C	330	double bent (long; R=100 mm)	70978C
70978C	2761	456	Volvo	10	152							12.7	+38	0	SAE 1 1/2'' 10 C	330	double bent (long; R=100 mm)	70977C
70986C	4104	268	Dennis	10	140							12.7	0	0	SAE 1 1/2'' 10 C	160	double bent (medium; R=78 mm)	
70989C	2752	972	Kässbohrer	37	180	150						14	0	0	A36x40 DIN 5481	155	bent	
70990C	4045	799	Daimler	26	145							14	-18	+34	N42x1.5x12H DIN 5480	114	double bent (short; R=65 mm)	70991C
70991C	4044	799	Daimler	26	145							14	+18	+34	N42x1.5x12H DIN 5480	114	double bent (short; R=65 mm)	70990C
70996C	2897	412	Bartoletti	8	214	191	168					12.7	0	0	32 UNI 222	90	bent	
72007C	3863	471	SAF	10	178	152	127					14	-25	-30	SAE 1 1/2'' 10 C	92	double bent (medium; R=78 mm)	72008C
72008C	3864	471	SAF	10	178	152	127					14	+25	-30	SAE 1 1/2'' 10 C	92	double bent (medium; R=78 mm)	72007C
72016C	3226	448	Kässbohrer	19	145							14	0	-38	A38x34 DIN 5482	5	bent	
72017C	2985	765	Kässbohrer	19	160							14	-38	-34	A38x34 DIN 5482	10	bent	72018C
72018C	2987	765	Kässbohrer	19	160							14	+38	-34	A38x34 DIN 5482	10	bent	72017C
72029C	2772	949	Bombardier	10	133							12.7	-16	+22.5	SAE 1 1/2'' 10 C	125	bent	72028C
72030C	3226	414	Bombardier	10	178							12.7	0	-38	SAE 1 1/2'' 10 C	0	bent	
72031C	2752	414	Fruehauf	10	200	142	118					12.7	0	0	SAE 1 1/2'' 10 C	0	bent	
72035C	3890	432	Fiat	8	190							12.7	0	+138.5	32 UNI 222	342	double bent (medium; R=78 mm)	


70952C


70953C


70954C


70957C


70959C


70969C


70970C


70976C


70977C


70978C


70986C


70989C


70990C

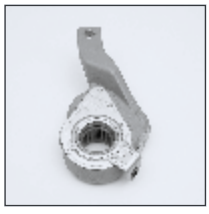

70991C


70996C


72007C


72008C


72016C


72017C


72018C


72029C


72030C


72031C


72035C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72038C	4004	687	Daimler	26	145							14	+60	+34.5	N42x1.5x12H DIN 5480	7	double bent (short; R=65 mm)	72039C
72039C	4005	687	Daimler	26	145							14	-60	+34.5	N42x1.5x12H DIN 5480	7	double bent (short; R=65 mm)	72038C
72040C	4010	685	Daimler	26	145							14	-42	+105	N42x1.5x12H DIN 5480	80	double bent (short; R=65 mm)	72041C
72041C	4011	685	Daimler	26	145							14	+42	+105	N42x1.5x12H DIN 5480	80	double bent (short; R=65 mm)	72040C
72046C	4024	769	Daimler	26	145							14	0	+132.5	N42x1.5x12H DIN 5480	86	double bent (short; R=65 mm)	
72053C	2752	270	SAF/BPW	10	210	180	150	125				14	0	0	SAE 1 1/2'' 10 C	20	double bent (short; R=65 mm)	
72054C	4077	770	Daimler	26	145							14	+60	-10	N42x1.5x12H DIN 5480	89	double bent (short; R=65 mm)	72055C
72055C	4078	770	Daimler	26	145							14	-60	-10	N42x1.5x12H DIN 5480	89	double bent (short; R=65 mm)	72054C
72056C	3900	274	Daimler	26	145							14	0	+37	N42x1.5x12H DIN 5480	150	double bent (medium; R=78 mm)	
72059C	3900	686	Daimler	26	145							14	0	+37	N42x1.5x12H DIN 5480	358	double bent (short; R=65 mm)	
72060C	3860	272	Daimler	26	145							14	-15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	72061C
72061C	3861	272	Daimler	26	145							14	+15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	72060C
72062C	4019	253	Daimler	26	145							14	+37	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72063C
72063C	4018	253	Daimler	26	145							14	-37	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72062C
72064C	4016	269	Daimler	26	145							14	-63	-20	N42x1.5x12H DIN 5480	47.5	double bent (short; R=65 mm)	72065C
72065C	4017	269	Daimler	26	145							14	+63	-20	N42x1.5x12H DIN 5480	47.5	double bent (short; R=65 mm)	72064C
72070C	3186	767	Daimler	26	145							14	+56	+4	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	72069C


72038C


72039C


72040C


72041C


72046C


72053C


72054C


72055C


72056C


72059C


72060C


72061C


72062C


72063C


72064C

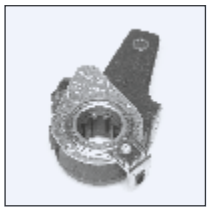

72065C


72070C

BRAKE ADJUSTERS

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72085C	4104	284	Volvo	10	133							12.7	0	0	SAE 1 1/2'' 10 C	30	bent	
72086C	2752	442	Leyland	10	203	171						12.7 (L1: without)	0	0	SAE 1 1/2'' 10 C	0	bent	
72096C	4022	290	Daimler	26	145							14	-31	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	72097C
72105C	2755	936	Leyland	10	178							12.7	-16	0	SAE 1 1/2'' 10 C	85	bent	72106C
72106C	2756	936	Leyland	10	178							12.7	+16	0	SAE 1 1/2'' 10 C	85	bent	72105C
72117	3226	258	DAF	10	140							14	0	-38	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	
72121C	4026	291	Daimler	26	145							14	+31	+15.5	N42x1.5x12H DIN 5480	131	double bent (short; R=65 mm)	72120C
72138C	2902	257	Renault	19	170							14	-60.3	+22.5	A38x34 DIN 5482	0	double bent (medium; R=78 mm)	72137C
72141C	2761	427	MCW	10	165							12.7	+38	0	SAE 1 1/2'' 10 C	75	bent	72140C
72143C	2752	918	Military trailer	10	190							12.7	0	0	SAE 1 1/2'' 10 C	60	bent	
72145C	4104	985	Dennis	10	127							12.7	0	0	SAE 1 1/2'' 10 C	15	bent	
72148C	2761	987	Dennis/MCW	10	140							12.7	+38	0	SAE 1 1/2'' 10 C	50	bent	72147C
72151C	2761	262	DAF	10	165							14	+38	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72150C
72168C	2895	971	Leyland	10	152							12.7	-47.6	+22.5	SAE 1 1/2'' 10 C	130	bent	72169C
72169C	2894	971	Leyland	10	152							12.7	+47.6	+22.5	SAE 1 1/2'' 10 C	130	bent	72168C
72173C	3185	293	Daimler	26	145							14	-56	+4	N42x1.5x12H DIN 5480	144	double bent (short; R=65 mm)	72174C
72174C	3186	293	Daimler	26	145							14	+56	+4	N42x1.5x12H DIN 5480	144	double bent (short; R=65 mm)	72173C
72177C	3202	295	Neoplan	19	130							14	0	+120	A38x34 DIN 5482	79	double bent (short; R=65 mm)	
72178C	4049	575	Daimler	26	145							14	0	+172	N42x1.5x12H DIN 5480	152	double bent (medium; R=78 mm)	
72179C	3226	354	Foden	10	127							12.7	0	-38	SAE 1 1/2'' 10 C	350	double bent (long; R=100 mm)	
72180C	3226	357	Foden	28	127							12.7	0	-38	SAE 1 1/2'' 28 C	355	double bent (long; R=100 mm)	
72181C	3226	357	Foden	28	140							12.7	0	-38	SAE 1 1/2'' 28 C	355	double bent (long; R=100 mm)	
72182C	3226	474	Bredamenar-inibus	10	140							14	0	-38	SAE 1 1/2'' 10 C	103	double bent (short; R=65 mm)	
72190C	2752	411	Dana/MCWERF	10	114							12.7	0	0	SAE 1 1/2'' 10 C	75	bent	
72199C	3226	362	Foden	28	127							12.7	0	-38	SAE 1 1/2'' 28 C	325	double bent (long; R=100 mm)	


72085C


72086C


72096C


72105C


72106C


72121C


72138C


72143C


72145C


72148C


72151C


72168C


72169C


72173C


72174C


72177C


72178C


72179C


72180C


72181C


72182C


72190C


72199C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72203C	3863	778	ZF/Neoplan	19	145							14	-25	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	72204C
72204C	3864	778	ZF/Neoplan	19	145							14	+25	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	72203C
72205C	4085	404	Kälble	26	152							16	0	0	N42x1.5x12H DIN 5480	90	bent	
72211C	4035	477	Daimler	26	130							14	-15	-14	N42x1.5x12H DIN 5480	358	double bent (medium; R=78 mm)	72212C
72212C	4036	477	Daimler	26	130							14	+15	-14	N42x1.5x12H DIN 5480	358	double bent (medium; R=78 mm)	72211C
72213C	4037	476	Daimler	26	130							14	0	-29.5	N42x1.5x12H DIN 5480	337.5	double bent (medium; R=78 mm)	
72215	3069	360	Iveco Pegaso	19	160							14	+28.5	0	A38x34 DIN 5482	80	bent	72216
72215C	3069	360	Iveco Pegaso	19	160							14	+28.5	0	A38x34 DIN 5482	80	bent	72216C
72216C	3068	360	Iveco Pegaso	19	160							14	-28.5	0	A38x34 DIN 5482	80	bent	72215C
72217C	2753	360	Iveco Pegaso	19	200							14	-22	0	A38x34 DIN 5482	80	bent	72218C
72218C	2754	360	Iveco Pegaso	19	200							14	+22	0	A38x34 DIN 5482	80	bent	72217C
72234C	4019	988	Daimler	26	145							14	+37	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72235C
72238C	3863	266	SAF	10	178	152	127					14	-25	-30	SAE 1 1/2'' 10 C	0	double bent (medium; R=78 mm)	72239C
72239C	3864	266	SAF	10	178	152	127					14	+25	-30	SAE 1 1/2'' 10 C	0	double bent (medium; R=78 mm)	72238C
72250C	4032	632	SAF	10	250	210	180	150	125			14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72251C	4086	426	SAE	27	210	180	150	125				14	0	+20	BNA 227	130	bent	
72253C	4032	426	BPW	10	250	180	150	120				14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72254C	4086 (4032)	632	Trailor/Samro	10	210	180	150	125				14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72255C	4086	934	ROR	10	215	181	153	129	105			12.7	0	+20	SAE 1 1/2'' 10 C	80	bent	
72259C	4086	426	ROR	37	215	181	153	129	105			14 (L1: without)	0	+20	SAE J 498	130	bent	
72260C	4086	299	ROR	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	20	bent	
72261C	4086	426	Montracon	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72262C	4086	567	Sisu	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72266C	4086	632	Fruehauf	37	215	153	129	105				14 (L1: 16)	0	+20	SAE J 498	130	bent	
72270C	4086	632	SAF	10	153	129	105					14	0	+20	SAE 1 1/2'' 10 C	130	bent	


72203C


72204C


72205C


72211C


72212C


72213C


72215C


72216C

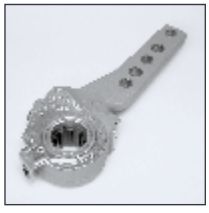

72217C


72218C

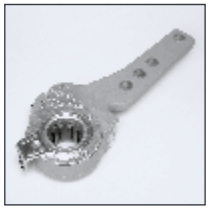

72234C


72238C


72239C


72250C


72251C


72253C

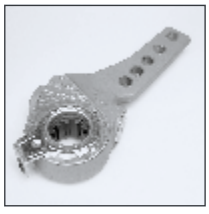

72254C

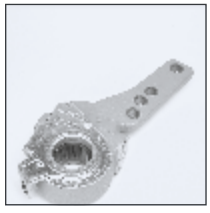

72255C


72259C


72260C

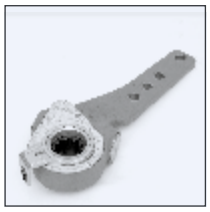

72261C


72262C


72266C


72270C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72271C	4032	426	SAF	10	250	195	165	135				14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72303C	3185	565	MAN	26	145							14	-56	+4	N42x1.5x12H DIN 5480	144	double bent (short; R=65 mm)	72304C
72308C	3177	482	Daimler	26	145							14	0	+132.5	N42x1.5x12H DIN 5480	75	double bent (medium; R=78 mm)	
72315C	4085	376	Renault	19	160							14	0	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	
72326C	2752 (4085)	778	ZF	19	152							14	0	0	A38x34 DIN 5482	50	double bent (short; R=65 mm)	
72330C	4085	900	Van Hool/ Iveco turbocity/ Bredamenar-inibus	19	152							14	0	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	
72333C	4104	903	Foden	10	140							12.7	0	0	SAE 1 1/2'' 10 C	15	bent	
72344C	2901	258		10	151							12.7	+60.3	+22.5	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72345C
72356C	4085	376	Seddon Atkinson	19	150							14	0	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	
72357	4054	380	Liaz	26	150							14	+18	-38	40x1.5 CSN 014950.1	32	bent	72358
72357C	4054	380	Liaz	26	150							14	+18	-38	40x1.5 CSN 014950.1	32	bent	72358C
72358C	4055	380	Liaz	26	150							14	-18	-38	40x1.5 CSN 014950.1	32	bent	72357C
72359C	4086	298	ROR	10	215	142	118					14 (L1: 16)	0	+20	SAE 1 1/2'' 10 C	130	bent	
72361C	4104	990	MCW	10	115							12.7	0	0	SAE 1 1/2'' 10 C	65	bent	
72362C	4104	902	Dennis	10	127							12.7	0	0	SAE 1 1/2'' 10 C	15	bent	
72363C	2752	985	Dennis	10	140							12.7	0	0	SAE 1 1/2'' 10 C	15	bent	
72364C	4104	365	Dennis	10	127							12.7	0	0	SAE 1 1/2'' 10 C	340	double bent (medium; R=78 mm)	
72367C	4104	902	Dennis	10	140							12.7	0	0	SAE 1 1/2'' 10 C	15	bent	
72370C	2760	364	Kässbohrer	19	175							14	-38	0	A38x34 DIN 5482	180	double bent (long; R=100 mm)	72371C
72371C	2761	364	Kässbohrer	19	175							14	+38	0	A38x34 DIN 5482	180	double bent (long; R=100 mm)	72370C
72393C	4104	410	Dennis	10	140							12.7	0	0	SAE 1 1/2'' 10 C	75	bent	
72401C	4034	491	Leyland	10	120							12.7	-28.5	0	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	72402C


72271C


72308C


72326C


72330C


72333C


72344C


72356C


72357C


72358C

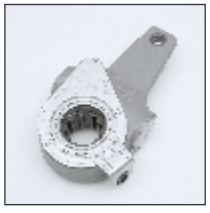

72359C


72361C


72362C


72363C


72364C


72367C


72370C


72371C


72393C


72401C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72403C	4034	491	Leyland	10	133							12.7	-28.5	0	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	72404C
72404C	4033	491	Leyland	10	133							12.7	+28.5	0	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	72403C
72406C	4104	775	Leyland	10	133							12.7	0	0	SAE 1 1/2'' 10 C	80	double bent (short; R=65 mm)	
72407C	4104	775	Leyland	10	140							12.7	0	0	SAE 1 1/2'' 10 C	80	double bent (short; R=65 mm)	
72408C	2752	376	Enasa/ Iveco Pegaso	19	180							14	0	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	
72416C	4032	590	Kässbohrer	37	250	180	150	120				14	0	+20	A36x40 DIN 5481	110	bent	
72417C	2760	592	Foden	10	165							12.7	-38	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72418C
72419C	2752	597	Sicca/ Bredamenar-inibus	8	180							12.7	0	0	32 UNI 222	155	double bent (short; R=65 mm)	
72420C	2771	594	Leyland	10	140							12.7	+16	+22.5	SAE 1 1/2'' 10 C	120	bent	72421C
72421C	2772	594	Leyland	10	140							12.7	-16	+22.5	SAE 1 1/2'' 10 C	120	bent	72420C
72422C	2922	595	Leyland	10	165							12.7	0	+26	SAE 1 1/2'' 10 C	110	bent	
72426C	2771	404	Kässbohrer	28	140							12.7	+16	+22.5	SAE 1 1/2'' 28 C	90	bent	72427C
72428C	4085	385	Sisu	10	145							14	0	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	
72429C	4085	386	Sisu	10	145							14	0	0	SAE 1 1/2'' 10 C	115	double bent (short; R=65 mm)	
72430C	2761	908	Steyr	28	152							12.7	+38	0	SAE 1 1/2'' 28 C	30	bent	72431C
72431C	2760	908	Steyr	28	152							12.7	-38	0	SAE 1 1/2'' 28 C	30	bent	72430C
72439C	2771	485	Leyland	10	155							12.7	+16	+22.5	SAE 1 1/2'' 10 C	145	bent	72440C
72440C	2772	485	Leyland	10	155							12.7	-16	+22.5	SAE 1 1/2'' 10 C	145	bent	72439C
72441C	2922	486	Leyland	10	165							12.7	0	+26	SAE 1 1/2'' 10 C	25	bent	
72446C	3068	597	Iveco Pegaso	19	185							14	-28.5	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	72447C
72447C	3069	597	Iveco Pegaso	19	180							14	+28.5	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	72446C
72448C	2752	401	BPW	10	210	180	150	120				14	0	0	SAE 1 1/2'' 10 C	110	bent	
72452C	3195	911	MCW	10	115							12.7	-15	-24	SAE 1 1/2'' 10 C	40	bent	72453C
72453C	3196	911	MCW	10	115							12.7	+15	-24	SAE 1 1/2'' 10 C	40	bent	72452C
72454C	4104	298		10	115							12.7	0	0	SAE 1 1/2'' 10 C	130	bent	
72455	3163	768	MAN	26	130							14	-18	+34	N42x1.5x12H DIN 5480	103	double bent (short; R=65 mm)	72456
72459C	2753	900	Van Hool	19	160							14	-22	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	72460C
72460C	2754	900	Van Hool	19	160							14	+22	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	72459C


72403C

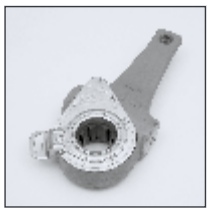

72404C

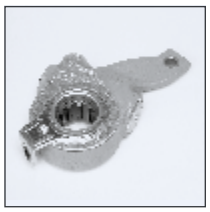

72406C


72407C


72408C


72416C


72419C


72420C


72421C


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72428C


72429C


72430C


72431C


72439C


72440C


72441C


72447C


72448C


72452C


72453C


72459C


72460C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72461C	2753	373	Van Hool	19	150							14	-22	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	72462C
72462C	2754	373	Van Hool	19	150							14	+22	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	72461C
72509C	3071	564	MAN	26	215							14	+45	+10	N42x1.5x12H DIN 5480	100	double bent (short; R=65 mm)	72508C
72517C	2752	284	Volvo	10	145							12.7	0	0	SAE 1 1/2'' 10 C	30	bent	
72521C	3185	507	Sisu	10	145							14	-56	+4	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	72522C
72522C	3186	507	Sisu	10	145							14	+56	+4	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	72521C
72523C	2760	558	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72524C
72524C	2761	558	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72523C
72525C	2760	555	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72526C
72526C	2761	555	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72525C
72527C	3186	556	DAF	26	143							14	+56	+4	N42x1.5x12H DIN 5480	83	double bent (short; R=65 mm)	72528C
72529C	2752	557	DAF	26	140							without	0	0	N42x1.5x12H DIN 5480	0	double bent (short; R=65 mm)	
72530C	3226	555	DAF	10	140							14	0	-38	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	
72531C	2752	559	DAF	10	140							without	0	0	SAE 1 1/2'' 10 C	15	double bent (short; R=65 mm)	
72532C	2760	558	DAF	10	165							14	-38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72533C
72533C	2761	558	DAF	10	165							14	+38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72532C
72534C	4104	555	DAF	10	140							14	0	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	
72535C	3226	558	DAF	10	140							14	0	-38	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	
72536C	2987	557	DAF	10	140							14	+38	-34	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72537C
72537C	2985	557	DAF	10	140							14	-38	-34	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72536C
72538C	4042	560	DAF	10	165							14	-45	-30	SAE 1 1/2'' 10 C	40	double bent (short; R=65 mm)	72539C
72539C	4043	560	DAF	10	165							14	+45	-30	SAE 1 1/2'' 10 C	40	double bent (short; R=65 mm)	72538C
72540C	3226	555	DAF	10	165							14	0	-38	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	
72541C	3226	557	DAF	10	165							14	0	-38	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	


72461C


72462C


72509C


72517C


72521C


72522C


72523C


72524C


72525C


72526C


72527C


72529C


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72538C


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72540C

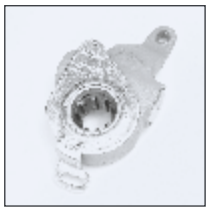

72541C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72542C	2987	557	DAF	10	165							14	+38	-34	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72543C
72543C	2985	557	DAF	10	165							14	-38	-34	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72542C
72544C	3185	556	DAF	10	143							14	-56	+4	SAE 1 1/2'' 10 C	83	double bent (short; R=65 mm)	72545C
72545C	3186	556	DAF	10	143							14	+56	+4	SAE 1 1/2'' 10 C	83	double bent (short; R=65 mm)	72544C
72546C	2752	557	DAF	10	140							without	0	0	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	
72547C	3226	560	DAF	10	165							14	0	-38	SAE 1 1/2'' 10 C	40	double bent (short; R=65 mm)	
72548C	3865	561	DAF	10	140							14	0	+132.5	SAE 1 1/2'' 10 C	120	double bent (short; R=65 mm)	
72553C	4085	557	DAF	10	165							without	0	0	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	
72558C	3226	364	DAF	10	140							14	0	-38	SAE 1 1/2'' 10 C	180	double bent (long; R=100 mm)	
72559C	2895	145	Leyland	10	152							12.7	-47.6	+22.5	SAE 1 1/2'' 10 C	130	bent	72560C
72560C	2894	145	Leyland	10	152							12.7	+47.6	+22.5	SAE 1 1/2'' 10 C	130	bent	72559C
72563C	2752	443	Leyland	10	180							12.7	0	0	SAE 1 1/2'' 10 C	0	bent	
72566C	2901	580	Liaz	26	200							14	+60.3	+22.5	40x1.5 CSN 014950.1	113	double bent (short; R=65 mm)	72567C
72567C	2902	580	Liaz	26	200							14	-60.3	+22.5	40x1.5 CSN 014950.1	113	double bent (short; R=65 mm)	72566C
72568C	4085	262	Foden	10	165							12.7	0	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	
72570C	2752	298	Ajona	10	150							14	0	0	SAE 1 1/2'' 10 C	130	bent	
72581C	4086	570	SAF	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72583C	2901	508	Temsa	25	145							14	+60.3	+22.5	JIS B 1602	144	double bent (medium; R=78 mm)	72584C
72584C	2902	508	Temsa	25	145							14	-60.3	+22.5	JIS B 1602	144	double bent (medium; R=78 mm)	72583C
72585C	3226	509	Temsa	25	135							14	0	-38	JIS B 1602	28	double bent (medium; R=78 mm)	
72586C	2760	571	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	0	double bent (medium; R=78 mm)	72587C
72587C	2761	571	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	0	double bent (medium; R=78 mm)	72586C
72588C	4085	969	Leyland	10	152							12.7	0	0	SAE 1 1/2'' 10 C	320	double bent (long; R=100 mm)	
72591C	2760	485	Kässbohrer	19	150							14	-38	0	A38x34 DIN 5482	145	bent	72592C


72542C

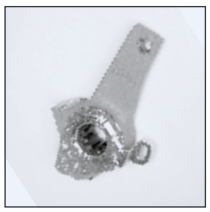

72543C


72544C

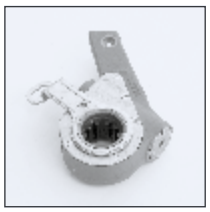

72545C


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72553C


72558C


72559C


72560C


72563C

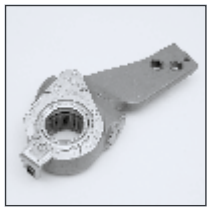

72566C


72567C


72568C


72570C


72581C


72583C


72584C


72585C


72586C


72587C


72588C


72591C

BRAKE ADJUSTERS

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72592C	2761	485	Kässbohrer	19	150							14	+38	0	A38x34 DIN 5482	145	bent	72591C
72593C	4019	881	Daimler	26	145							14	+37	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72594C
72594C	4018	881	Daimler	26	145							14	-37	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72593C
72596C	3900	885	Daimler	26	145							14	0	+37	N42x1.5x12H DIN 5480	127	double bent (short; R=65 mm)	
72597C	4068	801	Daimler	26	145							14	+50	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72598C
72598C	4069	801	Daimler	26	145							14	-50	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	72597C
72599C	4104	412	Renault	33	140							14	0	0	PITCH 24/48	90	bent	
72600C	4085	359	Renault	33	150							14	0	0	PITCH 24/48	100	bent	
72603C	4005	359	Renault	33	140							14	-60	+34.5	PITCH 24/48	100	bent	72602C
72604C	2894	359	Renault	33	140							14	+47.6	+22.5	PITCH 24/48	100	bent	72605C
72608C	2765	555	DAF	10	140							14	-12.7	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72609C
72609C	2766	555	DAF	10	140							14	+12.7	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72608C
72614C	4032	855	Raba	20	250	225	200	175	150			14	0	+20	A40x36 DIN 5482	70	double bent (short; R=65 mm)	
72616C	3878	802	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	123	double bent (short; R=65 mm)	72617C
72617C	3879	802	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	123	double bent (short; R=65 mm)	72616C
72618C	3068	709	Pegaso	19	140							14	-28.5	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	72619C
72619C	3069	709	Pegaso	19	140							14	+28.5	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	72618C
72622C	3226	230	Scania	10	165							16	0	-38	SAE 1 1/2'' 10 C	308	double bent (long; R=100 mm)	
72634C	2760	236	Renault	27	175							14	-38	0	BNA 227, ø35.0	125	double bent (short; R=65 mm)	72633C
72641C	4085	572	ZF/ Iveco Bus 490/Bredame-narinibus	19	152							14	0	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	
72643C	4104	469	Steyr	10	140							12.7	0	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	
72644C	4104	365	Dennis	10	140							12.7	0	0	SAE 1 1/2'' 10 C	340	double bent (medium; R=78 mm)	


72592C


72593C


72594C


72596C


72597C


72598C


72599C


72603C


72604C


72608C


72609C


72614C


72616C


72617C


72618C


72641C


72643C


72644C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72645C	4076	511	SAF/BPW	10	250	180	150	130	110			14 (L1: without)	0	+20	SAE 1 1/2'' 10 C	45	bent	
72646C	3068	373	Van Hool	19	150							14	-28.5	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	72647C
72647C	3069	373	Van Hool	19	150							14	+28.5	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	72646C
72654C	3891	230	Scania	10	165	140						16	0	0	SAE 1 1/2'' 10 C	308	double bent (long; R=100 mm)	
72655C	2894	754	Scania	10	151							12.7	+47.6	+22.5	SAE 1 1/2'' 10 C	76	double bent (short; R=65 mm)	72656C
72656C	2895	754	Scania	10	151							12.7	-47.6	+22.5	SAE 1 1/2'' 10 C	76	double bent (short; R=65 mm)	72655C
72657C	2901	756	Scania	10	151							12.7	+60.3	+22.5	SAE 1 1/2'' 10 C	98	double bent (short; R=65 mm)	72658C
72658C	2902	756	Scania	10	151							12.7	-60.3	+22.5	SAE 1 1/2'' 10 C	98	double bent (short; R=65 mm)	72657C
72662C	3226	230	Scania	10	165							16	0	-38	SAE 1 1/2'' 10 C	308	double bent (long; R=100 mm)	
72663C	3705	229	Scania	10	165							16	+50	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	72664C
72664C	3704	229	Scania	10	165							16	-50	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	72663C
72665C	3704	232	Scania	10	165							16	-50	0	SAE 1 1/2'' 10 C	58	double bent (short; R=65 mm)	72666C
72666C	3705	232	Scania	10	165							16	+50	0	SAE 1 1/2'' 10 C	58	double bent (short; R=65 mm)	72665C
72667C	4104	966	Volvo	10	140							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
72668C	2987	444	Volvo	10	151							12.7	+38	-34	SAE 1 1/2'' 10 C	0	bent	72669C
72669C	2985	444	Volvo	10	151							12.7	-38	-34	SAE 1 1/2'' 10 C	0	bent	72668C
72670C	2987	444	Volvo	10	165							12.7	+38	-34	SAE 1 1/2'' 10 C	0	bent	72671C
72671C	2985	444	Volvo	10	165							12.7	-38	-34	SAE 1 1/2'' 10 C	0	bent	72670C
72672C	2766	402	Volvo	10	140							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	72673C
72673C	2765	402	Volvo	10	140							12.7	-12.7	0	SAE 1 1/2'' 10 C	90	bent	72672C
72674C	2754	402	Volvo	10	140							12.7	+22	0	SAE 1 1/2'' 10 C	90	bent	72675C
72675C	2753	402	Volvo	10	140							12.7	-22	0	SAE 1 1/2'' 10 C	90	bent	72674C
72676C	4085	983	Volvo	10	152							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
72677C	4104	983	Volvo	10	140							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	


72645C


72646C


72647C


72654C


72655C


72656C


72657C


72658C


72662C


72663C


72664C


72665C


72666C


72667C


72668C


72669C


72670C


72671C


72672C


72673C


72674C


72675C


72676C


72677C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72678C	4104	472	Volvo	10	140							12.7	0	0	SAE 1 1/2'' 10 C	171.5	double bent (long; R=100 mm)	
72679C	2987	608	DAF	10	140							14	+38	-34	SAE 1 1/2'' 10 C	34	double bent (short; R=65 mm)	72680C
72680C	2985	608	DAF	10	140							14	-38	-34	SAE 1 1/2'' 10 C	34	double bent (short; R=65 mm)	72679C
72688C	3878	475	ZF	19	145							14	+56	+15	A38x34 DIN 5482	100	double bent (short; R=65 mm)	72689C
72689C	3879	475	ZF	19	145							14	-56	+15	A38x34 DIN 5482	100	double bent (short; R=65 mm)	72688C
72695C	3185	189	DAF	10	143							14	-56	+4	SAE 1 1/2'' 10 C	37	double bent (short; R=65 mm)	72696C
72696C	3186	189	DAF	10	143							14	+56	+4	SAE 1 1/2'' 10 C	37	double bent (short; R=65 mm)	72695C
72698C	2752	926	Nishiuimi	19	150							12.7	0	0	A38x34 DIN 5482	70	bent	
72702C	4076	632	SAF	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	130	bent	
72703C	4076	633	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	50	bent	
72704C	4077	555	DAF	10	145							14	+60	-10	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72705C
72705C	4078	555	DAF	10	145							14	-60	-10	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72704C
72709C	2752	597	Pegaso	19	180							14	0	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	
72710C	2752	692	SAF	10	210	180	150	125				14	0	0	SAE 1 1/2'' 10 C	45	double bent (short; R=65 mm)	
72713C	2766	447	Volvo	10	127							12.7	+12.7	0	SAE 1 1/2'' 10 C	5	bent	72714C
72714C	2765	447	Volvo	10	127							12.7	-12.7	0	SAE 1 1/2'' 10 C	5	bent	72713C
72715C	2753	920	Volvo	10	133							12.7	-22	0	SAE 1 1/2'' 10 C	60	bent	72716C
72716C	2754	920	Volvo	10	133							12.7	+22	0	SAE 1 1/2'' 10 C	60	bent	72715C
72717C	2766	402	Volvo	10	127							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	72718C
72718C	2765	402	Volvo	10	127							12.7	-12.7	0	SAE 1 1/2'' 10 C	90	bent	72717C
72719C	2754	419	Volvo	10	159							12.7	+22	0	SAE 1 1/2'' 10 C	110	bent	72720C
72720C	2753	419	Volvo	10	159							12.7	-22	0	SAE 1 1/2'' 10 C	110	bent	72719C
72721C	2766	921	Volvo	10	159							12.7	+12.7	0	SAE 1 1/2'' 10 C	60	bent	72722C
72722C	2765	921	Volvo	10	159							12.7	-12.7	0	SAE 1 1/2'' 10 C	60	bent	72721C
72723C	3861	448	Volvo	10	134							12.7	+15	-24	SAE 1 1/2'' 10 C	5	bent	72724C


72678C


72679C


72680C


72688C


72689C

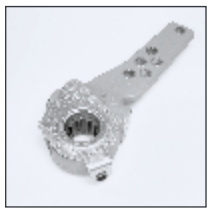

72695C


72696C


70976C


72698C


72702C


72703C


72704C


72705C


72713C


72714C


72715C


72716C


72717C


72718C


72719C


72720C


72721C


72722C


72723C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72724C	3860	448	Volvo	10	134							12.7	-15	-24	SAE 1 1/2'' 10 C	5	bent	72723C
72725C	4104	402	Volvo	10	127							12.7	0	0	SAE 1 1/2'' 10 C	90	bent	
72726C	4085	472	Volvo	10	152							12.7	0	0	SAE 1 1/2'' 10 C	171.5	double bent (long; R=100 mm)	
72727C	2771	390	Scania	10	130							16	+16	+22.5	SAE 1 1/2'' 10 C	92	double bent (short; R=65 mm)	72728C
72728C	2772	390	Scania	10	130							16	-16	+22.5	SAE 1 1/2'' 10 C	92	double bent (short; R=65 mm)	72727C
72729C	3884	499	Scania	10	130							16	+35	0	SAE 1 1/2'' 10 C	62	double bent (short; R=65 mm)	72730C
72730C	3883	499	Scania	10	130							16	-35	0	SAE 1 1/2'' 10 C	62	double bent (short; R=65 mm)	72729C
72733C	4032	611	Gorica	8	250	180	155	125				14	0	+20	32 UNI 222	105	bent	
72744C	2987	453	Scania	10	165							16	+38	-34	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	72745C
72745C	2985	453	Scania	10	165							16	-38	-34	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	72744C
72746C	2772	758	Scania	10	130							12.7	-16	+22.5	SAE 1 1/2'' 10 C	102	double bent (short; R=65 mm)	72747C
72747C	2771	758	Scania	10	130							12.7	+16	+22.5	SAE 1 1/2'' 10 C	102	double bent (short; R=65 mm)	72746C
72751C	2901	966	SAE	10	180	150						14	+60.3	+22.5	SAE 1 1/2'' 10 C	150	bent	72752C
72752C	2902	966	SAE	10	180	150						14	-60.3	+22.5	SAE 1 1/2'' 10 C	150	bent	72751C
72758C	4076	807	Kässbohrer	37	250	180	165	150	135	120		14 (L1: without)	0	+20	A36x40 DIN 5481	110	bent	
72760C	2753	378	Tatra	36	140							14	-22	0	A30x34 DIN 5481	115	double bent (short; R=65 mm)	72759C
72761C	2985	608	DAB	19	140							14	-38	-34	A38x34 DIN 5482	34	double bent (short; R=65 mm)	72762C
72762C	2987	608	DAB	19	140							14	+38	-34	A38x34 DIN 5482	34	double bent (short; R=65 mm)	72761C
72763C	4076	422	SAF	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	110	bent	
72768C	4085	784		25	150							16	0	0	JIS B 1602	40	double bent (short; R=65 mm)	
72769C	2752	412		28	140							12.7	0	0	SAE 1 7/16'' 28 C	90	bent	
72782C	3861	448	Volvo	10	145							12.7	+15	-24	SAE 1 1/2'' 10 C	5	bent	72783C
72783C	3860	448	Volvo	10	145							12.7	-15	-24	SAE 1 1/2'' 10 C	5	bent	72782C
72784C	4039	448	Volvo	10	165							12.7	+15	-24	SAE 1 1/2'' 10 C	5	bent	72785C
72785C	4038	448	Volvo	10	165							12.7	-15	-24	SAE 1 1/2'' 10 C	5	bent	72784C
72788D	4097	808	ROR	10	205	153	140	127	115			14	0	+20	SAE 1 1/2'' 10 C	60	saddle type	


72724C


72725C


72726C


72727C


72728C


72729C


72730C


72733C


72744C


72745C


72746C


72747C


72751C


72752C


72758C


72760C


72763C


72768C


72769C


72782C


72783C


72784C


72785C


72788D

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72788S	4097	808	ROR	10	205	153	140	127	115			14	0	+20	SAE 1 1/2'' 10 C	60	saddle type	
72789C	4086	74970	ITAZ	37	215	181	153	129	105			14	0	20	A36x40 DIN 5481	50	L=60	
72791C	2754	921		10	159							12.7	+22	0	SAE 1 1/2'' 10 C	60	bent	72792C
72792C	2753	921		10	159							12.7	-22	0	SAE 1 1/2'' 10 C	60	bent	72791C
72794C	4077	555	DAF	10	165							14	+60	-10	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72795C
72795C	4078	555	DAF	10	165							14	-60	-10	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	72794C
72802C	3068	710	Iveco Pegaso	19	160							14	-28.5	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	72803C
72803C	3069	710	Iveco Pegaso	19	160							14	+28.5	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	72802C
72804C	4085	709	Iveco Pegaso	19	160							14	0	0	A38x34 DIN 5482	24	double bent (short; R=65 mm)	
72805C	2761	907		10	152							12.7	+38	0	SAE 1 1/2'' 10 C	30	bent	72806C
72806C	2760	907		10	152							12.7	-38	0	SAE 1 1/2'' 10 C	30	bent	72805C
72809C	3163	768	Daimler	26	130							14	-18	+34	N42x1.5x12H DIN 5480	103	double bent (short; R=65 mm)	72810C
72810C	3162	768	Daimler	26	130							14	+18	+34	N42x1.5x12H DIN 5480	103	double bent (short; R=65 mm)	72809C
72811C	3163	512	Daimler	26	130							14	-18	+34	N42x1.5x12H DIN 5480	53	double bent (short; R=65 mm)	72812C
72812C	3162	512	Daimler	26	130							14	+18	+34	N42x1.5x12H DIN 5480	53	double bent (short; R=65 mm)	72811C
72815C	2760	427	DAF	10	140							14	-38	0	SAE 1 1/2'' 10 C	75	bent	72816C
72816C	2761	427	DAF	10	140							14	+38	0	SAE 1 1/2'' 10 C	75	bent	72815C
72825C	4040	235	Scania	10	165							16	+50	+22	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	72826C
72826C	4041	235	Scania	10	165							16	-50	+22	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	72825C
72827C	3226	718	SAF	10	178	152	127					14 (L1: without)	0	-38	SAE 1 1/2'' 10 C	352	double bent (medium; R=78 mm)	
72828C	4085	710	Iveco Pegaso	19	160							14	0	0	A38x34 DIN 5482	155	double bent (short; R=65 mm)	
72833C	3068	558	DAF	10	165							14	-28.5	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72834C
72834C	3069	558	DAF	10	165							14	+28.5	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	72833C
72837C	3226	374	SAE	10	178	153						14	0	-38	SAE 1 1/2'' 10 C	63	double bent (short; R=65 mm)	
72853C	4097	720	Ikarus	20	175	155						14	0	+20	A40x36 DIN 5482	95	bent	
72855C	3892	684	ZF	19	145							14	-56	-5	A38x34 DIN 5482	7	double bent (short; R=65 mm)	72854C
72856C	2901	723	Daewoo	25	150							16	+60.3	+22.5	JIS B 1602	130	double bent (short; R=65 mm)	72857C
72857C	2902	723	Daewoo	25	150							16	-60.3	+22.5	JIS B 1602	130	double bent (short; R=65 mm)	72856C
72858C	4085	784	Daewoo	25	150							16	0	0	JIS B 1602	40	double bent (short; R=65 mm)	


72788S


72802C


72804C


72809C


72810C


72811C


72812C


72815C


72816C


72825C


72826C


72828C


72833C

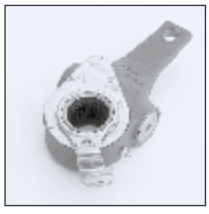

72834C


72837C


72855C


72856C

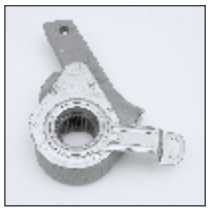

72857C


72858C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72861C	4076	970	Stadtwerke Lausanne	36	250	180	165	150	135	120		14	0	+20	A30x34 DIN 5481	50	bent	
72862C	3226	725	Ruthmann	10	178	152	127					14	0	-38	SAE 1 1/2'' 10 C	302	double bent (long; R=100 mm)	
72864C	3226	731	Foden	28	140							12.7	0	-38	SAE 1 1/2'' 28 C	340	double bent (long; R=100 mm)	
72867C	2901	620	Liaz	26	160							14	+60.3	+22.5	40x1.5 CSN 014950.1	142	double bent (short; R=65 mm)	72868C
72868C	2902	620	Liaz	26	160							14	-60.3	+22.5	40x1.5 CSN 014950.1	142	double bent (short; R=65 mm)	72867C
72869C	2901	614	SAE	10	180	150						14	+60.3	+22.5	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72870C
72870C	2902	614	SAE	10	180	150						14	-60.3	+22.5	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	72869C
72871C	4076	570	Babelsberger	8	250	220	200	170				14	0	+20	32 UNI 222	130	bent	
72872C	3900	474	ZF	19	145							14	0	+37	A38x34 DIN 5482	103	double bent (short; R=65 mm)	
72875D	4076	616	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	50	saddle type	
72875S	4076	616	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	50	saddle type	
72876D	4076	617	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	110	saddle type	
72876S	4076	617	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	110	saddle type	
72879C	3863	412	BPW	10	178	152	127					14	-25	-30	SAE 1 1/2'' 10 C	90	bent	
72880C	3864	412	BPW	10	178	152	127					14	+25	-30	SAE 1 1/2'' 10 C	90	bent	
72881C	3863	412	BPW	10	165	135						14	-25	-30	SAE 1 1/2'' 10 C	90	bent	72882C
72882C	3864	412	BPW	10	165	135						14	+25	-30	SAE 1 1/2'' 10 C	90	bent	72881C
72883C	4076	460	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	150	bent	
72884C	3068	891	BPW	10	198	173	148					14	-28.5	0	SAE 1 1/2'' 10 C	188	double bent (long; R=100 mm)	72885C
72885C	3069	891	BPW	10	198	173	148					14	+28.5	0	SAE 1 1/2'' 10 C	188	double bent (long; R=100 mm)	72884C
72886C	4077	618	DAF	10	145							14	+60	-10	SAE 1 1/2'' 10 C	145	double bent (medium; R=78 mm)	72887C
72887C	4078	618	DAF	10	145							14	-60	-10	SAE 1 1/2'' 10 C	145	double bent (medium; R=78 mm)	72886C
72888C	4032	855	Panav	20	250	225	200	175	150			14	0	+20	A40x36 DIN 5482	70	double bent (short; R=65 mm)	
72892C	4051	505	Scania	10	130							16	+50	0	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	72893C
72893C	4050	505	Scania	10	130							16	-50	0	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	72892C


72861C


72862C


72864C


72867C


72868C


72869C


72871C


72872C


72875D


72875S


72876D

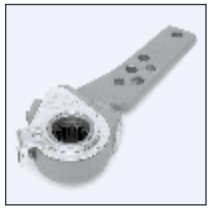

72876S


72879C


72880C


72881C


72882C


72883C


72884C


72885C


72886C


72887C


72888C


72892C


72893C

BRAKE ADJUSTERS

Automatic brake adjusters AA1

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72894C	3884	760	Scania	10	130							16	+35	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	72895C
72895C	3883	760	Scania	10	130							16	-35	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	72894C
72896C	4104	619	Star	18	102							14	0	0	N30x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	
72902C	2766	404	Volvo	10	140							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	72901C
72903C	4085	907	Volvo	10	152							16	0	0	SAE 1 1/2'' 10 C	30	bent	
72904C	2761	907	Volvo	10	165							12.7	+38	0	SAE 1 1/2'' 10 C	30	bent	72914C
72905C	2752	404	Volvo	10	127							12.7	0	0	SAE 1 1/2'' 10 C	90	bent	
72906C	2766	402	Volvo	10	140							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	72907C
72908C	4085	958	Volvo	10	152							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
72909C	4085	908	Volvo	10	165							16	0	0	SAE 1 1/2'' 10 C	30	bent	
72910C	4104	453	Scania	10	130							16	0	0	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	
72913C	4085	907	Volvo	10	165							16	0	0	SAE 1 1/2'' 10 C	30	bent	
72914C	2760	907	Volvo	10	165							12.7	-38	0	SAE 1 1/2'' 10 C	30	bent	72904C
72915C	2766	412	Volvo	10	140							12.7	+12.7	0	SAE 1 1/2'' 10 C	90	bent	72916C
72916C	2765	412	Volvo	10	140							12.7	-12.7	0	SAE 1 1/2'' 10 C	90	bent	72915C
72917C	2760	422	ROR	10	140							14	-38	0	SAE 1 1/2'' 10 C	110	bent	72918C
72918C	2761	422	ROR	10	140							14	+38	0	SAE 1 1/2'' 10 C	110	bent	72917C
72919C	3185	621	Daimler	26	145							14	-56	+4	N42x1.5x12H DIN 5480	30	double bent (short; R=65 mm)	72920C
72920C	3186	621	Daimler	26	145							14	+56	+4	N42x1.5x12H DIN 5480	30	double bent (short; R=65 mm)	72919C
72921C	4077	778	Van Hool	19	152							14	+60	-10	A38x34 DIN 5482	50	double bent (short; R=65 mm)	72922C
72922C	4078	778	Van Hool	19	152							14	-60	-10	A38x34 DIN 5482	50	double bent (short; R=65 mm)	72921C
72928C	4085	164	Raba	20	155	127						14	0	0	A40x36 DIN 5482	135	bent	
72929C	4040	628	ZF	19	152							14	+50	+22	A38x34 DIN 5482	142	double bent (short; R=65 mm)	72930C
72930C	3068	373	ZF	19	152							14	-28.5	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	72929C
72931C	4016	680	ZF	19	145							14	-63	-20	A38x34 DIN 5482	59	double bent (short; R=65 mm)	72932C


72894C


72895C


72896C


72902C


72903C


72904C


72905C


72906C


72908C


72909C


72910C


72914C


72915C

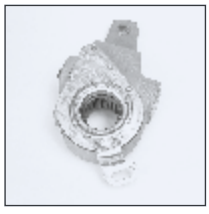

72916C


72917C


72918C


72919C


72920C


72921C


72922C


72928C


72929C


72930C


72931C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
72932C	4017	680	ZF	19	145							14	+63	-20	A38x34 DIN 5482	59	double bent (short; R=65 mm)	72931C
72937C	3185	787	Foden/Sisu	26	145							14	-56	+4	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	72938C
72938C	3186	787	Foden/Sisu	26	145							14	+56	+4	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	72937C
72939C	4086	963	Foden	28	127							12.7	0	+20	SAE 1 1/2'' 28 C	355	bent	
72942C	2754	921		10	140							12.7	+22	0	SAE 1 1/2'' 10 C	60	bent	72943C
72943C	2753	921		10	140							12.7	-22	0	SAE 1 1/2'' 10 C	60	bent	72942C
72944C	4085	966	Volvo	10	152							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
72945C	3068	412	BPW	10	198	173	148					14	-28.5	0	SAE 1 1/2'' 10 C	90	bent	72946C
72946C	3069	412	BPW	10	198	173	148					14	+28.5	0	SAE 1 1/2'' 10 C	90	bent	72945C
72948D	4032	635	SAF	10	250	210	180	150	125			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
72948S	4032	635	SAF	10	250	210	180	150	125			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
72949C	3662	455	Scania	10	165							16	+25	-42	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	72950C
72950C	3663	455	Scania	10	165							16	-25	-42	SAE 1 1/2'' 10 C	310	double bent (long; R=100 mm)	72949C
72951C	3705	760	Scania	10	165							16	+50	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	72952C
72954C	3704	761	Scania	10	165							16	-50	0	SAE 1 1/2'' 10 C	58	double bent (short; R=65 mm)	72955C
72955C	3705	761	Scania	10	165							16	+50	0	SAE 1 1/2'' 10 C	58	double bent (short; R=65 mm)	72954C
72956C	2772	758	Scania	10	130							16	-16	+22.5	SAE 1 1/2'' 10 C	102	double bent (short; R=65 mm)	72957C
72958C	4040	367	Scania	10	165							16	+50	+22	SAE 1 1/2'' 10 C	80	double bent (short; R=65 mm)	72959C
72959C	4041	367	Scania	10	165							16	-50	+22	SAE 1 1/2'' 10 C	80	double bent (short; R=65 mm)	72958C
72962C	4085	453	Scania	10	165							16	0	0	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	
72963C	3226	453	Scania	10	165							16	0	-38	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	
72999C	4097	632	Norwegian Defense	10	155	141	125	106				14	0	+20	SAE 1 1/2'' 10 C	130	bent	
79002C	3185	736	Sisu	26	145							14	-56	+4	N42x1.5x12H DIN 5480	355	double bent (short; R=65 mm)	79003C
79003C	3186	736	Sisu	26	145							14	+56	+4	N42x1.5x12H DIN 5480	355	double bent (short; R=65 mm)	79002C
79004D	4086	635	SMB	10	215	153	129	105				14 (L1: 16)	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79004S	4086	635	SMB	10	215	153	129	105				14 (L1: 16)	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79005D	4076	635	SAF	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	


72932C


72937C


72938C


72939C


72944C


72945C


72946C


72948D


72948S


72949C


72950C


72951C


72954C


72955C


72956C


72958C


72959C


72962C


72963C


79002C


79003C


79004D


79004S


79005D

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79005S	4076	635	SAF	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79006C	4086	635	SAF	10	153	129	105					14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79007C	4008	981	Renault	27	175							14	+38	+30	BNA 227, ø35.0	155	bent	79008C
79008C	4009	981	Renault	27	175							14	-38	+30	BNA 227, ø35.0	155	bent	79007C
79009C	4008	389	Renault	27	175							14	+38	+30	BNA 227, ø35.0	155	bent	79010C
79010C	4009	389	Renault	27	175							14	-38	+30	BNA 227, ø35.0	155	bent	79009C
79011C	2752	899	Renault	27	150							14	0	0	BNA 227, ø35.0	15	double bent (short; R=65 mm)	
79012C	4104	900	Renault	27	140							14	0	0	BNA 227, ø35.0	0	double bent (short; R=65 mm)	
79013C	4008	374	Renault	27	175							14	+38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79014C
79014C	4009	374	Renault	27	175							14	-38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79013C
79015C	4008	992	Renault	27	175							14	+38	+30	BNA 227, ø35.0	155	double bent (short; R=65 mm)	79016C
79016C	4009	992	Renault	27	175							14	-38	+30	BNA 227, ø35.0	155	double bent (short; R=65 mm)	79015C
79017C	2761	372	Renault	27	175							14	+38	0	BNA 227, ø35.0	10	double bent (short; R=65 mm)	79018C
79018C	2760	372	Renault	27	175							14	-38	0	BNA 227, ø35.0	10	double bent (short; R=65 mm)	79017C
79019C	4104	573	Renault	27	140							14	0	0	BNA 227, ø35.0	350	double bent (short; R=65 mm)	
79020C	4008	579	Renault	27	175							14	+38	+30	BNA 227, ø35.0	90	double bent (short; R=65 mm)	79021C
79021C	4009	579	Renault	27	175							14	-38	+30	BNA 227, ø35.0	90	double bent (short; R=65 mm)	79020C
79022D	4086	635	Fruehauf	37	215	153	129	105				14 (L1: 16)	0	+20	SAE J 498	130	saddle type	
79022S	4086	635	Fruehauf	37	215	153	129	105				14 (L1: 16)	0	+20	SAE J 498	130	saddle type	
79023D	4086	635	Trailor	10	210	180	150	125				14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79023S	4086	635	Trailor	10	210	180	150	125				14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79024C	4070	735	DAF	10	165							14	+11.5	-38	SAE 1 1/2'' 10 C	335	double bent (medium; R=78 mm)	79025C
79025C	4071	735	DAF	10	165							14	-11.5	-38	SAE 1 1/2'' 10 C	335	double bent (medium; R=78 mm)	79024C
79028C	2760	737	Stefen	10	203	179	151					14	-38	0	SAE 1 1/2'' 10 C	145	double bent (short; R=65 mm)	79029C


79005S


79006C


79007C


79008C


79009C


79010C


79011C


79012C


79013C


79015C


79016C


79017C


79018C


79019C


79020C


79021C


79022D


79022S


79023D


79023S


79024C


79025C


79028C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79029C	2761	737	Stefen	10	203	179	151					14	+38	0	SAE 1 1/2'' 10 C	145	double bent (short; R=65 mm)	79028C
79030C	3068	412	Battaglino	10	180	150						14	-28.5	0	SAE 1 1/2'' 10 C	90	bent	79031C
79031C	3069	412	Battaglino	10	180	150						14	+28.5	0	SAE 1 1/2'' 10 C	90	bent	79030C
79035D	4086	635	SAF	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79035S	4086	635	SAF	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79038C	2765	803	SAF	10	178	152	127					14	-12.7	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79039C
79039C	2766	803	SAF	10	178	152	127					14	+12.7	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79038C
79040C	2760	953	Kässbohrer	19	175							14	-38	0	A38x34 DIN 5482	140	bent	79041C
79041C	2761	953	Kässbohrer	19	175							14	+38	0	A38x34 DIN 5482	140	bent	79040C
79043C	2760	803	SAF	10	179	152						14	-38	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79044C
79044C	2761	803	SAF	10	179	152						14	+38	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79043C
79051C	4086	737	ROR	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	145	double bent (short; R=65 mm)	
79053C	4088	570	SAF	10	152	127						14	+45	0	SAE 1 1/2'' 10 C	130	bent	79052C
79055C	3069	426		10	180	150						14	+28.5	0	SAE 1 1/2'' 10 C	130	bent	79054C
79056C	2752	410	Raba	20	175							14	0	0	A40x36 DIN 5482	75	bent	
79057C	2753	746	Karosa	26	170							14	-22	0	40x1.5 CSN 014950.1	25	bent	79058C
79058C	2754	746	Karosa	26	170							14	+22	0	40x1.5 CSN 014950.1	25	bent	79057C
79059C	4081	624	Karosa	26	240							14	-15.6	+7	40x1.5 CSN 014950.1	0	double bent (short; R=65 mm)	79060C
79060C	4082	624	Karosa	26	240							14	+15.6	+7	40x1.5 CSN 014950.1	0	double bent (short; R=65 mm)	79059C
79062C	4104	990	Dennis	10	140	115						12.7	0	0	SAE 1 1/2'' 10 C	65	bent	
79063C	2754	374	Graziano	19	150							14	+22	0	A38x34 DIN 5482	63	double bent (short; R=65 mm)	79064C
79064C	2753	374	Graziano	19	150							14	-22	0	A38x34 DIN 5482	63	double bent (short; R=65 mm)	79063C
79067C	4032	571	Reynolds	10	203	127						14	0	+20	SAE 1 1/2'' 10 C	0	double bent (medium; R=78 mm)	
79068C	3068	385	Sisu	10	145							14	-28.5	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	79069C
79069C	3069	385	Sisu	10	145							14	+28.5	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	79068C
79074C	3879	521	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	16	double bent (short; R=65 mm)	79073C
79079C	3226	813	Raba	20	175							14	0	-38	A40x36 DIN 5482	41	bent	


79029C


79030C


79031C


79035D


79035S


79038C


79039C

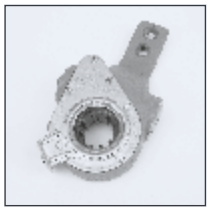

79040C


79041C


79043C


79044C

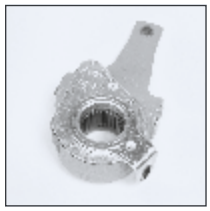

79051C


79053C


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79079C

BRAKE ADJUSTERS

Automatic brake adjusters AA1

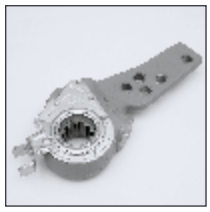
part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79086C	3884	803	SAF	10	130							14	+35	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79087C
79087C	3883	803	SAF	10	130							14	-35	0	SAE 1 1/2'' 10 C	144	double bent (short; R=65 mm)	79086C
79088C	3863	513		10	178	152	127					14	-25	-30	SAE 1 1/2'' 10 C	94	straight	79089C
79090C	2752	816	SAF	10	203	178	152	127				14	0	0	SAE 1 1/2'' 10 C	12	bent	
79091C	4097	635	Müller	10	200	145	126	115	101			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79092C	2752	362	Marshall	28	152							12.7	0	0	SAE 1 7/16'' 28 C	325	double bent (long; R=100 mm)	
79094C	2755	778	Van Hool	19	152							14	-16	0	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79095C
79095C	2756	778	Van Hool	19	152							14	+16	0	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79094C
79098C	2756	737	ROR	10	180	150	125					14	+16	0	SAE 1 1/2'' 10 C	145	double bent (short; R=65 mm)	79097C
79099C	3185	900	Daimler	26	145							14	-56	+4	N42x1.5x12H DIN 5480	0	double bent (short; R=65 mm)	79100C
79100C	3186	900	Daimler	26	145							14	+56	+4	N42x1.5x12H DIN 5480	0	double bent (short; R=65 mm)	79099C
79101C	4092	860	MAG/Nissan	25	167							12.7	+93.5	0	JIS B 1602	90	double bent (short; R=65 mm)	79102C
79102C	4093	860	MAG/Nissan	25	167							12.7	-93.5	0	JIS B 1602	90	double bent (short; R=65 mm)	79101C
79103C	4104	860	Nissan	25	125							12.7	0	0	JIS B 1602	90	double bent (short; R=65 mm)	
79105C	3049	878	Scania	10	165							16	-75	0	SAE 1 1/2'' 10 C	55	double bent (short; R=65 mm)	79106C
79106C	3050	878	Scania	10	165							16	+75	0	SAE 1 1/2'' 10 C	55	double bent (short; R=65 mm)	79105C
79107C	3185	412	Raba	20	145							14	-56	+4	A40x36 DIN 5482	90	bent	79108C
79108C	3186	412	Raba	20	145							14	+56	+4	A40x36 DIN 5482	90	bent	79107C
79109C	4076	808	ROR	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	60	saddle type	
79111C	4076	738	Cardi	8	250	180	165	150	135	120		14	0	+20	32 UNI 222	60	saddle type	
79112S	4076	738	Montenegro	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	60	saddle type	
79114C	4097	240	Müller	10	200	145	126	115	101			14	0	+20	SAE 1 1/2'' 10 C	318	double bent (long; R=100 mm)	
79121C	4085	702	Raba	20	145							14	0	0	A40x36 DIN 5482	82	bent	
79122C	2894	244	Iveco Cityclass	27	180							14	+47.6	+22.5	BNA 227	138	double bent (short; R=65 mm)	79123C
79123C	2895	248	Iveco Cityclass	27	180							14	-47.6	+22.5	BNA 227	66	double bent (short; R=65 mm)	79122C
79126C	3068	246	PPS	26	170							14	-28.5	0	40x1.5 CSN 014950.1	71	saddle type	79127C
79127C	3069	246	PPS	26	170							14	+28.5	0	40x1.5 CSN 014950.1	71	saddle type	79126C
79133C	4086	963	Foden	28	140							12.7	0	+20	SAE 1 1/2'' 28 C	355	bent	
79138C	2901	148	SAE	10	178	153						14	+60.3	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79139C


79086C


79087C


79088C


79090C


79091C

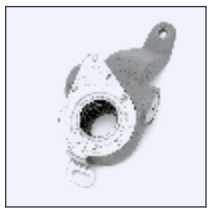

79094C


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79100C


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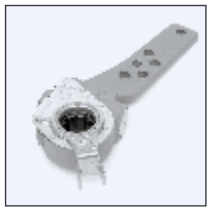

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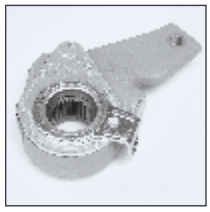

79111C


79112S


79121C


79126C


79127C


79133C


79138C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79139C	2902	148	SAE	10	178	153						14	-60.3	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79138C
79140C	2894	148	SAE	10	178	153						14	+47.6	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79141C
79141C	2895	148	SAE	10	178	153						14	-47.6	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79140C
79142C	2760	250	SAE	10	178	153						14	-38	0	SAE 1 1/2'' 10 C	127	double bent (short; R=65 mm)	79143C
79143C	2761	250	SAE	10	178	153						14	+38	0	SAE 1 1/2'' 10 C	127	double bent (short; R=65 mm)	79142C
79144C	3068	250	SAE	10	178	153						14	-28.5	0	SAE 1 1/2'' 10 C	127	double bent (short; R=65 mm)	79145C
79145C	3069	250	SAE	10	178	153						14	+28.5	0	SAE 1 1/2'' 10 C	127	double bent (short; R=65 mm)	79144C
79146C	2771	148	SAE	10	178	153						14	+16	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79147C
79147C	2772	148	SAE	10	178	153						14	-16	+22.5	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79146C
79148C	4097	148	SAE	10	178	153	127					14	0	+20	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	
79149C	4076	251	SAE	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79150C	3156	402	Renault	27	190							14	+23	0	BNA 227	90	bent	79151C
79151C	3157	402	Renault	27	190							14	-23	0	BNA 227	90	bent	79150C
79152C	2753	418	Renault	27	183							14	-22	0	BNA 227, ø35.0	100	bent	79153C
79153C	2754	418	Renault	27	183							14	+22	0	BNA 227, ø35.0	100	bent	79152C
79156C	2760	265	Dennis	10	165							12.7	-38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	79157C
79157C	2761	265	Dennis	10	165							12.7	+38	0	SAE 1 1/2'' 10 C	155	double bent (medium; R=78 mm)	79156C
79160C	4076	261	Volvo/ROR	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	130	bent	
79162C	4088	900	Van Hool	10	152							14	+45	0	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	79163C
79163C	4087	900	Van Hool	10	152							14	-45	0	SAE 1 1/2'' 10 C	0	double bent (short; R=65 mm)	79162C
79165C	4088	900	Van Hool	19	152							14	+45	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	79166C
79166C	4087	900	Van Hool	19	152							14	-45	0	A38x34 DIN 5482	0	double bent (short; R=65 mm)	79165C
79167C	3049	855	DAF	10	165							14	-75	0	SAE 1 1/2'' 10 C	70	double bent (short; R=65 mm)	79168C
79169C	2752	414	Foden	10	140							12.7	0	0	SAE 1 1/2'' 10 C	0	bent	
79170C	3068	592	Dennis	10	140							12.7	-28.5	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	79171C
79171C	3069	592	Dennis	10	140							12.7	+28.5	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	79170C
79177C	3226	908	Optare	28	140							12.7	0	-38	SAE 1 1/2'' 28 C	30	bent	


79139C


79140C

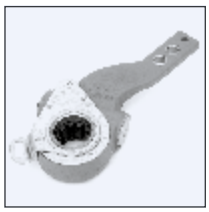

79141C


79142C


79144C


79145C


79146C


79147C


79148C


79149C


79150C

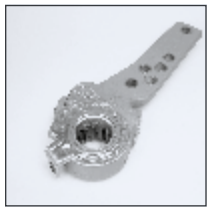

79151C


79152C


79153C


79156C


79157C


79160C


79162C


79163C


79165C


79166C


79169C


79170C


79177C

BRAKE ADJUSTERS

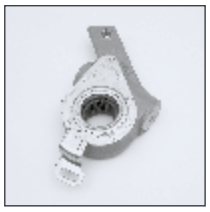
Automatic brake adjusters AA1

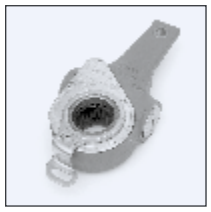
part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79178C	4085	729	Volvo	10	165	140						16	0	0	SAE 1 1/2'' 10 C	305	double bent (long; R=100 mm)	
79179C	4042	560	DAF	10	145							14	-45	-30	SAE 1 1/2'' 10 C	40	double bent (short; R=65 mm)	79180C
79180C	4043	560	DAF	10	145							14	+45	-30	SAE 1 1/2'' 10 C	40	double bent (short; R=65 mm)	79179C
79183C	4097	261	ROR	10	153	140	127					14	0	+20	SAE 1 1/2'' 10 C	130	bent	
79184C	3226	176	Foden	28	127							12.7	0	-38	SAE 1 1/2'' 28 C	75	double bent (medium; R=78 mm)	
79186C	4096	303	Daimler	26	145							14	0	+180	N42x1.5x12H DIN 5480	150	double bent (medium; R=78 mm)	
79188C	3068	976		19	150							12.7	-28.5	0	A38x34 DIN 5482	355	bent	79189C
79189C	3069	976	Hino	19	150							12.7	+28.5	0	A38x34 DIN 5482	355	bent	79188C
79192C	4085	860	Nissan	25	152							12.7	0	0	JIS B 1602	90	double bent (short; R=65 mm)	
79193C	4085	574	MAN	26	145							14	0	0	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	
79197C	3216	863	MAN	26	215							14	-26	+10.5	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	79198C
79198C	3217	863	MAN	26	215							14	+26	+10.5	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	79197C
79201C	2897	872	MAN	26	215							14	0	0	N42x1.5x12H DIN 5480	0	double bent (short; R=65 mm)	
79202C	3226	866	MAN	26	130							14	0	-38	N42x1.5x12H DIN 5480	38	double bent (short; R=65 mm)	
79203C	3195	789	MAN	26	115							14	-15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	79204C
79204C	3196	789	MAN	26	115							14	+15	-24	N42x1.5x12H DIN 5480	346	double bent (medium; R=78 mm)	79203C
79205C	3878	688	MAN	26	145							14	+56	+15	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	79206C
79206C	3879	688	MAN	26	145							14	-56	+15	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	79205C
79207C	2752	480	MAN	26	145							14	0	0	N42x1.5x12H DIN 5480	110	double bent (short; R=65 mm)	
79208C	3185	565	MAN	26	145							14	-56	+4	N42x1.5x12H DIN 5480	144	double bent (short; R=65 mm)	79209C


79179C


79180C


79183C

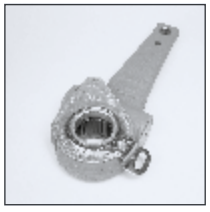

79184C


79192C


79193C


79197C

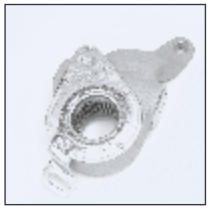

79198C


79201C


79202C


79203C


79204C


79205C


79206C


79207C


79208C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79209C	3186	565	MAN	26	145							14	+56	+4	N42x1.5x12H DIN 5480	144	double bent (short; R=65 mm)	79208C
79210C	3162	785	MAN	26	145							14	+18	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	79211C
79211C	3163	785	MAN	26	145							14	-18	+34	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	79210C
79212C	3177	566	MAN	26	145							14	0	+132.5	N42x1.5x12H DIN 5480	75	double bent (medium; R=78 mm)	
79213C	4047	800	MAN	26	145							14	+26	0	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	79214C
79214C	4046	800	MAN	26	145							14	-26	0	N42x1.5x12H DIN 5480	90	double bent (short; R=65 mm)	79213C
79215C	3226	887	MAN	26	130							14	0	-38	N42x1.5x12H DIN 5480	30	double bent (short; R=65 mm)	
79216C	4028	688	MAN	26	130							14	-40	+28	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	79217C
79217C	4027	688	MAN	26	130							14	+40	+28	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	79216C
79218C	4104	599	MAN	26	130							14	0	0	N42x1.5x12H DIN 5480	105	double bent (short; R=65 mm)	
79219C	3163	768	MAN	26	130							14	-18	+34	N42x1.5x12H DIN 5480	103	double bent (short; R=65 mm)	79220C
79220C	3162	768	MAN	26	130							14	+18	+34	N42x1.5x12H DIN 5480	103	double bent (short; R=65 mm)	79219C
79223C	3070	564	MAN	26	215							14	-45	+10	N42x1.5x12H DIN 5480	100	double bent (short; R=65 mm)	79224C
79224C	3071	564	MAN	26	215							14	+45	+10	N42x1.5x12H DIN 5480	100	double bent (short; R=65 mm)	79223C
79225C	3522	788	MAN	26	130							14	-15	+120	N42x1.5x12H DIN 5480	75	double bent (short; R=65 mm)	79226C
79226C	3523	788	MAN	26	130							14	+15	+120	N42x1.5x12H DIN 5480	75	double bent (short; R=65 mm)	79225C

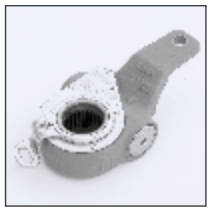

79209C


79210C


79211C


79212C


79213C


79214C


79215C


79216C


79217C


79218C


79219C


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79223C


79224C


79225C

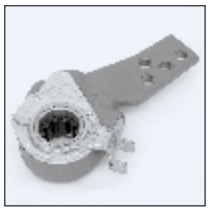

79226C

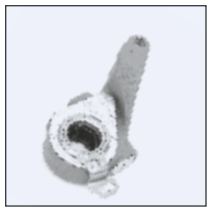
part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79227C	2752	689	MAN	26	145							14	0	0	N42x1.5x12H DIN 5480	118	double bent (short; R=65 mm)	
79228C	3163	512	MAN	26	130							14	-18	+34	N42x1.5x12H DIN 5480	53	double bent (short; R=65 mm)	79229C
79229C	3162	512	MAN	26	130							14	+18	+34	N42x1.5x12H DIN 5480	53	double bent (short; R=65 mm)	79228C
79238C	2755	634		26	175							14	-16	0	40x1.5 CSN 014950.1	25	bent	79239C
79240C	4097	167	SAF	10	180	155	140	125				14	0	+20	SAE 1 1/2'' 10 C	350	saddle type	
79251C	4106	375		25	150							16	-60	-28	JIS B 1602	5	double bent (short; R=65 mm)	79250C
79255C	2752	172		25	190	160	130					14	0	0	JIS B 1602	90	double bent (medium; R=78 mm)	
79258C	2760	373	Kamaz	10	165							14	-38	0	SAE 1 1/2'' 10 C	120	double bent (short; R=65 mm)	79259C
79259C	2761	373	Kamaz	10	165							14	+38	0	SAE 1 1/2'' 10 C	120	double bent (short; R=65 mm)	79258C
79260C	4077	175	Kamaz	10	165							14	+60	-10	SAE 1 1/2'' 10 C	128	double bent (short; R=65 mm)	79261C
79261C	4078	175	Kamaz	10	165							14	-60	-10	SAE 1 1/2'' 10 C	128	double bent (short; R=65 mm)	79260C
79264C	4097	74251	SAE	10	148	100						14	0	20	SAE 1 1/2"-10	130	saddle	
79265C	2754	147	Dana	10	140							12.7	+22	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	79266C
79266C	2753	147	Dana	10	140							12.7	-22	0	SAE 1 1/2'' 10 C	339	double bent (medium; R=78 mm)	79265C
79267C	4104	444	Mercury	28	140							12.7	0	0	SAE 1 1/2'' 28 C	0	bent	
79268C	4085	444	Reliance Mercury	28	165							12.7	0	0	SAE 1 1/2'' 28 C	0	bent	
79269C	3068	174	Gigant/SAE	10	165							14	-28.5	0	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79270C
79270C	3069	174	Gigant/SAE	10	165							14	+28.5	0	SAE 1 1/2'' 10 C	150	double bent (short; R=65 mm)	79269C
79271C	4104	966	Volvo	10	127							12.7	0	0	SAE 1 1/2'' 10 C	150	bent	
79272C	2753	251	Cardi	8	180	155	130					14	-22	0	32 UNI 222	130	saddle type	79273C
79273C	2754	251	Cardi	8	180	155	130					14	+22	0	32 UNI 222	130	saddle type	79272C
79282C	4047	187	Jelcz	27	135							14	+26	0	BNA 227, ø35.0	16	double bent (short; R=65 mm)	79283C
79283C	4046	187	Jelcz	27	135							14	-26	0	BNA 227, ø35.0	16	double bent (short; R=65 mm)	79282C
79286C	4008	374	Renault	27	160							14	+38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79287C
79287C	4009	374	Renault	27	160							14	-38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79286C
79288C	4095	489	Renault	28	160							14	+38	0	SAE 1 1/2'' 28 C	10	double bent (short; R=65 mm)	79289C
79289C	4094	489	Renault	28	160							14	-38	0	SAE 1 1/2'' 28 C	10	double bent (short; R=65 mm)	79288C
79290C	3717	488	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	130	double bent (short; R=65 mm)	79291C
79291C	3718	488	Renault	27	175							14	+56.2	+25	BNA 227, ø35.0	130	double bent (short; R=65 mm)	79290C
79292C	3717	707	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	100	double bent (short; R=65 mm)	79293C


79227C


79228C


79229C


79229C


79251C


79255C


79258C


79259C

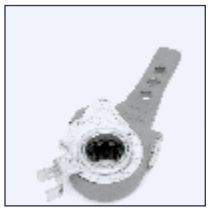

79260C

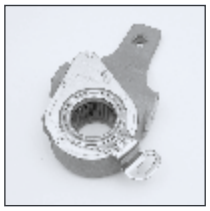

79261C


79267C


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79286C


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79292C

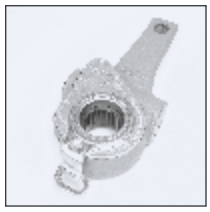
part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79294C	3717	696	Renault	27	160							14	-56.2	+25	BNA 227, ø35.0	35	double bent (short; R=65 mm)	79295C
79295C	3718	696	Renault	27	160							14	+56.2	+25	BNA 227, ø35.0	35	double bent (short; R=65 mm)	79294C
79296C	3717	733	Renault	27	160							14	-56.2	+25	BNA 227, ø35.0	105	double bent (short; R=65 mm)	79297C
79297C	3718	733	Renault	27	160							14	+56.2	+25	BNA 227, ø35.0	105	double bent (short; R=65 mm)	79296C
79298C	4085	860	Renault	28	160							14	0	0	SAE 1 1/2'' 28 C	90	double bent (short; R=65 mm)	
79299C	2760	372	Renault	27	160							14	-38	0	BNA 227, ø35.0	10	double bent (short; R=65 mm)	79300C
79300C	2761	372	Renault	27	160							14	+38	0	BNA 227, ø35.0	10	double bent (short; R=65 mm)	79299C
79301C	4008	716	Renault	27	160							14	+38	+30	BNA 227, ø35.0	135	double bent (short; R=65 mm)	79302C
79302C	4009	716	Renault	27	160							14	-38	+30	BNA 227, ø35.0	135	double bent (short; R=65 mm)	79301C
79303C	2752	719	Renault	27	190							14	0	0	BNA 227, ø35.0	103	double bent (short; R=65 mm)	
79304C	4094	573	Renault	28	160							14	-38	0	SAE 1 7/16'' 28 C	350	double bent (short; R=65 mm)	79305C
79305C	4095	573	Renault	28	160							14	+38	0	SAE 1 7/16'' 28 C	350	double bent (short; R=65 mm)	79304C
79306C	4094	627	Renault	27	175							14	-38	0	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79307C
79307C	4095	627	Renault	27	175							14	+38	0	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79306C
79308C	3717	812	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	145	double bent (short; R=65 mm)	79309C
79309C	3718	812	Renault	27	175							14	+56.2	+25	BNA 227, ø35.0	145	double bent (short; R=65 mm)	79308C
79310C	3717	812	Renault	27	160							14	-56.2	+25	BNA 227, ø35.0	145	double bent (short; R=65 mm)	79311C
79311C	3718	812	Renault	27	160							14	+56.2	+25	BNA 227, ø35.0	145	double bent (short; R=65 mm)	79310C
79312C	4008	991	Renault	27	175							14	+38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79313C
79313C	4009	991	Renault	27	175							14	-38	+30	BNA 227, ø35.0	63	double bent (short; R=65 mm)	79312C
79344C	3069	190	PPS	26	140							14	+28.5	0	40x1.5 CSN 014950.1	75	saddle type	79345C
79345C	3068	190	PPS	26	140							14	-28.5	0	40x1.5 CSN 014950.1	75	saddle type	79344C
79347C	4021	233	Scania	10	165							16	+25	+40	SAE 1 1/2'' 10 C	100	double bent (short; R=65 mm)	79348C
79348C	4020	233	Scania	10	165							16	-25	+40	SAE 1 1/2'' 10 C	100	double bent (short; R=65 mm)	79347C
79349C	3704	385	Foden	10	165							14	-50	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	79350C


79294C


79295C


79296C


79297C


79298C


79299C


79300C


79301C


79302C


79303C


79304C


79305C


79306C


79307C


79308C


79309C


79310C


79312C


79313C


79344C


79345C


79347C


79348C


79349C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79350C	3705	385	Foden	10	165							14	+50	0	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	79349C
79351C	4040	261		14	165	135						12	+50	+22	JIS D 2001 (40x14)	130	bent	79352C
79364C	2894	763	Kamaz	10	150							12.7	+47.6	+22.5	SAE 1 1/2'' 10 C	110	double bent (short; R=65 mm)	79365C
79365C	2895	763	Kamaz	10	150							12.7	-47.6	+22.5	SAE 1 1/2'' 10 C	110	double bent (short; R=65 mm)	79364C
79371C	4085	723	DAF/Sisu	19	152							14	0	0	A38x34 DIN 5482	130	double bent (short; R=65 mm)	
79394C	3717	199	Sisu	10	165							14	-56.2	+25	SAE 1 1/2'' 10 C	326	double bent (long; R=100 mm)	79395C
79395C	3718	199	Sisu	10	165							14	+56.2	+25	SAE 1 1/2'' 10 C	326	double bent (long; R=100 mm)	79394C
79396C	3049	736	Sisu	26	165							14	-75	0	N42x1.5x12H DIN 5480	355	double bent (short; R=65 mm)	79397C
79397C	3050	736	Sisu	26	165							14	+75	0	N42x1.5x12H DIN 5480	355	double bent (short; R=65 mm)	79396C
79402C	2753	164	Raba	20	155							14	-22	0	A40x36 DIN 5482	135	bent	79403C
79403C	2754	164	Raba	20	155							14	+22	0	A40x36 DIN 5482	135	bent	79402C
79407C	3717	203	Sisu	26	165							14	-56.2	+25	N42x1.5x12H DIN 5480	122	double bent (short; R=65 mm)	79408C
79408C	3718	203	Sisu	26	165							14	+56.2	+25	N42x1.5x12H DIN 5480	122	double bent (short; R=65 mm)	79407C
79419C	3226	692	SAE	10	178	153						14	0	-38	SAE 1 1/2'' 10 C	45	double bent (short; R=65 mm)	
79429C	3863	778	ZF	19	145							14	-25	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79430C
79430C	3864	778	ZF	19	145							14	+25	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79429C
79440C	3717	627	Renault	27	160							14	-56.2	+25	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79441C
79441C	3718	627	Renault	27	160							14	+56.2	+25	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79440C
79442C	4083	235	Scania	10	165							16	-65	0	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	79443C
79443C	4084	235	Scania	10	165							16	+65	0	SAE 1 1/2'' 10 C	84	double bent (short; R=65 mm)	79442C
79444C	2752	250	Comauto	10	203							14	0	0	SAE 1 1/2'' 10 C	127	double bent (short; R=65 mm)	
79453C	3884	501	Scania	10	130							16	+35	0	SAE 1 1/2'' 10 C	73	double bent (short; R=65 mm)	79625C
79454C	4085	781	JP Spain	24	160							14	0	0	SAE 1 1/4'' 24 C	135	double bent (short; R=65 mm)	
79455C	3068	574	JP Spain	10	160							14	-28.5	0	SAE 1 1/2'' 10 C	90	double bent (short; R=65 mm)	79456C
79456C	3069	574	JP Spain	10	160							14	+28.5	0	SAE 1 1/2'' 10 C	90	double bent (short; R=65 mm)	79455C
79459C	4097	808		10	152	140	127	115				14	0	+20	SAE 1 1/2'' 10 C	60	saddle type	
79461C	3226	176	Foden	28	140							12.7	0	-38	SAE 1 1/2'' 28 C	75	double bent (medium; R=78 mm)	
79462C	4040	628		19	152							14	+50	+22	A38x34 DIN 5482	142	double bent (short; R=65 mm)	-
79463C	3068	373		19	152							14	-28.5	0	A38x34 DIN 5482	120	double bent (short; R=65 mm)	-
79474C	3717	723	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	130	double bent (short; R=65 mm)	79475C


79350C

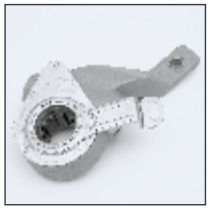

79351C


79364C


79365C


79371C


79394C


79395C


79397C


79402C

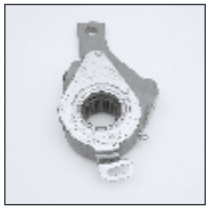

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79407C

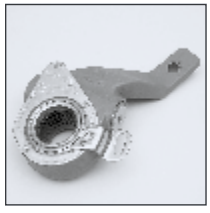

79408C


79419C


79429C


79430C


79440C


79442C


79443C


79453C


79454C


79455C


79456C


79461C


79474C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79475C	3718	723	Renault	27	175							14	+56.2	+25	BNA 227, ø35.0	130	double bent (short; R=65 mm)	79474C
79476C	3717	747	Renault	27	160							14	-56.2	+25	BNA 227, ø35.0	35	double bent (short; R=65 mm)	79477C
79491C	3068	453	Motoral	19	170							14	-28.5	0	A38x34 DIN 5482	305	double bent (long; R=100 mm)	79492C
79492C	3069	453	Motoral	19	170							14	+28.5	0	A38x34 DIN 5482	305	double bent (long; R=100 mm)	79491C
79493C	2760	581	Meihoku	14	150							12.7	-38	0	JIS D 2001 (40x14)	65	double bent (medium; R=78 mm)	79494C
79494C	2761	581	Meihoku	14	150							12.7	+38	0	JIS D 2001 (40x14)	65	double bent (medium; R=78 mm)	79493C
79501C	4085	378	Sisu	10	165							14	0	0	SAE 1 1/2'' 10 C	115	double bent (short; R=65 mm)	
79503C	3863	357	ROR	28	152	127						12.7	-25	-30	SAE 1 1/2'' 28 C	355	double bent (long; R=100 mm)	79504C
79504C	3864	357	ROR	28	152	127						12.7	+25	-30	SAE 1 1/2'' 28 C	355	double bent (long; R=100 mm)	79503C
79520C	3068	246	Neocar	26	150							14	-28.5	0	40x1.5 CSN 014950.1	71	saddle type	79521C
79521C	3069	246	Neocar	26	150							14	+28.5	0	40x1.5 CSN 014950.1	71	saddle type	79520C
79535C	4008	992	Renault	27	160							14	+38	+30	BNA 227, ø35.0	155	double bent (short; R=65 mm)	79536C
79536C	4009	992	Renault	27	160							14	-38	+30	BNA 227, ø35.0	155	double bent (short; R=65 mm)	79535C
79542C	4097	251	SAE	10	180	155	140	125	105			14	0	+20	SAE 1 1/2'' 10 C	130	saddle type	
79550C	4083	732	Scania	10	165							16	-65	0	SAE 1 1/2'' 10 C	140	double bent (short; R=65 mm)	79551C
79551C	4084	732	Scania	10	165							16	+65	0	SAE 1 1/2'' 10 C	140	double bent (short; R=65 mm)	79550C
79558C	2901	246		26	150							14	+60.3	+22.5	40x1.5 CSN 014950.1	71	saddle type	79559C
79559C	2902	246		26	150							14	-60.3	+22.5	40x1.5 CSN 014950.1	71	saddle type	79558C
79564C	4104	921	Volvo	10	140							12.7	0	0	SAE 1 1/2'' 10 C	60	bent	
79577C	3049	321	DAF	10	165							14	-75	0	SAE 1 1/2'' 10 C	120	double bent (medium; R=78 mm)	79578C
79578C	3050	321	DAF	10	165							14	+75	0	SAE 1 1/2'' 10 C	120	double bent (medium; R=78 mm)	79577C
79581C	3717	696	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	35	double bent (short; R=65 mm)	79582C
79582C	3718	696	Renault	27	175							14	+56.2	+25	BNA 227, ø35.0	35	double bent (short; R=65 mm)	79581C
79619D	4076	808	ROR/VH	10	238	203	178	152	140	127	114	14 (L1 :without)	0	+20	SAE 1 1/2'' 10 C	60	saddle type	
79620C	4086	763		10	125							12.7	0	+20	SAE 1 1/2'' 10 C	110	double bent (short; R=65 mm)	
79628C	3717	579	Renault	27	175							14	-56.2	+25	BNA 227, ø35.0	90	double bent (short; R=65 mm)	79629C
79629C	3718	579	Renault	27	175							14	+56.2	+25	BNA 227, ø35.0	90	double bent (short; R=65 mm)	79628C
79637C	4042	778	ZF	19	145							14	-45	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79638C
79638C	4043	778	ZF	19	145							14	+45	-30	A38x34 DIN 5482	50	double bent (short; R=65 mm)	79637C
79641C	3068	411	Volvo	10	185							12.7	-28.5	0	SAE 1 1/2'' 10 C	75	bent	79642C


79475C


79476C


79491C


79492C


79501C


79503C


79504C


79521C


79535C


79536C


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79558C


79564C


79577C


79578C


79581C


79582C


79619D


79620C

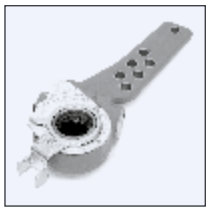

79628C


79629C


79641C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79642C	3069	411	Volvo	10	185							12.7	+28.5	0	SAE 1 1/2'' 10 C	75	bent	79641C
79643C	4086	385	Sisu	10	215	181	153	129	105			14	0	+20	SAE 1 1/2'' 10 C	43	double bent (short; R=65 mm)	
79649C	4076	617	SAE	10	250	180	165	150	135	120	105	14	0	+20	SAE 1 1/2'' 10 C	110	saddle type	
79650C	4008	991	Kynos	10	165							14	+38	+30	SAE 1 1/2'' 10 C	63	double bent (short; R=65 mm)	79651C
79662C	3049	204	Sisu	26	165							14	-75	0	N42x1.5x12H DIN 5480	101	double bent (short; R=65 mm)	79663C
79674C	2901	164	Hino	12	150							12.7	+60.3	+22.5	JIS D 2001 (35x12)	135	bent	
79675C	2902	164	Hino	12	150							12.7	-60.3	+22.5	JIS D 2001 (35x12)	135	double bent (long; R=100 mm)	
79677C	3704	181	Volvo	10	165							12.7	-50	0	SAE 1 1/2'' 10 C	334	double bent (long; R=100 mm)	79678C
79678C	3705	181	Volvo	10	165							12.7	+50	0	SAE 1 1/2'' 10 C	334	double bent (long; R=100 mm)	79677C
79682C	3226	357	Foden	28	143							14	0	-38	SAE 1 1/2'' 28 C	355	double bent (long; R=100 mm)	
79683C	2760	573		27	160							14	-38	0	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79684C
79684C	2761	573		27	160							14	+38	0	BNA 227, ø35.0	350	double bent (short; R=65 mm)	79683C
79693C	4057	563	MAN	26	190							14	+35	-29	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	79694C
79694C	4056	563	MAN	26	190							14	-35	-29	N42x1.5x12H DIN 5480	339	double bent (medium; R=78 mm)	79693C
79695C	2752	613	MAN	26	145							14	0	0	N42x1.5x12H DIN 5480	135	double bent (short; R=65 mm)	
79696C	4085	284	GKN	10	155	127						12.7	0	0	SAE 1 1/2'' 10 C	30	bent	
79713C	4087	309	Volvo	10	145							12.7	-45	0	SAE 1 1/2'' 10 C	345	double bent (long; R=100 mm)	79714C
79714C	4088	309	Volvo	10	145							12.7	+45	0	SAE 1 1/2'' 10 C	345	double bent (long; R=100 mm)	79713C
79724C	3226	308	Volvo	10	125							12.7	0	-38	SAE 1 1/2'' 10 C	55	bent	
79727C	4092	338		10	165							14	-93.5	0	SAE 1 1/2'' 10 C	135	double bent (short; R=65 mm)	79728C
79728C	4093	338		10	165							14	+93.5	0	SAE 1 1/2'' 10 C	135	double bent (short; R=65 mm)	79727C
79729C	4054	74339	KAMAZ	10	165							14	18	-38	SAE 1 1/2'' 10 C	32	R=62	79730C
79730C	4055	74339	KAMAZ	10	165							14	-18	-38	SAE 1 1/2'' 10 C	32	R=62	79729C
79735C	2752	74284	GKN	10	155	127						12,7	0	0	SAE 1 1/2"-10	30	R=62	
79741C	2760	74164	HINO	14	150							12,7	-38	0	JIS D 2001 (40x14x2,5)	135	R=62	79742C
79742C	2761	74164	HINO	14	150							12,7	38	0	JIS D 2001 (40x14x2,5)	135	R=62	79741C
79775	4115	327	Daewoo Bus	25	150							16	60.3	22.5	JIS B 1602 (39x25x1.5)	40	L=60	79776


79642C

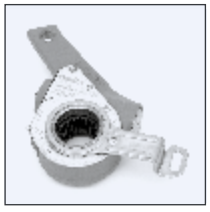

79649C


79650C


79662C


79677C

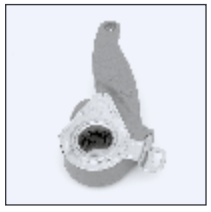

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79682C


79683C

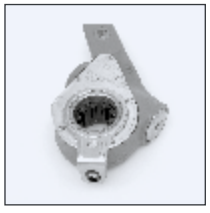

79684C


79693C


79694C


79713C


79714C


79724C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79775C	4115	74327	Daewoo Bus	25	150							16	60,3	22,5	JIS B 1602 (39x25x1,5)	40	L=60	79776C
79776	4116	327	Daewoo Bus	25	150							16	-60.3	22.5	JIS B 1602 (39x25x1.5)	40	L=60	79775
79776C	4116	74327	Daewoo Bus	25	150							16	-60,3	22,5	JIS B 1602 (39x25x1,5)	40	L=60	79775C
79777	4115	261	Daewoo Bus	25	150							16	60.3	22.5	JIS B 1602 (39x25x1.5)	130	L=60	79778
79777C	4115	74261	Daewoo Bus	25	150							16	60,3	22,5	JIS B 1602 (39x25x1,5)	130	L=60	79778C
79778	4116	261	Daewoo Bus	25	150							16	-60.3	22.5	JIS B 1602 (39x25x1.5)	130	L=60	79777
79778C	4116	74261	Daewoo Bus	25	150							16	-60,3	22,5	JIS B 1602 (39x25x1,5)	130	L=60	79777C
79786C	4083	730	Scania	10	165							16	-65	0	SAE 1 1/2'' 10 C	62	double bent (short; R=65 mm)	79787C
79792C	3863	74266	SAF	10	165	140						14	-25	-30	SAE 1 1/2"-10	0	R=78	79793C
79793C	3864	74266	SAF	10	165	140						14	25	-30	SAE 1 1/2"-10	0	R=78	79792C
79799C	4038	448	Volvo	10	155							12.7	-15	-24	SAE 1 1/2'' 10 C	5	bent	79800C
79800C	4039	448	Volvo	10	165							12.7	+15	-24	SAE 1 1/2'' 10 C	5	bent	79799C
79814C	4097	635	SAF	10	180	155	140	125	105			14	0	20	SAE 1 1/2"-10	130	saddle	
79817C	2760	74737	MERITOR	10	140							14	-38	0	SAE 1 1/2"-10	145	R=65	79818C
79818C	2761	74737	MERITOR	10	140							14	38	0	SAE 1 1/2"-10	145	R=65	79817C
79854C	4008	396	Kamaz	20	175							14	38	30	A40x36 DIN 5482	105.5	R=62	79855
79855C	4009	396	Kamaz	20	175							14	-38	30	A40x36 DIN 5482	105.5	R=62	79854

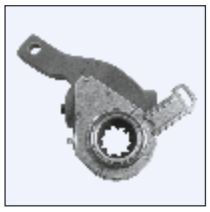


79799C



79800C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
79877C	475-03662	230	Scania	10	165							16	25	-40.5	SAE 1 1/2'' 10	308	double bent (R=78 mm)	79878C
79878C	475-03663	230	Scania	10	165							16	25	-40.5	SAE 1 1/2'' 10	308	double bent (R=78 mm)	79877C
79991C	2901	74153	SISU	26	180							14	60,3	22,5	N42x1,5x12H DIN 5480	138	R=65	79992C
79992C	2902	74153	SISU	26	180							14	-60,3	22,5	N42x1,5x12H DIN 5480	138	R=65	79991C
79993C	2901	74736	SISU	26	180							14	60,3	-22,5	N42x1,5x12H DIN 5480	355	R=65	79994C
79994C	2902	74736	SISU	26	180							14	-60,3	-22,5	N42x1,5x12H DIN 5480	355	R=65	79993C
79995C	4085	74882	SISU	10	145							14	0	0	SAE 1 1/2"-10	150	R=65	
79996C	4085	74152	SISU	10	165							14	0	0	SAE 1 1/2"-10	43	R=65	
79997C	2761	74378	SISU	26	180							14	38	0	N42x1,5x12H DIN 5480	115	R=65	79998C
79998C	2760	74378	SISU	26	180							14	-38	0	N42x1,5x12H DIN 5480	115	R=65	79997C



79877C

Automatic brake adjusters S-ABA

Automatic brake adjusters S-ABA are clearance sensing brake adjusters operating according to the clearance principle developed by Haldex – now widely accepted as a world standard for brake adjuster operation. The clearance principle ensures that Haldex automatic brake adjusters are able to maintain a constant clearance between the brake lining and brake drum.

Through its innovative selfsetting flexible design, the Haldex S-ABA automatic brake adjuster offers two benefits which revolutionised brake adjuster fitting: a free selection of control arm position and error-free installation.



part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
80000C	5018	527	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80001C
80001C	5017	527	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80000C
80008C	5016	528	Daimler	26	145							14	+37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80009C
80009C	5015	528	Daimler	26	145							14	-37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80008C
80010C	5020	527	Daimler	26	145							14	-56	-5	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80011C
80011C	5019	527	Daimler	26	145							14	+56	-5	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80010C
80012C	5032	527	Daimler	26	145							14	-42	+105	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80013C
80013C	5033	527	Daimler	26	145							14	+42	+105	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80012C
80014C	5031	527	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80030C
80019D	5027	530	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80019S	5027	530	BPW	10	250	180	165	150	135	120		14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80020D	5027	530	ROR	10	205	153	140	127	115			14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80020S	5027	530	ROR	10	205	153	140	127	115			14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80021D	5027	530	Fruehauf	37	215	153	129	105				14 (L1: 16)	0	+20	SAE J 498	S-ABA	saddle type	
80021S	5027	530	Fruehauf	37	215	153	129	105				14 (L1: 16)	0	+20	SAE J 498	S-ABA	saddle type	
80022D	5027	530	SAF	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80022S	5027	530	SAF	10	250	180	155	140	125	105		14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80023D	5027	530	SMB	10	215	153	129	105				14 (L1: 16)	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80023S	5027	530	SMB	10	215	153	129	105				14 (L1: 16)	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80024D	5027	530	Trailor	10	210	180	150	125				14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80024S	5027	530	Trailor	10	210	180	150	125				14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	

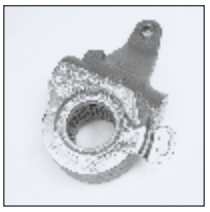

80000C


80001C


80008C

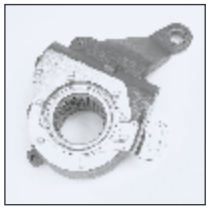

80009C


80010C


80011C


80012C


80013C


80014C


80019D


80019S


80020D


80020S


80021D


80021S


80022D


80022S


80023D


80023S


80024D


80024S

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
80030C	5018	527	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80014C
80032C	5027	530	Go-axles/ Hendred Fruehauf	10	150	125						12.7	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80039C	5016	527	Kamaz	10	145							14	+37	+34	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80040C
80040C	5015	527	Kamaz	10	145							14	-37	+34	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80039C
80041C	5027	530	SAF	10	180	155	140	125				14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80072C	475-20000	531		24	140							12.7	0	0	N38x1.5x12H DIN 5480	S-ABA	bent	
80076C	5037	531		24	140							12.7	-16	0	N32x1.25x24	S-ABA	bent	80077C
80077C	5038	531		24	140							12.7	+16	0	N32x1.25x24	S-ABA	bent	80076C
80080C	5039	527	Kamaz	10	150							12,7	-45	0	SAE 1 1/2"-10	S-ABA	R=65	80081C
80081C	5040	527	Kamaz	10	150							12,7	45	0	SAE 1 1/2"-10	S-ABA	R=65	80080C
80108C	5027	530	SAE	10	105	120	135	150	165	180	250	14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80109C	475-20000	529	SouthAfrica	10	140							12.7	0	0	SAE 1 1/2'' 10 C	S-ABA	bent	
80122C	5044	534	SAE	10	180	150						14	60,3	22,5	SAE 1 1/2"-10	S-ABA	R=65	80123C
80123C	5045	74534	SAE	10	180	150						14	-60,3	22,5	SAE 1 1/2"-10	S-ABA	R=65 (Left)	80122C
80124C	5047	527	SAE	10	180	150						14	+28.5	0	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80125C
80125C	5046	527	SAE	10	180	150						14	-28.5	0	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80124C
80126C	5027	530	SAE	10	105	120	135	150	165	180		14	0	+20	SAE 1 1/2'' 10 C	S-ABA	saddle type	
80129C	5047	527	SAE	10	165							14	+28.5	0	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80130C
80130C	5046	527	SAE	10	165							14	-28.5	0	SAE 1 1/2'' 10 C	S-ABA	double bent (short; R=65 mm)	80129C
80134C	5027	74534	SAE	10	180	165	150	135	120	105		14	0	20	SAE 1 1/2"-10	S-ABA	R=65 (Left)	
80136C	5041	74537	SAE	10	180	150						14	0	-38	SAE 1 1/2"-10	S-ABA	R=65	
80163C	5018	527	Daimler	26	145							14	-56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80164C
80164C	5017	527	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80163C
80165C	5016	528	Daimler	26	145							14	+37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80166C
80166C	5015	528	Daimler	26	145							14	-37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80165C


80030C


80039C

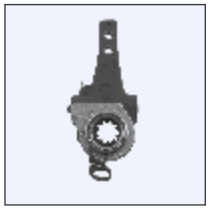

80040C


80041C


80072C


80108C


80123C


80124C


80134C

BRAKE ADJUSTERS

Automatic brake adjusters S-ABA

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
80167	5031	527	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	-
80167C	5031	527	Daimler	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	-
80168	5027	532	Daimler	28	145							14	-56	+15	SAE 1 1/2'' 28 C	S-ABA	double bent (short; R=65 mm)	
80168C	5027	532	Daimler	28	145							14	-56	+15	SAE 1 1/2'' 28 C	S-ABA	double bent (short; R=65 mm)	
80176C	5018	535	MAN	26	145							14	-56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80177C
80177C	5017	535	MAN	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80176C
80178C	5016	536	MAN	26	145							14	+37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80179C
80179C	5015	536	MAN	26	145							14	-37	+34	N42x1.5x12H DIN 5480	S-ABA	double bent (medium; R=78 mm)	80178C
80180C	5020	537	MAN	26	145							14	-56	-5	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80181C
80181C	5019	537	MAN	26	145							14	+56	-5	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80180C
80183C	5031	535	MAN	26	145							14	+56	+15	N42x1.5x12H DIN 5480	S-ABA	double bent (short; R=65 mm)	80176C
80200C	475-20003	532	Isuzu	24	127							12.7	0	0	N32x1.25x24x12H DIN 5480	S-ABA	R=68.9	
80225	475-20003	74529	axle tech	28	152							14	0	0	SAE 1 1/2"-28	S-ABA	R=62	
80293	5060	528	SAF	10	152	140	127					14	-25	-20	SAE 1 1/2''-10	S-ABA	R=78	80294
80294	5061	528	SAF	10	152	140	127					14	25	-20	SAE 1 1/2''-10	S-ABA	R=78	80293
80305C	5064	74527	DAIMLER, Br	26	145							14	-63	0	N42x1,5x12H DIN 5480	S-ABA	R=65	80306C
80306C	5065	74527	DAIMLER, Br	26	145							14	63	0	N42x1,5x12H DIN 5480	S-ABA	R=65	80305C
80346C	5062	74534	SAF	10	152	140	127					14	-36	0	SAE 1 1/2"-10	S-ABA	R=65 (Left)	80347C
80347C	5063	74534	SAF	10	152	140	127					14	36	0	SAE 1 1/2"-10	S-ABA	R=65 (Left)	80346C
80361	5060	528	SAF	10	152	140	127					14	-25	-20	SAE 1 1/2''-10	S-ABA	R=78	80362


80176C


80177C

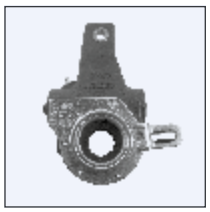

80178C


80179C


80180C

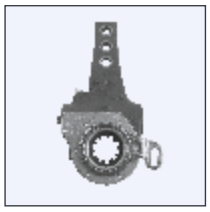

80181C


80183C


80200C


80347C

part number	casting	control unit	application	no. of spline teeth	L1	L2	L3	L4	L5	L6	L7	bushing (mm)	offset	inclination (deg)	spline type	alpha (deg)	control arm	other side
80361C	5060	74528	SAF	10	152	140	127					14	-25	-20	SAE 1 1/2"-10	S-ABA	R=78	80362C
80362	5061	528	SAF	10	152	140	127					14	25	-20	SAE 1 1/2''-10	S-ABA	R=78	80361
80362C	5061	74528	SAF	10	152	140	127					14	25	-20	SAE 1 1/2"-10	S-ABA	R=78	80361C
80367C	5037	534	SAF	10	178	152	127					14	-16	0	SAE 1 1/2"-10	S-ABA	R=65	80368C
80368C	5038	534	SAF	10	178	152	127					14	16	0	SAE 1 1/2"-10	S-ABA	R=65	80367C
80382C	5047	74527	SAE	10	180	150						14	-28,5	0	SAE 1 1/2"-10	S-ABA	R=65	80383C
80383C	5046	74527	SAE	10	180	150						14	28,5	0	SAE 1 1/2"-10	S-ABA	R=65	80382C
80409C	5041	88047	SAE	10	180	150						14	0	-38	SAE 1 1/2"-10	S-ABA	R=65	
80484C	5027	74530	Knott	10	180	150	125	105				14	0	20	SAE 1 1/2"-10	S-ABA	saddle	
80495D	5027	530	VALX	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2"-10	S-ABA	saddle	
80495S	5027	530	VALX	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2"-10	S-ABA	saddle	
80499C	5019	74527	DAB	19	145							14	56	-5	A 38x34 DIN 5482	S-ABA	R=65	
80500C	5020	74527	DAB	19	145							14	-56	-5	A 38x34 DIN 5482	S-ABA	R=65	
80530D	5027	541	BPW	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80530S	5027	541	BPW	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80531D	5027	542	BPW	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80531S	5027	542	BPW	10	250	180	165	150	135	120		14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80532D	5027	541	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80532S	5027	541	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80533D	5027	542	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80533S	5027	542	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80534D	5027	542	BPW	10	165	150	135	120				14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80534S	5027	542	BPW	10	165	150	135	120				14	0	20	SAE 1 1/2"-10	S-ABA	Curled short	
80553D	5027	74530	BPW	10	210	180	150	125				14	0	20	SAE 1 1/2"-10	S-ABA	saddle	
80553S	5027	74530		28	210	180	150	125				12,7	0	20	SAE 1 1/2"-28	S-ABA	saddle	
80559D	5027	530	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80559S	5027	530	BPW	10	180	165	150	135	120			14	0	20	SAE 1 1/2'' 10 C	S-ABA	Curled	
80563C	5015	74528	MAN	26	145							14	-37	34	N42x1.5x12H DIN 5480	S-ABA	R=78	80564C
80564C	5016	74528	MAN	26	145							14	37	34	N42x1.5x12H DIN 5480	S-ABA	R=78	80563C
80584D	5027	530	VALX	10	180	165	150	135	120			14	0	20	SAE 1 1/2"-10	S-ABA	saddle	
80584S	5027	530	VALX	10	180	165	150	135	120			14	0	20	SAE 1 1/2"-10	S-ABA	saddle	



80368C

Lining wear sensors (LWS)

Lining wear sensors provide continuous monitoring of wear on drum brake linings.

part number	type	for	spline type	no. of spline teeth	axle	cable (mm)	comment	application
91935	electronic lining wear sensor	ABA	N42x1.5x9H	26	L/H front or R/H rear	without		MAN
91936	electronic lining wear sensor	ABA	N42x1.5x9H	26	R/H front or L/H rear	without		MAN
90571	electronic lining wear sensor	ABA	N42x1.5x9H	26	R/H front or L/H rear	without		Daimler
90572	electronic lining wear sensor	ABA	N42x1.5x9H	26	L/H front or R/H rear	without		Daimler


90571


90572


91935


91936

Lining wear indicators (LWI)

Lining wear indicators are monuted on the camshaft to provide continuous monitoring of heavy vehicle drum brake linings.

part number	type	for	spline type	no. of spline teeth	axle	cable (mm)	comment	application
014114309	visual lining wear indicator	ABA	-	-	-	-		ROR
76012	visual lining wear indicator	ABA	-	-	-	-		SAF
76924	visual lining wear indicator	ABA	-	-	-	-		ROR
76925	visual lining wear indicator	ABA	-	-	-	-		BPW


014114309


76012


76924

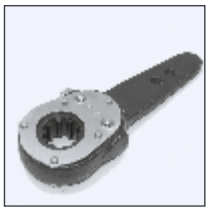

76925

Manual brake adjusters

Manual brake adjusters are installed as the lever linking the actuator to the camshaft, in a drum brake system. Regular manual adjustment is required to maintain a constant clearance between the brake linings and the drum.

part number	mechanism	lever type	no. of spline teeth	A	B	C	D	E	F	G	H	I (offset)	bushing lever	length (mm)	spline type	application
100001021	ball + spring	straight	10	120	150	180							without, 14	218	SAE 1 1/2''-10 C	BPW
100001023	ball + spring	straight	10	140	165								without, 1/2''	218	SAE 1 1/2''-10 C	
100001025	ball + spring	straight	10	150	170	190							without, 14	218	SAE 1 1/2''-10 C	BPW
100001027	ball + spring	straight	10	127	152	178	203						without, 14	218	SAE 1 1/2''-10 C	ROR/Trailor
100001030	ball + spring	straight	10	125	150	175	200						without, 14	218	SAE 1 1/2''-10 C	SAE
100001122	ball + spring	straight	10	120	150	180	200	230	260	290			without, 14 (G: without, 17)	310	SAE 1 1/2''-10 C	
100001125	ball + spring	straight	10	120	150	180	200	230	260	290			without, 14	310	SAE 1 1/2''-10 C	BPW
100001128	ball + spring	straight	10	175	230	260	290						without, 14 (A: without, 22)	310	SAE 1 1/2''-10 C	
100001700	ball + spring	straight	10										-	272	SAE 1 1/2''-10 C	
100001721	ball + spring	straight	10	120	150	180	220	250					without, 14	272	SAE 1 1/2''-10 C	BPW
100001760	ball + spring	straight	10	120	135	150	165	180	195	250			without, 14	272	SAE 1 1/2''-10 C	BPW
100002163	ball + spring	straight	37	120	150	180	200	230	260	290			without, 14	310	A36x40 DIN 5481	Kässbohrer
100002166	ball + spring	straight	37	120	150	180	290						without, 14 (D: without, 18)	310	A36x40 DIN 5481	Kässbohrer
100002167	ball + spring	straight	37	120	135	150	165	180	290				without, 14 (F: without, 18)	310	A36x40 DIN 5481	
100012345	ball + spring	straight	39	105	125	150	170	190					without, 14	218	E22-151 BNA 227 30x39 x 0.75	
100012346	ball + spring	straight	39	170	190								without, 14	218	E22-151 BNA 227 30x39 x 0.75	
100014750	ball + spring	straight	37	105	130	150	180	215					without, 14 (E: without, 18)	233	ANSI B92 1A-1976, 24/48	Fruehauf
100014753	ball + spring	straight	37	105	130	150	180	215					without, 14 (E: without, 16)	233	ANSI B92 1A-1976, 24/48	Trailor
100016170	ball + spring	straight	8	152	192	230	260	290					without, 14 (A: without, 8)	310	32 UNI 222	


100001021


100001023


100001025


100001027


100001122


100001125


100001128


100001700


100001721

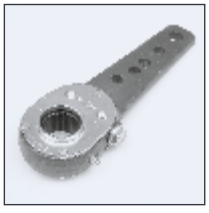

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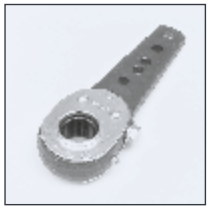

100002163


100002166


100002167


100012345


100014750


100014753

part number	mechanism	lever type	no. of spline teeth	A	B	C	D	E	F	G	H	I (offset)	bushing lever	length (mm)	spline type	application
100016970	posi-lock	straight	8	127	152	178							without, 14	220	32 UNI 222	
100101006	posi-lock	straight	10	145									14	161	SAE 1 1/2''-10 C	
100101007	posi-lock	straight	10	152	178								16	218	SAE 1 1/2''-10 C	
100101008	posi-lock	straight	10	127	152	178	203						14	218	SAE 1 1/2''-10 C	ROR/Trailor
100101009	posi-lock	straight	10	140									1/2''	156	SAE 1 1/2''-10 C	
100101041	ball + spring	straight	10	120	150	180							without, 14	218	SAE 1 1/2''-10 C	BPW/ROR
100101042	ball + spring	straight	10	127	152	178	203						without, 1/2''	218	SAE 1 1/2''-10 C	ROR/Trailor
100101047	ball + spring	straight	10	127	152	178	203						without, 14	218	SAE 1 1/2''-10 C	ROR/Trailor
100101070	ball + spring	straight	10	127	152	178	203						14	218	SAE 1 1/2''-10 C	ROR
100101364	ball + spring	straight	10	140									14	156	SAE 1 1/2''-10 C	DAF
100101365	ball + spring	straight	10	140									without, 22	163	SAE 1 1/2''-10 C	
100101366	ball + spring	straight	10	165									14	181	SAE 1 1/2''-10 C	
100101367	ball + spring	straight	10	140									14	163	SAE 1 1/2''-10 C	
100101743	ball + spring	straight	10	127	152	178	203	230					without, 14 (E: without, 18)	272	SAE 1 1/2''-10 C	Sauer
100106005	ball + spring	straight	19	122									without, 14	140	A38x34 DIN 5482	
100114075	ball + spring	straight	37	105	130	150	180	206					without, 14 (E: without, 16)	218	ANSI B92 1A-1976, 24/48	Propar/Fruehauf
100213749	ball + spring	straight	27	170	210	240	260						without, 14	272	E22-151 BNA 227 42x27 x 1.5	Titan
100215921	ball + spring	straight	32	125	150	175	200						without, 14	218	E22-151 BNA 227 ø33	Colaert
100313749	ball + spring	straight	27	170	210	240	260						without, 14	272	E22-151 BNA 227 42x27 x 1.5	Titan
100315921	ball + spring	straight	32	125	150	175	200						without, 14	218	E22-151 BNA 227 ø33	Colaert
100401204	ball + spring	offset	10	140								+38mm	14	156	SAE 1 1/2''-10 C	DAF
100501204	ball + spring	offset	10	140								-38mm	14	156	SAE 1 1/2''-10 C	DAF
102060001	posi-lock	straight	10	5''	6''	7''	8''						1/2''	218	SAE 1 1/2''-10 C	ROR/Trailor
102060031	posi-lock	straight	10	4.5''	5.5''	6.5''	7.5''						1/2''	218	SAE 1 1/2''-10 C	DAF/ROR


100016170


100016970


100101006

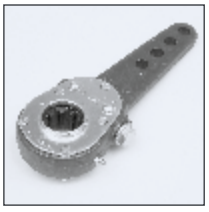

100101007


100101008


100101009


100101041


100101042


100101047

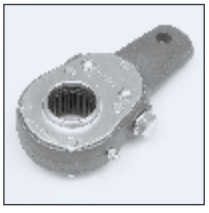

100101364


100101365


100101366


100101367


100101743

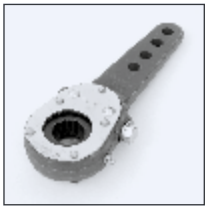

100106005


100114075


100213749


100215921

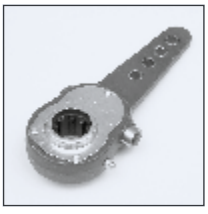

100313749


100315921


100401204


100501204


102060001


102060031

part number	mechanism	lever type	no. of spline teeth	A	B	C	D	E	F	G	H	I (offset)	bushing lever	length (mm)	spline type	application
102060291	posi-lock	straight	10	120	140	200							1/2''	218	SAE 1 1/2''-10 C	
102062201	posi-lock	double	10	5''	6''	7''	8''				7.5''		1/2'' (H: 17/32'')	218	SAE 1 1/2''-10 C	Trailor
102066001	posi-lock	straight	37	5''	6''	7''	8''						1/2''	218	ANSI B92 1A-1976, 24/48	Trailor
102172001	posi-lock	straight	10	127	152	178	203						14	218	SAE 1 1/2''-10 C	ROR/Trailor
102172031	posi-lock	straight	10	115	140	165	190						14	218	SAE 1 1/2''-10 C	ROR
102315271	posi-lock	straight	10	105	130	150	200						without, 14	218	SAE 1 1/2''-10 C	
102315341	posi-lock	straight	10	105	130	200							without, 14	218	SAE 1 1/2''-10 C	
102317201	posi-lock	double	10	127	152	178	203				191		without, 14 (H: 17/32'')	220	SAE 1 1/2''-10 C	
102916351	posi-lock	double	37	105	130	150					200		without, 14 (H: 16)	220	ANSI B92 1A-1976, 24/48	
102922291	posi-lock	straight	10	120	140	200							without, 14 (C: without, 16)	218	SAE 1 1/2''-10 C	
102923341	posi-lock	straight	10	105	130	200							without, 14 (C: without, 16)	218	SAE 1 1/2''-10 C	
102925111	posi-lock	straight	10	140									1/2''	165	SAE 1 1/2''-10 C	
102925394	posi-lock	straight	10	127									1/2''	165	SAE 1 1/2''-10 C	
103004001	ball + spring	straight	8	120	150	180	220	250					without, 14	272	32 UNI 222	
103005001	posi-lock	straight	8	126	148	178							without, 14	218	32 UNI 222	
103006001	ball + spring	straight	10	5''	6''	7''	8''						1/2''	218	SAE 1 1/2''-10 C	ROR/Trailor
103007001	ball + spring	straight	10	127	152	178	203						14	218	SAE 1 1/2''-10 C	ROR/Trailor
103009001	ball + spring	straight	37	105	130	150	215						1/2'' (D: 16)	233	ANSI B92 1A-1976, 24/48	
103014001	ball + spring	straight	10	127	152	178	203	248					without, 14 (E: 18)	272	SAE 1 1/2''-10 C	
103015001	ball + spring	straight	39										-	272	E22-151 BNA 227 30x39 x 0.75	
103016001	ball + spring	straight	20	150	175	200	225	250					without, 14	272	A40x36 DIN 5482	
103018001	ball + spring	straight	10	105	129	151	181	215					without, 14 (E: 16)	233	SAE 1 1/2''-10 C	
104401051	ball + spring	offset	10	152								+38mm	without, 1/2''	200	SAE 1 1/2''-10 C	Volvo/DAF
104401053	ball + spring	offset	10	140	165							+38mm	without, 1/2''	200	SAE 1 1/2''-10 C	Volvo
104401201	ball + spring	offset	10	140								+38mm	without, 14	156	SAE 1 1/2''-10 C	Volvo
104401401	posi-lock	offset	10	145								-56mm	14	161	SAE 1 1/2''-10 C	


102060291


102062201


102066001


102172001


102172031


102315271


102315341


102317201


102916351


102922291


102923341


102925111


102925394


103004001


103006001


103007001

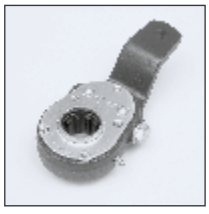

103009001


103014001


103018001


104401051


104401053


104401201


104401401

part number	mechanism	lever type	no. of spline teeth	A	B	C	D	E	F	G	H	I (offset)	bushing lever	length (mm)	spline type	application
104406401	ball + spring	offset	19	145								-56mm	without, 14	161	A38x34 DIN 5482	
104407401	ball + spring	offset	26	145								-56mm	without, 14	161	N42x1.5x9H DIN 5480	Daimler
104501051	ball + spring	offset	10	152								-38mm	without, 1/2''	200	SAE 1 1/2''-10 C	Volvo/DAF
104501053	ball + spring	offset	10	140	165							-38mm	without, 1/2''	200	SAE 1 1/2''-10 C	Volvo
104501201	ball + spring	offset	10	140								-38mm	without, 14	156	SAE 1 1/2''-10 C	Volvo
104501401	posi-lock	offset	10	145								+56mm	14	161	SAE 1 1/2''-10 C	
104506401	ball + spring	offset	19	145								+56mm	without, 14	161	A38x34 DIN 5482	
104507401	ball + spring	offset	26	145								+56mm	without, 14	161	N42x1.5x9H DIN 5480	Daimler
KN44051	posi-lock	straight	28	5.0''	6.0''								1/2''	170	SAE 1 1/2''-28 C	Meritor
KN44061	posi-lock	straight	28	5.5''	6.5''								1/2''	195	SAE 1 1/2''-28 C	Meritor

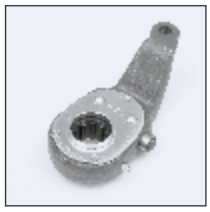

104406401


104407401

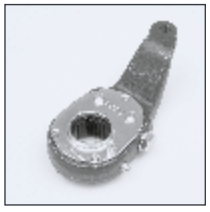

104501051


104501053

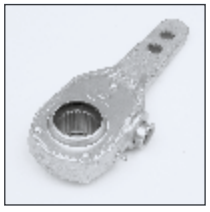

104501201


104501401


104506401


104507401


KN44051


KN44061

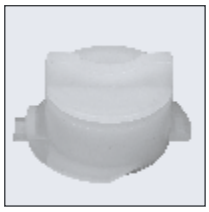
Spares and repair kits

part number	description
003591709	anchor bracket; for ABA (Grau); bolt type
003825809	anchor bracket; for ABA (Grau); bolt type
003825909	anchor bracket; for ABA (Grau); bolt type
027507809	dust cap; for ABA (Grau); white
10420	anchor bracket; for ABA; bolt type
10421	anchor bracket; for ABA; bolt type
452-10125	control arm bushing; for ABA (Haldex); peg bolt type
45425	bush; for ABA; 16.1mmOD
45908	worm wheel; for ABA; BNA 227, ø39.0
46355	bolt; for ABA anchor bracket; M10
46390	worm wheel; for ABA; A40x36 DIN 5482
46555	worm wheel; for ABA; A36x40 DIN 5481
47107	rivet; for ABA
47263	worm wheel; for ABA; N42x1.5x9H DIN 5480
47268	gasket; for ABA (AA1); x1
47359	worm wheel; for ABA; BNA 227, ø39.9
51326	rack; for ABA (AA1)
51384	welch plug; for ABA (AA1)
51420	worm wheel; for ABA; A38x34 DIN 5482
63008	worm wheel; for ABA; SAE 1 1/2'' 10 C
74147S	control unit; for ABA (AA1)
74164S	control unit; for ABA (AA1)
74165S	control unit; for ABA (AA1)
74181S	control unit; for ABA (AA1)
74187S	control unit; for ABA (AA1)
74230S	control unit; for ABA (AA1)
74234S	control unit; for ABA (AA1)


003591709


003825809


003825909


027507809


10420


10421


45425


45908


46355


46390


47107


47263

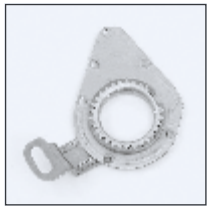

47268


47359


51326


51420


63008


74147S

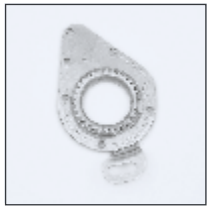

74164S


74165S


74181S


74187S

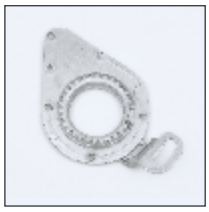

74230S

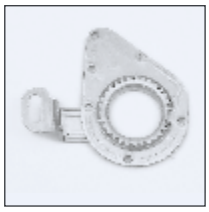

74234S

part number	description
74235S	control unit; for ABA (AA1)
74246S	control unit; for ABA (AA1)
74250S	control unit; for ABA (AA1)
74255S	control unit; for ABA (AA1)
74265S	control unit; for ABA (AA1)
74266S	control unit; for ABA (AA1)
74268S	control unit; for ABA (AA1)
74270S	control unit; for ABA (AA1)
74272S	control unit; for ABA (Haldex)
74293S	control unit; for ABA (AA1)
74295S	control unit; for ABA (AA1)
74303S	control unit; for ABA (Haldex)
74309S	control unit; for ABA (AA1)
74373S	control unit; for ABA (AA1)
74374S	control unit; for ABA (AA1)
74376S	control unit; for ABA (AA1)
74380S	control unit; for ABA (AA1)
74404S	control unit; for ABA (AA1)
74410S	control unit; for ABA (AA1)
74411S	control unit; for ABA (AA1)
74412S	control unit; for ABA (AA1)
74447S	control unit; for ABA (AA1)
74448S	control unit; for ABA (AA1)
74472S	control unit; for ABA (AA1)
74474S	control unit; for ABA (AA1)
74475S	control unit; for ABA (AA1)
74476S	control unit; for ABA (AA1)

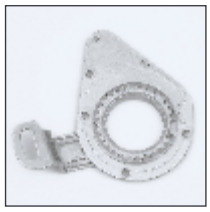

74235S


74246S

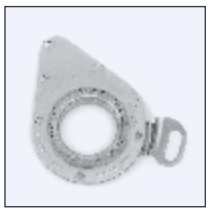

74250S

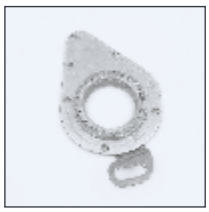

74255S


74265S


74266S


74270S

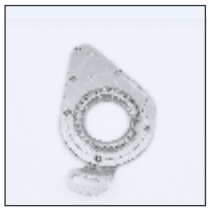

74293S


74295S


74309S

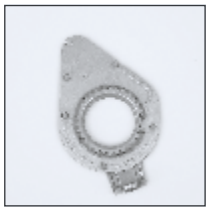

74309S


74373S

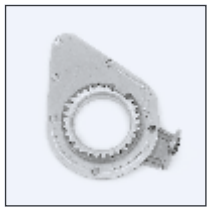

74374S


74376S

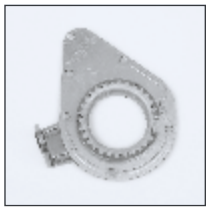

74380S


74404S

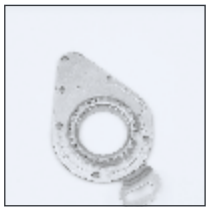

74410S

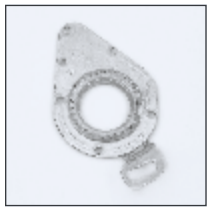

74411S


74447S


74448S


74472S


74474S

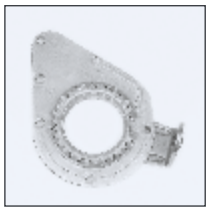

74475S


74476S

part number	description
74477S	control unit; for ABA (AA1)
74482S	control unit; for ABA (AA1)
74485S	control unit; for ABA (AA1)
74486S	control unit; for ABA (AA1)
74512S	control unit; for ABA (AA1)
74527S	control unit; for ABA (S-ABA)
74528S	control unit; for ABA (S-ABA)
74529S	control unit; for ABA (S-ABA)
74530S	control unit; for ABA (S-ABA)
74531S	control unit; for ABA (S-ABA)
74532S	control unit; for ABA (S-ABA)
74536S	control unit; for ABA (S-ABA)
74537S	control unit; for ABA (AA1)
74541S	control unit; for ABA (AA1)
74542S	control unit; for ABA (AA1)
74555S	control unit; for ABA (AA1)
74556S	control unit; for ABA (AA1)
74557S	control unit; for ABA (AA1)
74558S	control unit; for ABA (AA1)
74560S	control unit; for ABA (AA1)
74564S	control unit; for ABA (AA1)
74565S	control unit; for ABA (AA1)
74566S	control unit; for ABA (AA1)
74573S	control unit; for ABA (AA1)
74579S	control unit; for ABA (AA1)
74580S	control unit; for ABA (AA1)
74597S	control unit; for ABA (AA1)
74598S	control unit; for ABA (AA1)
74617S	control unit; for ABA (AA1)
74620S	control unit; for ABA (AA1)
74624S	control unit; for ABA (AA1)
74627S	control unit; for ABA (AA1)


74477S


74482S


74485S


74486S


74512S


74527S


74528S


74529S

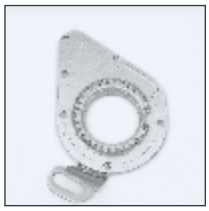

74537S

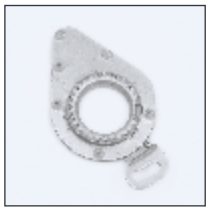

74555S

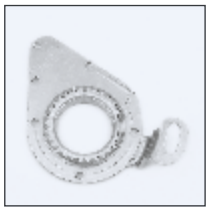

74556S


74557S

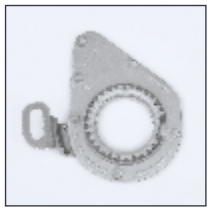

74558S


74560S

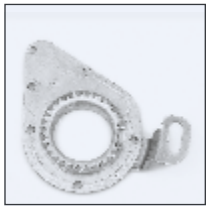

74564S


74565S


74566S


74573S


74580S


74597S


74598S


74620S


74624S


74627S

part number	description
74628S	control unit; for ABA (AA1)
74632S	control unit; for ABA (AA1)
74635S	control unit; for ABA (AA1)
74637S	control unit; for ABA (AA1)
74682S	control unit; for ABA (AA1)
74686S	control unit; for ABA (AA1)
74688S	control unit; for ABA (AA1)
74696S	control unit; for ABA (AA1)
74709S	control unit; for ABA (AA1)
74723S	control unit; for ABA (AA1)
74733S	control unit; for ABA (AA1)
74737S	control unit; for ABA (AA1)
74746S	control unit; for ABA (AA1)
74768S	control unit; for ABA (AA1)
74771S	control unit; for ABA (AA1)
74778S	control unit; for ABA (AA1)
74782S	control unit; for ABA (AA1)
74785S	control unit; for ABA (AA1)
74788S	control unit; for ABA (AA1)
74803S	control unit; for ABA (AA1)
74812S	control unit; for ABA (AA1)
74854S	control unit; for ABA (AA1)
74855S	control unit; for ABA (AA1)
74860S	control unit; for ABA (AA1)


74628S


74632S

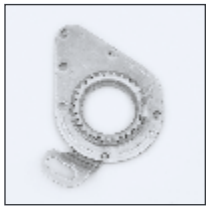

74635S


74637S


74682S


74686S

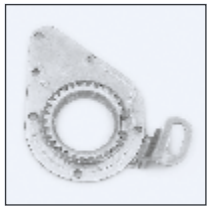

74688S


74696S


74709S


74723S


74733S


74737S

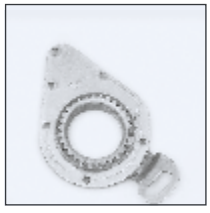

74746S


74768S


74771S

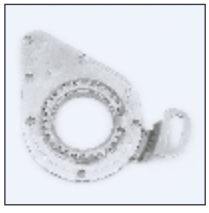

74778S

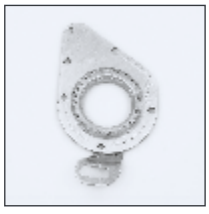

74782S

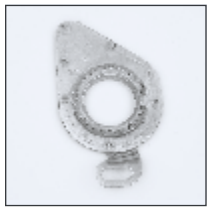

74785S

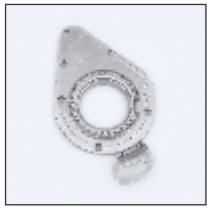

74788S


74803S


74812S


74854S

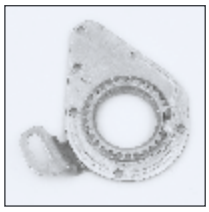

74855S


74860S

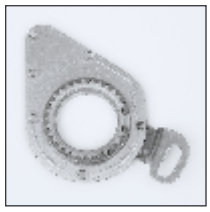
part number	description
74862S	control unit; for ABA (AA1)
74864S	control unit; for ABA (AA1)
74865S	control unit; for ABA (AA1)
74881S	control unit; for ABA (AA1)
74885S	control unit; for ABA (AA1)
74900S	control unit; for ABA (AA1)
74920S	control unit; for ABA (AA1)
74949S	control unit; for ABA (AA1)
74953S	control unit; for ABA (AA1)
74966S	control unit; for ABA (AA1)
74992S	control unit; for ABA (AA1)
76014	spline washer; for ABA; with o-ring
76046	repair kit; for ABA (AA1)
76050	anchor bracket; for ABA; bolt type
76087	distance washer; for ABA; 42±0.5mm OD
76478	screw; for ABA anchor bracket; 22mm
76668	anchor bracket; for ABA; bolt type
76670	anchor bracket; for ABA; bolt type
76671	anchor bracket; for ABA; bolt type
76672	anchor bracket; for ABA; bolt type
76804	worm wheel; for ABA; JIS D 2001 (35x12)
76805	worm wheel; for ABA; JIS D 2001 (40x14)
76832	worm wheel; for ABA; 40x1.5 CSN 014950.1
76859	worm wheel; for ABA; PITCH 24/48
76862	screw; for ABA; torx
76878	bush; for ABA; for control arm
76883	anchor bracket; for ABA (Haldex); bolt type
76902	bush; for ABA; for control arm


74862S

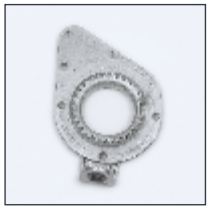

74864S


74865S


74881S


74885S


74900S


74920S


74949S


74953S

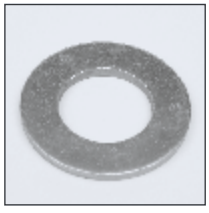

74966S


74992S


76014


76046


76050


76087


76478


76668


76670


76671


79440C


76832


76862


76878


76902

part number	description
76916	anchor bracket; for ABA; bolt type
76918	anchor bracket; for ABA; bolt type
76921	anchor bracket; for ABA; bolt type
76922	anchor bracket; for ABA; bolt type
76979	anchor bracket; for ABA; U-type
76980	anchor bracket; for ABA; U-type
76986	anchor bracket; for ABA; U-type
76994	worm wheel; for ABA; SAE 1 1/2'' 28 C
76995	anchor bracket; for ABA; U-type
76996	anchor bracket; for ABA; U-type
76997	anchor bracket; for ABA; U-type
76998	anchor bracket component; for ABA anchor bracket (76997)
77885	front cover; for ABA (AA1); adjusting nut end
77900	worm wheel; for ABA; N30x1.5x9H DIN 5480
77975	anchor bracket; for ABA; U-type
78303	worm wheel; for ABA; JIS B 1602 L=29.4
81374	bush; for ABA; 19.0mmOD
84423	spacer; for ABA; for chassis to anchor point connection
84579	bush; for ABA; 19.0mmOD
84672	worm wheel; for ABA; N38x1.5x9H DIN 5480
84734	bushing, 16 mm; for ABA (Haldex)
86993	anchor bracket; for ABA; U-type
86994	anchor bracket; for ABA; U-type
87004	repair kit; for ABA (S-ABA); position 4
87005	repair kit; for ABA (S-ABA); position 5
87006	repair kit; for ABA (S-ABA); position 6
90373	bush; for ABA; x12
91133	gasket; for ABA (AA1); x5
91134	gasket; for ABA (S-ABA); x5
91804	repair kit; for ABA (S-ABA); position 4
91805	repair kit; for ABA (S-ABA); position 5
93636	anchor bracket; for ABA (S-ABA); U-type


76916


76918


76921


76922


76979


76980


76986


76994


76995


76996


76997

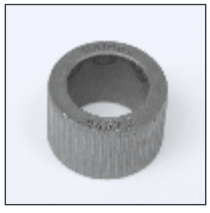

76998


77885


77975


81374


84423


84579


86993


86994


87004


87005


87006


90373


91133

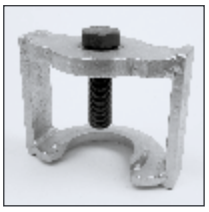
Tool and test equipment

part number	description
76025	peg spanner; for automatic brake adjuster; ø6 mm; for side cover
76035	end load tester; for automatic brake adjuster
78340	AA1 original tool set; for automatic brake adjuster
83165	withdrawing tool; for automatic brake adjuster
83166	spindle; for ABA withdrawing tool (83165)
83167	threaded bush; for ABA withdrawing tool (83165)
84076	repair kit; for ABA withdrawing tool (83165); includes spindle + threaded bush


76025


76035


78340


83165


Haldex
Haldex

AIR DISC BRAKES

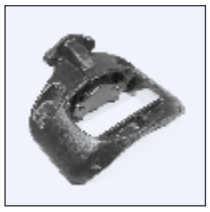
Air disc brakes ModulT	64
Air disc brakes ModulX	65
Pad wear indicators (PWI)	67
Pad wear sensors (PWS)	68
Spares & repair kits	69
Tools & test equipment	70

Air disc brakes ModulT

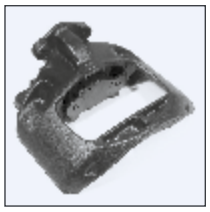
The air disc brakes ModulT consist of a number of variants for various wheel sizes and various applications within the truck, bus and trailer segments. The basic design of the ModulT consists of a single tappet mechanism, a monobloc calliper and two sliding pins. It has been designed to provide high performance coupled with durability, low weight and a minimum number of wearing parts.



part number	application	carrier holes	type	version	pads	note
95446	general	6	DBT22LT	ModulT	with	right side
95447	general	6	DBT22LT	ModulT	with	left side
95620	general	-	DBT22LT	ModulT	without	left side
95621	general	-	DBT22LT	ModulT	without	right side
95620C	general	-	DBT22LT	ModulT	with	left side + repair kit sliding function
95621C	general	-	DBT22LT	ModulT	with	right side left side + repair kit sliding function



95620



95621

Air disc brakes ModulX

Air disc brakes ModulX have a modular design: all versions share key components such as mechanism, casting, sensor, sliding function and spare parts.



part number	application	carrier holes	type	version	pads	note
92200	SAF	6	DB22	ModulX (v6)	without	(2 x 92503, boxed individually)
92201	SMB	4	DB22	ModulX (v6)	without	(2 x 93840, boxed individually)
92202	SMB	6	DB22	ModulX (v6)	without	(2 x 93839, boxed individually)
92203	SAE	6	DB22	ModulX (v6)	without	(2 x 93837, boxed individually)
92502	SAF	6	DB22	ModulX (v6)	with	
92503	SAF	6	DB22	ModulX (v6)	without	
92559	SAF	6	DB19	ModulX (v6)	with	
92560	SAF	6	DB19	ModulX (v6)	without	
92612	general	6	DB22	ModulX (v6)	with	2 mm pitch on carrier
92808	SMB	4	DB22	ModulX (v6)	with	
92812	general	6	DB19	ModulX (v6)	with	
92814	BPW	6	DB19	ModulX (v6)	with	
92824	general	6	DB22LT	ModulX (v6)	with	
92927	Kamaz	6	DB22	ModulX (v6)	with	



92200



92201



92202



92203



92502



92503



92808

part number	application	carrier holes	type	version	pads	note
93694	Gigant	6	DB19	ModulX (v6)	without	
93835	SMB	6	DB22	ModulX (v6)	with	
93836	SAE	6	DB22	ModulX (v6)	with	
93837	SAE	6	DB22	ModulX (v6)	without	
93839	SMB	6	DB22	ModulX (v6)	without	
93840	SMB	4	DB22	ModulX (v6)	without	
93841	Gigant	6	DB22LT	ModulX (v6)	with	
93842	Gigant	6	DB22LT	ModulX (v6)	without	
94605	Volvo/Renault	6	DB19	ModulX (v6)	without	
94728	Gigant	6	DB22LT	ModulX (v6)	without	(2 x 93842, boxed individually)
94769	Gigant	6	DB19	ModulX (v6)	without	


93839


94605

Pad wear indicators (PWI)

Pad wear indicators, for air disc brakes, are mounted on the brake pad retainer.

part number	type	for	spline type	no. of spline teeth	axle	cable (mm)	comment	application
92050	pad wear indicator kit (PWI)	disc brake	-	-	-	195	inc. 91244 + pad retainer bolt	MkIII/IV/ModulX
92051	pad wear indicator kit (PWI)	disc brake	-	-	-	695	inc. 91244 + pad retainer bolt	MkIII/IV/ModulX



92050

Pad wear sensors (PWS)

Pad wear sensors continuously monitor the wear on the brake pads. Used with disc brakes, they are mounted to the caliper.

part number	type	for	comment
94609	pad wear sensor (PWS)	disc brake	3 pin
94610	pad wear sensor (PWS)	disc brake	4 pin


94609

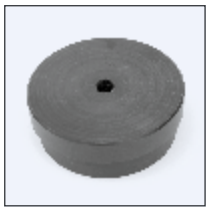

94610

Spares and repair kits

part number	description
81927	vover plate; for disc brake
81928	pressure plug protective bellows; for disc brake
87833	assembly cup protective bellows; for disc brake
89724	brake pad; for disc brake (DB22 MkII + III); 4 pads
89765	brake pad; for disc brake (DB22 MkII + III); 4 pads
89796	brake pad; for disc brake (DB19); 4 pads
90693	adjustment shaft kit; for disc brake (s/n 143...-->; MkIV + ModulX); for pad clearance adjustment
91015	application mechanism assembly; for disc brake (ModulX DB22)
91018	application mechanism assembly; for disc brake (ModulX DB19)
91239	brake pad; for disc brake (DB22 MkII + III); 4 pads
92008	brake pad; for disc brake (DB22 MkIV + ModulX); 4 pads
92009	brake pad; for disc brake (DB22 MkIV + ModulX); 4 pads
92010	brake pad; for disc brake (DB22 MkIV + ModulX); 4 pads
92985	application mechanism assembly; for disc brake (ModulX DB22LT)
92994	brake pad; for disc brake (ModulX DB22LT); 4 pads
93299	repair kit sliding function; for disc brake (ModulX); 4 pieces
93887	brake pad; for disc brake (ModulX DB22LT); 4 pads
94608	brake pad; for disc brake (DB19); 4 pads
94659	brake pad assembly kit; for disc brake (universal)
94660	sliding function sealing kit; for disc brake (ModulX); without slide pins
94661	sliding function sealing kit; for disc brake (MkII + III + IV); without slide pins
94662	application unit sealing kit; for disc brake (Mk IV + Modul X)
94664	thrust plate kit; for disc brake (MkIV + ModulX V5); with Sealing kit
94665	protection spring kit; for disc brake (MkIV + ModulX)
94740	puck kit; for disc brake (DB19); to allow PWS use
95396	brake pad; for disc brake (ModulT); 4 pads
95397	repair kit sliding function; for disc brake (ModulT); with slide pins
95398	adjustment shaft kit; for disc brake (ModulT)
95399	application unit sealing kit; for disc brake (ModulT)
95566	brake pad; for disc brake (ModulX DB19 +MKIV); 4 pads


81927


81928


87833


89724

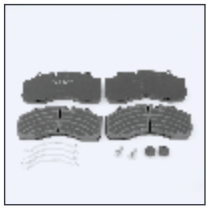

89765


89796


90693


91015


91239


92008


92009


92010

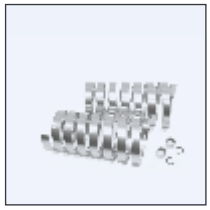

92994


93887


94659


94660


94664


94665

Tools and test equipment

part number	description
81918	repair tool kit; for disc brake (ModulX (Mark II, Marl III, Mark IV)); complete
81921	assembly cone sliding band; for disc brake
95231	repair tool kit; for disc brake (ModulT)


81918


95231



ACTUATORS

Double diaphragm spring brake (DDSB)	74
Piston cylinders	76
Piston spring brake (PSB)	78
Brake chambers	80
Maxi Brake cylinders (KSMR)	83
Control cylinders	85
Air over hydraulic servos	86
Spares & repair kits	87

Double diaphragm spring brake (DDSB)

Double diaphragm cylinders are combined cylinders. The front section is dedicated to the service brake and the rear section to the spring brake. The front section is always a diaphragm type. In the rear section, the powerful spring is compressed during normal vehicle operation (driving). When parked, the pressure holding the spring in position is released. The spring then acts directly on the brake.

part number	type	type	stroke (mm)	push rod (mm)	push rod thread	protection	yoke	side port	mounting thread	breather pipe	max. operating pressure (bar)	application	TÜV Report
1351624004	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0165-0
1351624005	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2	SMB	BC0165-0
1351624006	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2	SMB	BC0165-0
1351624007	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0165-0
1351624008	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0165-0
1351624012	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2	M-B TAS	BC0165-0
1351624013	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2	M-B TAS	BC0165-0
1351624015	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0165-0
1351624016	Blue Seal	16/24	57/57	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0165-0
1352024003	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2	Schmitz	BC0176-0
1352024004	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0176-0
1352024005	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0176-0
1352024006	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0176-0
1352024010	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0176-0
1352024011	Blue Seal	20/24	64/64	15	rounded	internal boot	-	M16x1.5	M16x1.5	without	10.2		BC0176-0
1362030001	Blue Seal	20/30	76/76	246	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		BC0166-0
1362030005	Blue Seal	20/30	76/76	226	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		
1362030006	Blue Seal	20/30	76/76	251	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		
1362430001	Blue Seal	24/30	76/76	246	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		BC0167-0
1362430005	Blue Seal	24/30	76/76	227	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2	SDC	BC0167-0
1362430006	Blue Seal	24/30	76/76	188 (236)	M16x1.5	disc	yes	M16x1.5	M16x1.5	without	10.2	Schmitz	
1362430008	Blue Seal	24/30	76/76	214 (251)	M16x1.5	disc	yes	M16x1.5	M16x1.5	without	10.2		
1362430009	Blue Seal	24/30	76/76	156 (194)	M16x1.5	disc	yes	M16x1.5	M16x1.5	without	10.2		


1351624004


1351624005


1351624006


1351624007


1351624008


1351624008


1362030001


1362430001

Double diaphragm spring brake actuators (DDSB)

part number	type	type	stroke (mm)	push rod (mm)	push rod thread	protection	yoke	side port	mounting thread	breather pipe	max. operating pressure (bar)	application	TÜV Report
1362430010	Blue Seal	24/30	76/76	188 (226)	M16x1.5	disc	yes	M16x1.5	M16x1.5	without	10.2		
1363030001	Blue Seal	30/30	76/76	246	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		BC0168-0
1363030002	Blue Seal	30/30	64/64	188 (227)	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.2		
165018	Anchorlok	24/30	76	251	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.0		BC0113-0
165019	Anchorlok	24/30	64	251	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165020	Anchorlok	30/30	64	281	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165141	Anchorlok	24/24	64	279	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165168	Anchorlok	20/24	57	227	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165169	Anchorlok	24/30	64	225	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165171	Anchorlok	30/30	64	227	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	8.5		
165624	Anchorlok	24/30	76	194	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.0		BC0113-0
165659	Anchorlok	20/30	76	226	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.0		BC0112-0
165663	Anchorlok	24/30	76	226	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.0		BC0113-0
166440	Anchorlok	30/30	64	210 (248)	M16x1.5	wiper	with	M16x1.5	M16x1.5	without	10.0		
346100001	piston spring brake	24/24	75/75	188	M16x1.5	boot	with	M22x1.5	M16x1.5	with	8.0	Evobus	
346100002	piston spring brake	24/24	75/75	188	M16x1.5	boot	with	M22x1.5	M16x1.5	with	8.0	Evobus	
346101001	piston spring brake	27/24	75/75	159	M16x1.5	boot	with	M22x1.5	M16x1.5	with	8.0	Evobus	
346101002	piston spring brake	27/24	75/75	159	M16x1.5	boot	with	M22x1.5	M16x1.5	with	8.0	Evobus	
346140001	Maxi Brake, air spring brake	maxi-1 T30	67/67	203.5	5/8''-18 UNF	without	without	M22x1.5	5/8''-18 UNF	without	8.5		
346184001	double diaphragm spring brake	36/30	75/67	233	M16x1.5	without	with	M16x1.5	M16x1.5	with	8.5		
346185001	double diaphragm spring brake	18/24	57/57	15	rounded	-	-	M16x1.5	M16x1.5	without	8.5		BZ110-0
346186001	double diaphragm spring brake	18/24	64/64	15	rounded	-	-	M16x1.5	M16x1.5	without	8.5		BZ117-0
346187001	double diaphragm spring brake	20/24	64/64	15	rounded	-	-	M16x1.5	M16x1.5	without	8.5		BZ117-0
MA15777	Maxi Brake, air spring brake	maxi-1 T30	2.5''	8.0''	5/8''-18 UNF	without	without	3/8'' NPTF	5/8''-18 UNF	without	125 PSI		



1363030001

Piston cylinders

Piston cylinders are used as service brake cylinders to apply the braking mechanism. A piston replaces the diaphragm, however the function which converts air pressure into a linear movement is the same.

part number	for	piston ø (mm)	stroke (mm)	port	yoke width (mm) boot	boot	bracket hole width (mm)	connection thread	water-proof	length (mm)	note	max. operating pressure (bar)	application
340005001	-	100	135	M22x1.5	14	with	120	-	-	300		8.0	
340008001	-	125	135	M22x1.5	14	with	155	-	-	335		8.0	
340011001	-	140	155	M22x1.5	14	with	175	-	-	355	A 140 DIN 74282	8.0	
340011021	-	140	155	M22x1.5	14	with	175	-	-	355	special version	8.0	
340013001	-	150	155	M22x1.5	14	with	175	-	-	355		8.0	
340026001	-	80	105	M22x1.5	12	with	100	-	-	265		10.0	
340026011	-	80	105	M22x1.5	14	with	100	-	-	265		10.0	
340026501	-	80	105	M22x1.5	12	with	100	-	-	265		10.0	
340026511	-	80	105	M22x1.5	14	with	100	-	-	265		10.0	
340027001	-	80	105	M22x1.5	12	with	100	-	yes	265		8.0	
340027011	-	80	105	M22x1.5	14	with	100	-	-	265		8.0	
340029001	-	65	105	M22x1.5	12	with	85	-	-	253		8.0	
340029011	-	65	105	M22x1.5	14	with	85	-	-	265		8.0	
340029031	-	65	105	M22x1.5	12	with	85	-	-	253		8.0	
340029041	-	65	105	M22x1.5	12	with	85	-	-	253		8.0	
340029501	-	65	105	M22x1.5	12	with	85	-	-	253		8.0	
340029511	-	65	105	M22x1.5	14	with	85	-	-	265		8.0	
340034201	wedge brake	90	32	M16x1.5	-	-	-	1.75''x12UNS	no	156		8.5	Iveco
340034211	wedge brake	90	32	M16x1.5	-	-	-	1.75''x12UNS	no	136		8.5	Iveco
340034701	wedge brake	90	32	M16x1.5	-	-	-	1.75''x12UNS	no	156		8.5	Iveco
340034711	wedge brake	90	32	M16x1.5	-	-	-	1.75''x12UNS	no	136		8.5	Iveco
340035201	wedge brake	100	32	M16x1.5	-	-	-	1.75''x12UNS	no	156		8.5	Iveco
340053001	wedge brake	100	50	M16x1.5	-	-	-	M48x1.5	yes	184		8.5	MAN
340058001	wedge brake	100	50	M16x1.5	-	-	-	1.75''x12UNS	no	167		8.5	Iveco


340005001


340008001


340011001


340011021


340013001


340026001


340026011


340027001


340027011


340029001


340029011


340029031


340029041


340034201


340034211


340035201


340053001


340058001

part number	for	piston ø (mm)	stroke (mm)	port	yoke width (mm) boot	boot	bracket hole width (mm)	connection thread	water-proof	length (mm)	note	max. operating pressure (bar)	application
340076001	-	125	70	M16x1.5	14	with	-	M16x1.5	yes	198	with 2 sides ventilation ports (left port plugged)	10.0	MAN
340076002	-	125	70	M16x1.5	14	with	-	M16x1.5	yes	198	with 2 sides ventilation ports (right port plugged)	10.0	MAN
340076501	-	125	70	M16x1.5	14	with	-	M16x1.5	yes	198	with 2 sides ventilation ports (left port plugged)	10.0	MAN
340076502	-	125	70	M16x1.5	14	with	-	M16x1.5	yes	198	with 2 sides ventilation ports (right port plugged)	10.0	MAN
340079001	-	150	60	M22x1.5	14	with	-	M16x1.5	yes	199	with 2 front ventilation ports (with ports to left, top port plugged)	10.0	MAN
340079002	-	150	60	M22x1.5	14	with	-	M16x1.5	yes	199	with 2 front ventilation ports (with ports to left, bottom port plugged)	10.0	MAN
340079003	-	150	60	M22x1.5	14	with	-	M16x1.5	yes	199	with 2 front ventilation ports (yoke in-line with mounting points)	10.0	MAN


340076001


340079002


340079003

Piston spring brake (PSB)

Piston spring brake actuators are used in trucks and tractors equipped with air brakes. They activate the parking brake.

The pulling force model is often used by locking the extendable section on trailers with a telescopic chassis.

part number	type	piston ø (mm)	stroke (mm)	output no stroke (N)	output full stroke (N)	release pressure (bar)	volume (litres)	manual wind off	locking device	ports	push rod thread	yoke	boot	mounting point width (mm)	length (mm)	stroke indicator	max. operating pressure (bar)
344008051	pull type	100	80	2750	4100	5.3	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008201	pull type	100	80	2000	3000	3.6	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008221	pull type	100	80	2000	3000	3.6	0.63	with	without	M22x1.5 central	M12	without	with	120	484	-	8.0
344008231	pull type	100	80	2750	4100	5.3	0.63	with	without	M22x1.5 central	M12x1.5	without	with	120	484	-	8.0
344008251	pull type	100	80	2750	4100	5.3	0.63	without	without	M16x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008261	pull type	100	80	2500	3300	4.4	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008361	pull type	100	80	880	1270	1.9	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008521	pull type	100	80	2000	3000	3.6	0.63	with	with	M22x1.5 central	M12x1.5	without	with	120	484	-	8.0
344008531	pull type	100	80	2750	4100	5.3	0.63	with	with	M22x1.5 central	M12x1.5	without	with	120	484	-	8.0
344008551	pull type	100	80	2750	4100	5.3	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344008561	pull type	100	80	2500	3300	4.4	0.63	without	without	M22x1.5 central	M16x1.5	without	with	120	366	-	8.0
344010001	pull type	150	70	8093	5886	4.9	1.36	with	without	M16x1.5 central	M14x1.5	without	with	176	461	-	8.0
344017101	pull type	100	80	3100	4800	6.3±0.3	0.63	screwable	with	M22x1.5 central	-	with	with	120	385	-	8.0
344017601	pull type	100	80	3100	4800	6.3±0.3	0.63	screwable	with	M22x1.5 central	-	with	with	120	385	-	8.0
344019101	pull type	100	80	2000	3000	3.6	0.63	without	without	M22x1.5 central + M14x1.5 side	M16x1.5	without	with	120	366	-	8.0
344019151	pull type	100	80	2750	4100	5.3	0.63	without	without	M22x1.5 central + M14x1.5 side	M16x1.5	without	with	120	366	-	8.0
344024001	pull type	100	80	3100	4800	6.3±0.3	0.63	without	with	M16x1.5 central	-	with	with	120	385	-	8.0
344024201	pull type	100	80	3100	4800	6.3±0.3	0.63		with	M16x1.5 central	-	with	with	120	385	-	8.0
344024501	pull type	100	80	3100	4800	6.3±0.3	0.63	without	with	M16x1.5 central	-	with	with	120	385	-	8.0
344024601	pull type	100	80	3100	4800	6.3±0.3	0.63	screwable	with	M16x1.5 central	-	with	with	120	385	-	8.0


344008051


344008201


344008221


344008231


344008251


344008261


344008361


344010001


344019101


344019151


344024001


344025001

Piston spring brake actuators (PSB)

part number	type	piston ø (mm)	stroke (mm)	output no stroke (N)	output full stroke (N)	release pressure (bar)	volume (litres)	manual wind off	locking device	ports	push rod thread	yoke	boot	mounting point width (mm)	length (mm)	stroke indicator	max. operating pressure (bar)
344025001	pull type	100	80	3100	4800	6.3±0.3	0.63	ball locking	with	M16x1.5 central	-	with	with	120	385	-	8.0
344025501	pull type	100	80	3100	4800	6.3±0.3	0.63	ball locking	with	M16x1.5 central	-	with	with	120	385	-	8.0
344026101	pull type	100	80	3100	4800	6.3±0.3	0.63	-	without	M22x1.5 central	M16x1.5	without	with	120	356	-	8.0
344026601	pull type	100	80	3100	4800	6.3±0.3	0.63	-	without	M22x1.5 central	M16x1.5	without	with	120	356	-	8.0
344028001	push type	137	57	4700	7200	5.6±0.3	0.9	without	without	M22x1.5 side	without (ø40)	without	without	120.7	159	without	8.0
344028011	push type	137	57	2300	3400	2.7±0.3	0.9	without	without	M22x1.5 side	without (ø40)	without	without	120.7	159	without	8.0
344028021	push type	137	57	4700	7200	5.6±0.3	0.9	without	with	M22x1.5 side	without (ø40)	without	without	120.7	159	with	8.0
344028031	push type	137	57	2300	3400	2.7±0.3	0.9	without	with	M22x1.5 side	without (ø40)	without	without	120.7	159	with	8.0
344030101	pull type	100	80	3100	4500	6.3±0.3	0.63	screwable	with	M16x1.5 side	-	with	with	120	342	-	8.0
344030601	pull type	100	80	3100	4500	6.3±0.3	0.63	screwable	with	M16x1.5 side	-	with	with	120	342	-	8.0
344032101	pull type	100	80	3100	4500	6.3±0.3	0.63	screwable	with	M16x1.5 side	-	with	with	120	342	-	8.0
344032601	pull type	100	80	3100	4500	6.3±0.3	0.63	screwable	with	M16x1.5 side	-	with	with	120	342	-	8.0
344044001	pull type	100	80	3100	4800	6.3±0.3	0.63	screwable	with	M16x1.5 side	-	with	with	120	417.5	-	8.0
344046001	pull type	100	80	3100	4800	6.3±0.3	0.63	ball locking	with	M16x1.5 side	-	with	with	120	417.5	-	8.0
344047101	pull type	100	80	3100	4800	6.3±0.3	0.63	ball locking	with	M16x1.5 central	-	with	with	120	415	-	8.0
344048101	pull type	100	80	3300	5500	7.3±0.3	0.63	screwable	with	M16x1.5 central	-	with	with	120	415	-	8.0
344050001	pull type	100	80	3300	5500	7.3±0.3	0.63	screwable	with	M16x1.5 central	-	with	with	120	385	-	8.0
344051001	pull type	100	80	3300	5500	7.3±0.3	0.63	screwable	with	M16x1.5 central	-	with	with	120	354	-	8.0


344028001


344028011


344028031


344044001


344050001

Brake chambers

Brake chambers act as a service brake and are characterized by small external dimensions and a low weight.

part number	diaphragm	type	stroke (mm)	push rod (mm)	push rod thread	protection	yoke	central port	side port	screw plug	max. operating pressure (bar)	application	note
120351201AC	single diaphragm	24	80	186	M16x1.5	wiper	with	M16x1.5	M16x1.5	with	10.0		
120357201	single diaphragm	24	80	236	M16x1.5	wiper	with	without	M16x1.5	with	10.0	Schmitz	3.7 kg
120366201	single diaphragm	30	75	187	M16x1.5	disc	without	M16x1.5	M16x1.5		10.0		
120376102	single diaphragm	36	75	192	M16x1.5	boot	without	M16x1.5	M22x1.5	with	10.0		with 2 piece clampband
120454203	single diaphragm	24	80	210	5/8'' UNF	wiper	without	1/4'' NPTF	1/4'' NPTF	without	10.0		
120909301	single diaphragm	9	60	0	M16x1.5		without	without	M16x1.5	without	10.0		
120916309	single diaphragm	16	80	120	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120916310	single diaphragm	16	80	120	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120916311	single diaphragm	16	80	191	M16x1.5	boot	with (short)	M16x1.5	M16x1.5	with	10.0		
120916312	single diaphragm	16	57	15	rounded	boot	without	without	VOSS 230	without	10.0	Daimler Atego Standard	
120916318	single diaphragm	16	80	120	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120916319	single diaphragm	16	80	120	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120920314	single diaphragm	20	80	126	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120920315	single diaphragm	20	80	126	M16x1.5	wiper	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120920334	single diaphragm	20	80	126	M16x1.5	boot	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120920335	single diaphragm	20	80	126	M16x1.5	boot	with (short)	M16x1.5	M16x1.5	with	10.0	Daimler bus	
120924322	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 230	without	10.2	Daimler	
120924323	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 230	without	10.2	Daimler	
120924327	single diaphragm	24	64	15	rounded	boot	without	without	VOSS 230	without	10.2	Daimler	
120924330	single diaphragm	24	80	191	M16x1.5	wiper	without	M16x1.5	M16x1.5	with	10.0		
120927303	single diaphragm	27	80	114	M16x1.5	boot	with (short)	M16x1.5	without	without	10.0	Lucas D3 + ELSA disc Brakes (MAN/ RVI etc.)	
120936301	single diaphragm	36	75	60	M16x1.5	wiper	without	M16x1.5	M22x1.5	with	10.0	Gigant	liftaxle
121140003	double diaphragm	20	75	210	M16x1.5	without	without	M16x1.5	M16x1.5	without	8.0		
121150003	double diaphragm	24	75	210	M16x1.5	without	without	M16x1.5	M16x1.5	without	8.0		


120376102


120454203


120916309


120916311


120916312


120916318


120920314


120920315


120920334


120920335


120924323


120924330


120927303


121140003


121150003


121254003

part number	diaphragm	type	stroke (mm)	push rod (mm)	push rod thread	protection	yoke	central port	side port	screw plug	max. operating pressure (bar)	application	note
121254003	double diaphragm	24	75	210	5/8'' UNF	without	without	1/4'' NPTF	1/4'' NPTF	without	8.0		
123090001	single diaphragm	9	60	185	M16x1.5	shield	without	without	M16x1.5	without	10.0		
123120002	single diaphragm	12	60	186	M16x1.5	boot	without	M16x1.5	M16x1.5	with	10.0		
123160001	single diaphragm	16	80	186	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123160002	single diaphragm	16	80	186	M16x1.5	boot	without	M16x1.5	M16x1.5	with	10.0		
123200001	single diaphragm	20	76	186	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123200002	single diaphragm	20	76	186	M16x1.5	boot	without	M16x1.5	M16x1.5	with	10.0		
123200003	single diaphragm	20	76	210	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123240001	single diaphragm	24	80	186	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123240002	single diaphragm	24	80	186	M16x1.5	boot	without	M16x1.5	M16x1.5	with	10.0		
123240003	single diaphragm	24	80	210	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123240004	single diaphragm	24	80	148	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123300001	single diaphragm	30	80	186	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
123300002	single diaphragm	30	80	186	M16x1.5	boot	without	M16x1.5	M16x1.5	with	10.0		
123300003	single diaphragm	30	80	210	M16x1.5	shield	without	M16x1.5	M16x1.5	with	10.0		
125160001	single diaphragm	16	57	15	rounded	boot	without	M16x1.5	M16x1.5	without	10.0		
125160002	single diaphragm	16	57	15	rounded	boot	without	without	M16x1.5	without	10.0		
125160005	single diaphragm	16	57	15	rounded	boot	without	without	M16x1.5	without	10.0		
125160009	single diaphragm	16	57	15	rounded	boot	without	without	M16x1.5	without	10.0	Schmitz	2.93 kg
125160010	single diaphragm	16	57	15	rounded	boot	without	M16x1.5	without	without	10.0		2.93 kg
125160400	single diaphragm	16	57	15	rounded	boot	without	without	VOSS 232	without	10.2	Daimler	
125200001	single diaphragm	20	64	15	rounded	boot	without	M16x1.5	M16x1.5	without	10.0		
125200002	single diaphragm	20	64	15	rounded	boot	without	M16x1.5	M16x	without	10.0	Samro	3.3 kg
125200003	single diaphragm	20	64	15	rounded	boot	without	without	M16x1.5	with	10.0	Schmitz	3.3 kg
125200405	single diaphragm	20	61	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	
125200406	single diaphragm	20	61	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	


123240002

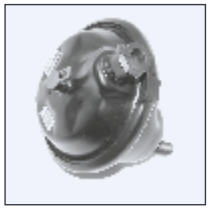

123300003


125160001


125160400


125200001


125200405


125200406

part number	diaphragm	type	stroke (mm)	push rod (mm)	push rod thread	protection	yoke	central port	side port	screw plug	max. operating pressure (bar)	application	note
125200407	single diaphragm	20	64	15	rounded	boot	without	without	VOSS Contour	without	10.2	Daimler	
125200408	single diaphragm	20	64	15	rounded	boot	without	without	VOSS Contour	without	10.2	Daimler	
125240001	single diaphragm	24	64	15	rounded	boot	without	M16x1.5	M16x1.5	without	10.0		
125240400	single diaphragm	24	64	15	rounded	boot	without	without	VOSS 232	without	10.2	Daimler	
125240401	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	
125240402	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	
125240403	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	
125240404	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	
125240405	single diaphragm	24	60	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	other hand of 125240406
125240406	single diaphragm	24	60	15	rounded	boot	without	M12x1.5	VOSS 232	without	10.2	Daimler	other hand of 125240405
125240407	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS Contour	without	10.2	Daimler	
125240408	single diaphragm	24	64	15	rounded	boot	without	M12x1.5	VOSS Contour	without	10.2	Daimler	
345019002	single diaphragm	24	57	37	-	boot	with (short)	without	M16x1.5	without	10.0		
345020002	single diaphragm	20	57	37	-	boot	with (short)	without	M16x1.5	without	10.0		
345228158	single diaphragm	16	80	135	M16x1.5	boot	with (short)	M16x1.5	M16x1.5	with	8.0		


125240001


125240401


125240402


125240403


125240404


125240405


345019002


345020002


345228158

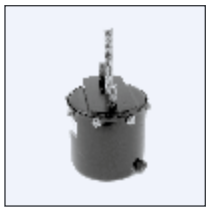
Maxi Brake cylinders (KSMR)

Maxi Brake cylinders are used as parking brakes in special vehicles.

part number	type	piston ø (mm)	stroke (mm)	output no stroke (N)	output full stroke (N)	release pressure (bar)	volume (litres)	manual wind off	locking device	ports	push rod thread	yoke	boot	mounting point width (mm)	length (mm)	stroke indicator	max. operating pressure (bar)
KSH202C	Maxi Brake H-series	133.3	50	1520	4448	5.86	0.786	without	without	3/8'' NPT side	wedge type	without	without	-	330.2	without	125 PSI
KSM2060GC800NN	Maxi Brake	159	57	7896	5714	5.0	1.23	without	without	3/8 NPT	5/8-18	without	without	120	214.3	without	8.6
KSM2475GCS47001	Maxi Brake	159	57	10142	6269	6.3	1.28	without	without	1/4 NPT	5/8-18	with	without	120	212.9	without	8.6
KSM2475GCS4700-1	Maxi Brake	159	57	10142	6269	6.3	1.28	without	without	1/4 NPT	5/8-18	with	without	120	212.9	without	8.6
KSM2475JCS45384	Maxi Brake	159	57	10142	6269	6.3	1.28	without	without	M16x1.5	5/8-18	without	without	120	212.9	without	8.6
KSM2475JCS47017	Maxi Brake	159	57	10142	6269	6.3	1.28	without	without	1/4 NPT	5/8-18	without	without	120	212.9	without	8.6
KSM2475KC-800NN	Maxi Brake	159	57	10142	6269	6.3	1.28	without	without	3/8 NPT	5/8-18	without	without	120	212.9	without	8.6
KSM3075JCS46110	Maxi Brake	159	67	10142	5632	6.3	1.44	without	without	M16x1.5	5/8-18	without	without	120	233.9	without	8.6
KSM3675GC-800YN	Maxi Brake	159	76	10142	4978	6.3	1.56	without	without	3/8 NPT	5/8-18	with	without	120	257.0	without	8.6
KSMR0PH50-800NN	Maxi Brake	159	35	5542	3959	3.65	.82	without	without	1/4 NPT	5/8-18	without	without	120	127.0	without	8.6
KSMR1PH50-800NN	Maxi Brake	159	57	5542	2960	3.65	1.23	without	without	1/4 NPT	5/8-18	without	without	120	149.4	without	8.6
KSMR1PH50S50058	Maxi Brake R-series push	-	60.2	5340	2200	3.6	1.2	without	without	M22x1.5	5/8-18	without	with	120	194	-	8.6
KSMR1PH60-800N	Maxi Brake	159	57	7411	5229	4.34	1.23	without	without	1/4 NPT	5/8-18	without	without	120	149.4	without	8.6
KSMR1PH60S50110	Maxi Brake	159	57	7411	5229	4.34	1.23	without	without	M22x1.5	5/8-18	without	with	120	149.4	without	8.6
KSMR1PH75-800NN	Maxi Brake	159	57	9283	5410	5.93	1.23	without	without	1/4 NPT	5/8-18	without	without	120	149.4	without	8.6
KSMR1PT40-800NN	Maxi Brake	159	57	4893	2691	2.76	1.43	without	without	1/4 NPT	5/8-18	without	without	120	149.1	without	8.6
KSMR1PT40H50034	Maxi Brake	159	57	4893	2691	2.76	1.43	without	without	3/8-16 o-ring	5/8-18	with	without	120	149.1	without	8.6
KSMR2PHS40-362WN	Maxi Brake	159	67	4431	2329	2.90	1.56	without	without	1/4 NPT	5/8-18	without	without	120	158.5	without	8.6
KSMR2PHS50-800NN	Maxi Brake R-series pull	-	66	2670	6000	4	1.5	without	without	1/4 NPT	5/8-18	without	without	120	406.2	-	8.6
KSMR2PT50S45958	Maxi Brake	159	67	6116	3109	3.79	1.62	without	without	1/4 NPT	5/8-18	without	without	120	158.5	without	8.6
KSMR2PT75-1000NN	Maxi Brake R-series pull	-	66.5	5560	10230	6	1.6	without	without	1/4 NPT	5/8-18	without	without	120	412	-	8.6
KSMR3PH50-800NN	Maxi Brake R-series push	165.1	76	6005	2669			without	without	1/4 NPT	5/8-18	without	without	120		-	



KSMR1PH75-800NN



KSM-R3PH75-800NN

part number	type	piston ø (mm)	stroke (mm)	output no stroke (N)	output full stroke (N)	release pressure (bar)	volume (litres)	manual wind off	locking device	ports	push rod thread	yoke	boot	mounting point width (mm)	length (mm)	stroke indicator	max. operating pressure (bar)
KSMR3PH60S	Maxi Brake R-series push	-	76.2	7340	4450	4.3	1.6	without	without	1/4 NPT	5/8-18	without	without	120	-	-	8.6
KSMR3PH75-800NN	Maxi Brake R-series push	165.1	76	6005	2669		1.80	without	without	1/4 NPT	5/8-18	without	without	120	168.1	without	8.6
KSMR3PT75-800NN	Maxi Brake R-series push	159	76	10142	4978	6.00	1.80	without	without	1/4 NPT	5/8-18	without	without	120	168.1	without	8.6
MA15656	Maxi Brake R-series pull	159	57	7886	5714	4.76	1.43	without	without	1/4 NPT	5/8-18	without	without	120	149.1	without	8.6
MA15690	Maxi Brake	203	102	18415	8890	6.62	3.29	with	with	3/8 NPT	3/4-16	without	without	120	392.9	without	10.34
MA15691	Maxi Brake	203	102	18415	889	6.62	3.29	with	with	3/8 NPT	3/4-16	without	without	120	392.9	without	10.34

Control cylinders

Control cylinders are often used for engine brakes, or to close exhaust valves. They can also be used for other control functions.

part number	piston ø (mm)	stroke (mm)	initial force @ 6 bar (N)	final force @ 6 bar (N)	port	boot	length (mm)	max. operating pressure (bar)	note
341004011	35	85	410	220	M12x1.5	with	228	8	universal version
341011021	35	50	340	240	M12x1.5	without	193	8	
341032011	35	35	287	284	M12x1.5	with	132	8	


341004011


341011021


341032011

Air over hydraulic servos

Air over hydraulic servos are used to actuate the hydraulic master cylinder. They pressurise the hydraulic section for the various brake cylinder receptors.

part number	piston/diaphragm	type	piston ø (mm)	stroke (mm)	fixing support	waterproof	application	max. operating pressure (bar)
343001001	piston type	-	65	30	with	-		7.5
343031061	piston type	-	125	75	with	-		8
343031062	piston type	-	125	75	with	-		8
343031561	piston type	-	125	75	with	-		8
343031562	piston type	-	125	75	with	-		8
343101001	diaphragm type	12	-	33	-	yes	Daimler	10
343102001	diaphragm type	12	-	33	-	no	Daimler	10
343200001	diaphragm type	14	-	63	-	yes	Daimler	10
343201001	diaphragm type	14	-	63	-	no	Daimler	10
343251001	diaphragm type	16	-	63	-	no	Daimler	10
343252001	diaphragm type	16	-	63	-	yes	Daimler	10
343314001	diaphragm type	20	-	75	-	yes	Daimler	10
343315001	diaphragm type	20	-	75	-	no	Daimler	10
343410501	diaphragm type	24	-	75	-	no	Daimler	10
343411001	diaphragm type	24	-	75	-	no		10
343411501	diaphragm type	24	-	75	-	no		10


343001001


343031061


343101001


343102001


343251001


343315001


343411001

Spares and repair kits

part number	description
003033609	yoke; ø14mm; M16x1.5; deep throat; pressed
003402009	bracket; (340008…)ø129mm
003402109	bracket; for piston cylinder (340005.../ 3410.....); ø104mm
003561409	yoke; ø14mm; M16x1.5; standard throat; forged
003567809	yoke; forged
003567909	yoke
003568009	yoke; forged
003568309	yoke
003612409	yoke; (for 344004001/344048101)
003613409	yoke; for spring brake (344 xxx xxx)
003616409	yoke; ø14mm; M16x1.5; standard throat; pressed
0120540090	clevis pin; for yoke; ø14mm; length: 40 mm; 1 hole
016197809	yoke; forged
016278909	yoke; ø14mm; M16x1.5; forged
016309709	yoke
016382609	yoke; (for 340079…)
021006509	compression spring
021015109	compression spring
021017109	compression spring
021021419	compression spring
021040909	compression spring
021051809	compression spring
0220015090	diaphragm; type 24; auxiliary; long stroke
0220037090	diaphragm; type 30; auxiliary; long stroke
022007609	compression spring; for air over hydraulic servo (343001001)
022017009	compression spring
022020609	compression spring; for brake chamber
022020909	compression spring; for brake chamber (type 16/20/24/30)
023000109	gasket; for piston cylinder
024001709	o-ring; for clutch servo
024002709	o-ring
024009109	o-ring; for clutch servo


003033609


003402109


003561409


003567809

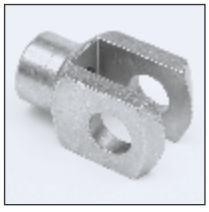

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003568009


003568309

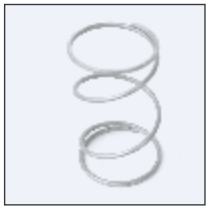

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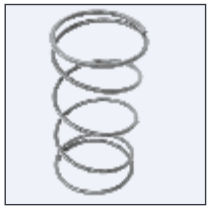

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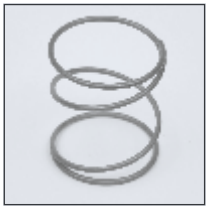

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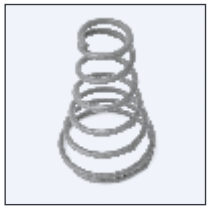

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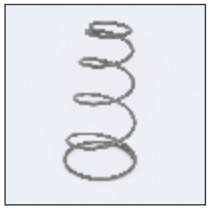

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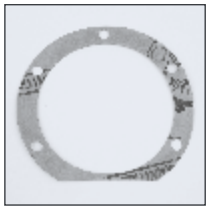

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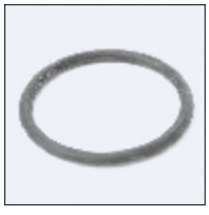

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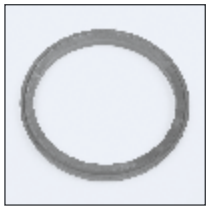

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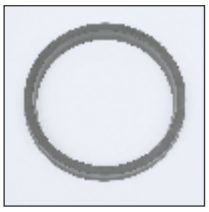

024002709


024009109

part number	description
024011609	washer; watertight; nut seal
024026509	washer; watertight; nut seal
024026609	washer; for air over hydraulic servo (343021...); watertight; nut seal
024026909	washer; watertight; nut seal
024031109	washer; watertight; nut seal
024040109	washer; watertight; nut seal
024040209	o-ring
024043109	o-ring
024052809	washer; watertight
025009109	dust cover
025011809	diaphragm
025012009	boot
025013409	guide ring
025015519	boot
025015629	boot; for spring brake actuator, pull type (344008.../ 344019...)
025015719	boot
025015819	boot
025034009	boot
025035209	oil ring; blue
025038209	diaphragm; type 20; service; standard stroke
025040709	diaphragm; type 16; service; long stroke
025040809	diaphragm; type 20; service; long stroke
025040909	diaphragm; type 24; service; long stroke
025044719	boot
025045409	diaphragm; type 12; service; standard stroke

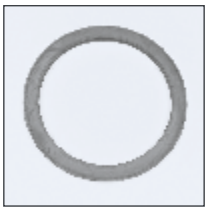

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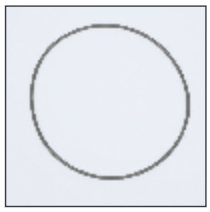

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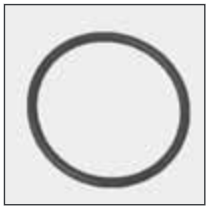

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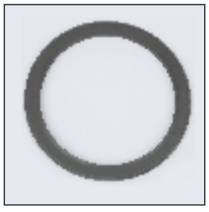

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024031109


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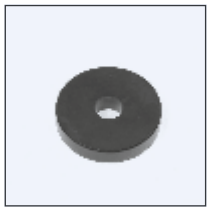

024043109


024052809


025009109


025011809


025012009


025013409


025015519


025015629


025015719


025015819


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025035209


025038209


025040709


025040809


025040909


025045409

part number	description
025046909	boot
025050809	diaphragm; type 27; service; long stroke
025052819	boot
025056409	boot; groove sealing
027020909	guide ring
029006009	filter
049000809	yoke; for piston cylinder
057012109	clevis pin; for yoke; ø14mm; length: 45mm; 2 hole
057012209	clevis pin; for yoke; ø14mm; length: 50mm; 2 hole
057029809	clevis pin; for yoke; ø14mm; length: 31mm; 1 hole
124100121	yoke; ø1/2''; M16x1.5; standard throat; forged
378731	gasket; copper; ID: 1/2''
42593163	air connection; for brake chamber; 2x M16
950340002	repair kit; for piston cylinder (340005.../ 340007...)
950340003	repair kit; for piston cylinder (340008...)
950340004	repair kit; for piston cylinder (340011...)
950340006	repair kit; for piston cylinder (340029...)
950340009	repair kit; for wedge brake piston cylinder (340035...)
950340010	repair kit; for wedge brake piston cylinder (340034.../ 340044...)
950340013	repair kit; for wedge brake piston cylinder (340053...)
950340014	repair kit; for wedge brake piston cylinder (340056...)
950340016	repair kit; for piston cylinder (340080001)
950340017	repair kit; for piston cylinder (340079...)
950343002	repair kit; for air over hydraulic servo (343019...)

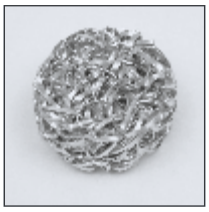

025046909

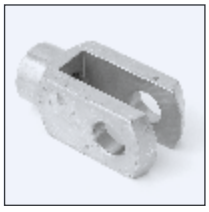

025050809


025052819


025056409


027020909


029006009

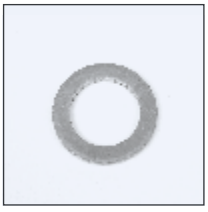

049000809


057012109


057012209


057029809.


124100121


378731


42593163


950340002


950340003


950340004


950340006


950340009


950340010


950340013


950340014


950340016


950340017


950343002

part number	description
950343006	repair kit; for air over hydraulic servo (343315001)
950344003	repair kit; for spring brake actuator, pull type (344016.../ 344024.../ 344047...)
950344004	repair kit; for spring brake actuator, pull type (344017.../ 344025...)
950344005	repair kit; for spring brake actuator, pull type (344026...)
950344006	repair kit; for spring brake actuator, pull type (344008.../ 344019...)
950344010	repair kit; for spring brake actuator, pull type (344044...)
950344011	repair kit; for spring brake actuator, pull type (344044...)
950346014	repair kit; for piston spring brake (346101001)
AC17463	return spring outer; for brake chamber (type 20)
CF1	clevis assy; for air brake
CF2	clevis assy; for air brake
CF5	clevis; for air brake
DP12	diaphragm; type 12; service; standard stroke
DP24L	diaphragm
DP30	diaphragm; (type 30)
DP36	diaphragm; for Gold Seal and Life Seal Actuators (type 36)
KSM4031334	repair kit; for Maxi Brake (KSMR...../ MA156..); with boot
M4031002	compression spring; for Maxi Brake (I + R series); #75; for types 20, 24, 30, 36
M4031076	plug; for Maxi Brake (KSMR...../ MA156..); to plug drain hole
M4031161	bushing; for Maxi Brake (R series)
M4031173	ring, felt; for Maxi Brake (R series)
M4031333	boot assy (vented); for Maxi Brake (KSM...)
M4031334	boot kit; for Maxi Brake (KSM...)
M4036048	yoke; for Maxi Brake (KSMR...../ MA156..); 5/8'' UNF; 5/8'' UNF; standard throat; forged
M4036049	clevis assy; for Maxi Brake (KSM...)
M4036073	push rod
M4040118	dust boot accessory kit; for Maxi Brake (KSM...)
M4041239	cap plug kit; for Maxi Brake; with 8 cap plugs
M4740432	cylinder; for Maxi Brake (Camtite Series); for type 36
M5040557	o-ring; for piston spring brake (type 50)
RN21AD	repair kit; for for Maxi Brake I and R series
RN21AE	repair kit; for for Maxi Brake
RN21AF	repair kit; for Maxi Brake (T50)
RS5	conical spring
RT1	release tool assembly
RTP1	release tool plug


950343006


950344003


950344004


950344005


950344006


340026001


950344010


950346014


CF5


KSM4031334


M4031076


M4041239



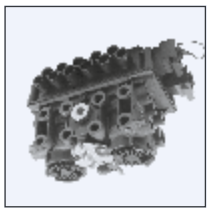
EBS

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EB+ Gen3

EB+ Gen3 is the third generation of Haldex electronic braking systems for trailers. An extended operating range makes EB+ Gen3 more universal than ever. The previous 24 V system now ranges from 8 to 32 V and thereby offers a 12 V system for special applications.

part number	type	sensor	DCV	QRV	Stability	Super Aux	aux.	Note	Fitting
950823008	2M	2S or 4S	with	with	with	with	5		without
950823031	3M	2S or 4S	with	with	with	with	5 Premium	master+slave+cable	without
950823034	2M or 3M	2S or 4S	with	with	with	with	5 Premium	Premium	without



950823008



950823034

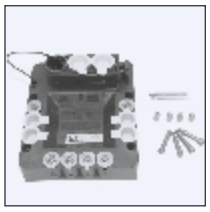
Electronic control units (ECU)

The electronic control unit is the brain of the EBS. The latest generation of ECU for EB+ controls functions such as vehicle Stability, diagnostics, braking correction, axle load or pressure at test points.

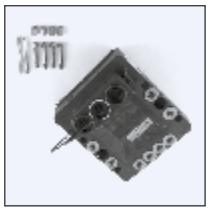
Operating temperature: -40°C +70°C

part number	system	for exciter teeth	voltage	no. of sensors	valve	COLAS compatible	note
950800201	EBS EB+ Gen1	100	24V	2/4	EPRV x 1/2	yes	5 Aux
950800202	EBS EB+ Gen1	100	24V	4	EPRV x 3	yes	3M master (2M); 5 Aux
950800203	EBS EB+ Gen1	100	24V	4		yes	3M slave (1M)
950800204	EBS EB+ Gen1	100	24V	4	EPRV x 2	yes	5 Aux - with roll-over protection


950800201


950800202


950800203


950800204

Modulator relay valves (MRV)

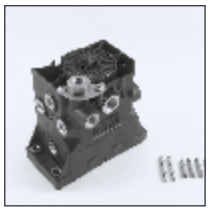
Modulator relay valves control the air supply to the brake. If a wheel lock is detected, the ECU controls the valve to prevent it. The MRV can be integrated within other valves which combine other functions.

part number	type	for	solenoid	no. of delivery ports	reservoir port (1) thread	delivery port (2) thread	control port (4) thread	voltage	system	ADR version	note
813002302	EPRV	EBS EB+	integrated	6	M22	M16x6	M16	24V	2M	yes	
813003302	EPRV	EBS EB+	integrated	3	M22	M16x3	M16	24V	1M	yes	can be used as master in 2M system
813004302	EPRV	EBS EB+	integrated	6	M22	M16x6	M16	24V	2M	yes	integrated double check valve
813005302	EPRV	EBS EB+	integrated	3	M22	M16x3	M16	24V	1M	yes	integrated double check valve
950800302	EPRV	EBS EB+	integrated	6	M22	M16	M16	24V	2M	yes	can be used as master in 3M system
950800303	EPRV	EBS EB+	integrated	6	M22	M16	M16	24V	1M	yes	
950800304	EPRV Slave	EBS EB+	integrated	6	M22	M16	M16	24V	1M (slave for 3M system)	yes	
950800305	EPRV	EBS EB+	integrated	6	M22	M16	M16	24V	2M	yes	integrated double check valve
950800306	EPRV	EBS EB+	integrated	6	M22	M16	M16	24V	1M	yes	integrated double check valve


950800302


950800304


950800305


950800306

Cables, looms, plugs and sockets

Cables, looms, plugs and sockets for EBS (including extension cables, diagnostic cables, power cables etc.)

part number	type	for	system	system configuration	length (m)	colour	material	including	fuse	sensor cables (m)	COLAS cable	note	voltage
814001302	cable	auxiliary connection	EBS EB+	-	7.0	-	PVC		-	-	-	for COLAS/ILAS-E; DIN 72585	24V
814001312	cable	auxiliary connection	EBS EB+	-	18.0	-	PVC		-	-	-	for COLAS/ILAS-E; DIN 72585	24V
814001322	cable	auxiliary connection	EBS EB+	-	2.0	-	PVC		-	-	-	for COLAS/ILAS-E; DIN 72585	24V
814001332	cable	auxiliary connection	EBS EB+	-	4.0	-	PVC		-	-	-	for COLAS/ILAS-E; DIN 72585	24V
814001342	cable	auxiliary connection	EBS EB+	-	1.0	-	PVC		-	-	-	for COLAS/ILAS-E; DIN 72585	24V
814001352	cable	auxiliary connection	EBS EB+	-	12.0	-	PVC		-	-	-	-	
814001502	cable	REV pressure switch	EBS EB+	-	10.0	-	PVC		-	-	-		24V
814001511	cable	REV pressure switch	EBS EB+	-	2.0	-	PUR		-	-	-		24V
814001512	cable	REV pressure switch	EBS EB+	-	2.0	-	PVC		-	-	-		24V
814001521	cable	REV pressure switch	EBS EB+	-	0.75	-	PUR		-	-	-		24V
814001522	cable	REV pressure switch	EBS EB+	-	0.75	-	PVC		-	-	-		24V
814001531	cable	REV pressure switch	EBS EB+	-	3.0	-	PUR		-	-	-		24V
814001532	cable	REV pressure switch	EBS EB+	-	3.0	-	PVC		-	-	-		24V
814001542	cable	REV pressure switch	EBS EB+	-	5.0	-	PVC		-	-	-		24V
814001552	cable	REV pressure switch	EBS EB+	-	8.0	-	PVC		-	-	-		24V
814002202	cable	power ISO 1185 (24N)	EBS EB+	-	12.0	white	PVC		-	-	-		24V
814002212	cable	power ISO 1185 (24N)	EBS EB+	-	16.0	black	PVC		-	-	-		24V
814002222	cable	power ISO 1185 (24N)	EBS EB+	-	6.0	yellow	PVC		-	-	-		24V
814002232	cable	power ISO 1185 (24N)	EBS EB+	-	4.0	yellow	PVC		-	-	-		24V
814002242	cable	power ISO 1185 (24N)	EBS EB+	-	9.0	yellow	PVC		-	-	-		24V
814002301	cable	Super Aux	EBS EB+	-	6.0	black	PVC		-	-	-	6 pin	-
814002311	cable	Super Aux	EBS EB+	-	12.0	black	PVC		-	-	-	6 pin	-
814002321	cable	Super Aux	EBS EB+	-	9.0	black	PVC		-	-	-	6 pin	-
814003102	cable + socket	power ISO 7638	EBS EB+	-	12.0	blue	PVC	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V


814001511


814001521


814001522


814001531


814001542

part number	type	for	system	system configuration	length (m)	colour	material	including	fuse	sensor cables (m)	COLAS cable	note	voltage
814003112	cable + socket	power ISO 7638	EBS EB+	-	16.0	blue	PVC	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V
814003122	cable + socket	power ISO 7638	EBS EB+	-	18.0	blue	PUR	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V
814003132	cable + socket	power ISO 7638	EBS EB+	-	9.0	blue	PVC	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V
814003142	cable + socket	power ISO 7638	EBS EB+	-	14.0	blue	PVC	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V
814003152	cable + socket	power ISO 7638	EBS EB+	-	6.0	blue	PUR	pins x 7 + CAN bus ISO 11993	unfused	-	-		24V
814004102	cable + plug	power ISO 7638	EBS EB+	-	9.0	blue	PVC	pins x 7 + CAN bus ISO 11993	-	-	-		24V
814004112	cable + plug	power ISO 7638	EBS EB+	-	12.0	blue	PVC	pins x 7 + CAN bus ISO 11993	-	-	-		24V
814004122	cable + plug	power ISO 7638	EBS EB+	-	15.0	blue	PVC	pins x 7 + CAN bus ISO 11992	-	-	-		24V
814004461	cable	sensor extension	EBS EB+	-	12.0	black	PUR		-	-	-		-
814004471	cable	sensor extension	EBS EB+	-	4.0	black	PVC		-	-	-		-
814006101	socket	power ISO 7638	EBS EB+	-	26.0	black	PUR	pins x 5	unfused	-	-	without CAN bus ISO 11992	24V
814006102	socket	power ISO 7638	EBS EB+	-	26.0	black	PVC	pins x 5	unfused	-	-	without CAN bus	24V
814006301	cable	telematic	EBS EB+	-	1.0	green	PVC	-	-	-	-	DIN 72585	-
814006311	cable	telematic	EBS EB+	-	12.0	green	PVC	-	-	-	-	DIN 72585	-
814012201	cable	auxiliary connection	EBS EB+	-	7.0	-	PVC	pins x 3	-	-	-	DIN 72585	-
814012211	cable	auxiliary connection	EBS EB+	-	18.0	-	PVC	pins x 3	-	-	-	DIN 72585	-
814012221	cable	auxiliary connection	EBS EB+	-	1.0	-	PVC	pins x 3	-	-	-	DIN 72585	-
814012231	cable	auxiliary connection	EBS EB+	-	2.0	-	PVC	pins x 3	-	-	-	DIN 72585	-
814012241	cable	auxiliary connection	EBS EB+	-	5.0	-	PVC	pins x 3	-	-	-	DIN 72585	-
814033001	socket	power ISO 7638	EBS EB+	-	1	black	-	pins x 5	-	-	-	with CAN bus ISO 11992	24V
814033011	socket	power ISO 7638	EBS EB+	-	12	black	-	pins x 5	-	-	-	with CAN bus ISO 11992	24V



814033001

part number	type	for	system	system configuration	length (m)	colour	material	including	fuse	sensor cables (m)	COLAS cable	note	voltage
814041001	cable	EB+ 3M link	EBS EB+	-	12	yellow	-		-	-	-	for Gen3	-
814041011	cable	EB+ 3M link	EBS EB+	-	2	yellow	-		-	-	-	for Gen3	-
814041021	cable	EB+ 3M link	EBS EB+	-	5	yellow	-		-	-	-	for Gen3	-
814041031	cable	EB+ 3M link	EBS EB+	-	14	yellow	-		-	-	-	for Gen3	-
814041041	cable	EB+ 3M link	EBS EB+	-	10	yellow	-		-	-	-	for Gen3	-
814041051	cable	EB+ 3M link	EBS EB+	-	8	yellow	-		-	-	-	for Gen3	-
950800401	cable + socket	power ISO 7638	EBS EB+	-	12.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800402	cable + socket	power ISO 7638	EBS EB+	-	16.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800403	cable + socket	power ISO 7638	EBS EB+	-	18.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800404	cable + socket	power ISO 7638	EBS EB+	-	9.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800405	cable + socket	power ISO 7638	EBS EB+	-	14.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800406	cable + socket	power ISO 7638	EBS EB+	-	6.0	blue	PUR	pins x 7 + CAN bus ISO 11992	unfused	-	-		24V
950800411	cable + plug	power ISO 7638	EBS EB+	-	9.0	blue	PUR	pins x 7 + CAN bus ISO 11992	-	-	-		24V
950800412	cable + plug	power ISO 7638	EBS EB+	-	12.0	blue	PUR	pins x 7 + CAN bus ISO 11992	-	-	-		24V
950800421	cable	power ISO 1185 (24N)	EBS EB+	-	12.0	yellow	PUR		-	-	-		24V
950800422	cable	power ISO 1185 (24N)	EBS EB+	-	6.0	yellow	PUR		-	-	-		24V
950800423	cable	power ISO 1185 (24N)	EBS EB+	-	16.0	yellow	PUR		-	-	-		24V
950800424	cable	power ISO 1185 (24N)	EBS EB+	-	4.0	yellow	PUR		-	-	-		24V
950800431	cable	CAN bus (auxiliary)	EBS EB+	-	7.0	-	PUR		-	-	-		24V
950800432	cable	CAN bus (auxiliary)	EBS EB+	-	18.0	-	PUR		-	-	-		24V
950800433	cable	CAN bus (auxiliary)	EBS EB+	-	2.0	-	PUR		-	-	-		24V
950800434	cable	CAN bus (auxiliary)	EBS EB+	-	4.0	-	PUR		-	-	-		24V
950800441	cable	sensor extension	EBS EB+	-	3.0	-	PUR		-	-	-		24V
950800442	cable	sensor extension	EBS EB+	-	2.0	-	PUR		-	-	-		24V
950800443	cable	sensor extension	EBS EB+	-	6.0	-	PUR		-	-	-		24V


814041021


950800401_a


950800402


950800403


950800421


950800431_a


950800443_a

part number	type	for	system	system configuration	length (m)	colour	material	including	fuse	sensor cables (m)	COLAS cable	note	voltage
950800444	cable	sensor extension	EBS EB+	-	10.0	-	PUR		-	-	-		24V
950800445	cable	sensor extension	EBS EB+	-	14.0	-	PUR		-	-	-		24V
950800446	cable	sensor extension	EBS EB+	-	8.0	-	PUR		-	-	-		24V
950800447	cable	sensor extension	EBS EB+	-	12.0	-	PUR		-	-	-		24V
950800451	cable	REV pressure switch	EBS EB+	-	10.0	-	PUR		-	-	-		24V
950800452	cable	REV pressure switch	EBS EB+	-	2.0	-	PUR		-	-	-		24V
950800453	cable	REV pressure switch	EBS EB+	-	0.75	-	PUR		-	-	-		24V
950800454	cable	REV pressure switch	EBS EB+	-	3.0	-	PUR		-	-	-		24V
950800455	cable	REV pressure switch	EBS EB+	-	5.0	-	PUR		-	-	-		24V
950800456	cable	REV pressure switch	EBS EB+	-	8.0	-	PUR		-	-	-		24V
950800471	cable	EB+ 3M link	EBS EB+	-	12.0	white	PUR		-	-	-	(power B - power B link)	-
950800472	cable	EB+ 3M link	EBS EB+	-	2.0	orange	PUR		-	-	-	(power B - power B link)	-
950800473	cable	EB+ 3M link	EBS EB+	-	5.0	light beige	PUR		-	-	-	(power B - power B link)	-
950800475	cable	EB+ 3M link	EBS EB+	-	10.0	purple	PUR		-	-	-	(power B - power B link)	-
950800476	cable	EB+ 3M link	EBS EB+	-	8.0	green	PUR		-	-	-	(power B - power B link)	-
950800481	cable	auxiliary connection	EBS EB+	-	7.0	-	PUR		-	-	-	for COLAS/ILAS-E; DIN 72585	-
950800483	cable	auxiliary connection	EBS EB+	-	1.0	-	PUR		-	-	-	for COLAS/ILAS-E; DIN 72585	-
950800484	cable	auxiliary connection	EBS EB+	-	2.0	-	PUR		-	-	-	for COLAS/ILAS-E; DIN 72585	-
950800485	cable	auxiliary connection	EBS EB+	-	5.0	-	PUR		-	-	-	for COLAS/ILAS-E; DIN 72585	-
814012261	cable	height sensor	EBS EB+	-	4							DIN 72585	
814012251	cable	height sensor	EBS EB+	-	3							DIN 72585	
815020001	cable	traction assist interface	EBS EB+	-									
814001562	cable	REV pressure switch	EBS EB+	-	26								
814004311	cable	Super Aux	EBS EB+	-	9								
814009301	cable	auxiliary connection	EBS EB+	-	7							for COLAS/ILAS-E; DIN 72585	



950800444



950800451_a



950800452



950800455_a



950800484

Info Centre

The Info Centre is a trailer diagnostic unit used for readout of odometer and diagnostic codes, and all other information available from the EB+ ECU.

part number	for	cable (m)	cable material	ADR	note	type
814019001	EBS EB+	6.5	PVC	-	Info Centre 2	cable for Info Centre 2
814019021	EBS EB+	8.0	PVC	-	Info Centre 2	cable for Info Centre 2
814025001	EBS EB+	1.0	PVC	-	Info Centre 2	cable for Info Centre 2
814037001	EBS EB+	6.5	-	-	Info Centre 2	cable for Info Centre 2
814037011	EBS EB+	0.5	-	-	Info Centre 2	cable for Info Centre 2
814037021	EBS EB+	8	-	-	Info Centre 2	cable for Info Centre 2
814037031	EBS EB+	14	-	-	Info Centre 2	cable for Info Centre 2
815001141	EBS EB+	24.0	PVC	-		Info Centre
815001151	EBS EB+	8.1	PUR	-		Info Centre
815041001	EBS EB+	without	-	-	Info Centre 2	Info Centre 2
815046001	EBS EB+	without	-	ADR	Info Centre 2	Info Centre 2



814019001



814019021

Stability

Stability is an accelerometer which is connected to the EB+ ECU. It detects early signs of a roll-over, thereby helping EB+ to counter danger immediately.

part number	description
815012011	accelerometer with cable material: PVC; cable length (m): 2.5

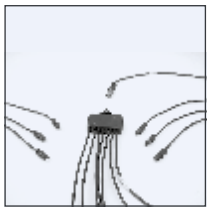


815012011

Lining wear systems

Lining wear systems for trailers are designed for the connection of several lining wear indicators to a single analogue connection point. Thus any type of display with a compatible connector can be connected to the EB+ for maximum versatility. The system can be installed and used to provide information on brake pad wear without removing the wheels. Compatible with Haldex Info Centre and Info Point.

part number	system	type	material	length (m)	note
814007111	extension cable	EBS EB+	PUR	5.0	for lining wear sensor interface
815015001	lining wear sensor interface	EBS EB+	PUR	2.0	standard connector
027526009	blanking plug	EBS EB+	-	-	standard connector



815015001

Wheel sensor units

Wheel sensor units attached to the axle, can sense the exciter teeth that pass it, as the wheel rotates. This allows the ECU to determine the wheel speed, acceleration and deceleration.

part number	type	cable length (m)	for	for exciter teeth	axle	sleeve	end connection	note
364094031	angled	1.0	ABS DGX/MGX/MODAL/MODULAR	80/100	-	without	socket	
950364503	angled	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	socket	standard fit
950364506	straight	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	socket	standard fit
059512309	sensor sleeve	-	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	-	-	-
364094011	angled	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	socket	standard fit
364528011	straight	2.0	ABS MODAL/MODULAR/EB+	80/100	universal	without	socket	


364094031


950364503


950364506


059512309

Exciters

Exciters are attached to the hub and has a specific number of teeth (or holes). The sensor attached to the axle continuously transmits the wheel speed to the ECU.

part number	type	no. of teeth	inner ø (mm)	mounting	application
016705509	solid	100	176	-	BPW 12 TM
018500309	solid	100	165	-	ROR 22.5'' TM, Fruehauf
018500409	solid	80	162	-	ROR 15'' TM, Fruehauf
018500509	solid	100	150	-	ROR 22.5'' TE, 22500 series 9.0 tonne
016705309	solid	100	153		
393585001	solid	80	153		BPW 15" TM


018500309


018500409


018500509

Electronic height sensors

Electronic height sensors provide electronic load sensing functions on vehicles equipped with mechanical suspension. For vehicle with air suspension it controls the height of the chassis.

part number	type	for
815030001	electronic height sensor	EB+

Pressure switches / sensors

Pressure switches / sensors improve the response time of longer vehicles. These sensors replace the previous pressure switches and can also be used in a GPI/GPO application.

part number	description
950800903	pressure switch kit; for EBS EB+; relay emergency valve
950800907	pressure transducer kit; for EBS EB+; M16; requires specific setting in DIAG+



950800903

Soft Docking

Soft Docking helps to prevent damages when approaching loading bays. It ensures automatic activation of brakes as the distance to the ramp becomes critical.

part number	description
003928409	junction box; Soft Docking
003928509	left light; Soft Docking
003928609	right light; Soft Docking
003928709	sensor; Soft Docking
003928809	beeper; Soft Docking
042708309	adjustment tool; Soft Docking
042709609	power cable; Soft Docking
042709709	auxiliary cable connection; Soft Docking; to junction box
815024001	Soft Docking complete system
815027001	Soft Docking basic system
003950209	sensor; Soft Docking without housing

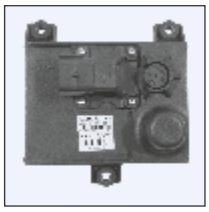


042708309

TPMS

TPMS constantly measures the air pressure and temperature in the tyres of trailers. It detects under inflation or over inflation of a tyre and triggers an alert in the tractor when configured thresholds are exceeded.

part number	desc
910815024	wheel unit sensor kit (wheel unit sensor + cable + sticker)
042727209	wheel unit sensor
003951709	mounting cable for wheel unit sensor
815052001	receiver control unit
814031101	Y splitter cable cable length Diag : 1m; cable length RCU : 1m; cable length Info Centre : 7m
815053001	low frenquency wand
042727309	cable stretcher tool for wheel unit sensor
006700021_M	sticker TPMS sensor inside



815052001



815053001

Info Point

Info Point monitors in real time trailer pad wear, tyre pressure and temperature, maintenance schedule, overload and overspeed.

part number	type	for	length (m)
815021001	Info Point	EBS EB+	7.0
815021011	Info Point	EBS EB+	18.0



815021001

Spares and repair kits

part number	description
003918409	blanking plug; for EBS EB+ ECU (universal); for positions S2A, S2B, PSW + AUX1-5
042548009	spade connector; for electrical connection; x1
042548109	spade connector; for electrical connection; x1
042549509	spade connector; for electrical connection; x1
042566409	pin; for ISO 7638 socket; x1
042572209	pin; for ISO 7638 socket; male
75610245	heat shrink sleeve; for electrical connection; for crimp connectors
950364401	pin; for ISO 7638 socket (green cover); fused
950800307	quick release valve service kit; for EBS EB+ Gen 2
950800904	double check valve; for EBS EB+ Gen 1
950800905	double check valve; for EBS EB+ Gen 2
003853209	connector kit-24N
042615509	pin for iso 7638
059509709	cable 2core 6.5m PUR without connection
072113	plug, electric, 24N ADR
072123	plug, electric, 24S ADR
072213	socket; electric, 24N ADR
072223	socket; electric, 24S ADR
006700012_M	sticker EB+ 32 x 7,3cm


003918409


042548009

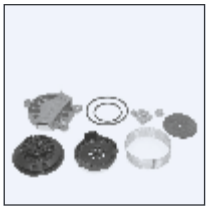

042548109


042549509


042566409


042572209


950364401


950800307


950800905

Tools and test equipment

part number	type	for	system	length (m)	material	including	note
814001601	cable	diagnostics	PC to EBS EB+	6.5	PUR		for direct ECU connection
814001611	cable	diagnostics	PC to EBS EB+	15.0	PUR		for direct ECU connection
814001621	cable	diagnostics	PC to EBS EB+	20.0	PUR		for direct ECU connection
814010101	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	6.5	PVC		chassis cable
814010111	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	2.6	PUR		chassis cable
814010121	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	5.0	PVC		chassis cable
814010131	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	15.0	PUR		chassis cable
814011001	cable	diagnostics	PC to EBS EB+	6.5	PUR		for side of vehicle connection
814011011	cable	diagnostics	PC to EBS EB+	15.0	PUR		for side of vehicle connection
814030001	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	6.5	-		for Gen3
814030011	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	2.5	-		for Gen3
814030021	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	5	-		for Gen3
814030031	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	15	-		for Gen3
814036001	cable	diagnostics	PC to EBS EB+	6.5	-		for Gen3
814036011	cable	diagnostics	PC to EBS EB+	15	-		for Gen3
814036021	cable	diagnostics	PC to EBS EB+	20	-		for Gen3
815018001	head board interface	diagnostics	EBS EB+ to DIAG+/Info Centre	0.45	PVC		for ECU --> 08 2005
815023001	PC interface	DIAG+	PC to EBS EB+	-	-		USB connection
815023011	PC interface	Fleet+	PC to EBS EB+	-	-		USB connection
950800461	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	6.5	PUR		chassis cable
950800462	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	2.5	PUR		chassis cable
950800463	cable	diagnostics	EBS EB+ to DIAG+/Info Centre	5.0	PUR		chassis cable
950800912	diagnostics cable kit	diagnostics	EBS EB+	-	-		
950800909	PC interface kit	DIAG+	PC to EBS EB+	-	-	with USB pod, USB cable, software and guide book	USB connection
950800910	PC interface kit	Fleet+	PC to EBS EB+	-	-	with USB pod, USB cable, software and guide book	USB connection


814001601


814001611

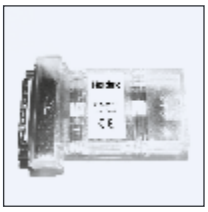

814001621

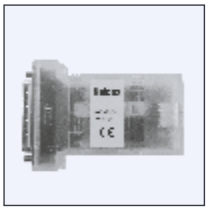

814010131


814011001


814011011


814036001


815023001


815023011


950800486


950800909

Miscellaneous

part number	description
028526209	label; for EBS EB+; sticker (must connect the ISO 7638)
006700045_M	EB+ Gen3 label
42585709	cooper grease 4g



028526209



ABS

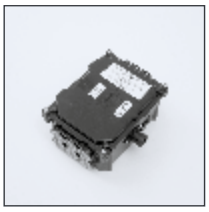
Electronic control units (ECU) MODAL	116
Electronic control units (ECU) MODULAR	117
ABS modulator relay valves (MRV)	118
Cables, looms, plugs & sockets MODAL	119
Cables, looms, plugs & sockets MODULAR	121
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Exciters	129
Spares & repair kits	130
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Electronic control units (ECU) MODAL

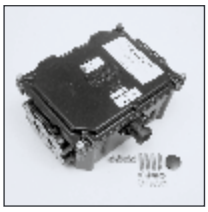
The ECU is the brain of the MODAL ABS system.

Operating temperature: -40°C +80°C

part number	system	for exciter teeth	voltage	no. of sensors	valve	COLAS compatible	note
950364081	ABS MODAL	100	24V	2/4/6	modulator x 1/2/3	-	with gland fittings
950364082	ABS MODAL	100	24V	2/4/6	modulator x 1/2/3	yes	



950364081



950364082

Electronic control units (ECU) MODULAR

The ECU is the brain of the MODULAR ABS system.

Operating temperature: -40°C +80°C

part number	system	for exciter teeth	voltage	identification	no. of sensors	valve	COLAS compatible
950364802	ABS MODULAR 1 Plus	100	24V	28 pin	2	modulator x 1	yes
950364803	ABS MODULAR 2	100	24V	28 pin	2/4	modulator x 2	yes
950364804	ABS MODULAR 2 ADR	100	24V	28 pin	2/4	modulator x 2	yes


950364802

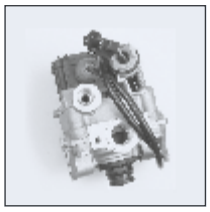

950364803


950364804

Modulator relay valves (MRV)

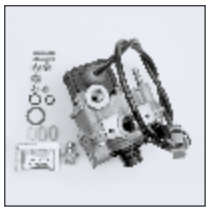
Modulator relay valves control the air supply to the brake cylinders. If a wheel lock is detected, the ECU controls the valve to prevent it. It is possible to integrate the modulator valves within other valves, combining other functions.

part number	for	cable length (m)	solenoid	no. of delivery ports	reservoir port (1) thread	delivery port (2) thread	control port (4) thread	side	voltage	system	ADR version	note
364116021	ABS MODAL	0.8	-	6	M22	M16x6	M16	-	24V	1M	yes	
364157021	ABS MODAL	-	M27x1.0	2	M22	M22x2	M16	-	12V	2M/3M	yes	
364161021	ABS MODAL	0.8	-	6	M22	M16x6	M16	-	12V	1M	yes	
364258031	ABS MODAL	0.6	-	3	M22	M16x3	M16	R/H	24V	2M	yes	
364263021	ABS MODULAR	-	M27x1.0	3	M22	M16x3	M16	L/H	24V	2M	yes	for manifold
364263031	ABS MODULAR	-	M27x1.0	3	M22	M16x3	M16	R/H	24V	2M	yes	for manifold
950364045	ABS MODAL	0.8	-	6	M22	M16x6	M16	-	24V	1M	yes	
950364046	ABS MODAL	0.8	-	2	M22	M22x2	M16	-	24V	2M/3M	yes	
950364047	ABS MODULAR/ MODAL	-	M27x1.0	6	M22	M16x6	M16	-	24V	1M	yes	
950364048	ABS MODULAR/ MODAL	-	M27x1.0	2	M22	M22x2	M16	-	24V	2M/3M	yes	
950364076	ABS MODAL	0.6	-	3	M22	M16x3	M16	L/H	24V	2M	yes	
950364077	ABS MODAL	0.6	-	3	M22	M16x3	M16	R/H	24V	2M	yes	
950364806	ABS MODULAR	-	M27x1.0	3	M22	M16	M16	R/H	24V	2M	yes	
950364807	ABS MODULAR	-	M27x1.0	3	M22	M16	M16	L/H	24V	2M	yes	
364160001	ABS MODAL	0.6	-	6	M22	M16	M16	L/H	12V	1M	yes	


364116021

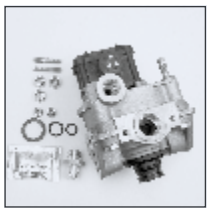

364157021


364161021


950364045

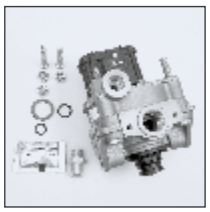

950364046


950364047


950364048


950364076


950364077


950364806


950364807

Cables, looms, plugs and sockets MODAL

Cables, looms, plugs and sockets for MODAL (including extension cables, diagnostic cables, power cables etc.)

part number	type	for	system	length (m)	colour	material	including	fuse	note	voltage
003768809	cable	diagnostics	ABS MODAL	0.3	-	PVC		-	for inside the ABS MODAL gland box	12/24V
003863709	cable	diagnostics	ABS MODAL	1.3	-	PVC		-		-
003892709	cable	diagnostics	ABS MODAL to Info Centre	18.0	-	PVC		-		-
042007309	socket	parking	all	-	-	-		-		24V
042022709	vehicle Power connector	drawbar trailers	all	-	-	-		-	-	12V
042507809	cable	diagnostics	ABS MODAL to DDU	18.0	-	PVC		-		-
042572309	socket	power ISO 7638	ABS MODAL/MODULAR	-	green	-	pins x 5 (crimp)	fused		24V
059515609	cable	sensor extension	ABS various	100.0	-	PUR		-	2 core (black, brown)	-
364096102	cable + socket	power ISO 7638	ABS MODAL	12.0	green	PVC	pins x 5	fused	5 core (purple, red, yellow, white, black)	24V
364096112	cable + socket	power ISO 7638	ABS MODAL	16.0	green	PVC	pins x 5	fused	5 core (purple, red, yellow, white, black)	24V
364143001	cable + socket	power ISO 7638	ABS MODAL	12.0	-	conduit	pins x 5	unfused	semi-trailer	12V
364193001	cable	power ISO 1185 (24N)	ABS MODAL	10.0	-	conduit		-		12V
364194001	cable	power ISO 1185 (24N)	ABS MODAL	12.0	-	PVC		-	3 core	24V
364194021	cable	power ISO 1185 (24N)	ABS MODAL	9.0	-	PVC		-	3 core	24V
364212001	cable	sensor extension	ABS MODAL	4.0	red 1A	PUR		-	MODAL only	-
364212011	cable	sensor extension	ABS MODAL	4.0	red 1B	PUR		-	MODAL only	-
364212021	cable	sensor extension	ABS MODAL	4.0	blue 3A	PUR		-	MODAL only	-
364212031	cable	sensor extension	ABS MODAL	4.0	blue 2A	PUR		-	MODAL only	-
364212041	cable	sensor extension	ABS MODAL	4.0	blue 2B	PUR		-	MODAL only	-
364212051	cable	sensor extension	ABS MODAL	4.0	yellow 3B	PUR		-	MODAL only	-
364377001	cable	diagnostics	Info Centre extension	6.0	-	PUR		-	Framatome connector fitted	24V


003863709


042507809


042572309


364096102


364096112


364143001


364193001


364194001


364212001


364212011


364212031


364212041


364377001

part number	type	for	system	length (m)	colour	material	including	fuse	note	voltage
950364021	cable	diagnostics	ABS MODAL	0.3	-	PVC		-	for inside the ABS MODAL gland box	12/24V
950364024	cable	sensor extension	ABS MODAL	2.0	-	PUR		-	MODAL only	-
950364026	cable	sensor extension	ABS MODAL	6.0	-	PUR	accessories	-	MODAL only	-
950364031	cable + socket	power ISO 7638	ABS MODAL	12.0	green	PUR	pins x 5	fused	MODAL only	24V
950364033	cable + plug	power ISO 7638	ABS MODAL	12.0	-	PUR	pins x 5	-	drawbar trailers	24V
950364050	cable	modulator valve	ABS MODAL	8.0	-	PUR	accessories	-	MODAL only	24V
950364054	cable	sensor extension	ABS MODAL	8.0	-	PUR	accessories	-	MODAL only	-
950364072	socket	power ISO 7638	ABS MODAL/MODULAR	-	green	-	pins x 5 (crimp)	fused		24V
950364402	socket	power ISO 7638	ABS MGX/MODAL/ MODULAR	-	black	-	pins x 5 (crimp)	unfused		24V
950364405	cable + plug	power ISO 7638	ABS MODAL	12.0	black	PVC	pins x 5 + conduit	unfused	MODAL only	24V
950364406	cable + plug	power ISO 7638	ABS MODAL	9.0	-	PUR	pins x 5	-	drawbar trailers	24V
950364407	cable	power ISO 1185 (24N)	ABS MODAL	12.0	-	PVC		-	MODAL only	24V
950364408	cable	sensor extension	ABS MODAL	3.0	-	PUR	accessories	-	MODAL only	-
950364410	cable	sensor extension	ABS MODAL	10.0	-	PUR	accessories	-	MODAL only	-
950364411	cable	modulator valve	ABS MODAL	4.0	-	PUR	accessories	-	MODAL only	24V
950364412	cable	modulator valve	ABS MODAL	6.0	-	PUR	accessories	-	MODAL only	24V
950364413	cable	modulator valve	ABS MODAL	10.0	-	PUR	accessories	-	MODAL only	24V
950364420	socket	power ISO 7638	ABS MODAL/MODULAR	-	red	-	pins x 5 (screw)	unfused	can replace black socket	24V
950364436	socket	power ISO 7638	universal	-	blue	-	pins x 7	fused + unfused		24V
950364818	Framatome connector kit	diagnostics	ABS MODULAR + EB+	-	-	-		-	for side of vehicle connection	-


950364021


950364024


950364026


950364031


950364033


950364050


950364054


950364072


950364402


950364405


950364406


950364407


950364408


950364410


950364411


950364412


950364420


950364818

Cables, looms, plugs and sockets MODULAR

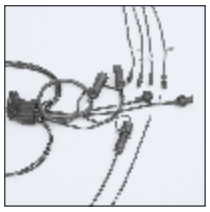
Cables, looms, plugs and sockets for MODULAR (including extension cables, diagnostic cables, power cables etc.)

part number	type	for	system	system configu-ration	length (m)	colour	material	includ-ing	fuse	sensor cables (m)	COLAS cable	note	voltage
003846709	cable	diagnostics	ABS MODULAR to DDU/Info Centre	-	2.0	-	PVC		-	-	-		-
003852809	Framatome connector kit	power ISO 7638	ABS MODULAR	-	-	-	-		unfused	-	-	9-way	24V
003852909	Framatome connector kit	power ISO 7638	ABS MODULAR	-	-	-	-		fused	-	-	9-way	24V
003854509	cable + socket	power ISO 7638	ABS MODULAR	-	16.0	-	PVC	pins x 5	fused	-	-	without socket	24V
364307001	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x3.0 + 2x6.0	with (6.0 m)	28 pin	24V
364307011	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	4x4.0	with (6.0 m)	28 pin	24V
364307021	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x4.0 + 2x5.0	with (7.0 m)	28 pin	24V
364307031	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x4.0 + 2x6.0	with (7.0 m)	28 pin	24V
364329001	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	with (4.0 m)	28 pin	24V
364329011	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x4.0	with (6.0 m)	28 pin	24V
364329021	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	with (7.0 m)	28 pin	24V
364338001	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x3.0	with (6.0 m)	28 pin	24V
364338011	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x6.0	with (6.0 m)	28 pin	24V


003846709

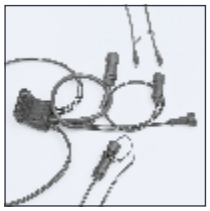

003852809


003852909


364307001


364307021


364307031


364329001


364329011

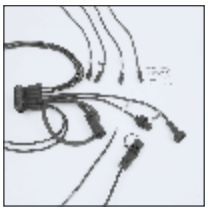

364329021


364338001

part number	type	for	system	system configu-ration	length (m)	colour	material	includ-ing	fuse	sensor cables (m)	COLAS cable	note	voltage
364338021	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x3.0	with (7.0 m)	28 pin	24V
364339001	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x3.0 + 2x6.0	without	28 pin	24V
364340001	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x3.0 + 2x6.0	with (6.0 m)	28 pin; with-out 24N	24V
364340011	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	4x4.0	with (6.0 m)	28 pin; with-out 24N	24V
364341011	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	4x4.0	without	28 pin; with-out 24N	24V
364343001	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x3.0	without	28 pin	24V
364344001	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x3.0	with (6.0 m)	28 pin; with-out 24N	24V
364345001	loom	ECU connection	ABS MODULAR 2	2S/2M	-	-	-		-	2x3.0	without	28 pin; with-out 24N	24V
364346001	loom	ECU connection	ABS MODULAR 1 Upgrade	2S/1M	-	-	-		-	2x3.0	without	19 pin; with-out 24N	24V
364347001	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	with (6.0 m)	28 pin; with-out 24N	24V
364347011	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	with (7.0 m)	28 pin; with-out 24N	24V
364348001	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	without	28 pin	24V
364349001	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x3.0	without	28 pin; with-out 24N	24V


364338021


364339001


364340001


364340011


364341011

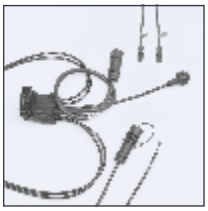

364343001


364344001


364345001


364346001


364347001


364347011


364348001


364349001

Cables, looms, plugs & sockets MODULAR

part number	type	for	system	system configu-ration	length (m)	colour	material	includ-ing	fuse	sensor cables (m)	COLAS cable	note	voltage
364357001	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	black	PVC	pins x 5	unfused	-	-	Framatome connector fitted	24V
364358001	cable	power ISO 1185 (24N)	ABS MODULAR 2	-	12.0	-	PVC		-	-	-	Framatome connector fitted	24V
364359001	loom	ECU connection	ABS MODULAR 1 Upgrade	2S/1M	-	-	-		-	2x3.0	without	19 pin	24V
364362011	cable + socket	power ISO 7638	ABS MODULAR	-	9.0	green	PVC	pins x 5	fused	-	-	Framatome connector fitted	24V
364362021	cable + socket	power ISO 7638	ABS MODULAR	-	14.0	green	PVC	pins x 5	fused	-	-	Framatome connector fitted	24V
364362031	cable + socket	power ISO 7638	ABS MODULAR	-	18.0	green	PVC	pins x 5	fused	-	-	Framatome connector fitted	24V
364364031	cable + socket	power ISO 7638	ABS MODULAR	-	16.0	green	PVC	pins x 5 (crimp)	fused	-	-	Framatome connector loose	24V
364365001	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	black	PVC		unfused	-	-	Framatome connector loose	24V
814001101	cable + socket	power ISO	ABS MODULAR	-	12.0	-	PVC		-	-	-	Framatome	24V
950364417	loom	ECU connection	ABS MODULAR 1 Upgrade	2S/1M	-	-	-		-	2x4.0	without	19 pin	24V
950364418	loom	ECU connection	ABS MODULAR 1 Plus	2S/1M	-	-	-		-	2x4.0	with (7.0 m)	28 pin	24V
950364419	loom	ECU connection	ABS MODULAR 2	4S/2M	-	-	-		-	2x4.0 + 2x6.0	with (7.0 m)	28 pin	24V
950364421	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	green	PVC	pins x 5	fused	-	-	Framatome connector fitted	24V


364357001


364358001


364359001


364362011


364362021


364362031


364364031


950364417


950364418


950364419


950364421

part number	type	for	system	system configu-ration	length (m)	colour	material	includ-ing	fuse	sensor cables (m)	COLAS cable	note	voltage
950364422	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	black	PUR	pins x 5	unfused	-	-	Framatome connector fitted	24V
950364423	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	green	PVC	pins x 5	fused	-	-	Framatome connector loose	24V
950364424	cable + socket	power ISO 7638	ABS MODULAR	-	12.0	black	PUR	pins x 5	unfused	-	-	Framatome connector loose	24V
950364425	cable	power ISO 1185 (24N)	ABS MODULAR 1	-	12.0	-	PVC		-	-	-	Framatome connector fitted	24V
950364426	cable	power ISO 1185 (24N)	ABS MODULAR 2	-	12.0	-	PUR		-	-	-	Framatome connector fitted	24V
950364429	cable + plug	power ISO 7638	ABS MODULAR	-	12.0	-	PVC	pins x 5	-	-	-	Framatome connector fit-ted, drawbar	24V
950364507	cable	sensor extension	ABS MODULAR	-	6.0	-	PUR		-	-	-		-


950364422


950364423


950364424


950364425


950364429


950364507

DGX / GX

DGX / GX is a four channel anti-lock system designed to operate on trailers.

part number	description
950364221	loom for ABS DGX conversion from DGX to DGXi 60 tooth
950364207	UCE for ABS DGXi-T
950364301	UCE for ABS GX-2axle by axle

ABS MGX valves

ABS MGX valves control the air supply to the brake cylinders. If a wheel lock is detected, the ECU controls the valve to prevent it. The MCER valve also includes the relay emergency valve.

part number	type	for	cable length (m)	no. of delivery ports	reservoir port (1) thread	delivery port (2) thread	control port (4) thread	voltage	system	note
950364104	MCER valve	ABS MGX	0.5	6	M22	M22x2 + M16x4	M16	24V	1M	emergency port M16



950364104

Cables, looms, plugs and sockets MGX

Cables, looms, plugs and sockets for MGX (including extension cables, diagnostic cables, power cables etc.)

part number	description
059509809	cable; for sensor extension; ABS MGX; length (m): 2.5
059510409	cable; for sensor extension; ABS MGX; length (m): 3.0



059509809



059510409

Wheel sensor units

Wheel sensor units attached to the axle, can sense the exciter teeth that pass it, as the wheel rotates. This allows the ECU to determine the wheel speed, acceleration and deceleration.

part number	type	cable length (m)	for	for exciter teeth	axle	sleeve	bracket	end connection	note
003755509	straight	2.0	ABS MGX	60	-	-	with	eyelet	ROR only
003760509	angled	3.4	ABS MGX/DGX	60	-	-	with	none	
364094031	angled	1.0	ABS DGX/MGX/MODAL/MODULAR	80/100	-	without	-	socket	
950364501	straight	2.4	ABS GX/DGX/MGX2 + MGX2E	45/60	universal	-	with	eyelet	
950364502	angled	2.6	ABS GX/DGX/MGX	45/60	universal	-	with	eyelet	
950364503	angled	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	-	socket	standard fit
950364504	straight	0.4	ABS GX/DGX/MGX	45/60	universal	-	with	in-line crimp + heat-shrink sleeve	
950364506	straight	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	-	socket	standard fit
364094011	angled	0.5	ABS DGX/MGX100/MODAL/MODULAR/EB+	80/100	universal	with	-	socket	standard fit
364528011	straight	2.0	ABS MODAL MODULAR EB+	80/100	universal	without	-	socket	


003755509


003760509


364094031


950364501


950364502


950364503


950364504


950364506

Exciters

Exciters are attached to the hub and has a specific number of teeth (or holes). The sensor attached to the axle continuously transmits the wheel speed to the ECU.

part number	type	no. of teeth	inner ø (mm)	application
016705509	solid	100	176	BPW 12 TM
018500309	solid	100	165	ROR 22.5'' TM, Fruehauf
018500409	solid	80	162	ROR 15'' TM, Fruehauf
018500509	solid	100	150	ROR 22.5'' TE, 22500 series 9.0 tonne


018500309


018500409


059500509

Spares and repair kits

part number	description
003787309	click-fit connector kit; for ABS MODAL ECU gland box (2S/1M system)
003787509	click-fit connector kit; for ABS MODAL ECU gland box (4S/3M system)
003791909	click-fit connector kit; for ABS MODAL ECU gland box; for ISO 7638 cable
003792009	click-fit connector kit; for ABS MODAL ECU gland box; for sensor cable
003792109	click-fit connector kit; for ABS MODAL ECU gland box; for modulator valve cable
024500309	o-ring; for ABS MODAL ECU click-fit blanking plug (027503209); for ABS MODAL ECU gland box
026500009	blanking plug; for DDU socket
027503109	click-fit connector; for ABS MODAL ECU gland box
027503209	click-fit blanking plug; for ABS MODAL ECU gland box
027503309	inhibit key; for ABS MODAL; for ABS MODAL cables
027503509	3-way connector Housing; for ABS MODAL; for ABS MODAL cables
027504309	nut; for ABS MODAL ECU click-fit connector; for 5 core cable
027504409	cable grip; for ABS MODAL ECU click-fit connector; for 3 core cable
027504509	cable grip; for ABS MODAL ECU click-fit connector; for 5 core cable
042516609	nut; for ABS MODAL ECU click-fit connector; for ISO 7638 cable
042516709	washer; for ABS MODAL ECU click-fit connector; rubber
042548009	spade connector; for electrical connection; x1
042548109	spade connector; for electrical connection; x1
042549509	spade connector; for electrical connection; x1
042566409	pin; for ISO 7638 socket; x1
042572209	pin; for ISO 7638 socket; male
056501109	bail latch; for ABS MODULAR; new type
059512309	sensor sleeve; for ABS sensor (80 + 100 tooth); pressed type
059512409	cable marker (elastic band); red


003787309


003787509

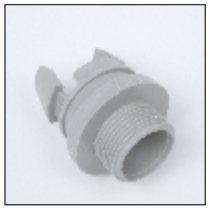

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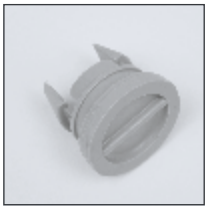

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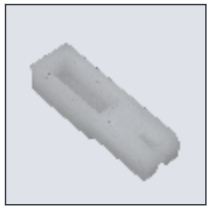

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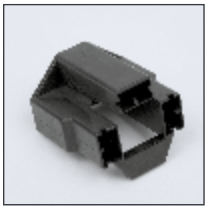

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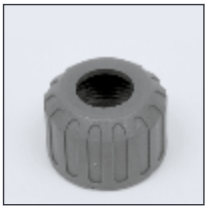

026500009


027503109


027503209

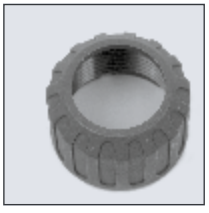

027503309


027503509


027504309


027504409


027504509


042516609


042516709

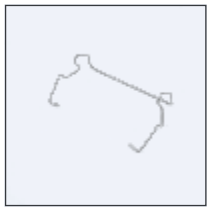

042548009


042548109


042549509


042566409


042572209

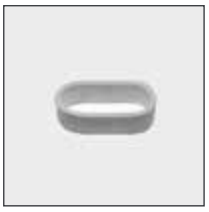

056501109

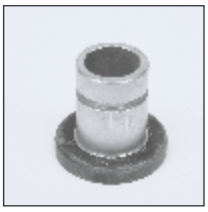

059512309


059512409

part number	description
059512509	cable marker (elastic band); blue
059512609	cable marker (elastic band); yellow
75610245	heat shrink sleeve; for electrical connection; for crimp connectors
75611759	exhaust valve piston; for MCER valve (ABS MGX)
75613218	connection box; for electrical connection (ABS MGX); orange
950364061	click-fit connector kit; for ABS MODAL ECU gland box; with connectors + blanking plugs
950364075	manifold kit; for ABS MODAL (2M system); with input restrictor
950364401	pin; for ISO 7638 socket (green cover); fused


059512509


059512609


75611759


75612411


75613218


950364061


950364075


950364401

Miscellaneous

part number	description
028042409	load plate label; for EPV / EB+; (use only on laser printer)
028518909	label; for ABS MODULAR; sticker (replace the diagnostic cap when not in use)
028525709_M	label; for ABS; sticker (>10 km/h + lamp = ABS failure); plastic
364328001	ABS kit; ECU MODULAR 1 Plus + modulator valve kit; 2S/1M
393670001	ABS kit; ECU MODULAR 1 Plus; 2S/1M; to replace MGX system
75612108	label; for ABS MGX; ABS instruction (Fruehauf)
950364111	warning lamp controller; for ABS MGX; ballast + relay
006700013_M	sticker ABS WARNING
006700014_M	sticker ABS HALDEX
75611588	green light for ABS without cable
42585709	cooper grease 4g


028042409


028518909


364328001


393670001


75612108


950364111


Haldex

AIR SUSPENSION/LIFT-AXLE

Raise / lower valves	136
ILAS®	138
ILAS®-E	140
Levelling valves	141
Multi-way valves	143
Shut-off cocks	145
Spares & repair kits	146
Tools & test equipment	149
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Raise / lower valves

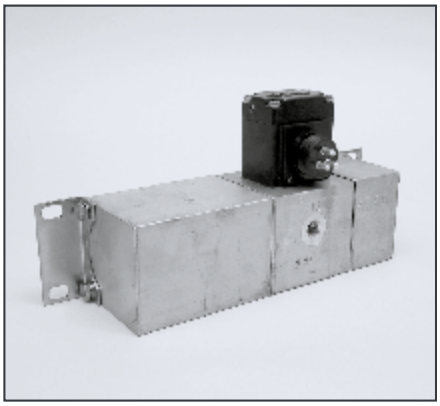
Raise / lower valves are used on vehicles equipped with air suspension. They allow the operator to vary the height of the chassis to the ground, facilitating height adjustment of the vehicle at the loading dock.

The electro-pneumatic raise and lower valves have the same function but can be controlled remotely, such as from the cab of the tractor.

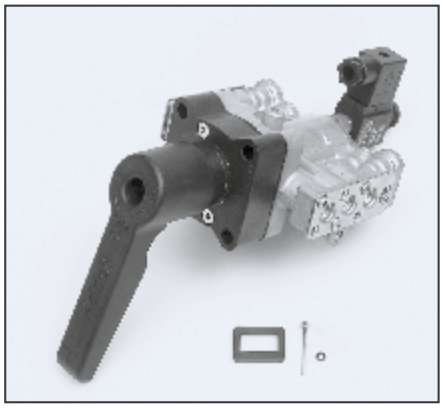
COLAS® raise / lower valve is available with reset to ride height function.



Aluminium



Electro-magnetic



COLAS®

part number	type	ports	push-in fittings	return to ride height	dead man's handle	handle at 90 degrees	voltage	electrical connection	dual circuit	note
338021001	pneumatic (aluminium)	4xM12x1.5 + 2xM14x1.5	without	without	without	no	-	-	yes	
338032001	electro-magnetic	-	-	without	without	-	24V	2x M27, 3 pin	yes	
338050101	electro-magnetic	-	-	without	without	-	24V	1x square, 4 pin	yes	
338051101	COLAS	8mm	with	with	with	no	24V	flat x 3	yes	
338051102	COLAS	8mm	with	with	with	yes	24V	flat x 3	yes	
338051111	COLAS	8mm	with	with	with	no	24V	flat x 3	yes	with 13-4 pneumatic port
338051112	COLAS	8mm	with	with	with	yes	24V	flat x 3	yes	with 13-4 pneumatic port
338051121	COLAS	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	yes	with filter
338051122	COLAS	8mm	with	with	with	yes	24V	DIN bayonett, 2 pin	yes	
338051131	COLAS	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	yes	with 13-4 pneumatic port
338051132	COLAS	8mm	with	with	with	yes	24V	DIN bayonett, 2 pin	yes	with 13-4 pneumatic port
338051141	COLAS	8mm	with	with	with	no	24V	flat x 3	yes	with filter
338052101	COLAS	8mm	with	without	with	no	-	-	yes	
338052102	COLAS	8mm	with	without	with	yes	-	-	yes	
338053002	COLAS	8mm	with	without	without	yes	-	-	yes	
338053101	COLAS	8mm	with	without	without	no	-	-	yes	
338054001	COLAS	10mm	with	with	with	no	24V	flat x 3	yes	
338054002	COLAS	10mm	with	with	with	yes	24V	flat x 3	yes	
338054011	COLAS	10mm	with	with	with	no	24V	DIN bayonett, 2 pin	yes	
338055002	COLAS	8mm	with	pneumatic only	with	yes	-	-	yes	with 13-4 pneumatic port
338055101	COLAS	8mm	with	pneumatic only	with	no	-	-	yes	with 13-4 pneumatic port
338056001	COLAS	10mm	with	without	with	no	-	-	yes	
338056002	COLAS	10mm	with	without	with	yes	-	-	yes	
338057001	COLAS	8mm	with	with	with	no	24V	flat x 3	no	
338057002	COLAS	8mm	with	with	with	yes	24V	flat x 3	no	
338057101	COLAS	8mm	with	with	with	no	24V	flat x 3	no	
338057111	COLAS	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	no	
338057121	COLAS	8mm	with	with	with	no	24V	flat x 3	no	with 13-4 pneumatic port
338058101	COLAS	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	no	
338058121	COLAS	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	no	
338059101	COLAS	8mm	with	without	with	yes	-	-	no	
338061101	COLAS+	2x8mm + 1x12mm	with	with	with	no	24V	DIN bayonett, 2 pin	no	Roll Off
338062101	COLAS+	2x8mm + 1x12mm	with	with	with	no	24V	DIN bayonett, 2 pin	no	Roll On/Roll Off
338071001	COLAS+	8mm	with	with	with	no	24V	DIN bayonett, 2 pin	yes	Roll Off
338071011	COLAS+	8mm	with	with	with	no	24V	flat x 3	yes	Roll Off
338071031	COLAS+	10mm	with	with	with	no	24V	DIN bayonett, 2 pin	yes	Roll Off


338021001


338032001

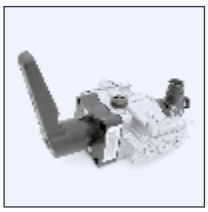

338050101


338051101


338051102


338051111


338051112


338051121


338051131


338052101


338053101

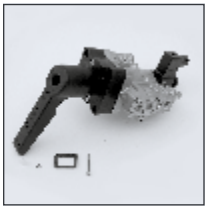

338054001


338054011


338055101


338056001


338057001


338057101


338057111


338057121


338058101


338059101

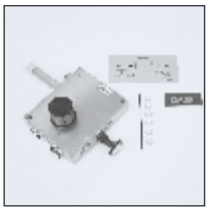

338062101

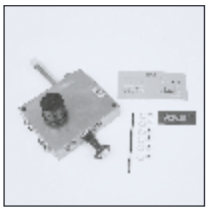
ILAS®

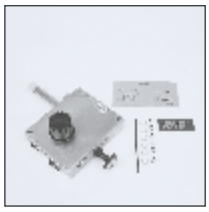
ILAS® is a lift axle control system which incorporates several valves within one unit. According to the options selected, this system can be configured to operate in full automatic mode, or as a manual lift system with automatic descent. It always ensures the optimum utilisation of the axles by preventing unnecessary wear on the tyres and undercarriage. The traction control system facilitates a manual momentary axle lift, providing better traction in difficult conditions.

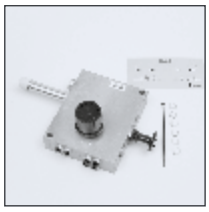
Original ILAS® — dual circuit, six-hole system
ILAS® III — single circuit, more compact, five-hole system

part number	version	control	auto-lower setting (bar)	auto-lower range (bar)	auto-raise setting (bar)	auto-raise range (bar)	manual operation	ports	note
352028001	ILAS	pneumatic/manual	2.5	2.5(+/-0.3)	-	-	raise + lower	6x 8mm push-in	
352028011	ILAS	pneumatic/manual	3.0	3.0-5.0	-	-	raise + lower	6x 8mm push-in	
352028012	ILAS	pneumatic/manual	3.5	3.0-5.0	-	-	raise + lower	6x 8mm push-in	
352028013	ILAS	pneumatic/manual	4.0	3.0-5.0	-	-	raise + lower	6x 8mm push-in	
352028014	ILAS	pneumatic/manual	4.5	3.0-5.0	-	-	raise + lower	6x 8mm push-in	
352032030	ILAS	pneumatic/manual	3.0	3.0-5.0	-	-	raise only	6x 8mm push-in	
352032035	ILAS	pneumatic/manual	3.5	3.0-5.0	-	-	raise only	6x 8mm push-in	
352032045	ILAS	pneumatic/manual	4.5	3.0-5.0	-	-	raise only	6x 8mm push-in	
352035A35	ILAS	pneumatic only	3.5	3.0-5.3	0.7	0.7-3.1	none	6x 8mm push-in	
352035C42	ILAS	pneumatic only	4.2	2.1-2.9	0.9	0.9-1.9	none	6x 8mm push-in	
352035H30	ILAS	pneumatic only	3.0	3.0-5.3	1.4	0.7-3.1	none	6x 8mm push-in	
352035P36	ILAS	pneumatic only	3.6	3.6-6.0	2.2	1.5-3.2	none	6x 8mm push-in	
352037Z51	ILAS	pneumatic/manual/electric	5.1	3.6-6.0	3.2	0.7-3.2	raise + lower	6x 8mm push-in	Schwarzmueller
352047025	ILAS III	pneumatic/manual	2.5	1.5-2.9	unset	0.9-1.9	raise + lower	5x 8mm push-in	basic version
352047030	ILAS III	pneumatic/manual	3.0	3.0-5.3	-	-	raise + lower	5x 8mm push-in	
352047032	ILAS III	pneumatic/manual	3.2	3.0-5.3	-	-	raise + lower	5x 8mm push-in	
352047035	ILAS III	pneumatic/manual	3.5	3.0-5.3	-	-	raise + lower	5x 8mm push-in	
352047040	ILAS III	pneumatic/manual	4.0	3.6-6.0	-	-	raise + lower	5x 8mm push-in	
352047045	ILAS III	pneumatic/manual	4.5	3.6-6.0	-	-	raise + lower	5x 8mm push-in	

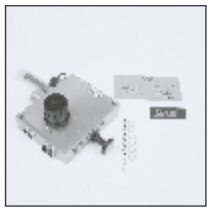

352028011

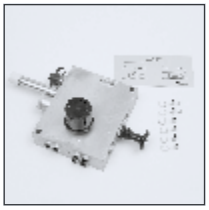

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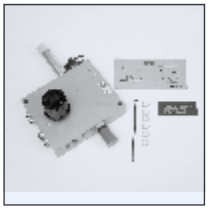

352028013

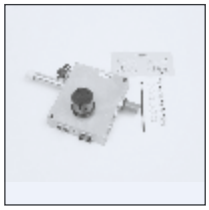

352028014


352032030


352032035

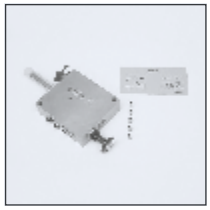

352032045


352035A35


352035P36


352037Z51

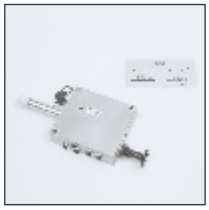

352047025


352047030


352047032


352047035


352047040


352047045

part number	version	control	auto-lower setting (bar)	auto-lower range (bar)	auto-raise setting (bar)	auto-raise range (bar)	manual operation	ports	note
352047048	ILAS III	pneumatic/manual	4.8	3.6-6.0	-	-	raise + lower	5x 8mm push-in	
352047100	ILAS III	pneumatic/manual	unset	3.0-5.3	-	-	raise + lower	5x 8mm push-in	
352047200	ILAS III	pneumatic/manual	unset	1.5-2.9	-	-	raise + lower	5x 8mm push-in	
352049000	ILAS III	pneumatic/manual	unset	3.6-6.0	-	-	raise + lower	6x M12x1.5	
352049100	ILAS III	pneumatic/manual	unset	3.0-5.3	-	-	raise + lower	6x M12x1.5	
352049200	ILAS III	pneumatic/manual	unset	1.5-2.9	-	-	raise + lower	6x M12x1.5	
352051000	ILAS III	pneumatic only	unset	3.6-6.0	unset	1.5-3.0	none	5x 8mm push-in	
352051100	ILAS III	pneumatic only	unset	3.0-5.3	unset	0.8-3.5	none	5x 8mm push-in	
352051200	ILAS III	pneumatic only	unset	2.5-2.9	unset	0.8-3.5	none	5x 8mm push-in	
352051I40	ILAS III	pneumatic only	4.0	3.0-5.3	1.5	0.7-3.1	none	5x 8mm push-in	
352054I33	ILAS	pneumatic only	3.3	3.0-5.3	1.5	0.7-3.1	none	6x 8mm push-in	
352054X53	ILAS	pneumatic only	5.3	2.5-6.0	3.0	0.8-3.5	none	6x 8mm push-in	Schmitz


352047048

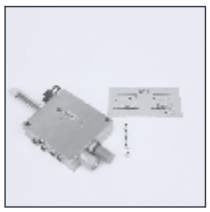

352047100


352047200

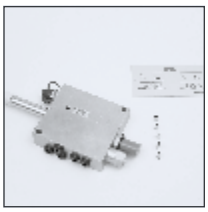

352049100

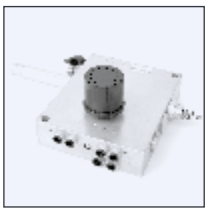

352049200

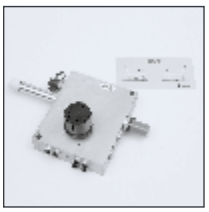

352051000


352051100


352051200


352051I40


352054I33


352054X53

ILAS®-E

ILAS® is a lift axle control system which incorporates several valves within one unit.
ILAS®-E is specially designed for EB + electronically controlled systems.

part number	version	control	auto-lower setting (bar)	auto-lower range (bar)	auto-raise setting (bar)	auto-raise range (bar)	manual operation	ports	note
352061101	ILAS·E	electric	-	-	-	-	none	4x M16x1.5	blade terminal 3-pins
352061111	ILAS·E	electric	-	-	-	-	none	4x M16x1.5	DIN bayonet DIN 72585-A1-2.1-SN/K2
352062101	ILAS·E	electric	-	-	-	-	none	4x 8mm push-in	blade terminal 3-pins
352062111	ILAS·E	electric	-	-	-	-	none	4x 8mm push-in	DIN bayonet
352070101	ILAS·E	electric	-	-	-	-	none	7x 8mm push-in	blade terminal 3-pins
352070111	ILAS·E	electric	-	-	-	-	none	7x 8mm push-in	DIN bayonet DIN 72585-A1-2.1-SN/K1
352070121	ILAS·E	electric	-	-	-	-	none	6x 8mm push-in	DIN bayonet DIN 72585-A1-2.1-SN/K1



352070111

Levelling valves

Levelling valves are installed in vehicles with air suspension and control the height of the chassis. Any possible height variations resulting from variable loads are compensated for automatically. A height-limiting device may also be included. Some levelling valves permit two different suspension levels. For example, they can be used in special trailers or in buses equipped with a suspension lowering system for easy passenger boarding.

EGP = Engineering Grade Plastic — Plastic Valve
CR = Controlled Response — Compensated response valve
IR = Immediate Response — Immediate response valve
CF = Controlled Flow

part number	version	type	ports	lever	restricted flow	height limitation	port 4	fittings
612017001	aluminium	1.25	M12x1.5	without (round)	without	without		
612017051	aluminium	1.95	M12x1.5	without (round)	without	without		
612017061	aluminium	1.25	M12x1.5	loose/round	without	without		
612017071	aluminium	1.25	M12x1.5	loose/round	without	without		
612017091	aluminium	3.0	M12x1.5	loose/round	without	without		
612031001	aluminium	1.3	M12x1.5 + M16x1.5	without (flat)	without	with		
612031011	aluminium	1.3	M12x1.5 + M16x1.5	without (flat)	without	with		
612032001	aluminium	1.3	M12x1.5 + M16x1.5	loose/round	with	with		
612035001	EGP	1.25	M12x1.5	without (round)	with	without		
612035011	EGP	1.25	M12x1.5	loose/round	with	without		
612035021	EGP	3.0	M12x1.5	loose/round	with	without		
612035031	EGP	4.0	M12x1.5	loose/round	with	without		
612035041	EGP	1.25	8 mm push-in	loose/round	with	without		
612035051	EGP	3.0	8 mm push-in	loose/round	with	without		
612035061	EGP	4.0	8 mm push-in	loose/round	with	without		
612035071	EGP	5.0	8 mm push-in	loose/round	with	without		
612036001	EGP	1.25	1/4''-18NPTF	without (round)	with	without		
612046211	EGP	3.0	8 mm push-in	loose/round	with	without	right	


612017001


612017061


612017071


612017091


612031001


612031011


612032001


612035011


612035021


612035031


612035041


612035051


612035061

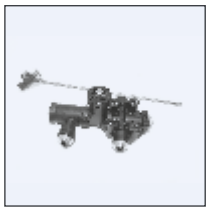

612035071


612036001

part number	version	type	ports	lever	restricted flow	height limitation	port 4	fittings
612046212	EGP	3.0	8 mm push-in	loose/round	with	without	left	
612046221	EGP	5.0	1/4''-18NPTF	without (round)	with	without	right	
612046222	EGP	5.0	1/4''-18NPTF	without (round)	with	without	left	
612046232	EGP	3.0	8 mm push-in	loose/round	with	without	left	
612046241	EGP	3.0	1/4''-18NPTF	without (round)	with	without	right	
612046242	EGP	3.0	1/4''-18NPTF	without (round)	with	without	left	
612046251	EGP	3.0	M12x1.5	without (round)	with	without	right	
612046252	EGP	3.0	M12x1.5	without (round)	with	without	left	
612046261	EGP	3.0	8 mm push-in	loose/round	with	without	right	
612046271	EGP	1.25	1/4''-18NPTF	loose/round	with	without	right	
612046272	EGP	1.25	1/4''-18NPTF	loose/round	with	without	left	
612046281	EGP	4.0	M12x1.5	loose/round	with	without	right	
612046282	EGP	4.0	M12x1.5	loose/round	with	without	left	
612046291	EGP	3.0	8 mm push-in	loose/round	with	without	right	
612046292	EGP	3.0	8 mm push-in	loose/round	with	without	left	
612047001	EGP	3.0	8 mm push-in	loose/round	with	without	right	
612048101	EGP	1.25	M12x1.5	assembled/flat/straight/120mm	with	without		
612048111	EGP	3.0	M12x1.5	assembled/flat/60mm offest/160mm	with	without		
612048121	EGP	4.0	M12x1.5	assembled/flat/straight/120mm	with	without		
612048131	EGP	1.25	M12x1.5	assembled/flat/60mm offest/160mm	with	without		
612048141	EGP	1.25	8 mm push-in	assembled/flat/straight/120mm	with	without		
612048151	EGP	3.0	8 mm push-in	assembled/flat/60mm offest/160mm	with	without		
612048161	EGP	4.0	8 mm push-in	assembled/flat/straight/120mm	with	without		
612048171	EGP	3.0	M12x1.5	assembled/flat/30mm offest/70mm	with	without		
612048181	EGP	1.25	M12x1.5	assembled/flat/60mm offest/120mm	with	without		
612048191	EGP	3.0	M12x1.5	assembled/flat/60mm offest/120mm	with	without		
612056001	EGP	4.0	8 mm push-in	loose/round	with	without		
612056021	EGP	4.0	8 mm push-in	loose/round	with	without		
612057001	EGP	3.0	8 mm push-in	loose/round	with	without		
90054007	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		
90554114	CR (zinc)	-	1/4'' NPT	assembled/flat/offset	without	without		
90554147	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		M10
90554183	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		3/8''
90554241	IR (zinc)	-	1/4'' NPT	without (round)	without	without		
90554334	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		1/4'' + 3/8''
90554457	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		M10
90554648	CR (zinc)	-	1/8'' NPT	assembled/flat/offset	without	without		1/4'' + 3/8''
90554660	CF (plastic)	-	1/4'' NPT	without (flat)	without	without		


612046251


612046261


612046271


612048101


612048111


612048131


612048171


612048181


90054007


90554147


90554241


90554457

Multi-way valves

Multi-way valves are used to control pneumatic devices.

3/2-way valves can interrupt or allow the air supply to a pneumatic circuit. These valves are commonly used to control axle lift systems in vehicles with air suspension or steering axle locking equipment.

3/2-way solenoids are available which can be controlled by electronic systems.

part number	type	way	control	knob	ports	bellow	mounting point	filter	nominal ø (mm)	voltage	cable exit	max. operating pressure (bar)	note
332005021	push button valve	3/2-way	manual	round	M12x1.5	without	-	inlet	-	-	-	8.0	
332005141	push button valve	3/2-way	manual	round	M12x1.5	without	-	without	-	-	-	8.0	knob ±6 degrees pivotable
332005641	push button valve	3/2-way	manual	round	M12x1.5	without	-	without	-	-	-	8.0	knob ±6 degrees pivotable
352022001	control valve	3/2-way	pneumatic	without	M16x1.5 + M22x1.5	without	with	without	-	-	-	8.5	2.5 bar operating pressure
352022011	control valve	3/2-way	pneumatic	without	M16x1.5 + M22x1.5	without	with	without	-	-	-	8.5	3.0 bar operating pressure
352042001	control valve	3/2-way	manual (auto-drop)	black, round, with label	M16x1.5 + M22x1.5	with	without	without	-	-	-	8.5	1.5 bar operating pressure
352042011	control valve	3/2-way	manual (auto-drop)	black, square, with label	M16x1.5 + M22x1.5	with	with	without	-	-	-	8.5	0.6 bar operating pressure
352053001	3/2-way valve	3/2-way	pneumatic	without	M16x1.5 + M22x1.5	without	with	without	-	-	-	8.5	2.0 bar switch pressure
352057001	control valve	3/2-way	manual (auto-drop)	black, square, with label	M16x1.5 + M22x1.5	with	without	without	-	-	-	8.5	1.5 bar control pressure
352057011	control valve	3/2-way	manual (auto-drop)	black, square, with label	M16x1.5 + M22x1.5	with	without	without	-	-	-	8.5	0.6 bar control pressure
360009141	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	exhaust	-	12-24V	above	8.0	normally exhausting


332005021


332005141


352022001


352022011


352042001


352042011


352053001


352057001


360 009 141

part number	type	way	control	knob	ports	bellow	mounting point	filter	nominal ø (mm)	voltage	cable exit	max. operating pressure (bar)	note
360009241	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	without	-	12-24V	above	8.0	exhausting or charging, with connection for 6mm tube
360009341	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	without	-	12-24V	above	8.0	exhausting or charging, basic version
360009641	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	exhaust	-	12-24V	above	8.0	normally exhausting
360009741	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	without	-	12-24V	above	8.0	exhausting or charging
360009841	3/2-way solenoid valve	3/2-way	electronic	-	-	-	-	without	-	12-24V	above	8.0	basic version
360015001	3/2-way valve	3/2-way	electronic	-	M12x1.5	-	-	without	-	12V	DIN bayonett	10.0	normally exhausting
360016001	3/2-way valve	3/2-way	electronic	-	M12x1.5	-	-	without	-	12V	DIN bayonett	10.0	exhausting or charging, basic version
360017001	3/2-way valve	3/2-way	electronic	-	M12x1.5	-	-	without	-	24V	DIN bayonett	10.0	normally exhausting
360018001	3/2-way valve	3/2-way	electronic	-	M12x1.5	-	-	without	-	24V	DIN bayonett	10.0	exhausting or charging, basic version
551018001	3/2-way valve	3/2-way	manual	plunger	M14x1.5	-	-	-	6.0	-	-	8.0	
554005001	3/2-way valve	3/2-way	pneumatic	without	M14x1.5	-	-	-	6.0	-	-	8.0	charge @ 2.7 Bar, discharge @ 0.9-0.15 Bar
554020001	3/2-way valve	3/2-way	pneumatic	without	M16x1.5	-	-	-	-	-	-	10.0	
90554615	3/2-way pilot valve	3/2-way	pneumatic	-	1/4'' NPT	-	with	-	-	-	-	8.5	
90554977	3/2-way pilot valve	3/2-way	pneumatic	-	3/8'' push-in + 1/4'' push-in	-	with	-	-	-	-	8.5	
90554990	3/2-way pilot valve	3/2-way	pneumatic	-	3/8'' push-in	-	with	-	-	-	-	8.5	


360009141


360009341


551018001


554005001


554020001


90554615

Shut-off cock

Shut-off cocks are used to either interrupt or pressurise a pneumatic circuit. The exhaust allows for the line to be purged downstream.

part number	type	turn	exhaust	ports
334077001	type B	1/4	with	M22x1.5



334077001

Spares and repair kits

part number	description
0020530090	knob; for lift axle valve; black; square; with label (diagramatic)
003575709	linkage; for levelling valve (612...../ 612032…); for valve connection; round
003587409	silencer; for COLAS valve (352018021); M16x150
003603309	connection kit; for ILAS
003607709	connection kit; for electro-magnetic raise/lower valve (338047001)
003607909	connection kit; for ILAS solenoid (360014001)
003614419	cable connector; for ILAS
003614509	connection kit; for ILAS (352037Z51)
003626209	solenoid
003636009	exhaust filter; for COLAS valve (338061…/338062…/338071…)
016357909	square piece; for levelling valve (612035...)
021048309	spring; for raise/lower valve (338021001/ 338048001)
023014809	gasket; for electro-magnetic raise/lower valve solenoid
023015609	gasket; for electro-magnetic raise/lower valve solenoid
024007409	o-ring; for raise/lower valve (338021001/ 338048001)
024055009	o-ring; for ILAS (various)
024055109	o-ring; for electro-magnetic raise/lower valve (338031611/ 338032001/ 338047001)
024062009	o-ring; for electro-magnetic raise/lower valve (338050101/ 338047001)
024063509	o-ring; for electro-magnetic raise/lower valve (338031611/ 338047001/ 338050101/ 360014001)
024063609	o-ring; for electro-magnetic raise/lower valve (338031611/ 338047001/ 338050101/ 352037Z51/ 360014001)
024065609	o-ring; for ILAS
025012209	gasket ring; for pressure limiting valve (357012021/ ..022/ ..031/ ..032/ ..033)
025033709	flap exhaust seal; for ILAS III (321019001/ 352047.../ 352049100)
025046609	lever connector; for levelling valve (612.....); elbow piece
025056509	bellow; for ILAS; rubber
025057909	protection cap; for (for 612 031…)
026015409	disc valve; for raise/lower valve (338050101/ 338031611/ 338032001/ 338047001)
027049009	knob; for ILAS; black; round; without label
027050209	knob; for lift axle valve; black; square; without label
027066509	restrictor; for COLAS valve (338051...); 0.8 mm throttle; white; where height limitation is required


0020530090


003575709

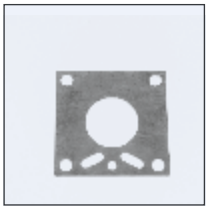

003587409

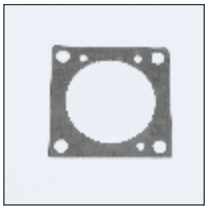

003603309


003607909


003614509


021048309

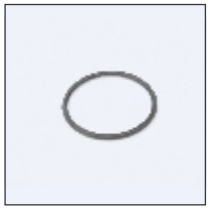

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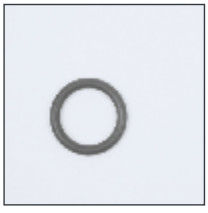

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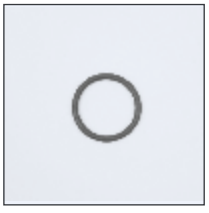

024007409


024055009

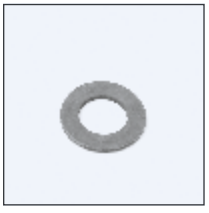

024055109


024062009


024063509


024063609

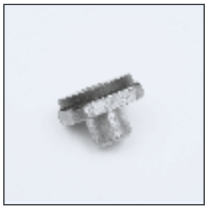

024065609


025012209


025033709


025046609


025056509


026015409


027049009


027050209


027066509

part number	description
031000909	silencer; for ILAS; for exhaust; M22x1.5
031001309	silencer; for ILAS; for exhaust; R1/8''
032071409	fitting; for COLAS valve
032072819	fitting; for COLAS valve (universal); push-in; ø 8 mm
041009809	solenoid; for electro-magnetic raise/lower valve (338.....)
041011509	solenoid; for electro-magnetic raise/lower valve (338031611/ 338047001/ 360014001); double piston
041011909	solenoid; for electro-magnetic raise/lower valve (338050101)
042002009	connector housing; for 3/2-way solenoid valve (360009141/ ..241/ ..341)
045006309	protection cap; for raise/lower valve (338021001/ 338048001); to protect the handle screw
045011609	blind plug; for COLAS (); with tube support
051004909	bolt; for levelling valve (612035...); hexagon type; M6x10; ISO 4017
051009909	bolt; for levelling valve (612032001); hexagon type; M8x12; ISO 4017
051063109	screw; for COLAS valve Handle
054009409	washer; for raise/lower valve; M8; aluminium
055002809	toothed disc; for COLAS valve; 8 teeth
056028909	circlips; for ILAS
059046009	silencer; for ILAS
059046409	port Insert sleeve; for ILAS; for push-in fitting
059047409	clip; for ILAS; for push-in fitting
25047909	protection cover; for levelling valve (612031…)
48100224	linkage; for levelling valve (90554...); SRK 167; max length: 15-7/8''; (for type CR)
48100225	linkage; for levelling valve (90554...); SRK 168; max length: 19-5/8''; (for type CR)
48100287	linkage; for levelling valve (90554...); SRK 225; max length: 13-1/2''; with 12'' control arm; (for type IR)
612025001	linkage; for levelling valve (612.....); chassis connection; M8
90054520	linkage; for levelling valve (90054007)
90054630	lever connector; for levelling valve (90.....); elbow piece
90554148	filter; for levelling valve dump valve (90554461); metric
90554461	dump valve; for levelling valve; normally open; (for type CR); metric fittings
90554902	dump valve; for levelling valve; normally closed; (for type CR); imperial fittings


031000909

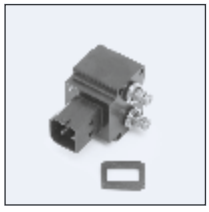

031001309


032071409


032072819


041009809


041011509


041011909


042002009


045006309


051004909


051009909


051063109


054009409


055002809


056028909


059046009


059046409


48100225


48100287


612025001

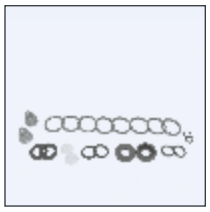

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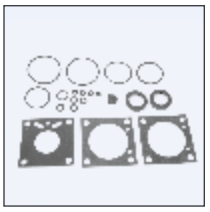

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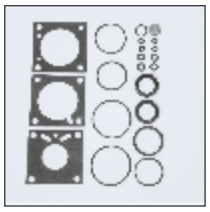

90554461

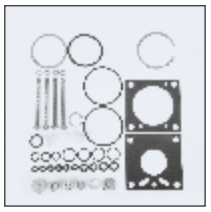
part number	description
950338004	repair kit; for raise/lower valve (338023...)
950338005	repair kit; for raise/lower valve (338021.../ 338036...)
950338006	repair kit; for raise/lower valve (338029001)
950338008	repair kit; for raise/lower valve (338032001)
950338022	repair kit; for electro-magnetic raise/lower valve (338045001/ 338049.../ 338050001)
950338023	assembly kit; for COLAS solenoid
950338027	handle kit; for COLAS valve (338051.../ 338056...); with spindle
950338030	repair kit; for COLAS valve (338053001); with valve, fixing material, exaust filter
950338031	repair kit; for COLAS valve (338052001); with valve, fixing material, exaust filter
950338032	handle kit; for COLAS valve (338051.../ 338056...); without spindle
950338033	solenoid kit; for COLAS (338051111/338057121)
950338036	solenoid kit; for for COLAS+ (338062101); DIN bayonett, 2 pin; single circuit
950338038	solenoid kit; for for COLAS+ (338071001/031); DIN bayonett, 2 pin; dual circuit
950338100	handle kit; for raise/lower valve (338021001)
950352110	solenoid kit; for ILAS-E + COLAS (352061001/ 35206)
950352111	solenoid kit; for ILAS-E (352061011/ 352062011); DIN bayonett, 2 pin
950612007	repair kit; for levelling valve (612032...)
950612009	repair kit; for levelling valve (612025001)
960338021	handle kit; for raise/lower valve (338021001); aluminium; (1x 054009409, 1x 011115109, 1x 051009909, 1x 021048309, 1x 045006309)


950338004


950338005


950338006


950338008


950338022


950338023


950338027


950338030


950338031


950338032


950338100


950352110


950352111

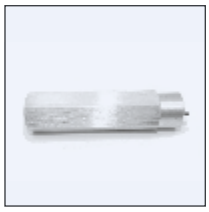

950612009

Tools and test equipment

part number	description
904053001	pressure regulating / setting tool; for ILAS III (352047.../ 352049.../ 352051...)
904054001	adjusting key; for levelling valve (612031.../ 612032...)



904053001



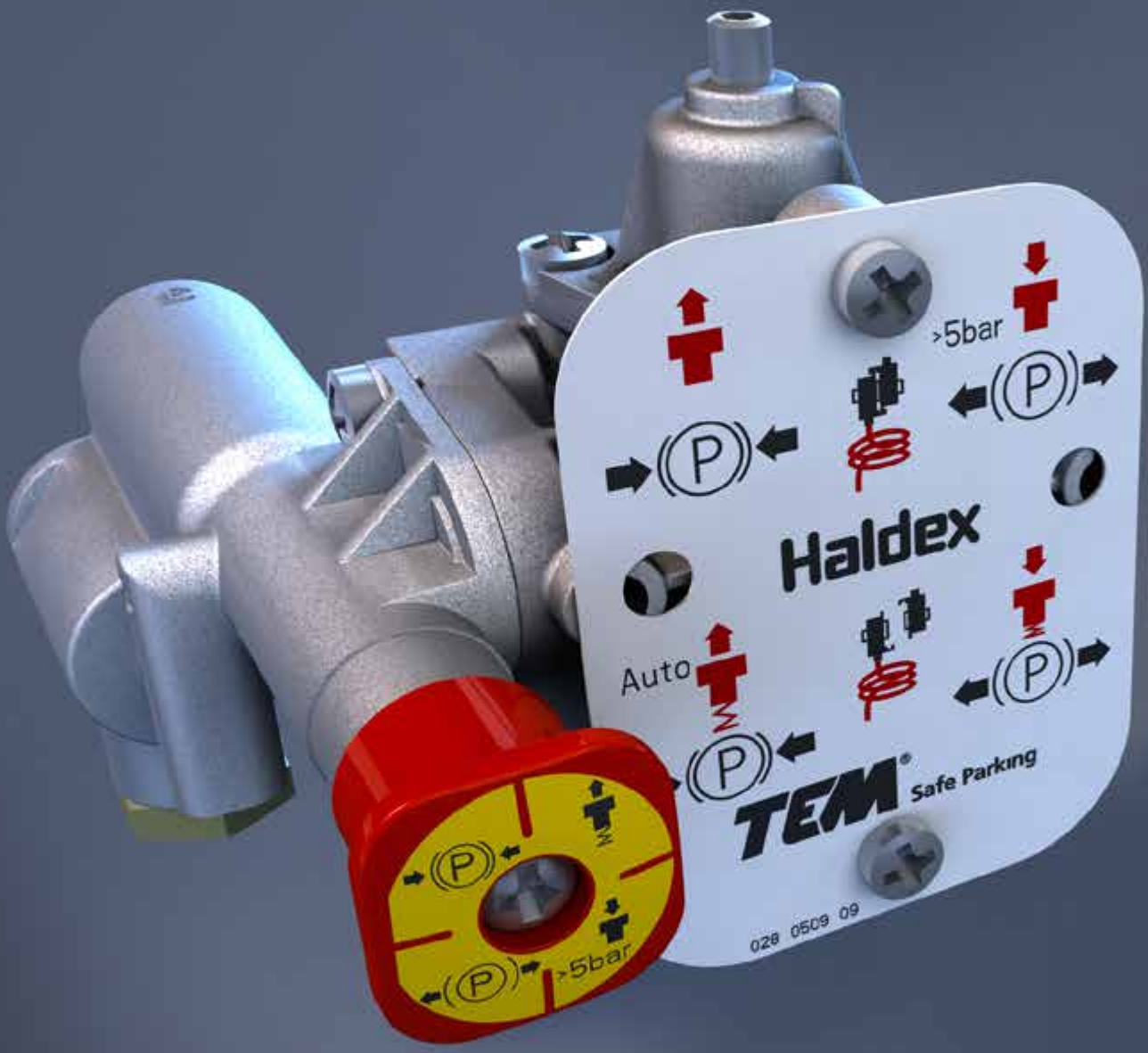
904054001

Miscellaneous

part number	description
003607619	timer relay kit; for ILAS 352032...
028030309	information label; for raise/lower valve 338036006
028035529	data plate; for ILAS 352035.../ 037...



003607619


>5bar
Haldex
Auto
TEM
Safe Parking
028 0509 09
>5bar

AIR BRAKE

TEM® Safe Parking	154	Regulating valves	174
Trailer Control Module	155	Unloader valves	175
Relay emergency valves (REV)	156	Service brake valves	176
Quick release valves (QRV)	158	Hand brake valves	179
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Variable load valves	160	Coupling heads	181
Pressure protection valves	161	Hydrair clutch servo	184
Pressure limiting valves	163	Switches	185
Pressure reducing relay valves	164	Compressors	186
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Check valves	166	Tools & test equipment	193
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Electric solenoid valves	170		
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TEM® Safe Parking

The Trailer Emergency Module (TEM®) is a park and shunt valve with integrated emergency brake valve as well as a pressure protection valve for auxiliary devices (e.g. air suspension) for twin-line air brake equipment in towed vehicles. Safe Parking is an automatic parking brake function which prevents release of parking brakes during trailer coupling and uncoupling.

TEM® satisfies the requirements of EEC Braking Systems Directive 71/320 and ECE R 13.



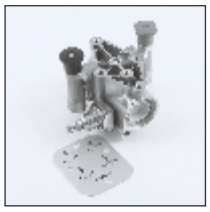
part number	type	pressure protection valve	Shunt valve	label	fittings	port 1	port 1-2	port 12	port 2	port 21
352075001	TEM	with	with	with	without	M22x1.5	M16x1.5	M22x1.5	plug	M16x1.5
352075101	TEM	with	with	with	with	TU 8x1	TU 8x1	TU 8x1	plug	1x TU 8x1 - 1x plug
352075201	TEM	with	with	with	without	M22x1.5	M16x1.5	M22x1.5	plug	M16x1.5
352075011	TEM	without	with	with	without	M22x1.5	M16x1.5	M22x1.5	plug	-
352075031	TEM single knob	with	without	with	without	M22x1.5	M16x1.5	M22x1.5	plug	M16x1.5
352075051	TEM single knob	without	without	with	without	M22x1.5	M16x1.5	M22x1.5	plug	-

Trailer Control Module

The Trailer Control Module (TrCM) is a park and shunt valve with integrated emergency brake valve for the service brake system, as well as a pressure protection valve for auxiliary devices (e.g. air suspension) for twin-line air brake equipment in towed vehicles. The TrCM has a flange-fitted release valve as well as a parking valve for the service brake and the spring brake.



part number	description
352067101	TrCM; pressure protection valve: with; label: with; fittings: without
352067121	TrCM; pressure protection valve: without; label: with; fittings: without
352067201	TrCM; pressure protection valve: with; label: with; fittings: without
352067241	TrCM; pressure protection valve: with; label: with; fittings: with
352067601	TrCM+; pressure protection valve: with; label: with; fittings: without
352067621	TrCM+; pressure protection valve: without; label: with; fittings: without



352067101



352067121

Relay emergency valves (REV)

Relay emergency valves are installed on the towed vehicle. It controls trailer braking when coupled. This valve guarantees that the trailer tanks are filled from the supply line (red), that the trailer brakes are applied when the control line (yellow) is pressurised and that emergency braking is applied in the event of a red line rupture. The 'predominance' device harmonizes the braking of the towing vehicle and the trailer.

part number	no. of circuits	type	ports	predominance (bar)	auto. release valve	light laden valve	max. operating pressure (bar)	note
350001101	single/dual circuit	StVZO/EG	5xM22x1.5	without	with	without	5.5/8.0	(351001131+352001001)
350001601	single/dual circuit	StVZO/EG	5xM22x1.5	without	with	without	5.5/8.0	(351001131+352001001)
350019001	single circuit	StVZO	4xM22x1.5	without	with	without	5.5	(351006011+352001001)
350020201	single circuit	StVZO	4xM22x1.5	without	without	with	5.5	(351006001+352011101)
350020701	single circuit	StVZO	4xM22x1.5	without	without	with	5.5	(351006001+352011101)
350026002	dual circuit	EG	5xM22x1.5	0.0 adjustable	with	without	10.0	(351008012+352012001)
350026102	dual circuit	EG	4xM22x1.5/1xM16x1.5	0.0 adjustable	with	without	10.0	universal version
350027002	dual circuit	EG	5xM22x1.5	0.0 adjustable	without	empty @ 2.0...2.5 bar, 1/2 @ 4.0...4.5 bar, fully laden @ reservoir pressure	10.0	(351008001+352011102+025002109)
350027202	dual circuit	StVZO	4xM22x1.5/1xM16x1.5	0.0 adjustable	without	empty @ 2.0...2.5 bar, 1/2 @ 4.0...4.5 bar, fully laden @ reservoir pressure	10.0	
350028001	dual circuit	Euro	5xM22x1.5	0.5	with	empty @ 2.0...2.5 bar, 1/2 @ 4.0...4.5 bar, fully laden @ reservoir pressure	10.0	(351008011+352012001+025002109)
350028101	dual circuit	StVZO	4xM22x1.5/1xM16x1.5	0.5	without	with	10.0	
351001141	single/dual circuit	StVZO/EG	5xM22x1.5	without	with	without	5.5/8.0	universal version
351001641	single/dual circuit	StVZO/EG	5xM22x1.5	without	with	without	5.5/8.0	universal version


350001101


350019001


350020201


350026002


350026102


350027002


350027202


350028001


350028101


351001141

Relay emergency valves (REV)

part number	no. of circuits	type	ports	predominance (bar)	auto. release valve	light laden valve	max. operating pressure (bar)	note
351006021	single circuit	StVZO	4xM22x1.5	without	without	without	8.0	universal version
351008022	dual circuit	EG	5xM22x1.5	0.0 adjustable	without	without	10.0	universal version
351008024	dual circuit	EG	5xM22x1.5	0.3 adjustable	without	without	10.0	universal version
351008111	dual circuit	EG	4xM22x1.5/1xM16x1.5	0.5 adjustable	without	without	10.0	universal version
351008122	dual circuit	Euro	4xM22x1.5/1xM16x1.5	0.0 adjustable	without	without	10.0	universal version
351008123	dual circuit	Euro	4xM22x1.5/1xM16x1.5	0.2 adjustable	without	without	10.0	universal version
351008124	dual circuit	Euro	4xM22x1.5/1xM16x1.5	0.3 adjustable	without	without	10.0	universal version
351009021	dual circuit	EG	5xM22x1.5	without	without	without	10.0	universal version
351009121	dual circuit	EG	4xM22x1.5/1xM16x1.5	without	without	without	10.0	universal version
351022001	dual circuit	EG	5xM16x1.5/4xM22x1.5	0.2 adjustable	without	without	10.0	universal version
351033001	dual circuit	EG	4xM16x1.5/2xM22x1.5	without	without	without	10.0	for EBS EB+


351006021


351008022


351008024


351008122


351008124


351009021


351009121


351022001


351033001

Quick release valves (QRV)

Quick release valves ensure that air can be released rapidly. Their most common applications are in pneumatic suspensions and exhaust brake chamber cylinders. A special version with a double pilot clapper is used for systems with spring brakes.

part number	type	port 1	port 2	port 3	mounting point	max. operating pressure (bar)	note 1	note 2
350036111	4 port parallel	2x M22x1.5	4x M16x1.5	M22x1.5	with	10.0	with double check valve	
350037001	2 port parallel	2x M16x1.5	2x M16x1.5	without thread	with	10.0	with double check valve	(356023001+333007001)
356001001	1 port delivery	M22x1.5	1x M22x1.5	M22x1.5	without	7.35		
356001011	1 port delivery	M22x1.5	1x M22x1.5	M22x1.5	without	7.35	with reinforced dia-phragm	
356006011	2 port opposite	M22x1.5	2x M22x1.5	M22x1.5	with	8.0		
356022001	4 port parallel	M22x1.5	4x M16x1.5	without thread	with	10.5		
356022011	4 port parallel	M22x1.5	4x M16x1.5	M22x1.5	with	10.5		
356022021	4 port parallel	1/2'' NPTF	4x 1/4'' NPTF	without thread	with	10.5		
356022031	4 port parallel	M22x1.5	4x M16x1.5	M22x1.5	with	10.5	with protected exhaust	
356023001	2 port parallel	M22x1.5	2x M16x1.5	without thread	with	10.5		
356023011	2 port parallel	M22x1.5	2x M16x1.5	M22x1.5	with	10.5		
356023031	2 port parallel	M22x1.5	2x M16x1.5	M22x1.5	with	10.5	with protected exhaust	


356001001


356001011


356006011


356022001


356022011


356022021


356022031


356023001


356023011


356023031

Load sensing valves (LSV)

Load sensing valves are used to automatically adjust braking to the axle load. An automatic correction is possible using two methods. First one is mechanically, by adjusting the pressure according to the mechanical spring flexion; second one is pneumatically, by adjusting the pressure according to the pressure of the air suspension cushions.

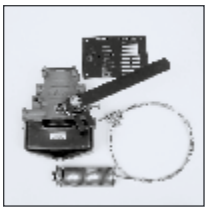
part number	type	automatic control	lever length (mm)	mount height (mm)	shock absorber	spring assembly	data plate	note	max. operating pressure (bar)
351012001	combined LSV/REV	mechanical	25-90	140-1045	without	with	with		10
351014001	combined LSV/REV	pneumatic	-	-	-	without	with	universal version; adjustable but unset	10
601002001	load sensing valve	mechanical	90-176	140-1045	with	with	with		10
601002021	load sensing valve	mechanical	25-50	140-1045	without	with	with		10
601002071	load sensing valve	mechanical	25-50	100-985	without	with	with		10
601002501	load sensing valve	mechanical	90-176	140-1045	with	with	with		10
601002521	load sensing valve	mechanical	25-50	140-1045	without	with	with		10
601013001	load sensing valve	mechanical	50-130	120-1025	without	without	with	with special data plate	10
601013011	load sensing valve	mechanical	50-130	120-1025	without	with	with		10
601013501	load sensing valve	mechanical	50-130	120-1025	without	without	with	with special data plate	10
602005001	load sensing valve	pneumatic	-	-	-	without	with	universal version; adjustable but unset; M16x1.5	10
602006001	load sensing valve	pneumatic	-	-	-	without	with	universal version; adjustable but unset; 1/4''-18NPTF	10
613005001	variable load sensing valve	mechanical	-	-	-	-	-	with linkage	10


351012001


351014001


601002001


601002021


601013001


601013011


602005001


613005001

Variable load valves

Variable load valves are used to adapt the brake pressure in the cylinders of the trailer to the load conditions.

part number	positions	@ empty (bar)	@ 1/4 (bar)	@ 1/2 (bar)	@ 3/4 (bar)	@ full (bar)	release position	ports	setting range empty (bar)	setting range 1/4 (bar)	setting range 1/2 (bar)	max. operating pressure (bar)
352011101	4	1.5/1.9	-	3.0/3.5	-	tank pressure	with	M22x1.5	1.0/2.0	-	3.0/4.5	5.3
352011102	4	2.0/2.5	-	4.0/4.5	-	tank pressure	with	M22x1.5	1.3/2.5	-	3.0/4.5	7.3
352011121	3	1.5/1.9	-	3.0/3.5	-	tank pressure	without	M22x1.5	1.0/2.0	-	3.0/4.5	5.3
352011122	3	2.0/2.5	-	4.0/4.5	-	tank pressure	without	M22x1.5	1.3/2.5	-	3.0/4.5	7.3
352011141	5	0.8/1.2	1.2/2.2	3.2/4.0	4.0/4.8	tank pressure	without	M22x1.5	0.5/1.2	0.8/2.2	-	7.3
352011601	4	1.5/1.9	-	3.0/3.5	-	tank pressure	with	M22x1.5	1.0/2.0	-	3.0/4.5	5.3
352011602	4	2.0/2.5	-	4.0/4.5	-	tank pressure	with	M22x1.5	1.3/2.5	-	3.0/4.5	7.3
352039001	2	3.3	-	-	-	tank pressure	without	M22x1.5	-	-	-	10.0


352011101


352011102


352011122


352011141

Pressure protection valves

Pressure protection valves are designed to protect the energy stored in the tanks. There are three types of overflow valves. With return: fitted between two tanks, for example, when the air taken in by the first tank reduces the pressure. No return: to isolate a tank used for air suspension, for example. Thus a major leak from an air spring does not present any risk for the brake system. With limited return: the applications are the same as the version without return, however, a limited return is permitted.

part number	opening pressure (bar)	closing pressure (bar)	backflow	ports	max. operating pressure (bar)	DIN 74279
314012001	4.5-0.3	-	without	M22x1.5	20.0	C4.5-22
314012002	5.0-0.3	-	without	M22x1.5	20.0	C5.0-22
314012003	5.5-0.4	-	without	M22x1.5	20.0	C5.5-22
314012004	6.0-0.4	-	without	M22x1.5	20.0	C6.0-22
314012005	6.5-0.4	-	without	M22x1.5	20.0	C6.5-22
314012011	13.5-0.5	-	without	M22x1.5	20.0	C13.5-22
314012104	6.2-0.2	-	without	M22x1.5	10.0	C6.0-22
314013001	4.5-0.3	-	with	M22x1.5	20.0	A4.5-22
314013002	6.0-0.4	-	with	M22x1.5	20.0	A6.0-22
314013003	5.5-0.4	-	with	M22x1.5	20.0	A5.5-22
314013005	6.5-0.4	-	with	M22x1.5	20.0	A6.5-22
314013006	3.5-0.3	-	with	M22x1.5	20.0	A3.5-22
314013008	7.3-0.4	-	with	M22x1.5	20.0	A7.3-22
314013012	0.8-0.3	-	with	M22x1.5	20.0	A0.8-22
314013023	8.3-0.4	-	with	M22x1.5	20.0	A8.3-22


314012001


314012002


314012003


314012004


314012005


314012104


314013001


314013002


314013003


314013005


314013006


314013008


314013012

part number	opening pressure (bar)	closing pressure (bar)	backflow	ports	max. operating pressure (bar)	DIN 74279
314014001	4.5-0.3	3.5	limited	M22x1.5	20.0	B4.5-22
314014002	6.0-0.4	5.0	limited	M22x1.5	20.0	B6.0-22
314014003	6.2-0.2	5.7±0.2	limited	M22x1.5	20.0	B6.2-22
314014005	5.5-0.4	-	limited	M22x1.5	20.0	B5.5-22
314014008	7.3-0.3	-	limited	M22x1.5	20.0	B7.3-22
314014012	0.5+0.2	0.8-0.2	limited	M22x1.5	20.0	B0.5-22
314014013	8.5-0.3	min. 7.0	limited	M22x1.5	20.0	B8.5-22
314110001	4.5	-	with	M22x1.5	20.0	À4.5-22
314114001	10.0-0.4	6.0	limited	M22x1.5	20.0	B10.0-22
90554107	75 PSIG	70 PSIG	with	1/4'' NPT	10.0	-
90554151	6.1	5.2	with	M12	10.0	-
314014009	6.4	5.6	limited	M22x1.5	20	B6,4-22
314014011	1.2	0.9	limited	M22x1.5	20	B1.2-22


314014001


314014002


314014003


314014005


314014008


314014012


314110001


90554107


90554151

Pressure limiting valves

Pressure limiting valves are used mainly in axle lift systems where the pressure supplied to the suspension springs is lower than the service pressure supplied to the vehicle.

These valves are also used to reduce the supply pressure to other auxiliary equipment.

part number	pre-set pressure (bar)	setting range (bar)	ports	max. operating pressure (bar)
357001002	0.5	0.0-1.6	M22x1.5	8
357004021	6.0	0.0-7.5	M22x1.5	10
357004024	3.5	0.0-7.5	M22x1.5	10
357004025	4.5	0.0-7.5	M22x1.5	10
357004051	5.0	5.0-10.0	M22x1.5	10
357012021	7.3	6.5-8.5	M22x1.5	12
357012022	7.5	6.5-8.5	M22x1.5	12
357012031	5.0	0.0-8.5	M22x1.5	12
357012032	6.0	0.0-8.5	M22x1.5	12
567002002	1.5	0.0-1.5	M12 + M16x1.5	10
567006001	0.3	-	M12x1.5	8

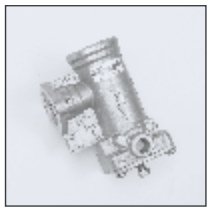

357001002


357004021


357004024


357004025


357012021


357012022


357012031


567002002

Pressure reducing relay valves

Pressure reducing relay valves steadily reduce the input pressure. This valve also has a quick release function.

part number	pressure reduction	ports	max. operating pressure (bar)
357008001	1.35:1	M22x1.5	20

Relay valves

Relay valves transfer a large volume of air from the tanks to the brake chambers and quickly empty the chambers when the brakes are released.

Double relay valves are frequently used in systems with spring brake cylinders to prevent the simultaneous use of the service brake and the parking brake.

part number	port 1	port 2	port 4	chassis connection	max. operating pressure (bar)	note
355018001	M22x1.5	M22x1.5	M16x1.5	2 bolts, with nuts + washers	10.0	
355018011	M22x1.5	M22x1.5	M22x1.5	4 bolts, without nuts + washers	10.0	
355018071	M22x1.5	M16x1.5	M16x1.5	4 bolts, without nuts + washers	10.0	
355023061	M22x1.5	M22x1.5	M22x1.5	2 bolts, with nuts + washers	10.0	
355093001	M22x1.5	M22x1.5	M22x1.5	4 bolts, without nuts + washers	10.0	with secondary control line
KN28300	2x 1/2'' NPT	2x 1/2'' NPT	3/8'' NPT	2x 0.34'' dia. on 1.50'' centers	9.5	


355018001


355018011


355018071


355023061


355093001

Check valves

Check valves allow air to flow, in one direction only.

part number	type	version	mounting point	port 1(1)	port 12	port 2	port 22	note	max. operating pressure (bar)
205001001	single check valve	seal disc	without	1/2'' NPTF	-	1/2'' NPTF male	-		10
314001001	single check valve	shuttle piston	without	M22x1.5	-	M22x1.5	-		10
90554078	low pressure check valve	shuttle piston	without	1/8'' NPT male	-	1/8'' NPT female	-		8
KN25100	double check valve	shuttle piston	without	3/8'' FPT	1/2'' MPT	3/8'' FPT	3/8'' FPT	USA	10


205001001


314001001


KN25100

3/2-way valves

3/2-way valves are used for charging or discharging purposes in pneumatic control systems.

part number	type	control	knob	bellow	return spring	mounting point	ports	for	max. operating pressure (bar)	note
207012001	shunt valve	manual	blue, round, UK label	without	without	without	M16x1.5	-	8.5	ports do not have flush faces
207012021	shunt valve	manual	blue, round, UK label	with	without	without	M16x1.5	-	8.5	
207013001	park valve	manual	red, square, UK label	without	-	without	M16x1.5	-	8.5	ports do not have flush faces
207013021	park valve	manual	red, square, UK label	with	-	without	M16x1.5	-	8.5	
352001001	release valve, for REV Europa	automatic	black, round, without label	-	-	with	M22x1.5	350001... + 351006...	8.0	
352005401	release valve	automatic	black, round button	-	-	with	M22x1.5	-	8.0	
352006201	release valve	automatic	black, round button	-	-	with	M22x1.5	-	8.0	3-way
352007401	release valve	automatic	black, round button	-	-	with	M22x1.5	-	8.0	
352012001	release valve, for REV	automatic	black, round button	-	-	with	M22x1.5	351008.. + 351009...	10.0	with seals


207012001


207012021


207013001


207013021


352001001


352005401


352006201


352007401


352012001

part number	type	control	knob	bellow	return spring	mounting point	ports	for	max. operating pressure (bar)	note
352012601	release valve, for REV	automatic	black, round button	-	-	with	M22x1.5	351008.. + 351009...	10.0	
352018001	shunt valve	manual	blue, round, with label	without	without	without	M16x1.5	-	8.5	ports do not have flush faces
352018011	shunt valve	manual	blue, round, with label	with	without	without	M16x1.5	-	8.5	
352018021	shunt valve	manual	black, round, without label	with	without	without	M16x1.5	-	8.5	army application
352018031	shunt valve	manual	black, round, without label	with	without	without	M16x1.5	-	8.5	army application, with flap valve
352019001	park valve	manual	red, square, with label	without	-	without	M16x1.5	-	8.5	ports do not have flush faces
352019011	park valve	manual	red, square, with label	with	-	without	M16x1.5	-	8.5	ports do not have flush faces
352019031	park valve	manual	red, square, without label	with	-	without	M16x1.5	-	8.5	
352019041	park valve	manual	black, round, without label	with	-	without	M16x1.5	-	8.5	
352025011	shunt valve	automatic	black, round button	without	with	without	M16x1.5	-	8.5	
352026011	park valve	automatic	without	without	-	without	M16x1.5	-	8.5	
352029001	shunt valve	automatic	without	without	without	without	M16x1.5	-	8.5	General Trailers/SDC
352030001	park valve	manual	without	without	-	without	M16x1.5	-	8.5	Daimler/General Trailers/SDC/SESR special
352044001	park + shunt valve combined	manual	black/red	without	without	with	M16x1.5	-	8.5	without non-return valve in port11, with instruction plate
352045001	park + shunt valve combined	manual	black/red	without	without	with	M16x1.5	-	8.5	with non-return valve in port11, with instruction plate
352046001	park + shunt valve combined	manual	black/red	without	without	with	M16x1.5	-	8.5	with instruction plate; emergency function via. parking section of spring brake
352058001	park valve	manual	red, square, with label	with	-	without	M16x1.5	-	8.5	with check valve (for parking brake only)
KN20001	lever operated on-off valve	manual	-	-	-	with	1/8'' NPTF	-	8.5	twisted chrome lever; with exhaust
N13440DN	lever operated on-off valve	manual	-	-	-	with	M5 (1.5'' centres)	-	8.5	twisted chrome lever; with exhaust


352018001


352018011


352018021


352018031


352019001


352019011


352019031

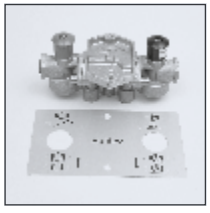

352019041

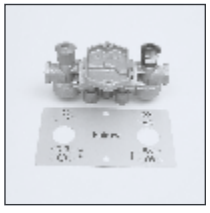

352025011


352026011


352029001


352030001


352044001


352045001


352046001


352058001


KN20001


N13440DN

Safety valves

Safety valves protect air brake systems from excessive air pressure build-up should the compressor unloading device fail.

part number	pre-set opening pressure (bar)	setting range opening pressure (bar)	dust cap	thread
315004001	11.0	7.0-12.0	without	M22x1.5
315004002	8.0	7.0-12.0	without	M22x1.5
315004003	9.5	7.0-12.0	without	M22x1.5
315004022	1.0	0.9-1.4	without	M22x1.5
315004031	0.6	0.5-0.65	without	M22x1.5
315004121	1.3	0.9-1.4	with	M22x1.5
N1178BB	10.3	-	without	3/8-18 NPTF


315004001


315004002


315004003


315004022


315004031


315004121


N1178BB

Electric solenoid valves

Electric solenoid valves are used to control other valves (suspension valves or valves for accessories, such as accessory control).

part number	open or closed	ports	voltage
90054074	normally closed	1/4'' NPT	12V
90054610	normally closed	1/4'' NPT	24V



90054610

Hydraulic trailer control valves

Hydraulic trailer control valves are used in vehicles with hydraulic brakes to control a trailer equipped with a pneumatic braking system.

part number	no. of circuits	control pressure @ 6 bar	medium	hydr. control volume (cm3)	control lever	hydraulic ports	pneumatic ports	max. hydraulic pressure (bar)	max. pneumatic pressure (bar)
329020201	double circuit	60±10%	brake fluid	1.2	looped	M12x1.25	M16x1.5	150	10
329020241	double circuit	60±10%	brake fluid	1.2	flat	M12x1.25	M16x1.5	150	10
329020251	double circuit	86±10%	brake fluid	1.2	flat	M12x1.25	M16x1.5	150	10
329020261	double circuit	8±10%	mineral oil	2.5	flat	M12x1.0	M16x1.5	150	10
329020271	double circuit	8±10%	brake fluid	2.5	flat	M12x1.0	M16x1.5	150	10
329020281	double circuit	60±10%	mineral oil	1.2	looped	M12x1.0	M16x1.5	150	10
329020291	double circuit	15±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020301	double circuit	15±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020321	double circuit	20±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020341	double circuit	30±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020371	double circuit	40±10%	brake fluid	1.2	looped	M12x1.0	M16x1.5	150	10
329020401	double circuit	8.5±10%	mineral oil	2.5	flat	M12x1.0	M16x1.5	150	10
329020421	double circuit	60±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020451	double circuit	8±10%	mineral oil	2.5	flat	M12x1.0	M16x1.5	150	10
329020471	double circuit	60±10%	mineral oil	1.2	looped	M12x1.0	M16x1.5	150	10
329020701	double circuit	60±10%	brake fluid	1.2	looped	M12x1.25	M16x1.5	150	10
329020751	double circuit	86±10%	brake fluid	1.2	flat	M12x1.25	M16x1.5	150	10
329020761	double circuit	8±10%	mineral oil	2.5	flat	M12x1.0	M16x1.5	150	10
329020771	double circuit	8±10%	brake fluid	2.5	flat	M12x1.0	M16x1.5	150	10
329020781	double circuit	60±10%	mineral oil	1.2	looped	M12x1.0	M16x1.5	150	10
329020791	double circuit	15±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020801	double circuit	15±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020811	double circuit	20±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020821	double circuit	20±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020831	double circuit	30±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020841	double circuit	30±10%	mineral oil	1.2	flat	M12x1.0	M16x1.5	150	10
329020901	double circuit	8.5±10%	mineral oil	2.5	flat	M12x1.0	M16x1.5	150	10
329020921	double circuit	40±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329020971	double circuit	60±10%	mineral oil	1.2	looped	M12x1.0	M16x1.5	150	10
329032001	double circuit	30±10%	brake fluid	1.2	flat	M12x1.0	M16x1.5	150	10
329033001	double circuit	20±10%	brake fluid	1.2	flat	M 10x 1	M16x1.5	150	10


329020201


329020241


329020251


329020261


329020271


329020281


329020291


329020301


329020321


329020401


329020421

Pneumatic trailer control valves

Pneumatic trailer control valves control the braking system of the towed vehicle. The dual-circuit control valves drives the braking system of the towed vehicle. The various braking circuits in the tractor vehicle control the valve which applies proportional pressure to the coupling heads.

part number	no. of lines	service pressure (bar)	pressure limitation Pe (bars)	predominance (bar)	pressure lead	plug connection	cut-off valve	integrated 2/2-way throttle valve	ports	note	application
329006121	1	<7.3	5.3	-	-	-	-	-	M22x1.5	for inverted trailer system	
329006361	1	>7.3	5.3	-	-	-	-	-	M22x1.5	for inverted trailer system	
329006621	1	<7.3	5.3	-	-	-	-	-	M22x1.5	for inverted trailer system	
329006841	1	>7.3	5.3	-	-	-	-	-	M22x1.5	for inverted trailer system	
329006861	1	>7.3	5.3	-	-	-	-	-	M22x1.5	for inverted trailer system	
329007001	-	8.0	-	-	-	-	-	-	M22x1.5		-
329015001	-	8.0	-	-	-	-	-	-	M22x1.5		-
355094001	2	11.0	-	0.15	with	with	with	with	5xM22x1.5 + 1xM16x1.5	with silencer	Daimler
355094011	2	11.0	-	0.15	with	with	with	with	5xM22x1.5 + 1xM16x1.5	with exhaust supply	Daimler
355095001	2	11.0	-	0.15	with	with	with	with	5xM22x1.5 + 1xM16x1.5	with exhaust supply	Daimler


329006121


329006361


329007001


329015001


355094001

Multi-circuit protection valves

Multi-circuit protection valves provide the necessary protection for the energy accumulated in the tanks. In the event of a leak or deterioration of a circuit, this valve isolates the faulty circuit and supplies a continuous feed to the other circuits, thereby ensuring a minimum braking level.

part number	no. of circuits	type	opening pressure (bar)	closing pressure (bar)	no. of ports	priority on circuit 1 or 2	non-return valve on circuits 3 + 4	supply port	delivery ports	max. operating pressure (bar)	application
314059001	4	diaphragm	7.0-0.3	4.5	5	yes	yes	1xM22x1.5	4xM16x1.5	18	MAN/DAF



314059001

Regulating valves

Regulating valves are used to control the brake pressure on the front axle of a trailer (load transfer compensation) during light braking. During heavy braking or emergency braking, adaptation is not possible.

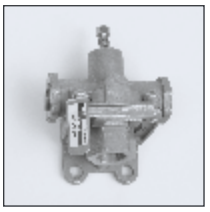
part number	pressure setting (bar)	setting range (bar)	opening to end pressure (bar)	ports	quick release valve	mounting point	test point	max. operating pressure (bar)
356005101	3.0	0-4.0	-	M22x1.5	without	without	without	8.0
356005102	4.0	0-4.0	-	M22x1.5	without	without	without	8.0
356005103	2.5	0-4.0	-	M22x1.5	without	without	without	8.0
356005104	3.5	0-4.0	-	M22x1.5	without	without	without	8.0
356005601	3.0	0-4.0	-	M22x1.5	without	without	without	8.0
356005602	4.0	0-4.0	-	M22x1.5	without	without	without	8.0
356005603	2.5	0-4.0	-	M22x1.5	without	without	without	8.0
356005604	3.5	0-4.0	-	M22x1.5	without	without	without	8.0
356009011	2.0	0.0-5.5	0.5	M22x1.5	with	with	without	10.0
356009012	1.3	0.0-5.5	0.3	M22x1.5	with	with	without	10.0
356010011	3.5	0.0-5.5	0.8	M22x1.5	with	with	VG8 (DIN 74326-B)	8.0
356010031	3.5	0.0-5.5	0.8	M22x1.5	with	with	M16x1.5 (ISO 3583)	8.0

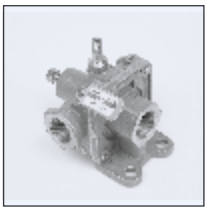

356005101


356005102


356005103


356005104


356009011


356010011


356010031

Unloader valves

Unloader valves are used to control the pressure in the brake system.

part number	cut-out (bar)	switching range (bar)	safety valve op. pressure (bar)	signal (22/23)	ancillary port	tyre inflator connection	application
312013512	7.3±0.2	0.6+0.4	10-12	cut-in	plugged	with	Kässbohrer
312017514	8.1±0.2	0.6+0.4	10-12	cut-in	plugged	with	Renault/Iveco/MAN/ Daimler
312017541	10.0±0.2	0.7+0.5	10-12	cut-in	plugged	with	MAN/Daimler
312019511	5.3-5.6	4.8	9-11	-	without	with	
312019512	7.35±0.2	6.2-6.6	9-11	-	without	with	
312029014	8.1±0.2	0.6+0.4	9-11	cut-out	without	with	
312029015	5.3+0.3	0.5+0.3 - 0;1	9-11	cut-out	open	with	
312030002	10.0±0.2	0.6+0.4	10-12	cut-out	open	with	
312041001	8.1±0.2	0.6+0.4	9-11	cut-out	open	without	
312041002	9.5±0.2	0.6+0.4	10-12	cut-out	open	without	
312042001	8.1±0.2	0.6+0.4	9-11	cut-out	open	without	
312029012	7.3±0.2	0.6+0.4	9-11	cut-out	without	with	
312043011	7.3±0.2	0.6+0.4	9-11	cut-out	without	with	


312029014


312041001


312041002


312042001

Service brake valves

Service brake valves allow for modulation of brake pressure with good progressivity. They are used in pneumatic or air/hydraulic systems.

For valves with two circuits, one circuit must be operational if the other is defective.

part number	no. of circuits	pedal	operation	pressure reduction	pressure variation Dp (bar)	no. of ports	ports	front axle regulation	max. operating pressure (bar)	application
320003103	single circuit	@ 20 degrees	pneumatic	without	without	3	M22x1.5	without	8.0	
320052011	double circuit	without (plunger)	pneumatic	2.0:1	0.1	5	M16x1.5	front axle regulation exhaust port	10	MAN/VW
320053001	double circuit	without (plunger)	pneumatic	without	0.3	4	M16x1.5	without	10	MAN/VW/ Nissan
320060101	double circuit	without (plunger)	pneumatic	1.5:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060102	double circuit	without (plunger)	pneumatic	1.5:1	0.2	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060103	double circuit	without (plunger)	pneumatic	1.5:1	0.1	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060111	double circuit	without (plunger)	pneumatic	2.0:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060112	double circuit	without (plunger)	pneumatic	2.0:1	0.2	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060121	double circuit	without (plunger)	pneumatic	2.7:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060122	double circuit	without (plunger)	pneumatic	2.7:1	0.2	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060123	double circuit	without (plunger)	pneumatic	2.7:1	0.1	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060601	double circuit	without (plunger)	pneumatic	1.5:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	


320003103


320052011


320053001


320060101


320060102


320060103


320060111


320060112


320060122


320060123

part number	no. of circuits	pedal	operation	pressure reduction	pressure variation Dp (bar)	no. of ports	ports	front axle regulation	max. operating pressure (bar)	application
320060602	double circuit	without (plunger)	pneumatic	1.5:1	0.2	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060603	double circuit	without (plunger)	pneumatic	1.5:1	0.1	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060612	double circuit	without (plunger)	pneumatic	2.0:1	0.2	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060613	double circuit	without (plunger)	pneumatic	2.0:1	0.1	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060621	double circuit	without (plunger)	pneumatic	2.7:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060622	double circuit	without (plunger)	pneumatic	2.7:1	0.4	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320060623	double circuit	without (plunger)	pneumatic	2.7:1	0.1	5	M22x1.5 + M16x1.5	front axle regulation exhaust port GWN 00.025	10	
320062111	double circuit	without (plunger)	pneumatic	2.0:1	0.3	5	M22x1.5 + M16x1.5	front axle regulation exhaust port	10	
320062611	double circuit	without (plunger)	pneumatic	2.0:1	0.3	5	M22x1.5 + M16x1.5	front axle regulation exhaust port	10	
320063101	double circuit	without (plunger)	pneumatic	1.5:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063102	double circuit	without (plunger)	pneumatic	1.5:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063103	double circuit	without (plunger)	pneumatic	1.5:1	0.1	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063111	double circuit	without (plunger)	pneumatic	2.0:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063112	double circuit	without (plunger)	pneumatic	2.0:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063114	double circuit	without (plunger)	pneumatic	2.0:1	0.6	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063121	double circuit	without (plunger)	pneumatic	2.7:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063122	double circuit	without (plunger)	pneumatic	2.7:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063123	double circuit	without (plunger)	pneumatic	2.7:1	0.1	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	


320063101


320063103


320063112


320063114


320063121


320063122


320063123

part number	no. of circuits	pedal	operation	pressure reduction	pressure variation Dp (bar)	no. of ports	ports	front axle regulation	max. operating pressure (bar)	application
320063601	double circuit	without (plunger)	pneumatic	1.5:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063602	double circuit	without (plunger)	pneumatic	1.5:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063603	double circuit	without (plunger)	pneumatic	1.5:1	0.1	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063611	double circuit	without (plunger)	pneumatic	2.0:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063612	double circuit	without (plunger)	pneumatic	2.0:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063613	double circuit	without (plunger)	pneumatic	2.0:1	0.1	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063614	double circuit	without (plunger)	pneumatic	2.0:1	0.6	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063621	double circuit	without (plunger)	pneumatic	2.7:1	0.4	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063622	double circuit	without (plunger)	pneumatic	2.7:1	0.2	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
320063623	double circuit	without (plunger)	pneumatic	2.7:1	0.1	5	M22x16 + M16x1.5	front axle regulation exhaust port	10	
560025041	single circuit	@ 27 degrees	hydraulic	without	without	3	M14x1.5	without	30...40	for excavators
560030001	single circuit	@ 45 degrees	hydraulic	without	without	3	M14x1.5	without	40	for excavators
KN22100	single circuit	without (plunger)	pneumatic	without	without	8	supply 2x 1/2'' + 2x 1/4''; delivery 4x 1/2''	without	9	USA
KN22150	double circuit	without (plunger)	pneumatic	without	without	8	3/8 18NPTF	without	9	USA
KN22501	double circuit	@ 45 degrees	pneumatic	without	without	8	3/8 18NPTF	without	9	USA
N30099LA	double circuit	without (plunger)	pneumatic	without	without	8	3/8 18NPTF	without	9	USA



KN22501

Hand brake valves

Hand brake valves are used to control the parking brake and as an auxiliary control for the service brake.

A locking device is provided to lock the valve in the park position.

part number	lever length (mm)	handle type	gate position	test position	no. of ports	ports	max. operating pressure (bar)
328008031	160	smooth	without	without	3	M12x1.5	5.5
328011521	155	smooth	L/H	without	3	M14x1.5	8
328012531	155	smooth	R/H	with	4	M14x1.5	8



328008031

Governor valves

Governor valves are used to control the pressure in the brake system.

part number	cut-in (bar)	range	unloader port	note
312040011	7.2 +0.34	1.6±0.5	1/8'' 27 NPTF	with gaskets + plugs
73183S	8.1±0.2	0.8±0.2	M10x1.0	for the Haldex air drier (series 100/200)



312040011



73183S

Coupling heads

Coupling heads are used to connect the brake circuits in the tractor vehicle to the brake circuits in the towed vehicle.

Tractor coupling heads include an integrated valve which automatically interrupts the power when the lines are uncoupled. Thus the tow heads open the valve as soon as they are coupled to the tractor heads. DIN ISO 1728 heads are the most commonly used heads in Europe, with the exception of the UK, where type C & CA are generally the most common.

part number	type	colour	for line	cover	port	automatic shut-off	connection cam	valve lifter	check valve	test point	filter	standard	max. operating pressure (bar)	note
200015001	male C coupling	-	emergency	-	1/2'' NPTF	-	-	without	-	without	with-out	BSAU138a	10.0	
200016011	male CA coupling	-	secondary	-	M22x1.5	-	-	without	-	without	with-out	BSAU138a	10.0	
334004001	palm coupling	black	emergency	plastic	M22x1.5	automatic	without	-	-	without	with-out	DIN 74294-A	8.0	
334007001	palm coupling	black	emergency	plastic	M22x1.5	without	without	-	-	without	with-out	DIN 74294-B	8.0	
334028001	dummy palm coupling	-	service/ emergency	-	-	-	-	-	-	-	-	-	-	for couplings without self-seal valve
334053211	palm coupling	-	service/ emergency	without	M16x1.5	without	without	-	-	without	with-out	ISO 1728	10.0	
334053231	palm coupling	-	service/ emergency	without	M22x1.5	without	without	-	-	without	with-out	ISO 1728	10.0	
334053261	palm coupling	-	service/ emergency	without	1/2'' NPTF	without	without	-	-	without	with-out	ISO 1728	10.0	


200015001


200016011


334004001


334007001


334028001


334053211


334053231


334053261

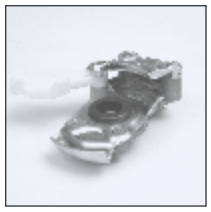
part number	type	colour	for line	cover	port	automatic shut-off	connection cam	valve lifter	check valve	test point	filter	standard	max. operating pressure (bar)	note
334053301	palm coupling	-	service/ emergency	without	M22x1.5	without	without	-	-	without	with-out	ISO 1728	10.0	
334053311	palm coupling	-	service/ emergency	without	1/2'' NPTF	without	without	-	-	without	with-out	ISO 1728	10.0	
334054201	palm coupling	yellow	service	plastic	M16x1.5	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334054211	palm coupling	yellow	service	plastic	M22x1.5	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334054231	palm coupling	yellow	service	plastic	1/2'' NPTF	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334054241	palm coupling	yellow	service	plastic	M16x1.5	locating pin	with	-	-	with	with-out	ISO 1728	10.0	
334054401	palm coupling	yellow	service	plastic	M16x1.5	locating pin	with	-	-	without	with	ISO 1728	10.0	
334054441	palm coupling	yellow	service	plastic	M16x1.5	locating pin	with	-	-	with	with	ISO 1728	10.0	
334055201	palm coupling	red	emergency	plastic	M16x1.5	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334055211	palm coupling	red	emergency	plastic	M22x1.5	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334055231	palm coupling	red	emergency	plastic	1/2'' NPTF	locating pin	with	-	-	without	with-out	ISO 1728	10.0	
334055401	palm coupling	red	emergency	plastic	M16x1.5	locating pin	with	-	-	without	with	ISO 1728	10.0	
334063001	palm coupling	red	emergency	steel	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334063011	palm coupling	red	emergency	plastic	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334064001	palm coupling	yellow	service	steel	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334064011	palm coupling	yellow	service	plastic	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334066001	dummy palm coupling	-	service/ emergency	-	-	-	-	-	-	-	-	-	-	for couplings with self-seal valve


334053301


334053311


334054231


334054201


334054211


334054241


334054401


334054441


334055201


334055211

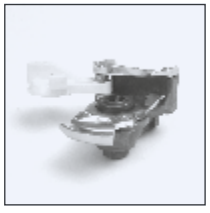

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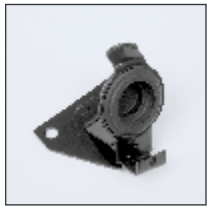

334055401


334063001


334063011


334064001


334064011


334066001

part number	type	colour	for line	cover	port	automatic shut-off	connection cam	valve lifter	check valve	test point	filter	standard	max. operating pressure (bar)	note
334071001	palm coupling	red	emergency	steel	M22x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334072001	palm coupling	yellow	service	steel	M22x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334078001	palm coupling	yellow	service	plastic	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334079001	palm coupling	red	emergency	plastic	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334080001	palm coupling	red	emergency	plastic	M16x1.5	automatic	with	-	-	without	with-out	ISO 1728	10.0	
334081001	palm coupling	yellow	service	plastic	M16x1.5	automatic	with	-	-	without	with	ISO 1728	10.0	
334082001	palm coupling	black	service/ emergency	plastic	M22x1.5	automatic	without	-	-	without	with-out	DIN 74294	10.0	
334084001	palm coupling	yellow	service	plastic	M16x1.5	automatic	with	-	-	without	with	ISO 1728	10.0	0
339018001	female C coupling	red	emergency	-	M22x1.5	-	-	without	-	without	with-out	BSAU138b	10.0	with self-seal valve
339019001	male C coupling	yellow	service	-	M22x1.5	-	-	without	-	without	with-out	BSAU138b	10.0	with self-seal valve
339020001	female C coupling	red	emergency	-	M16x1.5	-	-	without	-	without	with-out	BSAU138b	10.0	with self-seal valve
339021001	male C coupling	yellow	service	-	M16x1.5	-	-	without	-	without	with-out	BSAU138b	10.0	with self-seal valve
339022001	male C coupling	red	emergency	-	M22x1.5	-	-	without	-	without	with-out	BSAU138b	10.0	
339023001	female C coupling	yellow	service	-	M22x1.5	-	-	with	-	without	with-out	BSAU138b	10.0	
N20415NB	palm coupling	red	emergency	without	1/2'' NPTF	without	with	-	without	without	with	EST-3119	10.0	USA
N20415PB	palm coupling	blue	service	without	1/2'' NPTF	without	with	-	without	without	with	EST-3119	10.0	USA


334071001


334072001


339018001


339019001

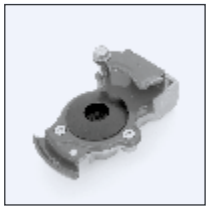

339020001


339021001


339022001


339023001


N20415NB


N20415PB

Hydrair® clutch servos

Hydrair® clutch servos are pneumatic assistance devices which reduce the force required to declutch.

part number	displacement volume (cm3)	hydr. medium	port 3	length (mm)	weight (kg)	op. press. pneu. (bar)	op. press. hydr. (bar)
321010101	12.5	brake fluid DOT4+ or DOT4	without	275	3.6	8.5	140
321015001	16.7	brake fluid DOT4+ or DOT4	snorkel	275	3.6	8.5	140
321019001	17.8	brake fluid DOT4+ or super-DOT4	flap valve	235	1.9	10.0	140
321020001	16.7	brake fluid DOT4+ or DOT4	snorkel	231	1.9	10.0	140
321023001	17.8	brake fluid DOT4+ or super-DOT4	boot	262	1.9	10.0	140
321024001	18.8	brake fluid DOT4+ or super-DOT4	boot	234	1.9	10.0	140
321025001	18.8	mineral oil Pentosin CHF 11S	boot	259	1.9	10.0	140
321027001	18.8	brake fluid DOT4+ or super-DOT4	boot	260	1.9	10.0	140
321027002	18.8	brake fluid DOT4+ or super-DOT4	boot	260	1.9	10.0	140
321028001	18.8	brake fluid DOT4+ or super-DOT4	snorkel	257	1.9	10.0	140
321030001	15.5	mineral oil Pentosin CHF 11S	boot	259	1.9	10.0	140
321031001	15.5	brake fluid DOT4+ or super-DOT4	boot	260	1.9	10.0	140
321033001	15.5	brake fluid DOT4+ or super-DOT4	boot	256	1.9	10.0	140
337002001	-	brake fluid DOT4 or super-DOT4 or SAE J 1703	-	-	2.7	-	40


321010101


321015001


321019001


321020001


321023001


337002001

Switches

Switches are used to activate electronic circuits such as pilot lights, acoustic control, electromagnetic valves etc...

A control switch in the brake system enables activation of the brake lights when the brakes are activated.

part number	type	port	cut-in (bar)	cut-out (bar)	terminals	note
361006102	pressure switch	M12x1.5 male	-	0.7	screw	
361006201	pressure switch	M12x1.5 male	0.5	-	spade	
361006302	pressure switch	M12x1.5 male	-	5.5	spade	
361006305	pressure switch	M12x1.5 male	-	4.5	spade	
361006306	pressure switch	M12x1.5 male	-	2.5	spade	
361007001	pressure switch	M12x1.5	0.5	-	screw	
361007104	pressure switch	M12x1.5	-	5.0	screw	
361007201	pressure switch	M12x1.5	0.5	-	spade	
361007301	pressure switch	M12x1.5	-	4.5	spade	
361007302	pressure switch	M12x1.5	-	5.0	spade	
361007305	pressure switch	M12x1.5	-	5.5	spade	
90054088	rotational air control switch	1/8'' NPT	-	-	-	manually operated
BE13241	low pressure switch	1/8'' NPTF male	4.55	-	screw	
337002001	-					


361006102


361006201


361006302


361006305


361006306


361007001


361007104


361007201


361007301


361007302


361007305

Compressors

Compressors are driven by the vehicle engine. They compress the air for the braking and suspension systems.

part number	type	cooling medium	no. of cylinders	version	voltage	ports	stroke volume (cm3)	output capacity (l/min)	max. speed (rpm)	max. operating pressure (bar)	weight (kg)	flap valve	hydraulic pump bracket for ZF pump	note
301109003	compressor	air cooled	1	KS100 DLU	-	M22x1.5	100	150	3000	8	8.4	with	-	universal version Konus 20
301110028	compressor	air cooled	1	KS100 DLU	-	M22x1.5	100	150	3000	8	8.6	with	-	universal version Konus 25
301111011	compressor	air cooled	1	KS100 DLPB	-	M22x1.5	100	150	3000	8	9.0	with	-	
301112003	compressor	air cooled	1	KS100 DLE	-	M22x1.5	100	150	3000	8	8.4	without	-	Eicher + Hanomag Ölrücklauf
301114001	compressor	air cooled	1	KS100 TL	-	M22x1.5	100	150	3000	8	8.4	without	-	
301205107	compressor	air cooled	1	K225 DLPZ	-	M26x1.5	229	330	3000	8	11.5	with	with	


301109003


301110028


301111011


301112003


301114001

Spares and repair kits

part number	description
0020526090	knob; for park valve; red; square; with UK label (''pull to park'')
0020527090	knob; for shunt valve; blue; round; with UK label (''push to shunt'')
003005209	valve poppet; for service brake valve (320003103/ ..603/ ..114/ 560002303)
003005919	valve poppet; for trailer brake control valve (329007001)
003038009	cable assembly; for load sensing valve (mechanical); with cable, cable clamp + spring; 135 mm spring
003038609	cable assembly; for load sensing valve (mechanical); with cable, cable clamp + spring; 120 mm spring
003480209	spring; for load sensing valve (mechanical)
003485509	purge valve; for Hydrair clutch servo (321027001)
003500409	lever; for trailer control valve (329020241/ 251/ 261/ 271/ 291/ 301/ 311/ 321/ 331/ 341/ 401/ 421)
003508909	valve poppet; for service brake valve
003535309	cable clamp; for load sensing valve (mechanical)
003634009	cable assembly; for load sensing valve (mechanical); with cable, cable clamp + spring; 80 mm spring
012010409	compressor head; for compressor; single piston
014009209	brace plate; for trailer control valve
014062309	base casing; for load sensing valve (351012001/ 601002.../ 601013...)
014101509	base casing; for load sensing/ REV combined (351014001/ 602005...)
015052609	lever; for load sensing valve (351012001/ 601002021/ 601013001/ 601016001)
016188609	handle; for hand brake valve (328011011)
017008009	plug; for compressor
021016309	compression spring; for variable load valve (601002021/ 601013001/ 601016001/ 602005001/ 602006001)
021064509	spring; for load sensing valve (602005001)
022006109	spring; for trailer brake control valve (329007001)
022014709	spring; for load sensing valve (601002001); for lever
022018909	spring; for load sensing valve (601013...); for lever
0220501090	seal; for palm coupling; recessed type (USA)
023002409	gasket; for compressor
023004009	gasket; for compressor


003005209


003005919


003038009


003038609


003480209


003485509


003508909

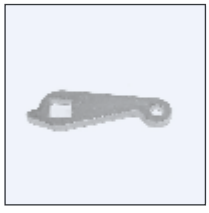

003535309


012010409

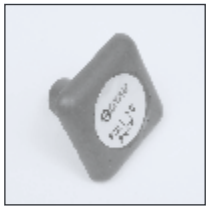

014009209


014062309


014101509


015052 609


017008009


0020526090


0020527090


021016309

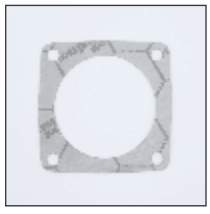

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022006109


022014709

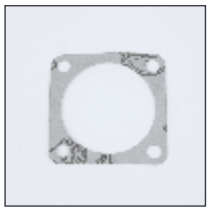

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0220501090


023002409

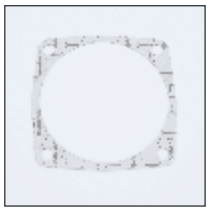

023004009

part number	description
023004209	gasket; for compressor
023005209	gasket; for compressor
023011209	gasket; for compressor
023011409	gasket; for compressor (301153...)
023012009	gasket; for compressor (301153...)
023015809	gasket; for compressor
024006109	o-ring; for compressor
024006709	o-ring; for relay emergency valve (351008122/ 380351001)
024006909	o-ring; for trailer control valve (355094001)
024007909	o-ring; for variable load valve (various)
024008509	o-ring; for relay emergency valve (350026003)
024008809	o-ring; for trailer control valve (321020001/ 329020331/ 355094001/ 554020001)
024010009	o-ring; for unloader valve (329020291/ 329020301)
024010309	o-ring; for compressor
024014509	o-ring; for trailer control valve
024017209	o-ring; for compressor
024018709	o-ring; for trailer control valve (329020201-329020421)
024020909	o-ring; for compressor
024030109	o-ring; for trailer control valve (329020201-329020421)
024032309	o-ring; for trailer control valve (329020201-329020421)
024032809	o-ring; for relay valve
024047409	grooved ring; for trailer control valve (329020201-329020421)
025001209	valve disc; for 3-way pilot valve
025002109	washer; for relay emergency valve (350027.../ 350028...)
025006709	seal; for trailer control valve (329007001)


023 004 209

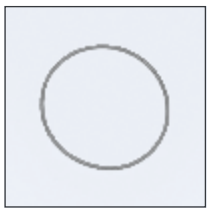

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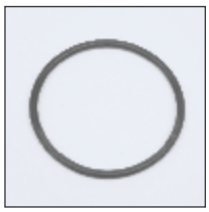

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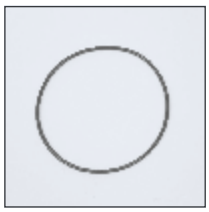

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023012009


023015809


024006109

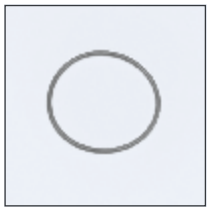

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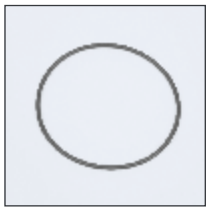

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024007909


024008509

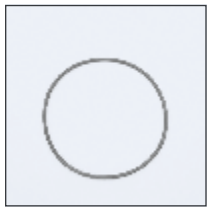

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024010309


024014509

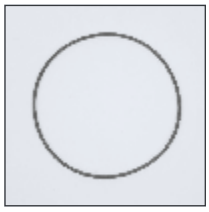

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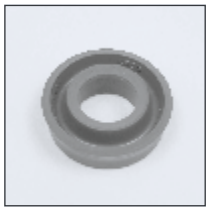

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024020909


024030109

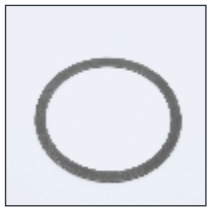

024032309


024032809


024047409


025001209


025002109


025006709

part number	description
025013109	cup seal; for trailer control valve
025014109	protection cap; for clutch servo
025014209	Protecting Cover; for regulating valve
025021309	sealing cap; for load sensing valve
025034109	dust cap; for pressure switch (361006.../ 361007...)
025034409	knotted cup seal; for trailer control valve (329020201-329020421)
025034709	protecting cover; for unloader valve
025034809	washer; for trailer control valve (329020201-329020421)
025034909	tab; for unloader valve
025045509	protection cap; for multi circuit protection valve (314018001/ 314023001)
025047809	protecting cover; for load sensing valve + levelling valve (352011.../ 612.....)
025048209	seal; for palm coupling; compression type
025052309	rubber boot; for shunt valve (352018011)
026000709	cup seal; for relay valve
026003209	cone cup; for relay valve
026003409	valve disc; for unloader valve (312002.../ 312003.../ 312011.../ 312012...)
026004709	cone cup; for relay valve
026006509	valve seat; for unloader valve
026012909	valve body; for relay emergency valve (351008122/ 380351001/ 554020001)
027002409	knob; for release valve (352005.../ 352006.../ 352007...); black; round
027004809	blanking plug; for unloader valve (312013.../ 312017.../ 312018.../ 312019.../ 312028.../ 312029.../ 312030...)
027009829	piston rod; for relay valve
027010109	valve part; for relay valve (355018011); upper section
027010209	valve part; for relay valve (355018011); lower section
027018009	valve body; for trailer control valve (329020201-329020421)
027018010	rotary cap; for compressor
027022209	knob; for combined park + shunt + REV release valve (352044.../ 352045.../ 350026002); black; round
027023309	valve seat; for service brake valve (003508909)


025013109


025014109

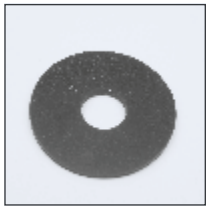

025014209


025021309


025034109


025034409


025034709


025034809


025034909


025045509


025047809


025048209


025052309

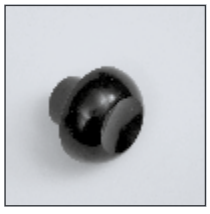

026000709


026003209


026003409


026004709


026006509

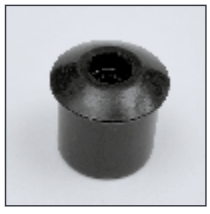

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027004809

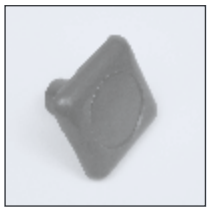

027010109


027010209


027018009


027022209

part number	description
027047009	knob; for park valve; red; square; without label
027047109	knob; for shunt valve; blue; round; without label
0270510090	return spring; for shunt valve; for 'dead man' function
027056509	cover; for relay emergency valve (351008122/ 380351001)
027056609	adapter; for service brake valve (32006....)
027059409	knob; for combined park + shunt valve (352044.../ 352045...); red; round
029000109	cage filter; for raise/lower valve (various)
029000409	cage filter; for relay emergency valve (various)
031000109	silencer; for compressor; for exhaust; M12x1.5
031000209	air filter; for compressor; for intake; M22x1.5
0323620016	blanking plug; for compressor (-)
039001909	suction valve; for compressor
039002109	outlet valve; for compressor
039005309	reed valve; for compressor
039005909	piston; for compressor
039006109	piston; for compressor; ø65mm
039006709	piston; for compressor (301109003/ 301110028)
042021209	contact bush; for electrical connection; F7
049001409	gasket; for load sensing valve (613005...); angled
049004009	gasket; for load sensing valve (601002...); angled
056003309	safety clip; for compressor
059008009	piston ring; for compressor; 65x59.2x2.5 mm
059008109	piston ring; for compressor; 65x59.2x5 mm
059008609	piston ring; for compressor; 65x59.5x2.5 mm
059018309	piston ring; for compressor; 90x82.2x2.5 mm
059043909	piston ring; for compressor (039006109); 65x2.5
200019001	self-seal valve; for C-coupling (female); 1/2'' NPTF; red


027047009

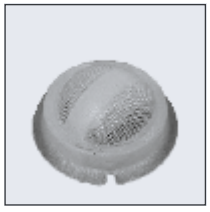

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0270510090


027056509


027056609

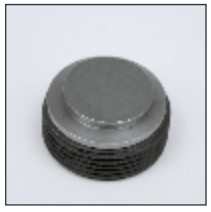

027059409


029000109


029000409


031000109


031000209


039001909


039002109


039005309


039006109


039006109


042021209


049001409

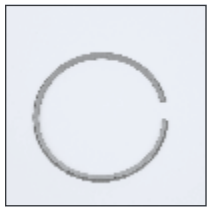

056003309


059008009


059008109


059008609


059018309


059043909


200019001

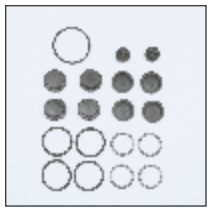
part number	description
364450011	cable + connectors; for EPV valve; to connect EPV to ILAS-E; branched connector; PUR; 7.0 m cable
364452001	cable + connectors; for EPV valve; to connect EPV to PC; socket housing; 7/6 pole
364454001	cable + connectors; for EPV valve; to connect EPV to ILAS-E; single connector; PUR; 1.5 m cable
364454011	cable + connectors; for EPV valve; to connect EPV to ILAS-E; single connector; PUR; 7.0 m cable
48100200	air filter; for pressure protection valve (905541..); SRK143
90054123	bracket; for hand control valve (90054082)
950301030	repair kit; for compressor
950312007	repair kit; for unloader valve (312017...)
950314005	repair kit; for multi circuit protection valve (314029001)
950320002	repair kit; for service brake valve (320003...)
950320010	repair kit; for service brake valve (320015.../ 320034...)
950320013	repair kit; for service brake valve (320020001)
950320014	repair kit; for service brake valve (320021001)
950320020	repair kit; for service brake valve (320060.../ 320062.../ 320063...)
950321021	repair kit; for clutch servo (321010001)
950321023	repair kit; for clutch servo (321013001)
950321025	repair kit; for clutch servo (321015...)
950321027	repair kit; for clutch servo (321018.../ 321019...)
950321028	repair kit; for clutch servo (321020001)
950321030	repair kit; for clutch servo (321023001)
950328002	repair kit; for hand brake valve (328011...)
950329002	repair kit; for trailer control valve (for 329006…)
950329006	repair kit; for trailer control valve (329017011)
950329011	repair kit; for trailer control valve (329020331331 brake fluid)
950329012	repair kit; for trailer control valve (329020311 brake fluid)
950329013	repair kit; for trailer control valve (329020261/ ..401/ ..451/ ..452)
950329016	repair kit; for trailer control valve (329020271)
950334002	repair kit; for palmcoupling (334063/ 334064...)
950350008	repair kit; for relay emergency valve (350026001/ ..002)
950351001	repair kit; for relay emergency valve (351006.../ 351019.../ 351020...)
950351004	repair kit; for relay emergency valve (351008...)
950351005	repair kit; for load sensing/ REV Combined (351012001)
950351007	repair kit; for relay emergency valve (351022...)
950351008	repair kit; for load sensing/ REV Combined (351014...)
950351009	repair kit; for relay emergency valve (351009...)
950352013	repair kit; for Trailer Control Module (3520671../2..)
950355004	repair kit; for relay valve (355018...)

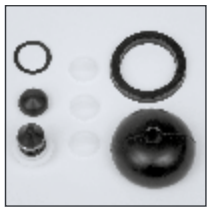

364450011


364454001


364454011

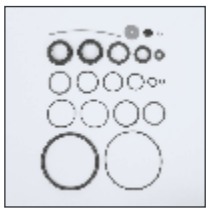

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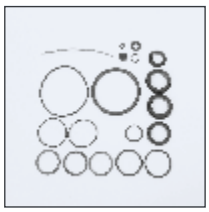

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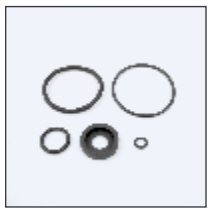

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950320020


950321025

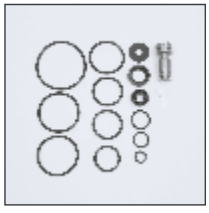

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950321028

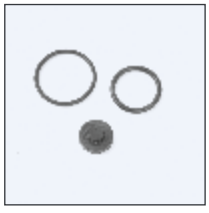

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950329006


950329011


950329012

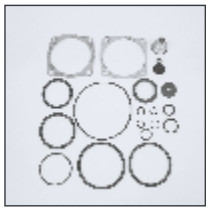

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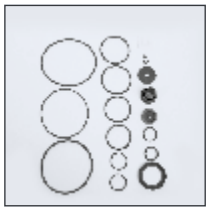

950334002


950350008


950351001

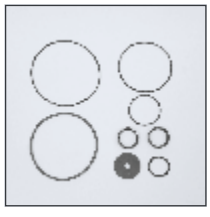

950351004


950351005

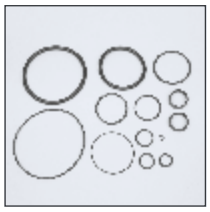

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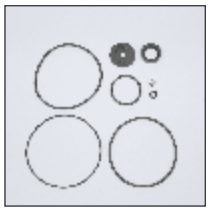

950351008


950351009


950355004

part number	description
950355009	repair kit; for relay valve (355016241/ ..244)
950355013	repair kit; for relay valve (355024001)
950355014	repair kit; for relay valve (355023.../ 355028.../ 355029...)
950355026	repair kit; for trailer control valve (355071.../ 355082...)
950356003	repair kit; for quick release valve (356001...)
950560001	repair kit; for service brake valve (560002...)
950601004	repair kit; for load sensing valve (mechanical 1987+)
950602008	repair kit; for load sensing valve (pneumatic 1987+)
EQ2604	piston assembly; for compressor (EL1300/ EL1600); with wrist pin + rings; standard size
EQ2614	piston ring kit; for compressor (EL1300/ EL1600); 1 set; standard size
EQ2620	con rod + bearing; for compressor (EL1300/ EL1600); standard size
EQ2630	bearing kit; for compressor (EL1300/ EL1600); 1 set; standard size; for con rod
KN31025	in-line filter; for pressure protection valve (KN31000/ KN31001/ KN31002/ KN31003/ KN31010/ KN31011); ports: 1/4'' male to 1/4'' female
MR3033	repair kit; for compressor; for crankcase
RN10JP	repair kit; for service brake valve (N30099LA)
027075109	red knob for park valve
027075209	black knob for park valve
950329018	repair kit; for trailer control valve (329020301/
950352016	repair kit for push in fitting (2 joints + 1 claw)


950355009


950355013

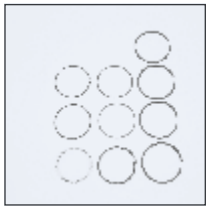

950355014


950356003


950560001


950602008

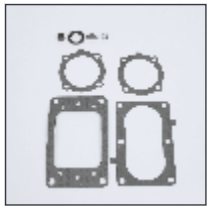

EQ2604


EQ2614


EQ2620


EQ2630


KN31025


MR3033


RN10JP

Tools & test equipment

part number	description
009408909	air pressure gauge, single; for pressure control tool box; 0-16 bar; with special connection
037002429	air pressure gauge, single; 0-16 bar; M16x150


009408909


037002429

Miscellaneous

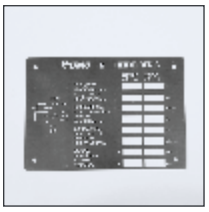
part number	description
0130503090	tube clamp; for 3/8'' tube; 17/64'' mounting hole
022018309	bend protection spring; for air hoses directly connected to couplings; (334054.../ 055...)
028002609	Identification tag; for palm coupling; red; 'EMERGENCY''
028003109	Identification tag; for palm coupling; yellow; 'SERVICE''
028021609	data plate; for mechanical load sensing valve; (D/GB/F)
028027909	data plate; for mechanical load sensing valve; (D/GB/F)
028028009	data plate; for pneumatic load sensing valve; (D/GB/F)
028037909	data plate; for pneumatic load sensing valve; (D/GB/PL)
028044309	label; for Trailer Control Module
0324521112	hose clamp
033016009	air brake coil; yellow; 4.0 m useable length; DIN74323
033016509	air brake coil; red; 4.0 m useable length; DIN74323
380073490	air brake kit; for 2 axle semi-trailer
612080001	manifold; 1x TU12x1.5; 7x TU8x1
612080011	manifold; 8x TU8x1
850000001	air brake kit
940000030	air brake kit; type HW 80
S21/15W	hose clamp; ø21mm
VPNEU078	valve; for axle blocking; vertical level
028041029	sticker information for COLAS
028047609	information plate TrCM


0130503090

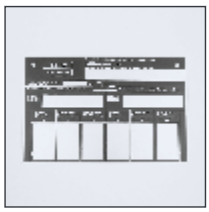

022018309


028002609


028003109

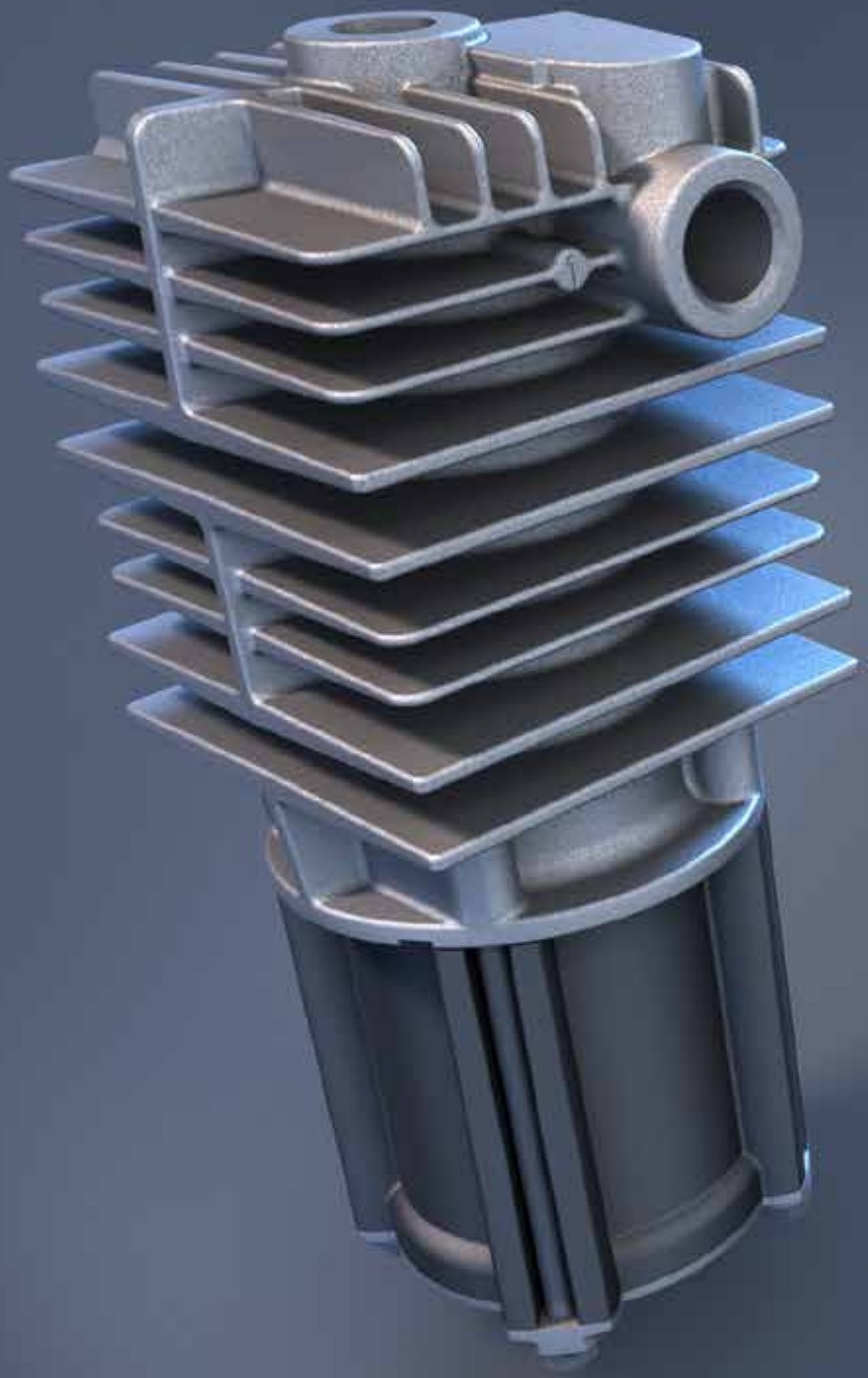

028021609


028027909


028028009


033016009


033016509



AIR TREATMENT

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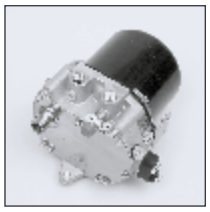
Single air driers (SD)

Single air driers remove water vapour, carbon and hydrocarbons from the compressed air supply. Regular maintenance of the air driers, in particular the replacement of the desiccant cartridge, will greatly increase the life of the pneumatic system.

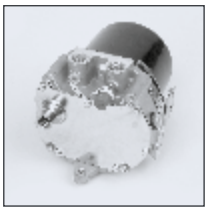
The SD type uses a standard cartridge.

part number	casting cut-out (bar)	cut-out tolerance	range	safety valve (bar)	chassis connection	inlet 1/ outlet 2	heating element	electrical connection	regeneration	purge tank connection	silencer/ exhaust outlet	unloading valve/ Governor signal inlet	Governor valve connection	note
71230	without Governor	-	-	without	M12x1.75	M22x1.5	plug-in, 24V/90W	without	on-line	-	with	M10x1	-	
71233	without Governor	-	-	13	M12x1.5	M22x1.5	M24, 24V/90W	M24	off-line	M10x1	with M22x1.5	M10x1	M10x1	with Governor valve bracket
71239	without Governor	-	-	without	M12x1.75	M22x1.5	plug-in, 24V/90W	without	off-line	M10x1	with	M10x1	M10x1	
71240	without Governor	-	-	13	M12x1.5	M22x1.5	without	without	off-line	M10x1	with M22x1.5	M10x1	M10x1	with Governor valve bracket


71230


71233


71239


71240

Single air driers (SDX)

Single air driers remove water vapour, carbon and hydrocarbons from the compressed air supply. Regular maintenance of the air driers, in particular the replacement of the desiccant cartridge, will greatly increase the life of the pneumatic system.

The SDX type uses a multi-treatment cartridge (MTC).

part number	cut-out (bar)	cut-out tolerance	range	inlet 1/ outlet 21	outlet 22	heating element	port 4 signal outlet	silencer/ exhaust outlet	black box No.	application	note
310024001	8.5	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	M12x1.5	without (ø20)	92924S	0	with MTC+
310050001	8.1	±0.2	0.6+0.4	M22x1.5	M12x1.5	24V Costal	-	with	71847		
310051001	9.0	±0.2	0.6+0.4	M22x1.5	M12x1.5	24V Costal	-	with	003064909		
310055001	without Governor	-	-	M22x1.5	M12x1.5	30V Deutsch	-	without (ø20)	003065309		
310056001	8.5	±0.2	0.8±0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5	without (quick)	92924S		sealed valve unit (SVU) + MTC+
310057001	9.0	±0.2	1.3±0.2	1/2''NPTF	1/4''NPTF	30V Packard	1/4''NPTF	without (ø20)	003065709	MCI Coach	sealed valve unit (SVU) + MTC+
310058001	9.0	±0.2	0.8±0.2	1/2''NPTF	1/4''NPTF	30V Packard	1/4''NPTF	with	003065809	Prevost	with MTC+
77055	without Governor	-	-	1/2''NPTF	1/4''NPTF	without	1/4''NPTF	with	86792S	USA basic unit	
77304	9.5	±0.2	0.6+0.4	Voss 12	Voss 8	24V Costal	-	with	77411S	Daimler	
77316	8.1	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	-	with	71847S	DAB	
77497	10.0	+0.2	1.0+0.2	M22x1.5	-	24V Costal	M12x1.5	with	78141S	Sisu	
78124	12.5	±0.2	1.3±0.2	M22x1.5	-	without	M12x1.5	with	78709S	Iveco/Karosa	
78127	8.9	±0.2	1.3±0.2	1/2''NPTF	-	24V Costal	1/4''NPTF	with	78712S	Foden Trucks	
78128	without Governor	-	-	M22x1.5	M12x1.5	without	M12x1.5	without (ø25)	78175S	Terex 2566C/3066C (Post '98)	with 3 screws M12x35
78130	without Governor	-	-	Voss 12	Voss 8	24V Costal	Voss 8	with	78186S	Daimler	M-B
78209	10.0	±0.2	1.0+0.3	M22x1.5	-	without	-	with	78169S	Renault	AM
78210	12.5	-0.5	1.0+0.3	M22x1.5	-	without	-	with	78170S	Renault	AM
78211	8.7	+0.3	1.0+0.3	M22x1.5	-	without	-	with	78171S	Renault	AM
78219	8.7	+0.3	1.0+0.3	M22x1.5	-	without	-	without (ø20)	78730S	Renault	AM

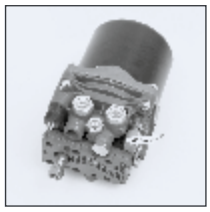

77304


77316


77497


78124


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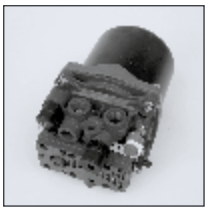

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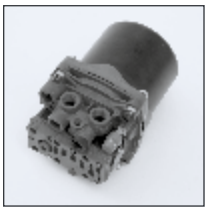
part number	cut-out (bar)	cut-out tolerance	range	inlet 1/ outlet 21	outlet 22	heating element	port 4 signal outlet	silencer/ exhaust outlet	black box No.	application	note
78648	8.8	±0.2	0.6+0.4	M22x1.5	M12x1.5	24V Costal	-	with	78699S	Van Hool	
78649	9.9	-0.3	1.2+0.4	M22x1.5	-	24V Costal	-	with	78716S	Vogel	
78752	8.7	+0.3	1.0+0.3	M22x1.5	-	without	-	without (quick)	78945S	Renault	
78754	10.0	±0.2	1.0+0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5	with	78141S	Sisu	
78758	without Governor	-	-	M22x1.5	M12x1.5	24V Costal	M12x1.5	with	87333S	Kockums	
78982	without Governor	-	-	M22x1.5	M12x1.5	without	Voss 8	with	78186S	Volvo	to replace Wabco TD
78983	without Governor	-	-	M22x1.5	M12x1.5	without	M12x1.5	with	87333S	Oudsten Bussen	
78984	9.3	±0.2	0.9±0.3	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	87346S	Scania	AM
78985	12.2	±0.2	0.9+0.7	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	87347S	Scania	AM
78986	10.3	±0.2	0.9±0.3	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	87348S	Scania	AM
78988	8.5	±0.2	0.8±0.2	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	78717S	Volvo	AM
78990	12.0	±0.2	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	78703S	Volvo	AM
83327	11.0	±0.2	1.3±0.3	M22x1.5	M12x1.5	24V Costal	-	with	83341S	Jelcz	
83392	8.1	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	-	with	71847S	El Detalle	
83493	8.0	+0.3	1.5±0.2	M22x1.5	M12x1.5	24V Costal	-	with	86575S	Kamaz	
86576	10.0	±0.2	0.8±0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5/plugged	with	86583S	Dennis Bus	
87189	10.0	±0.2	1.4±0.3	M22x1.5	-	without	M12x1.5/plugged	with	78949S	Dennis Bus	
87194	8.1	±0.2	1.0±0.2	M22x1.5	M12x1.5	without	-	with	89477S	Nasco Cairo	
87282	10.8	±0.2	1.3±0.2	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	87332S	Volvo	
87295	10.3	±0.2	0.9±0.3	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	87348S	Scania	
87296	8.5	±0.2	0.8±0.2	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	78717S	Volvo	
87297	11.5	+0.3	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	78104S	Volvo	
87298	without Governor	-	-	M22x1.5	M12x1.5	without	M12x1.5	with	87333S	Volvo	
87337	10.0	±0.2	1.4±0.3	M22x1.5	M12x1.5	without	M12x1.5/plugged	with	78949S	Volvo	
89104	10.0	±0.2	1.0+0.5	Voss 12	Voss 8	without	-	with	89125S	Volkswagen	
89274	9.8	+0.3	1.0+0.3	1/2''NPTF	1/4''NPTF	24V Packard	1/4''NPTF/plugged	without (ø20)	89275S	Caterpillar	
89464	without Governor	-	-	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	89446S	Scania	AM
90026	9.1	+0.4	1.3+0.1/-0.3	M22x1.5	M12x1.5	24V Costal	M12x1.5	with	90039S	Temsa	
90215	9.5	±0.2	0.9±0.3	M22x1.5	M12x1.5	24V Deutsch	M12x1.5	without (ø20)	90216S	Scania	AM
90268	8.5	±0.2	0.8±0.2	1/2''NPTF	1/4''NPTF	without	-	with	90269S	Volvo	AM
90451	8.5	±0.2	0.8±0.2	M22x1.5	M12x1.5	24V Costal	-	without (quick)	90453S	Liebherr	


78648


78649


78754


78982

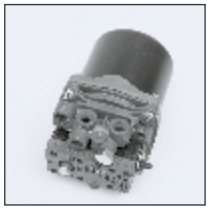

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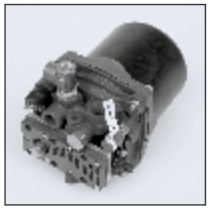

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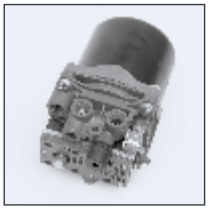

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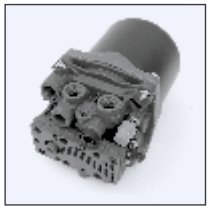

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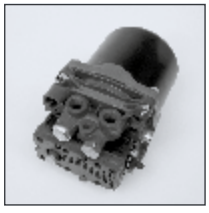

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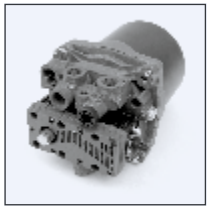

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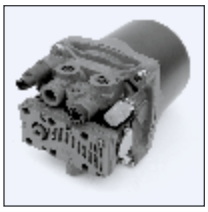

87337


90215

part number	cut-out (bar)	cut-out tolerance	range	inlet 1/ outlet 21	outlet 22	heating element	port 4 signal outlet	silencer/ exhaust outlet	black box No.	application	note
90474	without Governor	-	-	1/2''NPTF	1/4''NPTF	without	1/4''NPTF	with	86792S	USA basic unit	
90475	8.6	+0.2	1.4+0.3/-0.1	1/2''NPTF	1/4''NPTF	without	1/4''NPTF	with	86791S	USA basic unit	
90498	without Governor	-	-	1/2''NPTF	1/4''NPTF	24V Packard	1/4''NPTF	with	86792S	Van Hool	
90548	12.0	±0.2	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5	with	90549S	Volvo	AM
90994	without Governor	-	-	1/2''NPTF	1/4''NPTF	without	1/4''NPTF	without (ø20)	90995S	USA basic unit	
90996	8.6	+0.2	1.4+0.3/-0.1	1/2''NPTF	1/4''NPTF	without	1/4''NPTF	without (ø20)	90997S	USA basic unit	
91309	without Governor	-	-	1/2''NPTF	1/4''NPTF	24V Packard	1/4''NPTF	with	86792S	Van Hool	
91379	without Governor	-	-	M22x1.5	-	24V Costal	1/4''NPTF	with	86792S	CRMS	
92060	8.1	±0.2	1.0±0.2	M22x1.5	M12x1.5	without	-	with	89477S	Volvo	AM
92196	8.5	±0.2	0.8±0.2	1/2''NPTF	1/4''NPTF	30V Packard	1/4''NPTF	with	92223S	Nova Bus	
92925	12.0	±0.2	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5	without M12x1.5	92923S	Volvo	sealed valve unit
92926	8.5	±0.2	0.8±0.2	M22x1.5	M12x1.5	without	M12x1.5	without (ø20)	92924S	Volvo	sealed valve unit
93096	10.8	±0.2	1.3±0.2	M22x1.5	M12x1.5	without	M12x1.5	without (ø20)	93101S	Volvo	sealed valve unit (SVU) / MTC+
93097	12.0	±0.2	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5	without (ø20)	93102S	Volvo	sealed valve unit (SVU) / MTC+
93143	8.9	±0.2	0.7+0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5/plugged	with	93146S	Solaris	with MTC+
93144	without Governor	-	-	M22x1.5	M12x1.5	24V Costal	M12x1.5	with	93147S	Solaris	with MTC+
93179	9.8	±0.2	0.9+0/-0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5/plugged	without (quick)	93440S	VDL Jonck-heere	sealed valve unit (SVU) / MTC+
93363	8.5	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	M12x1.5	with	93362S	TAT, SA	with MTC+
93572	9.3	±0.2	1.4±0.3	1/2''NPTF	1/4''NPTF	30V Packard	-	with	93671S	MCI Coach	
93677	10.0	±0.2	0.7+0.2	M22x1.5	M12x1.5	24V Costal	M12x1.5/plugged	with	93678S	Solaris	with MTC+
93680	8.3	±0.2	1.0±0.2	M22x1.5	M12x1.5	12V Deutsch	M12x1.5	with	93679S	BMC	with MTC+
93729	10.3	±0.2	0.9±0.3	M22x1.5	M12x1.5	30V Deutsch	M12x1.5	without (ø20)	93728S	Scania	sealed valve unit (SVU) / MTC+

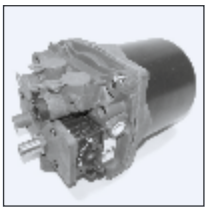

90498


90548


91309


91379


92060


93097


93179

Twin air driers (TD)

Twin air driers remove water vapour, carbon and hydrocarbons from the compressed air supply. The periodic replacement of the two desiccant cartridges will significantly lengthen the lifetime of the components of the pneumatic system.

part number	series	cut-out (bar)	cut-out tolerance	range	safety valve (bar)	chassis connection	inlet 1/ outlet 21	heating element	unloading valve/ Governor signal inlet	drain valve/ exhaust outlet	silencer/ exhaust outlet	gasket unloading valve	max. operating pressure (bar)	application
71200	200	8	+0.4	0.7+0.5	13	M12x1.75	M22x1.5	M27, 24V/90W	with (connected)	with	with (ø18)	without	10	Renault
71201	200	8.9	+0.4	0.7+0.5	13	M12x1.75	M22x1.5	M27, 24V/90W	with (connected)	with	with (ø18)	without	10	Renault
71202	200	8.5	±0.2	0.6+0.4	13	M12x1.5	M22x1.5	M27, 24V/90W	with (connected)	with	with (ø18)	without	10	Daimler
71203	200	without Governor	-	-	13	M12x1.5	M22x1.5	without	with (M10x1)	with	without	without	10	
71206	200	without Governor	-	-	without	M12x1.75	M22x1.5	M24, 24V/90W	without	with nipple ø10 (R 1/4'')	without	without	10	Scania Bus
83377	200	8	+0.4	0.7+0.5	13	M12x1.75	M22x1.5	M27, 24V/90W	with (connected)	with	with (ø18)	with	10	Renault
83379	200	8.9	+0.4	0.7+0.5	13	M12x1.75	M22x1.5	M27, 24V/90W	with (connected)	with	with (ø18)	with	10	Renault
90028	200	without Governor	-	-	without	M12x1.75	M22x1.5	M24, 24V/90W	without	with nipple ø10 (R 1/4'')	without	without	10	Gothenburg Tramway
77304	9.5	±0.2	0.6+0.4	Voss 12	Voss 8	24V Costal	-	with	77411S					Daimler
77316	8.1	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	-	with	71847S					DAB
78990	12.0	±0.2	1.0±0.3	M22x1.5	M12x1.5	without	M12x1.5/ plugged	with	78703S					Volvo
83327	11.0	±0.2	1.3±0.3	M22x1.5	M12x1.5	24V Costal	-	with	83341S					Jelcz
83392	8.1	±0.2	0.6+0.4	M22x1.5	M12x1.5	without	-	with	71847S					El Detalle
83493	8.0	+0.3	1.5±0.2	M22x1.5	M12x1.5	24V Costal	-	with	86575S					Kamaz


71200


71201


71203


71206

Drain valves

Drain valves are used to purge the air tanks. The automatic drain valve (ADV) automatically removes any condensed water which has been collected at the lowest point of the tank. It is also possible to actuate all valves manually.

part number	type	version	connection thread	cable length (m)	pressure variation Dp (bar)	electrical connection	relay	max. operating pressure (bar)	note
206001001	automatic drain valve (ADV)	P Diff	1/4'' NPTF	without	-	-	-	-	
206001601	automatic drain valve (ADV)	P Diff	1/4'' NPTF	1.8	-	-	-	-	
206002001	manual drain valve	-	1/4'' NPTF	without	-	-	-	-	
206004001	drain tap	-	1/4'' NPTF	-	-	-	-	-	petcock type
206005751	manual drain valve	-	M22x1.5	2.3	-	-	-	-	with ring
315016001	automatic drain valve (ADV), in-tank	-	M22x1.5	-	0.2-0.5 bar	-	-	20	
315016011	automatic drain valve (ADV), in-tank	-	M22x1.5	-	0.8 bar	-	-	20	
315016021	automatic drain valve (ADV), in-tank	-	M22x1.5	-	0.2 bar	-	-	20	
315019021	manual drain valve	-	M22x1.5	-	-	-	-	13	without ring
315019031	manual drain valve	-	M22x1.5	-	-	-	-	13	with ring
315031001	automatic drain valve (ADV), in-tank	-	M22x1.5	-	0.2-0.4 bar	-	-	20	
71311S	automatic drain valve (ADV)	elec	M22x1.5	-	-	M24, 24V/0.5A	with-out	20	
71313	automatic drain valve (ADV)	elec	1/4'' NPTF	-	-	M24, 24V/0.5A	with-out	20	strainer Ø 5.5; without nut SW 30
71317S	automatic drain valve (ADV)	elec	M22x1.5	-	-	M24, 12V/1A	with-out	20	


206001001


206001601


206002001

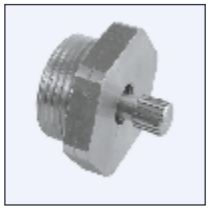

206004001


206005751


315016001


315016011


315016021


315019021


315019031


315031001


71311S


71313


71317S

part number	type	version	connection thread	cable length (m)	pressure variation Dp (bar)	electrical connection	relay	max. operating pressure (bar)	note
71318	automatic drain valve (ADV)	elec	1/2'' NPTF	-	-	M24, 24V/0.5A	without	20	without nut SW 30
71323S	automatic drain valve (ADV)	elec	M22x1.5	-	-	M27, 24V/0.5A	without	20	
71325	automatic drain valve (ADV)	elec	M22x1.5	-	-	M24, 24V/0.5A	without	20	without nut SW 30
71341	automatic drain valve (ADV)	elec	M22x1.5	-	-	M24, 24V/0.5A	with	20	with electrical contact + relay
71345	automatic drain valve (ADV)	elec	1/4'' NPTF	-	-	M24, 12V/1A	with	20	with electrical contact + relay
71347	automatic drain valve (ADV)	elec	M22x1.5	-	-	M24, 12V/1A	with	20	with electrical contact + relay
89179	automatic drain valve (ADV)	elec	1/4'' NPTF	-	-	24V/0.5A	without	20	with pigtail (0.3m cable); strainer Ø 5.5


71318


71323S


71325


71341


71345


71347

Consep condensers

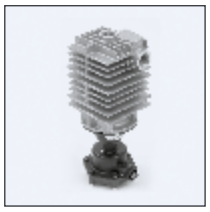
Consep condensers are powerful air pre-treatment systems which remove up to 90 percent of all impurities and harmful substances from the compressed air. Consep is installed between the compressor and the air drier. It is recommended for particularly strong air flow: e.g. buses, waste collecting trucks or snap body trucks.

part number	version	type	thread connection	voltage/current	electrical connection	drain collector	ADV No	ADV info.	max. operating pressure (bar)	note	application
310041001	pneumatic	quick-fit	M22x1.5	-	-	without	-	-	15		
91790	electric	quick-fit	(1) M22x1.5,(2) Voss 232 NG12	24V/0.5A	M27x1	with	92003S		20		EvoBus
91790S	electric	quick-fit	(1) M22x1.5,(2) Voss 232 NG12	24V/0.5A	M27x1	with	92003S		20		EvoBus
92573S	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	with	92569S		20	with eletrical contact assembly kit (inc. relay)	Scania
92671S	electric	quick-fit	M22x1.5	24V/0.5A	M27x1	with	92003S		20		EvoBus
92693S	electric	quick-fit	M22x1.5	24V/0.5A	M27x1	without	92692S		20		DC
92695	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	without	92694S		20		Volvo
92695S	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	without	92694S		20		Volvo
92751	electric	quick-fit	1/2''NPTF	24V/0.5A	pigtail, cable L=0.3m	without	92749S		20	anodized housing	USA
92752	electric	quick-fit	1/2''NPTF	12V/1A	pigtail, cable L=0.3m	without	92750S		20	anodized housing	USA
92793	electric	quick-fit	M22x1.5	24V/0.5A	pigtail, cable L=1m, DIN contact	without	92790S		20		Volvo
92793S	electric	quick-fit	M22x1.5	24V/0.5A	pigtail, cable L=1m, DIN contact	without	92790S		20		Volvo
92794	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	with	92569S	draining box turned 180 degrees	20		
92794S	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	with	92569S	draining box turned 180 degrees	20		
92795	electric	quick-fit	M22x1.5	12V/1A	M24x1	without	92791S		20		
92796	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	without	92694S	ADV turned 180 degrees	20		Iveco
92796S	electric	quick-fit	M22x1.5	24V/0.5A	M24x1	without	92694S	ADV turned 180 degrees	20		Iveco
92797S	electric	quick-fit	M22x1.5	24V/0.5A	pigtail, cable L=1m, Deutsch contact	with	92997S	draining box turned 60 degrees	20		Scania
92939S	electric	quick-fit	M22x1.5	24V/0.5A	pigtail, cable L=1m, DIN contact	with	92996S	swivel draining box	20		Volvo


91790


92573S


92671S


92695


92795


92796

In-line filters

In-line filters protect the valves against solid particles. In-line filters are usually mounted on the power and control lines of towed vehicles to protect the downstream circuit.

part number	thread connection	filter	max. operating pressure (bar)	note
310005001	M16x1.5	clip-in	20.0	for pipe circuits to DIN 74347
310005011	M22x1.5	clip-in	20.0	for pipe circuits to DIN 74347, standard OE fit


310005001


310005011

Anti-freeze injectors

The anti-freeze injectors are used in vehicles which are not equipped with an air drier. This pump sprays liquid antifreeze into the pneumatic circuit, preventing the formation of frost and ice in the pipes, tanks and valves.

part number	operation	volume (litres)	switching positions	output quantity (cc)	cut-off device	ports	max. operating pressure (bar)
313019021	automatic	0.25	without	0.50	without	M22x1.5	18.0



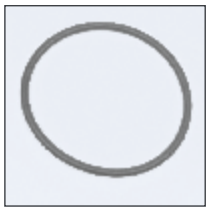
313019021

Spares and repair kits

part number	description
024016509	o-ring; for anti-freeze injector
024027609	o-ring; for ECAM
024044309	o-ring; for anti-freeze injector
026003309	valve poppet; for anti-freeze injector; complete lower section
027001309	reservoir; for anti-freeze injector; 0.25l
027010909	reservoir Lid; for anti-freeze injector
029000309	filter; for In-line filter
041013609	time + brake relay; for automatic drain valve/Consep; side + brake light
54183S	valve lifter; for automatic drain valve/Consep; for ADV/Consep without drain collector
71020	repair kit; for twin air drier drain valve
71034	air drier cartridge kit; for twin air drier; x2
71036	centre section repair kit; for twin air drier; 10 bar
71038	repair kit; for twin air drier shuttle valve
71039	centre section repair kit; for twin air drier; 13 bar
71053	unloading valve + repair kit; for single air drier; (with unloading valve 73400)
71054	air drier cartridge + repair kit; for single air drier
71057	repair kit; for single/twin air drier unloading valve; series 100
71058	repair kit; for twin air drier non-return valve
71059	air drier cartridge kit; for single air drier
71060	repair kit; for single air drier non-return valve outlet
71136S	regeneration tank; 6 litres
71327	repair kit; for automatic drain valve; complete
71376	repair kit; for Consep; condenser side
71847S	black box; for single air drier SDX


024016509

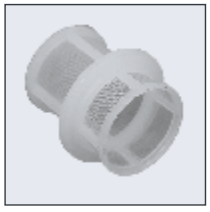

024027609


024044309


026003309


027001309


027010909


029000309


041013609


54183S

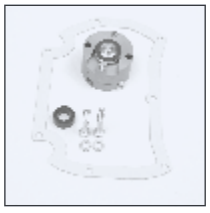

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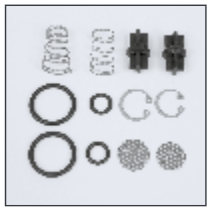

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71053


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71136S


71327

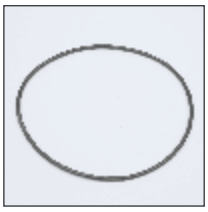

71376


71847S

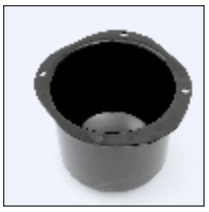
part number	description
71868S	cartridge grip ring kit; for single air drier SDX
73084S	gasket; for single/twin air drier
73096	o-ring; for single/twin air drier; 150x4
73176S	non-return valve outlet; for twin air drier; thread: M22
73198	canister; for single/twin air drier
73200S	safety valve; for single/twin air drier; 13 bar
73268S	washer; for twin air drier; metal bar with hole
73314S	hose connection; for drain valve/unloading valve; M10x1 (6mm)
73316S	non-return valve outlet; for twin air drier; thread: M22
73333S	drain valve; for twin air drier; aluminium
73340S	diaphragm; for single/twin air drier
73343S	unloading valve; for twin air drier; aluminium
73351	non-return valve outlet; for single air drier; thread: M22
73354S	inlet nipple; for single air drier; thread: M22
73444	silencer kit; for twin air drier
73481S	heating element; for single/twin air drier; 24V/90W
73482S	non-return valve inlet; for twin air drier; thread: M22/M24
73483S	non-return valve inlet; for twin air drier; thread: M22/M24
73492S	heating element; for single/twin air drier; 24V/90W
73561S	inlet valve; for twin air drier; thread: M22/M24
73568S	adapter; for single/twin air drier, automatic drain valve + Consep; for heating element/coil
73574S	unloading valve; for single air drier; plastic/aluminium
73582S	Governor valve bracket; for single/twin air drier
73589S	drain valve; for twin air drier; plastic
73614	repair kit; for twin air drier drain valve
73615	air drier cartridge kit; for twin air drier; x2
73616	repair kit; for single/twin air drier unloading valve
73620	centre section repair kit; for twin air drier; 10 bar


71868S


73084S


73096


73176S


73198


73200S


73268S

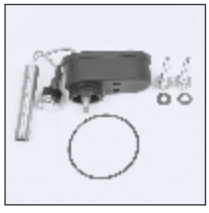

73314S


73316S


73333S


73343S


73444


73481S


73482S


73483S

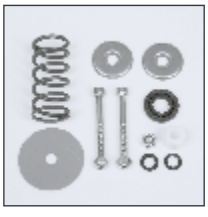

73492S


73568S

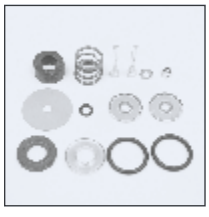

73574S

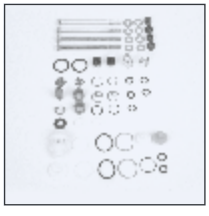

73582S


73589S


73614


73615


73616


73620

part number	description
73622	centre section repair kit; for twin air drier; 13 bar
73666S	drain valve; for twin air drier; plastic
73686S	unloading valve; for twin air drier; plastic/aluminium
73687S	adapter; for twin air drier unloading valve; aluminium
73716S	heating element; for single/twin air drier; 24V/90W
76281S	relay; for automatic drain valve/Consep; 24V
76282S	relay; for automatic drain valve/Consep; 12V
76283S	electrical connection kit; for automatic drain valve/Consep; M24
76284S	electrical connection kit; for automatic drain valve/Consep; M27
77091S	automatic drain valve kit; for Consep; 24V
77112S	regeneration valve; for single air drier SDX; ø0.7
77244S	heating element; for single air drier SDX; 24V/90W
77359S	turbo protection valve; for single air drier SDX; connection: M22x1.5
77362S	automatic drain valve kit; for Consep; 24V
77411S	black box; for single air drier SDX
77434S	regeneration valve; for single air drier SDX; ø0.9
77484S	blind plug kit; for single air drier SDX; for plugged port 5
78104S	black box; for single air drier SDX
78133S	black box; for single air drier SDX
78140S	black box; for single air drier SDX
78141S	black box; for single air drier SDX
78150S	heating element; for single air drier SDX; 24V/90W
78164	repair kit; for Consep; condenser side
78165	coil kit; for automatic drain valve/Consep; 24V
78166	coil kit; for automatic drain valve/Consep; 12V
78169S	black box; for single air drier SDX
78171S	black box; for single air drier SDX
78186S	black box; for single air drier SDX

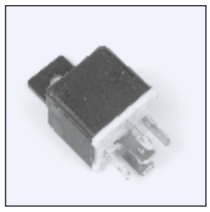

73622


73666S


73686S


73687S


73716S


76281S


76283S


76284S


77112S


77244S


77359S


77362S


77411S


77434S


78104S


78140S


78141S


78150S


78164


78165


78166


78169S


78171S


78186S

part number	description
78190	drain valve; for twin air drier; plastic
78193	drain valve; for twin air drier; plastic
78199S	heating element; for single air drier SDX; 24V/90W
78240	draining box kit; for automatic drain valve/Consep
78682S	depot valve; for single air drier SDX; fits air driers with inlet port M22x1.5
78701S	ball non-return valve inlet; for single air drier SDX; for air driers with regeneration valve
78703S	black box; for single air drier SDX
78704S	black box; for single air drier SDX
78705S	black box; for single air drier SDX
78712S	black box; for single air drier SDX
78716S	black box; for single air drier SDX
78717S	black box; for single air drier SDX
78800	air drier cartridge kit; for single air drier SDX; for air driers with regeneration valve
78801S	non-return valve outlet; for single air drier SDX; 2x check valve cone
78831S	o-ring; for single air drier SDX; 150x3
78840S	non-return valve outlet; for single air drier SDX; for air driers with serial no. after week 7 09
78945S	black box; for single air drier SDX
78947S	black box; for single air drier SDX
78949S	black box; for single air drier SDX
78964	air drier cartridge kit; for single air drier SDX; for air driers without regeneration valve
83341S	black box; for single air drier SDX
86575S	black box; for single air drier SDX
86583S	black box; for single air drier SDX
86907S	black box; for single air drier SDX
87219S	black box; for single air drier SDX
87255	coil kit; for automatic drain valve/Consep; 24V
87332S	black box; for single air drier SDX
87333S	black box; for single air drier SDX
87346S	black box; for single air drier SDX

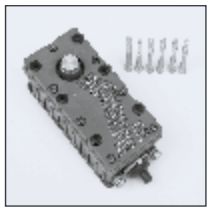

78193


78199S


78240


78682S


78701S


78703S


78704S


78705S

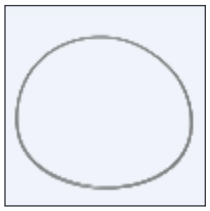

78712S


78716S


78717S


78800


78801S


78831S

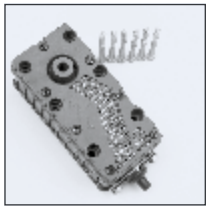

78840S

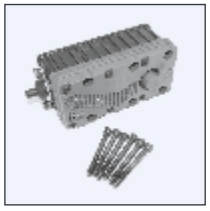

78945S


78949S


78964


83341S


86907S


87219S


87255


87332S


87346S

part number	description
87347S	black box; for single air drier SDX
87348S	black box; for single air drier SDX
89125S	black box; for single air drier SDX
89185S	black box; for single air drier SDX
89203	silencer kit; for single air drier SDX
89275S	black box; for single air drier SDX
89446S	black box; for single air drier SDX
89454	coil kit; for automatic drain valve/Consep; 24V
90027	core complete; for automatic drain valve/Consep
90039S	black box; for single air drier SDX
90216S	black box; for single air drier SDX
90269S	black box; for single air drier SDX
90361	safety valve; for single air drier SDX; 11 bar
90362	safety valve; for single air drier SDX/single/twin air drier; 13 bar
90363	safety valve; for single air drier SDX; 17 bar
90364	repair kit; for Consep; ADV side
90453S	black box; for single air drier SDX
90549S	black box; for single air drier SDX
90821	coil kit; for automatic drain valve/Consep; 24V
90831S	automatic drain valve kit; for Consep; 24v
90966	plug; for SDx
90968	air drier cartridge kit; for air drier USA; (MTC cartridge + grip ring)
90969	air drier cartridge; for air drier USA; MTC catridge
90995S	black box; for single air drier SDX
90997S	black box; for single air drier SDX
91164	repair kit; for black box; with heat resistant material
91323S	black box; for single air drier SDX
91436S	black box; for single air drier SDX
91598S	black box; for single air drier SDX
91917	coil kit; for automatic drain valve/Consep; 24V
91918	coil kit; for automatic drain valve/Consep; 24V
92003S	automatic drain valve kit; for Consep; 24V

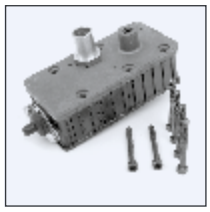

87347S


87348S


89203


89446S


89454


90216S


90269S


90361


90362


90363


90364


90549S


91917


92003S

part number	description
92223S	black box; for single air drier SDX
92534S	black box; for single air drier SDX
92569S	automatic drain valve kit; for Consep; 24V
92692S	automatic drain valve kit; for Consep; 24V
92694S	automatic drain valve kit; for Consep; 24V
92749S	automatic drain valve kit; for Consep; 24V
92750S	automatic drain valve kit; for Consep; 12V
92790S	automatic drain valve kit; for Consep; 24V
92791S	automatic drain valve kit; for Consep; 12V
92826	repair kit; for Consep; condenser side
92832	repair kit; for Consep; condenser side
92833	repair kit; for Consep; ADV side
92923S	black box; for single air drier SDX
92966	repair kit; for Consep;
92996S	automatic drain valve kit; for Consep; 24V
92997S	automatic drain valve kit; for Consep; 24V
93100	draining box kit; for automatic drain valve/Consep; with swivel
93101S	black box; for single air drier SDX
93102S	black box; for single air drier SDX
93337S	heating element; for single air drier SDX; 24V/90W
93362S	black box; for single air drier SDX
93440S	black box; for single air drier SDX
93522	air drier cartridge kit; for single air drier SDX
93678S	black box; for single air drier SDX;
93728S	black box; for single air drier SDX
93734S	heating element; for single air drier SDX; 12V/90W
93735S	heating element; for single air drier SDX; 12V/90W
950310009	air drier cartridge; for ECAM
950313002	repair kit; for anti-freeze injector
950313003	repair kit; for anti-freeze injector
950789880	repair kit; for single air drier SDX; for Volvo
950789900	repair kit; for single air drier SDX; for Volvo
950872820	repair kit; for single air drier SDX; for Volvo
950872960	repair kit; for single air drier SDX; for Volvo
950872970	repair kit; for single air drier SDX; for Volvo
950873370	repair kit; for single air drier SDX; for Volvo
DQ6026	air drier cartridge + repair kit; for air drier USA
RN60A	service kit; for air drier USA; complete


92826

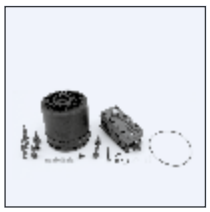

92832


92833


950310009


950313002


950313003


950789880

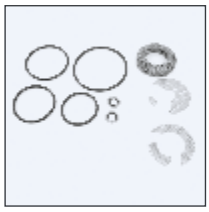

DQ6026


RN60A

part number	description
RN60E	lower cover repair kit; for air drier USA; 24V
RN60K	drainer elbow; for air drier USA
RN60P	heater kit; for air drier USA
RN969	bulk recharge kit; for air drier USA
RN970	purge valve repair kit; for air drier USA
RN973	recharge canister kit; for air drier USA


RN60E


RN60K


RN969


RN970

Miscellaneous

part number	description
65624K	air drier cartridge
KN33000	air drier, pure air; 12V
KN33010	air drier, pure air; 24V
KN33500	air drier, areo II



KN33010

MISCELLANEOUS

Spares & repair kits 218

Tools & test equipment 220

Miscellaneous 221

Spares and repair kits

part number	description
016258009	rotor; for rotary distributor
024002609	o-ring
024002909	o-ring
024003009	o-ring
024003109	o-ring
024004609	o-ring
024004809	o-ring
024006809	o-ring
024009709	o-ring
024010209	o-ring
024011209	washer; for nut; watertight
024023909	washer; for nut; watertight
024041709	gasket
024055209	o-ring
025040209	sealing plate; for rotary distributor; 7 holes; watertight
025040509	sealing plate; for rotary distributor; watertight
025040609	sealing plate; for rotary distributor; 8 holes; watertight
025062209	o-ring kit
054002309	washer; M16x20; aluminium
054002409	washer; M16x22; copper
054002909	washer; M22x27; aluminium
054003009	washer; M22x27; copper
054010409	washer; M14x20; copper
68470020	adapter; for hydraulic fitting; 3-way
950531012	repair kit; for rotary distributor
950531013	repair kit; for rotary distributor


016258009


024002609

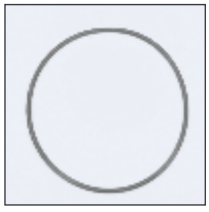

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024003009


024003109


024004609


024006809

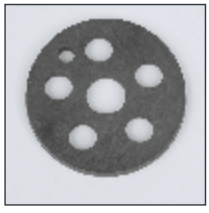

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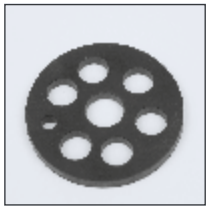

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024041709


024055209

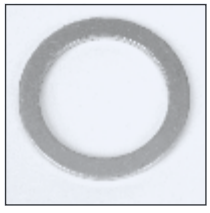

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025040509


025040609

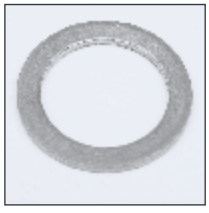

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054002309

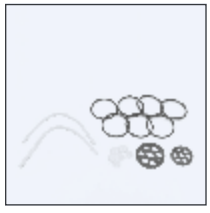

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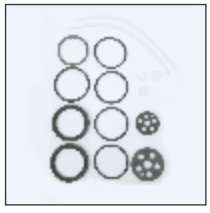

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054003009


054010409


68470020

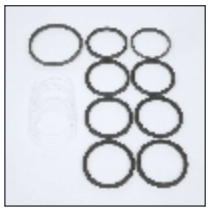

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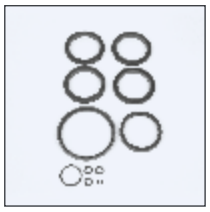

950531013

part number	description
950531015	repair kit; for rotary distributor
950531017	repair kit; for rotary distributor
950532011	repair kit; for rotary distributor
950532014	repair kit; for rotary distributor
950532015	repair kit; for rotary distributor
950532019	repair kit; for rotary distributor
950532022	repair kit; for rotary distributor
950532023	repair kit; for rotary distributor
950532024	repair kit; for rotary distributor
950532026	repair kit; for rotary distributor
950532039	repair kit; for rotary distributor
950532040	repair kit; for rotary distributor
950532045	repair kit; for rotary distributor
950549001	repair kit; for support cylinder; for excavator


950531015

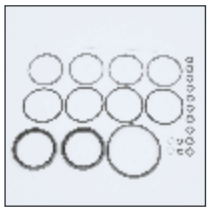

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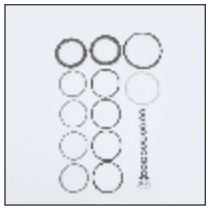

950532015


950532019


950532022


950532011


950532023


950532024


950532026


950532039


950532040


950549001

Tools & test equipment

part number	description
003418609	test point fitting; M16



003418609

Miscellaneous

part number	description
009406609	test hose
025033409	protection cover; for manometer
035005609	shock absorber
065000109	hose; 13x25; length: 50m; DIN 74310
065001009	hose; 11x18; length: 50m; DIN 74310
905002001	leak detection spray
N4400EK	manifold dash valve; combined trailer + tractor air supply brake control; USA
RW1194	water pump; for Caterpillar 3406B/C engine


025033409


035005609


065000109


065001009


905002001


RW1194

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Innovative vehicle Solutions

Austria
Haldex Wien Ges.m.b.H.
Vienna
Tel.: +43 1 8 69 27 97
Fax: +43 1 8 69 27 97 27
E-Mail: info.at@haldex.com

Belgium
Haldex N.V.
Balegem
Tel.: +32 9 363 90 00
Fax: +32 9 363 90 09
E-Mail: info.be@haldex.com

Brazil
Haldex do Brasil Ind. E Com. Ltda
São José dos Campos
Tel.: +55 12 393 54 000
Fax: +55 12 393 54 018
E-Mail: info.brasil@haldex.com

Canada
Haldex Ltd
Cambridge, Ontario
Tel.: +1 519 621 6722
Fax: +1 519 621 3924
E-Mail: info.ca@haldex.com

China
Haldex vehicle Products Co. Ltd.
Suzhou
Tel.: +86 512 8885 5301
Fax: +86 512 8765 6066
E-Mail: info.cn@haldex.com

France
Haldex Europe SAS
Weyersheim
Tel.: +33 3 88 68 22 00
Fax: +33 3 88 68 22 09
E-Mail: info.eur@haldex.com

Germany
Haldex Brake Products GmbH
Heidelberg
Tel.: +49 6 221 7030
Fax: +49 6 221 703400
E-Mail: info.de@haldex.com

Hungary
Haldex Hungary Kft
Szentlörinckáta
Tel.: +36 29 631 300
Fax: +36 29 631 301
E-Mail: info.hu.eu@haldex.com

India
Haldex India Limited
Nashik
Tel.: +91 253 2380094
Fax: +91 253 2380729

Italy
Haldex Italia Srl.
Biassono
Tel.: +39 039 47 17 02
Fax: +39 039 27 54 309
E-Mail: info.it@haldex.com

Korea
Haldex Korea Ltd.
Seoul
Tel.: +82 2 2636 7545
Fax: +82 2 2636 7548
E-Mail: info.hkr@haldex.com

Mexico
Haldex de Mexico S.A. De C.V.
Monterrey
Tel.: +52 81 8156 9500
Fax: +52 81 8313 7090

Poland
Haldex Sp. z.o.o.
Praszka
Tel.: +48 34 350 11 00
Fax: +48 34 350 11 11
E-Mail: info.pl@haldex.com

Russia
OOO "Haldex RUS"
Moscow
Tel.: +7 495 747 59 56
Fax: +7 495 786 39 70
E-Mail: info.ru@haldex.com

Spain
Haldex España S.A.
Granollers
Tel.: + 34 93 84 07 239
Fax: + 34 93 84 91 218
E-Mail: info.es@haldex.com

Sweden
Haldex Brake Products AB
Landskrona
Tel.: +46 418 47 60 00
Fax: +46 418 47 60 01
E-Mail: info.se@haldex.com

United Kingdom
Haldex Ltd.
Newton Aycliffe
Tel.: +44 1325 310 110
Fax: +44 1325 311 834
E-Mail: info.gbay@haldex.com

Haldex Brake Products Ltd.
MIRA Technology Park
Tel: +44 2476 400 300
Fax: +44 2476 400 301
E-Mail: info.gbre@haldex.com

USA
Haldex Brake Products Corp.
Kansas City
Tel.: +1 816 891 2470
Fax: +1 816 891 9447
E-Mail: info.us@haldex.com

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