

STAINLESS STEEL

cylinders ISO 6432



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Stainless Steel Cylinders ISO 6432

Main features and certifications

Series of stainless steel cylinders conforming to ISO 6432 standards, available in bores from Ø 10 to 25, double acting magnetic. The heads joined to barrel through rolling ensure perfect tightening. Supplied as standard in compliance to Reach and RoHS directives, and SIL certified. On request can be supplied according to 2014/34/ EU ATEX directive.

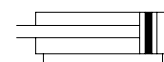


Type MDMX Ø 10 ÷ 25

from page 5.2.20



Stainless Steel cylinders conforming to ISO 6432 standards, available in bores from Ø 10 to 25, double acting, magnetic, the heads joined to barrel through rolling ensure perfect tightening. Equipped with rubber bumpers to cushion the impact of the piston. Possibility of applying one or more magnetic reed switches. Complete with stainless steel head nut and rod nut.

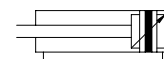


Type MDMAX Ø 20 ÷ 25

from page 5.2.40

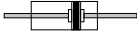


Stainless Steel cylinders conforming to ISO 6432 standards, available in bores from Ø 20 to 25, double acting, magnetic, the heads joined to barrel through rolling ensure perfect tightening. Equipped with adjustable air cushioning on both ends. Possibility of applying one or more magnetic reed switches. Complete with stainless steel head nut and rod nut.



Stainless Steel Cylinders ISO 6432

Options

Description	Symbol	Suffix
Through rod		P
FKM seals	-20°C ÷ +150°C 	V
ATEX versions on request		/ATEX
Special versions on request		/S

The options, when this is possible, can be combined with each other. For options matching see page 5.2.4; For code key see page 5.2.5.

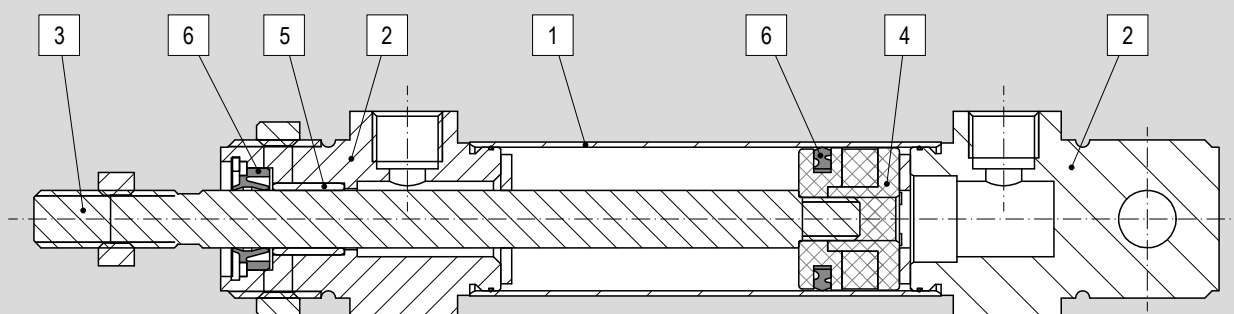
Options matching

Series	Bore	Model	Standard options matching		
			P	V	/ATEX
MDMX	Ø 10 ÷ 25	Standard	●	●	●
		Through rod (P)		●	●
MDMAX	Ø 20 ÷ 25	Standard	●	●	●
		Through rod (P)		●	●

Key

● allowed matching; - not allowed matching

Standard materials



Position	Description	Material
1	Tube	Stainless Steel AISI 304
2	Heads	Stainless Steel AISI 304
3	Rod	Stainless Steel AISI 304
4	Piston	Brass
5	Bush	Sintered bronze
6	Seals	Polyurethane (PU)

5.2.4

Code key

Bore	/	Stroke	Type	Options		/	ATEX version	Special version
25	/	50	MDMX	P	V	/		
Ø 10, 12, 16, 20, 25 (Type MDMAX from Ø 20)			MDMX Double acting Magnetic	P	V			S
			MDMAX Double acting Magnetic With cushionings					
		10 mm ÷ 1000 mm					ATEX	CE Ex II 2G Ex h IIC T5 Gb II 2D Ex h IIC T100°C Db

How to order

Bore	/	Stroke	Type	Options
25	/	50	MDMX	P V

Notes

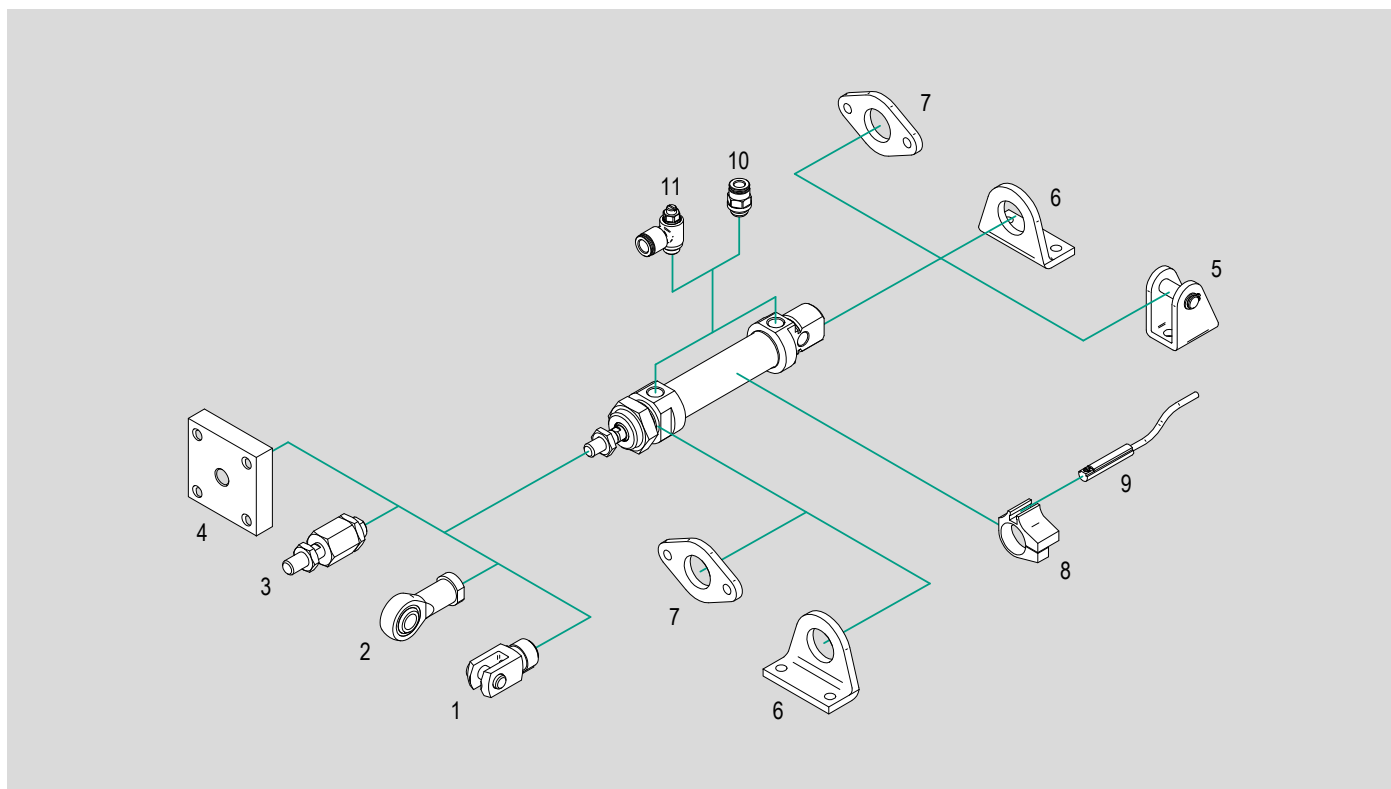
For standard materials see the side table.

Options in the same grid are alternative to each others.

For further information on options and their matching, see page 5.2.3 and page 5.2.4

For further information on the ATEX 2014/34/EU Directive, on classifications and protections, see from page III.1

Accessories



N.	Cylinder bore	Item	Description	Compliance	Matching		Code key page	Data sheet page
					MDMX	MDMAX		
1	Ø 10 ÷ 25	FFX..ISO	Stainless Steel female clevis with pin and seeger	ISO 8140	●	●	5.2.90	5.52.1
2	Ø 10 ÷ 25	RFX..SE	Stainless Steel bearing heads (DIN 648K) with female thread	ISO 8139	●	●		5.54.1
3	Ø 10 ÷ 25	GBX..	Stainless Steel self-aligning articulated coupling	ISO PM5	●	●		5.55.1
4	Ø 25	GCX..	Stainless Steel self-aligning coupling	-	●	●		5.57.1
5	Ø 12 ÷ 25	CFX..	Stainless Steel rear clevis	ISO MP3	●	●		5.71.1
6	Ø 12 ÷ 25	PX..	Stainless Steel high foot	ISO MS3	●	●		
7	Ø 12 ÷ 25	FX..	Stainless Steel flange	ISO MF8	●	●		5.71.2
8	Ø 10 ÷ 25	AFM..	Bracket for magnetic reed switch T groove	-	●	●		1.120.1
9	Ø 10 ÷ 25	ASV..	Magnetic reed switch T groove		●	●		1.110.10
		MK..	ATEX magnetic reed switch T groove	2014/34/UE	●	●		1.113.1
10	Ø 10 ÷ 25	RX..	Stainless steel push-in fittings	-	●	●	5.302.1	
11	Ø 10 ÷ 25	VX..C	Stainless Steel flow controls, for cylinders		●	●	5.372.1	

Key

● matching accessory; - not matching accessory

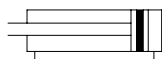
Stainless Steel Cylinders ISO 6432

Series MDMX



Main features

10 ÷ 25



MDMX

Bores Ø

Double acting
Magnetic

Type



Technical data

Bore Ø	10	12	16	20	25
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) -20°C ÷ +150°C (V)				
Strokes	10 ÷ 1000 mm				
Ports	M5			1/8"	
Rod thread	M4	M6		M8	M10x1,25

Standard strokes

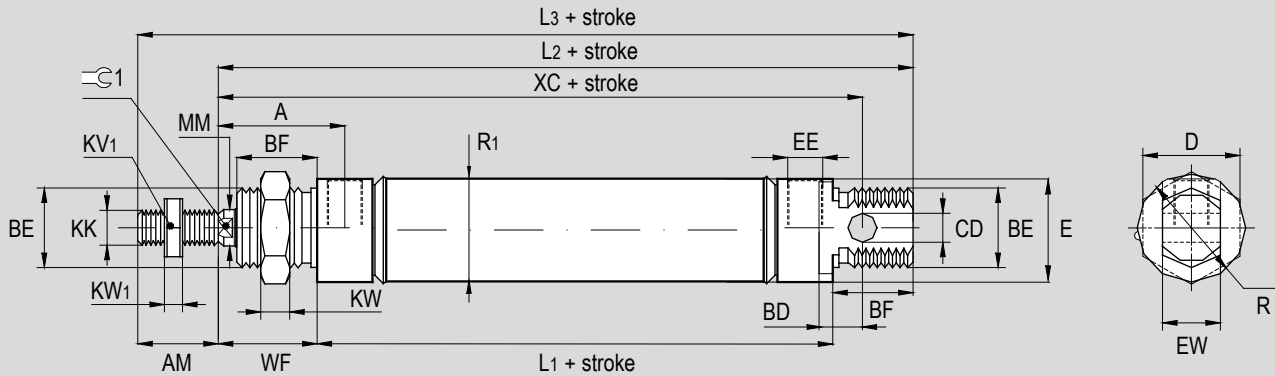
Stroke mm	MDMX Bore Ø mm				
	10	12	16	20	25
10					
25					
50					
80					
100					
125					
160					
200					
250					
320					
400					
500					

Key

Standard stroke

Standard dimensions

Type: **MDMX**

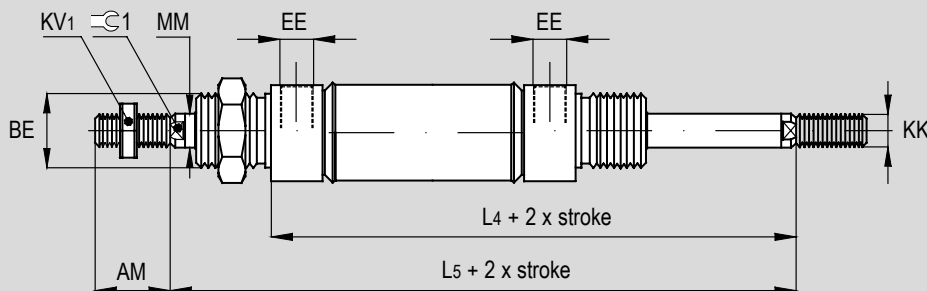


Ø (mm)	KK	MM	BE	R	EW	R ₁	E	CD	AM	XC	L ₂
10	M4x0,7	4	M12x1,25	16	-	11,27	15	4	12	64	74
12	M6	5	M16x1,5	19	12	13,27	18	6	16	75	88
16	M6	6	M16x1,5	20	12	17,27	19	6	16	82	96
20	M8	8	M22x1,5	27	16	21,27	25,5	8	20	95	111
25	M10x1,25	10	M22x1,5	30	16	26,5	28	8	22	104	118

Ø (mm)	L ₁	WF	BF	A	BD	⌀1	EE	L ₃	D	KW	KW ₁	KV
10	46	16	12	21	6	-	M5	86	15	-	-	-
12	48	22	18	27	9	-	M5	104	18	-	-	-
16	56	22	18	27	9	5	M5	112	24	6	3	10
20	67	24	20	32	12	7	G1/8"	131	27	8	4	13
25	67	29	22	37	12	9	G1/8"	140	27	8	5	17

Dimensions with options

Type: **...P**



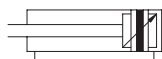
Ø mm	L ₄	L ₅	EE	BE	KK	⌀1	KV ₁	MM	AM
10	74	78	M5	M12x1,25	M4x0,7	-	-	4	12
12	74	78	M5	M16x1,5	M6	-	-	5	16
16	74,5	96,5	M5	M16x1,5	M6	5	10	6	16
20	92	116	G1/8"	M22x1,5	M8	7	13	8	20
25	97	125	G1/8"	M22x1,5	M10x1,25	9	17	10	22

Stainless Steel Cylinders ISO 6432

Series MDMAX

Main features

20 ÷ 25



MDMAX

Bores Ø

Double acting
Magnetic
With cushionings

Type



Technical data

Bore Ø	20	25
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)	-20°C ÷ +150°C (V)
Strokes	25 ÷ 1000 mm	
Ports	1/8"	
Rod thread	M8	M10x1,25
Cushion length	17 mm	20 mm

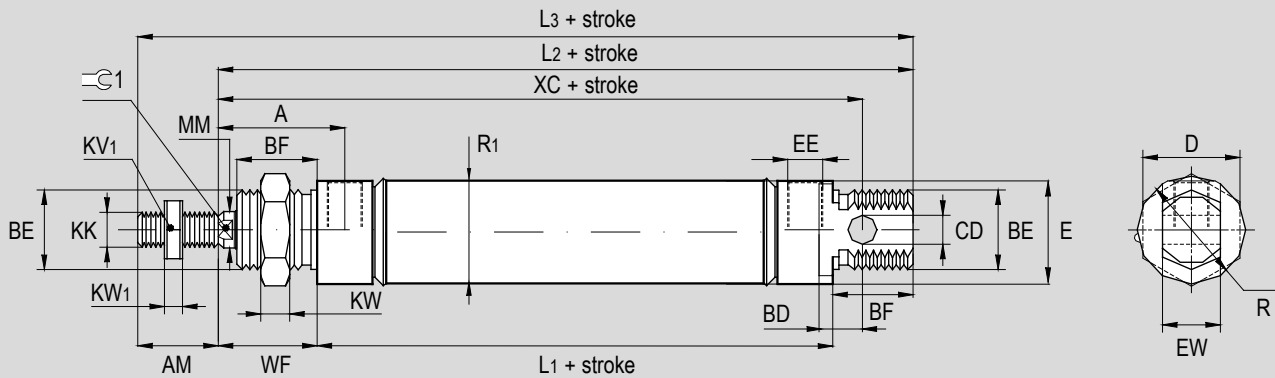
Standard strokes

Stroke mm	MDMAX Bore Ø mm	
	20	25
25		
50		
80		
100		
125		
160		
200		
250		
320		
400		
500		

Key
 Standard stroke

Standard dimensions

Type: **MDMAX**

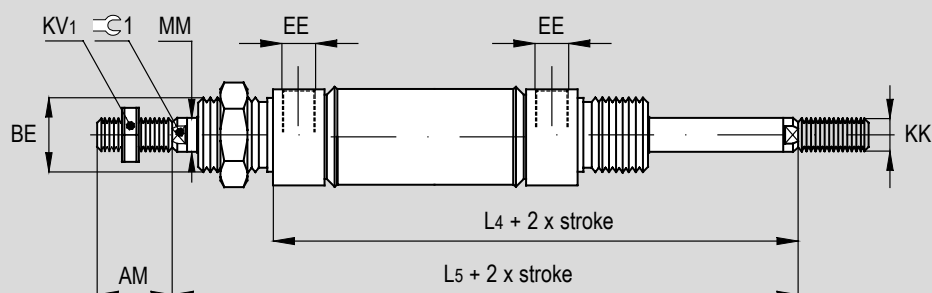


Ø (mm)	KK	MM	BE	R	EW	R ₁	E	CD	AM	XC	L ₂
20	M8	8	M22x1,5	27	16	21,27	25,5	8	20	95	111
25	M10x1,25	10	M22x1,5	30	16	26,5	28	8	22	104	118

Ø (mm)	L ₁	WF	BF	A	BD	≡ 1	EE	L ₃	D	KW	KW ₁	KV
20	67	24	20	32	12	7	G1/8"	131	27	8	4	13
25	67	29	22	37	12	9	G1/8"	140	27	8	5	17

Dimensions with options

Type: **...P**



Ø mm	L ₄	L ₅	EE	BE	KK	≡ 1	KV ₁	MM	AM
20	92	116	G1/8"	M22x1,5	M8	7	13	8	20
25	97	125	G1/8"	M22x1,5	M10x1,25	9	17	10	22

Stainless Steel female clevis with pin and seeger FFX..ISO

	For cylinder Ø mm	Code	Item	Compliance
	10	041052	FFX04ISO/DIN	
	12-16	041053	FFX06ISO/DIN	
	20	041054	FFX08ISO	
	25	041055	FFX10ISO	

Stainless Steel bearing heads (DIN 648K) RFX..SE

	For cylinder Ø mm	Code	Item	Compliance
	10	041576	RFX5SE	
	12-16	041570	RFX6SE	
	20	041577	RFX8SE	
	25	040009	RFX10SE	

Stainless Steel self-aligning articulated coupling GBX..

	For cylinder Ø mm	Code	Item	Compliance
	10	041734	GBX008	-
	12-16	041735	GBX010	
	20	041736	GBX020	
	25	041737	GBX040	

Stainless Steel self-aligning coupling GCX..

	For cylinder Ø mm	Code	Item	Compliance
	25	041728	GCXM10x1,25	-

Stainless Steel rear clevis with pin and seeger CFX..

	For cylinder Ø mm	Code	Item	Compliance
	12-16	040046	CFX12-16	
	20-25	040047	CFX20-25	

Kit composed by rear clevis, pin and two seeger.

Stainless Steel high foot PX..

	For cylinder Ø mm	Code	Item	Compliance
	12-16	040026	PX12-16	
	20-25	040027	PX20-25	

Supplied individually.

Stainless Steel flange FX..

	For cylinder Ø mm	Code	Item	Compliance
	12-16	040006	FX12-16	
	20-25	040007	FX20-25	

Supplied individually.

Bracket for magnetic reed switch T groove AFM..

	For cylinder Ø mm	Code	Item	Compliance
	10	072902	AFM10	-
	12	072903	AFM12	
	16	072904	AFM16	
	20	072905	AFM20	
	25	072906	AFM25	

Magnetic reed switch T groove ASV..

	For cylinder Ø mm	Code	Item	Cylinder matching
	10 ÷ 25	070946	ASV1C525	MDMX* MDMAX*
		071863	ASV1C550	
		071864	ASV1C51K	
		071189	ASV1C5M8	
		073639	ASV4D225	
		070246	ASV4D2M8	
		074900	ASV7N225	
		070247	ASV7N2M8	
		070372	ASV7M2M8	
		072918	ASV1H525	

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

ATEX magnetic reed switch T groove MK..

	For cylinder Ø mm	Code	Item	Compliance	Cylinder matching
	10 ÷ 25	071120	MK500A		MDMX* MDMAX*
		071108	MK502A		

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