

Cylinders ISO 15552
Series AMT

1 - CYLINDERS

Main features

160 ÷ 320

Bores Ø



Double acting
Magnetic
With cushioning



Tube profile

AMT

Type



Technical data

Bore Ø mm		160	200	250	320
Fluid		Filtered compressed air with or without lubrication. Lubrication, if started, must be continued.			
Pressure range		1 ÷ 10 bar			
Temperature range		-20°C ÷ +80°C (standard / V1)	-20°C ÷ +150°C (V)	-40°C ÷ +80°C (BT)	
Strokes		10 ÷ 2800 mm			
Cushion length		46	47	40	40
Port		3/4"		1"	
Rod thread		M36x2		M42x2	M48x2
Weight (g.)	Stroke zero	11.507	14.532	26.811	47.996
	Additional 10 mm	234	250	384	597

Standard strokes

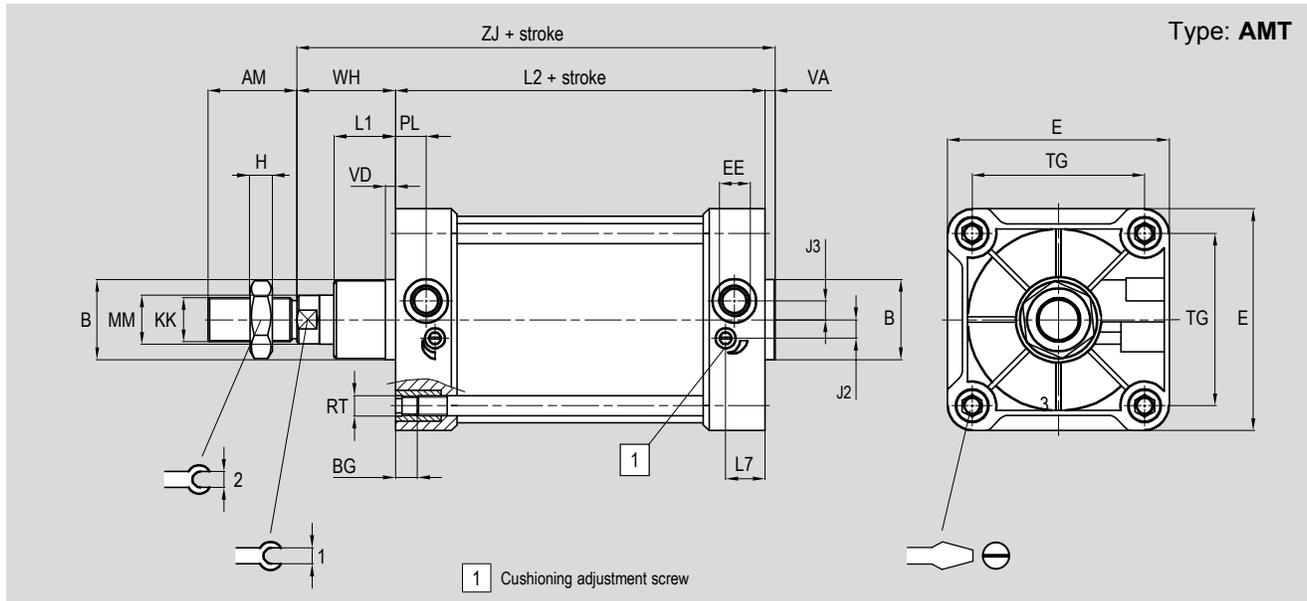
Stroke mm	AMT Bore Ø mm			
	160	200	250	320
10				
25				
50				
80				
100				
125				
150				
160				
200				
250				
300				
320				
400				
450				
500				

Key

☐ Standard stroke

1.5.70

Standard dimensions



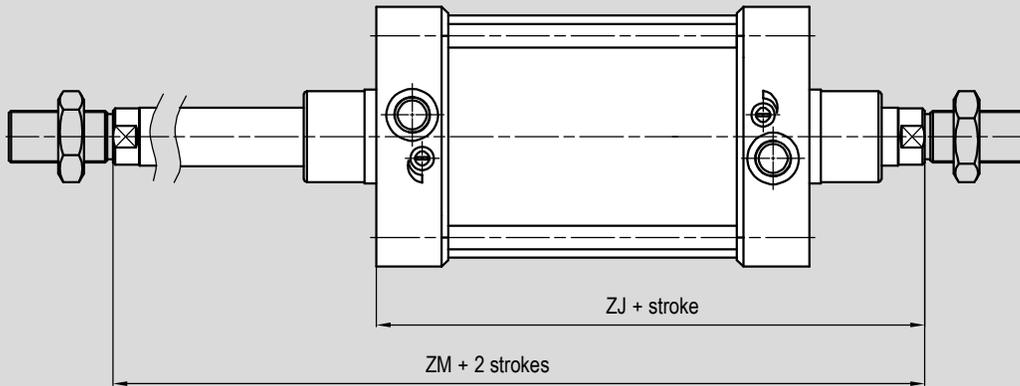
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Ø (mm)	AM	ØB d11	BG	E	EE	J2	J3	ØKK	L1	L2	H
160	72	65	24	180	G 3/4	15	15	M36x2	50	180	14
200	72	75	24	220	G 3/4	15	15	M36x2	65	180	14
250	84	90	25	270	G 1	25	25	M42x2	75	200	20
320	96	110	30	350	G 1	35	35	M48x2	90	220	17

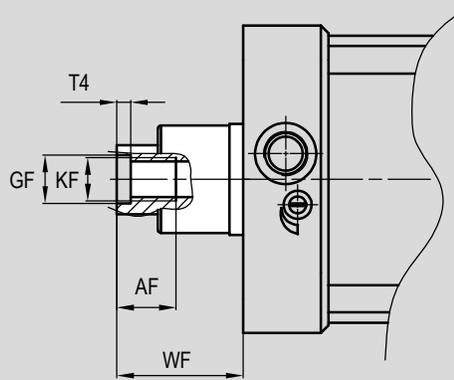
Ø (mm)	L7	ØMM f7	PL	RT	TG	VA	VD	WH	ZJ	⊕ 1	⊕ 2	⊕ ⊖
160	32	40	25	M16	140	6	8	80	266	36	55	25x3,7
200	34	40	25	M16	175	6	25	95	281	36	55	25x3,7
250	40	50	30	M20	220	8	25	105	313	46	65	32x5,5
320	45	63	30	M24	270	10	25	120	350	55	75	36x5,5

Dimensions with options

Type: ...P



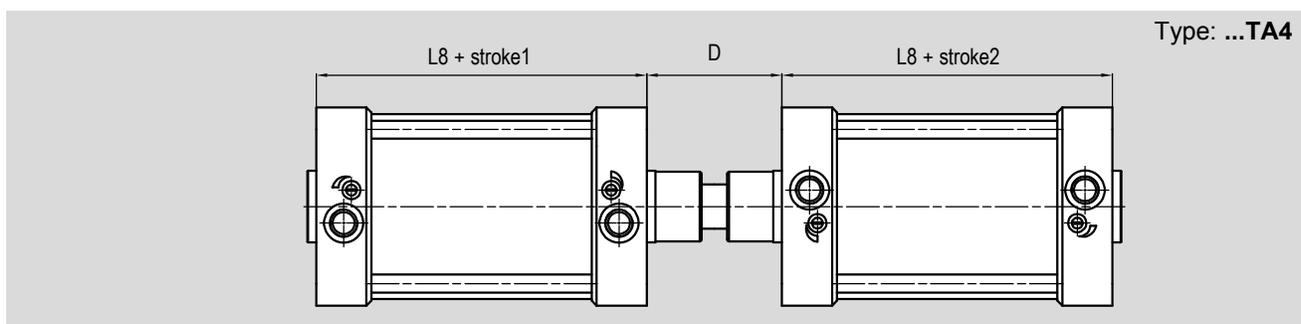
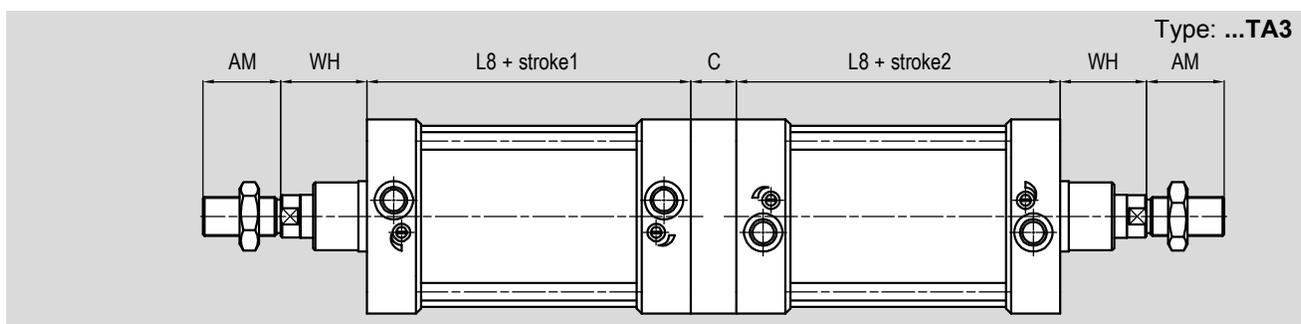
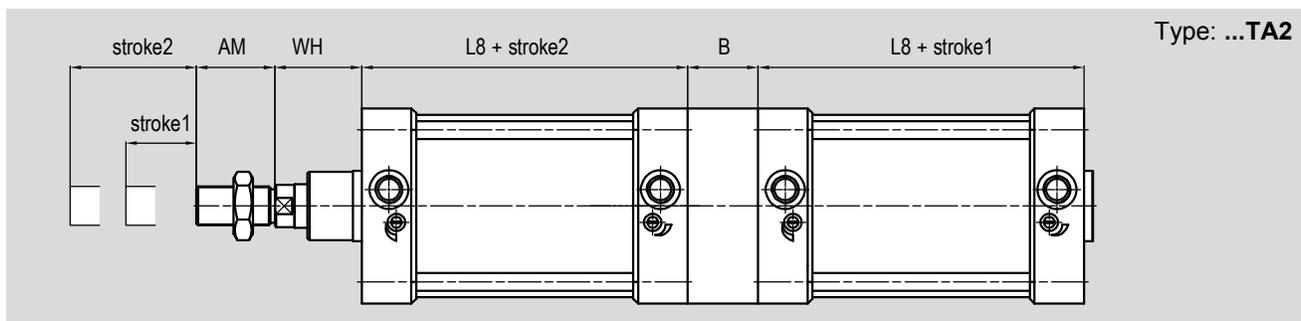
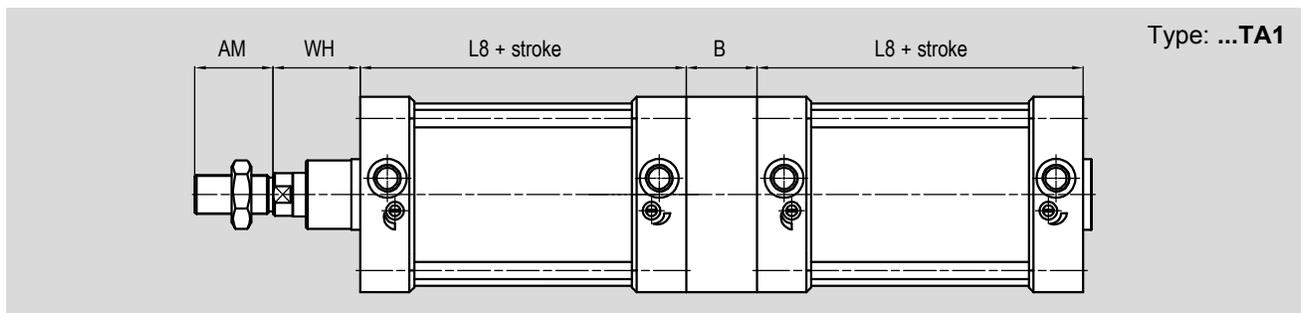
Type: ...F



Ø mm	AF	KF	T4	WF	GF	ZJ	ZM
160	36	M20	10	80	22	260	340
200	36	M20	10	95	22	275	370
250	40	M24	12	105	26	305	410
320	50	M30	15	120	32	340	460

Dimensions tandem versions

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Ø mm	AM	B	C	D	L8	WH
160	72	100	50	152	180	80
200	72	130	50	167	180	95
250	84	150	60	180	200	105
320	96	180	70	200	220	120

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Slide unit U-shaped, UGLB..

	For cylinder Ø mm	Code	Item	Compliance
	32	*	UGLB32/...	-
40	*	UGLB40/...		
50	*	UGLB50/...		
63	*	UGLB63/...		
80	*	UGLB80/...		
100	*	UGLB100/...		

* for code see page 1.70.3

Slide unit H-shaped, UGPB..

	For cylinder Ø mm	Code	Item	Compliance
	32	*	UGPB32/...	-
40	*	UGPB40/...		
50	*	UGPB50/...		
63	*	UGPB63/...		
80	*	UGPB80/...		
100	*	UGPB100/...		

* for code see page 1.70.3

Slide unit H-shaped, UGPS..

	For cylinder Ø mm	Code	Item	Compliance
	32	*	UGPS32/...	-
40	*	UGPS40/...		
50	*	UGPS50/...		
63	*	UGPS63/...		
80	*	UGPS80/...		
100	*	UGPS100/...		

* for code see page 1.70.3

Static rod brake* normally closed ABS..CRD

	For cylinder Ø mm	Code	Item	Compliance
	32	042001	ABS032CRD	-
40	042002	ABS040CRD		
50	042003	ABS050CRD		
63	042004	ABS063CRD		
80	042005	ABS080CRD		
100	042006	ABS100CRD		
125	042007	ABS125CRD		

* option B required

Static rod brake* normally open ABS..ARD

	For cylinder Ø mm	Code	Item	Compliance
	32	042011	ABS032ARD	-
40	042012	ABS040ARD		
50	042013	ABS050ARD		
63	042014	ABS063ARD		
80	042015	ABS080ARD		
100	042016	ABS100ARD		
125	042017	ABS125ARD		

* option B required

Dynamic rod brake* normally closed ABK..

	For cylinder Ø mm	Code	Item	Compliance
	32	042035	ABK032	-
40	042036	ABK040		
50	042037	ABK050		
63	042038	ABK063		
80	042039	ABK080		
100	042040	ABK100		

* option B1 required

Female clevis with clip FF..ISO

	For cylinder Ø mm	Code	Item	Compliance
	32	041004	FF10ISO	 8140
40	041005	FF12ISO		
50-63	041006	FF16ISO		
80-100	041007	FF20ISO		

Female clevis with pin and seeger FFP..ISO

	For cylinder Ø mm	Code	Item	Compliance
	32	041051	FFP10ISO	 8140
40	041040	FFP12ISO		
50-63	041013	FFP16ISO		
80-100	041017	FFP20ISO		
125	041009	FFP27ISO		
160-200	041010	FFP36ISO		
250	041068	FFP42ISO		
320	041069	FFP48ISO		

Female clevis (body only) FFN..ISO

	For cylinder Ø mm	Code	Item	Compliance
	32	041014	FFN10ISO	
40	041016	FFN12ISO		
50-63	041012	FFN16ISO		
80-100	041015	FFN20ISO		
125	*	FFN27ISO		
160-200	*	FFN36ISO		
250	*	FFN42ISO		
320	*	FFN48ISO		

* for code please contact the sales department

Female clevis with male thread FEM..

	For cylinder Ø mm	Code	Item	Compliance
	*	041061	FEM10	-
*	041062	FEM12		
*	041063	FEM16		
*	041064	FEM20		
*	041065	FEM27		

* for matching with bearing heads see page 1.88.1 and page 1.90.1

Bearing heads (DIN 648K) with female thread RF..SE

	For cylinder Ø mm	Code	Item	Compliance
	32	041554	RF10SE	
40	041555	RF12SE		
50-63	041557	RF16SE		
80-100	041559	RF20SE		
125	041562	RF30SE		
160-200	041563	RF35SE		
250	041571	RF40SE		
320	041572	RF50SE		

Self-aligning articulated coupling GB..

	For cylinder Ø mm	Code	Item	Compliance
	32	041704	GB040	-
40	041706	GB060		
50-63	041708	GB100		
80-100	041709	GB120		
125	041711	GB130		
160-200	041712	GB160-200		
250	041713	GB250		
320	041714	GB320		

Axial articulated coupling RBL..

	For cylinder Ø mm	Code	Item	Compliance
	32	041604	RBL10	-
40	041605	RBL12		
50-63	041607	RBL16		
80-100	041609	RBL20		

Angular articulated coupling RBL..

	For cylinder Ø mm	Code	Item	Compliance
	32	041654	RBL10	-
40	041655	RBL12		
50-63	041657	RBL16		
80-100	041659	RBL20		

Self-aligning coupling GC..

	For cylinder Ø mm	Code	Item	Compliance
	32	041722	GCM10x1,25	-
40	041723	GCM12x1,25		
50-63	041724	GCM16x1,5		
80-100	041725	GCM20x1,5		
125	041726	GCM27x2		
160-200	041727	GCM36x2		

Rod nut D..

	For cylinder Ø mm	Code	Item	Compliance
	32	041452	D10x1,25	
40	041454	D12x1,25		
50-63	041455	D16x1,5		
80-100	041456	D20x1,5		
125	041458	D27x2		
160-200	041459	D36x2		
250	041449	D42x2		
320	041477	D48x2		

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Rear clevis in aluminium with screws and pin CF..ALIS+VP

	For cylinder Ø mm	Code	Item	Compliance
	32	042050	CF032ALIS+VP	 MP2
	40	042051	CF040ALIS+VP	
	50	042052	CF050ALIS+VP	
	63	042053	CF063ALIS+VP	
	80	042054	CF080ALIS+VP	
	100	042055	CF100ALIS+VP	
	125	042056	CF125ALIS+VP	
	160	042057	CF160ALIS+VP	
	200	042058	CF200ALIS+VP	
	250	042059	CF250ALIS+VP	
	320	042060	CF320ALIS+VP	

Rear clevis in aluminium* with screws CF..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	040441	CF032ALIS+V	 MP2
	40	040442	CF040ALIS+V	
	50	040443	CF050ALIS+V	
	63	040444	CF063ALIS+V	
	80	040445	CF080ALIS+V	
	100	040446	CF100ALIS+V	
	125	040447	CF125ALIS+V	
	160	040448	CF160ALIS+V	
	200	040449	CF200ALIS+V	
	250	040450	CF250ALIS+V	
	320	040459	CF320ALIS+V	

* Available also in steel (item CF..AQIS+V) in Ø 32 ÷ 320, see page 1.98.1

Narrow rear clevis in aluminium with screws and pin CFS..ALIS+VP

	For cylinder Ø mm	Code	Item	Compliance
	32	042110	CFS032ALIS+VP	 AB6
	40	042111	CFS040ALIS+VP	
	50	042112	CFS050ALIS+VP	
	63	042113	CFS063ALIS+VP	
	80	042114	CFS080ALIS+VP	
	100	042115	CFS100ALIS+VP	
	125	042116	CFS125ALIS+VP	
	160	042117	CFS160ALIS+VP	
	200	042118	CFS200ALIS+VP	
	250	042148	CFS250ALIS+VP	

Narrow rear clevis in aluminium* with screws CFS..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	040451	CFS032ALIS+V	 AB6
	40	040452	CFS040ALIS+V	
	50	040453	CFS050ALIS+V	
	63	040454	CFS063ALIS+V	
	80	040455	CFS080ALIS+V	
	100	040456	CFS100ALIS+V	
	125	040457	CFS125ALIS+V	
	160	040458	CFS160ALIS+V	
	200	040498	CFS200ALIS+V	
	250	042499	CFS250ALIS+V	

Available also in steel (item CFS..AQIS+V) in Ø 32 ÷ 125, see page 1.98.1

Rear eye in aluminium* with screws CM..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042061	CM032ALIS+V	 MP4
	40	042062	CM040ALIS+V	
	50	042063	CM050ALIS+V	
	63	042064	CM063ALIS+V	
	80	042065	CM080ALIS+V	
	100	042066	CM100ALIS+V	
	125	042067	CM125ALIS+V	
	160	042068	CM160ALIS+V	
	200	042069	CM200ALIS+V	
	250	042070	CM250ALIS+V	
	320	042071	CM320ALIS+V	

Available also in steel (item CM..AQIS+V) in Ø 32 ÷ 320, see page 1.98.2

Narrow rear eye with bearing (DIN 648K) in aluminium* with screws CMS..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042101	CMS032ALIS+V	 MP6
	40	042102	CMS040ALIS+V	
	50	042103	CMS050ALIS+V	
	63	042104	CMS063ALIS+V	
	80	042105	CMS080ALIS+V	
	100	042106	CMS100ALIS+V	
	125	042107	CMS125ALIS+V	
	160	042108	CMS160ALIS+V	
	200	042109	CMS200ALIS+V	
	250	040160	CMS250ALIS+V	
	320	040197	CMS320ALIS+V	

Available also in steel (item CMS..AQIS+V) in Ø 32 ÷ 125, see page 1.98.2

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Flange in aluminium with screws FLV..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042150	FLV032ALIS+V	 MF1 / MF2
40	042151	FLV040ALIS+V		
50	042152	FLV050ALIS+V		
63	042153	FLV063ALIS+V		
80	042154	FLV080ALIS+V		
100	042155	FLV100ALIS+V		
125	042156	FLV125ALIS+V		
160	042157	FLV160ALIS+V		
200	042158	FLV200ALIS+V		

Flange in steel with screws FLV..AQIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042119	FLV032AQIS+V	 MF1 / MF2
40	042120	FLV040AQIS+V		
50	042121	FLV050AQIS+V		
63	042122	FLV063AQIS+V		
80	042123	FLV080AQIS+V		
100	042124	FLV100AQIS+V		
125	042125	FLV125AQIS+V		
160	042126	FLV160AQIS+V		
200	042127	FLV200AQIS+V		
250	042128	FLV250AQIS+V		
320	040683	FLV320AQIS+V		

Rear 90° hinge in aluminium* with screws ASV..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042081	ASV032ALIS+V	 AB7 RP 107P
40	042082	ASV040ALIS+V		
50	042083	ASV050ALIS+V		
63	042084	ASV063ALIS+V		
80	042085	ASV080ALIS+V		
100	042086	ASV100ALIS+V		
125	042087	ASV125ALIS+V		
160	042088	ASV160ALIS+V		
200	042089	ASV200ALIS+V		
250	042090	ASV250ALIS+V		

Clevis hinge in aluminium with screws ASF..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042161	ASF032ALIS+V	 RP 107P
40	042162	ASF040ALIS+V		
50	042163	ASF050ALIS+V		
63	042164	ASF063ALIS+V		
80	042165	ASF080ALIS+V		
100	042166	ASF100ALIS+V		
125	042167	ASF125ALIS+V		
160	042168	ASF160ALIS+V		
200	042169	ASF200ALIS+V		
250	042170	ASF250ALIS+V		

*Available also in steel (item ASV..AQIS) in Ø 32 ÷ 125, see page 1.98.3

Adjustable center trunnion (tie rods)* in steel with grains CT..AQIS+GR

	For cylinder Ø mm	Code	Item	Compliance
	32	040581	CT032AQIS+GR	 MT4
40	040582	CT040AQIS+GR		
50	040583	CT050AQIS+GR		
63	040584	CT063AQIS+GR		
80	040585	CT080AQIS+GR		
100	040586	CT100AQIS+GR		
125	040587	CT125AQIS+GR		
160	040588	CT160AQIS+GR		
200	040589	CT200AQIS+GR		

*For trunnion mounted on the cylinder, please order together with the cylinder.

Non adjustable round trunnion (threaded)* in steel CTN..AQIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040052	CTN032AQIS	 MT4
40	040053	CTN040AQIS		
50	048590	CTN050AQIS		
63	040564	CTN063AQIS		
80	040096	CTN080AQIS		
100	040097	CTN100AQIS		
125	040098	CTN125AQIS		
160	040099	CTN160AQIS		
200	040100	CTN200AQIS		
250	040110	CTN250AQIS		
320	040590	CTN320AQIS		

*For trunnion mounted on the cylinder, please order together with the cylinder, indicating the XV dimension (cannot be modified), see page 1.98.7

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Center trunnion (profile barrel)* in steel with grains CTS..AQIS+GR

	For cylinder Ø mm	Code	Item	Compliance
	32	040601	CTS032AQIS+GR	ISO MT4
	40	040602	CTS040AQIS+GR	
	50	040603	CTS050AQIS+GR	
	63	040604	CTS063AQIS+GR	
	80	040605	CTS080AQIS+GR	
	100	040606	CTS100AQIS+GR	
	125	040607	CTS125AQIS+GR	

*For trunnion mounted on the cylinder, please order together with the cylinder.

Center trunnion for heads in steel with screws CTA..AQIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	040591	CTA032AQIS+V	ISO MT5/MT6
	40	040592	CTA040AQIS+V	
	50	040593	CTA050AQIS+V	
	63	040594	CTA063AQIS+V	
	80	040595	CTA080AQIS+V	
	100	040596	CTA100AQIS+V	
	125	040598	CTA125AQIS+V	

Front clevis in aluminium with screws CFA..ALIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	040473	CFA032ALIS+V	ISO MP7
	40	040474	CFA040ALIS+V	
	50	040017	CFA050ALIS+V	
	63	040471	CFA063ALIS+V	
	80	040051	CFA080ALIS+V	
	100	040478	CFA100ALIS+V	
	125	040475	CFA125ALIS+V	
	160	040477	CFA160ALIS+V	
	200	040479	CFA200ALIS+V	

Low foot in steel* with screws PB..AQIS+V

	For cylinder Ø mm	Code	Item	Compliance
	32	042129	PB032AQIS+V	ISO MS1
	40	042130	PB040AQIS+V	
	50	042131	PB050AQIS+V	
	63	042132	PB063AQIS+V	
	80	042133	PB080AQIS+V	
	100	042134	PB100AQIS+V	
	125	042135	PB125AQIS+V	
	160	042136	PB160AQIS+V	
	200	042137	PB200AQIS+V	
	250	042138	PB250AQIS+V	
	320	042139	PB320AQIS+V	

*Supplied individually and available also in version foot, made of aluminium (item P..ALIS), in Ø 32 ÷ 250, see page 1.97.6

Rear 90° hinge with bearing (DIN 648K) in steel ASS..AQIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040551	ASS032AQIS	ISO CS7
	40	040552	ASS040AQIS	
	50	040553	ASS050AQIS	
	63	040554	ASS063AQIS	
	80	040555	ASS080AQIS	
	100	040556	ASS100AQIS	
	125	040557	ASS125AQIS	

Rear 90° hinge in aluminium AS..ALIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040361	AS032ALIS	ISO 6431
	40	040362	AS040ALIS	
	50	040363	AS050ALIS	
	63	040364	AS063ALIS	
	80	040365	AS080ALIS	
	100	040366	AS100ALIS	
	125	040367	AS125ALIS	
	160	040368	AS160ALIS	
	200	040369	AS200ALIS	

Support for center trunnion* in steel ST..AQIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040681	ST032AQIS	ISO AT4
	40-50	040682	ST040/050AQIS	
	63-80	040684	ST063/080AQIS	
	100-125	040686	ST100/125AQIS	
	160-200	040688	ST160/200AQIS	

*Supplied individually

Plate for valves* PSV..

	For cylinder Ø mm	Code	Item	Compatibilità taglia valvola*
	32-40	071458	PSV/A1/AMA-32-40	1/8" - 1/4"
	50-63	071459	PSV/A1/AMA-50-63	
	80÷125	071460	PSV/A1/AMA-80-100-125	1/8" - 1/4" - 1/2"
	160-200	070822	PSV/A1/AMT-160-200	1/4" - 1/2"

*For valves series A1 see from page 2.20.1

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Anti-rotating pin with seeger* in steel SEC..ARAQIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040571	SEC032ARAQIS	
	40	040572	SEC040ARAQIS	
	50	040573	SEC050ARAQIS	
	63	040574	SEC063ARAQIS	
	80	040575	SEC080ARAQIS	
	100	040576	SEC100ARAQIS	
	125	040577	SEC125ARAQIS	
	200	040579	SEC200ARAQIS	

*Supplied with 1 seeger

Pin with seeger* in steel SEC..AQIS

	For cylinder Ø mm	Code	Item	Compliance
	32	040261	SEC032AQIS	
	40	040262	SEC040AQIS	
	50	040263	SEC050AQIS	
	63	040264	SEC063AQIS	
	80	040265	SEC080AQIS	
	100	040266	SEC100AQIS	
	125	040267	SEC125AQIS	
	160	040268	SEC160AQIS	
	200	040269	SEC200AQIS	
	250	040270	SEC250AQIS	
	320	040460	SEC320AQIS	

*Supplied with 2 seeger

Bracket AS.. for magnetic reed switches T groove

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 40	072908	AS101	AMA BMA
	50 ÷ 63	072909	AS102	
	80 ÷ 100	072910	AS103	
	125	072911	AS104	
	32 ÷ 40	072912	AS105	AMT BMT
	50 ÷ 100	072913	AS106	
	125	072909	AS102	
	160 ÷ 200	072910	AS103	
	250 ÷ 320	072917	AS110	

Bracket AS.. for high-temperatures magnetic reed switches

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 40	077838	AS114	AMA BMA
	50 ÷ 63	077651	AS113	
	80	074055	AS112	
	100	077839	AS115	
	125	074007	AS116	
	32 ÷ 40	074041	AS117	AMT BMT
	50 ÷ 63	074043	AS118	
	80 ÷ 100	074087	AS119	
	125	074155	AS120	
	160 ÷ 200	074169	AS121	

Magnetic reed switch T groove ASV..

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 320	070946	ASV1C525	AMA BMA AMT* BMT*
		071863	ASV1C550	
		071864	ASV1C51K	
		071189	ASV1C5M8	
		073639	ASV4D225	
		070246	ASV4D2M8	
		074900	ASV7N225	
		070247	ASV7N2M8	
		070372	ASV7M2M8	
		072918	ASV1H525	

*With bracket type AS.. for magnetic reed switches T groove

High-temperatures magnetic reed switches ASH..

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 320	074047	ASH6C550	AMA* BMA* AMT* BMT*

*With bracket type AS.. for high-temperatures magnetic reed switches

Magnetic reed switch C groove ASC..

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 320	070248	ASC1C525	AMA BMA
		070249	ASC7N2M8	
		070382	ASC7M2M8	

ATEX magnetic reed switch T groove MK..

	For cylinder Ø mm	Code	Item	Compliance	Cylinder matching
	32 ÷ 320	071120	MK500A		AMA BMA AMT* BMT*
		071108	MK502A		

*With bracket type AS.. for magnetic reed switches T groove