

STAINLESS STEEL

round cylinders Series RDX - RDMX - RDMAX



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Stainless Steel round cylinders

Series RDX - RDMX - RDMAX

Main features and certifications

Series of Stainless Steel Round Cylinders in bores from Ø 32 to 63, double acting, magnetic or not magnetic, with or without cushionings. Supplied as standard in compliance to Reach and RoHS directives, and SIL certified. On request, can be also supplied according to the 2014/34/EU ATEX Directive.

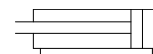


Type RDX Ø 32 ÷ 63

from page 5.13.20



Stainless Steel round cylinders not conforming to standards, available in bores from Ø 32 to 63, double acting, not magnetic. Heads are joined to barrel through rolling, thus ensure a perfect tightening. Supplied complete with rod nut and head nut.

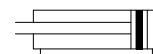


Type RDMX Ø 32 ÷ 63

from page 5.13.20



Stainless Steel round cylinders not conforming to standards, available in bores from Ø 32 to 63, double acting, magnetic. Heads are joined to barrel through rolling, thus ensure a perfect tightening. Supplied complete with rod nut and head nut.

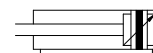


Type RDMAX Ø 32 ÷ 40

from page 5.13.40



Stainless Steel round cylinders not conforming to standards, available in bores from Ø 32 to 63, double acting, magnetic, with adjustable cushionings. Heads are joined to barrel through rolling, thus ensure a perfect tightening. Supplied complete with rod nut and head nut.



Stainless Steel round cylinders

Series RDX - RDMX - RDMAX

Options		
Description	Symbol	Suffix
Through rod		P
FKM seals	-20°C ÷ +150°C 	V
FKM rod seal	-20°C ÷ +80°C 	V1
Low temperature seals	-40°C ÷ +80°C 	BT
Special male thread (indicate the requested thread. E.g.: R-M 10x1,5; the dimension AM of the special thread will be the same as the standard; cylinder will be supplied without rod nut; for further information please contact the sales department)		R-M..
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 the table at page 5.13.4; For code key see from page 5.13.5

Stainless Steel round cylinders

Series RDX - RDMX - RDMAX

Options matching

Series	Bore	Model	Standard options matching					
			P	V	V1	BT	RM.. ⁽¹⁾	/ATEX
RDX RDMX	Ø 32 ÷ 63	Standard	•	•	•	•	•	•
		Through rod (P)		•	•	•	•	•
RDMAX	Ø 32 ÷ 40	Standard	•	•	•	•	•	•
		Through rod (P)		•	•	•	•	•

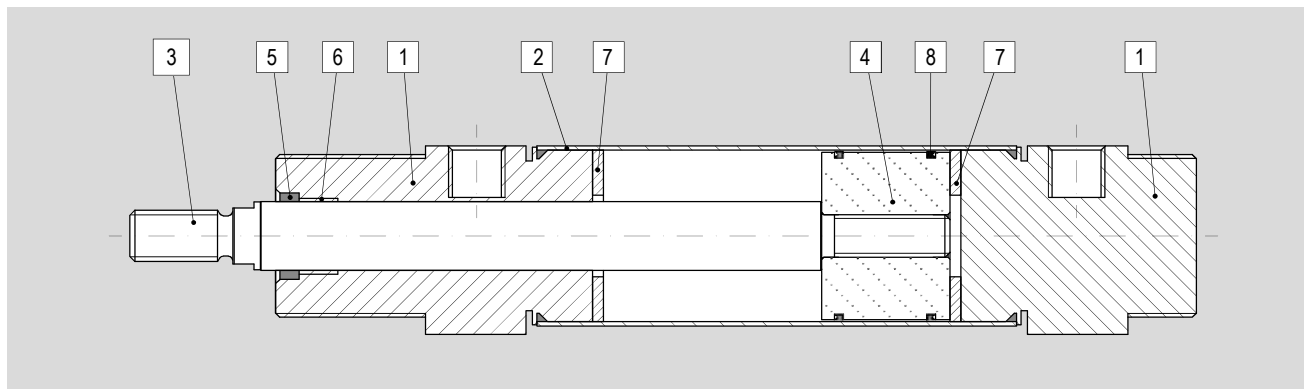
Key

• matching accessory; - not matching accessory

Options matching - note

(1) Option **R-M..** require to indicate the desired thread; for models with through rod option (**P**) the special male thread option (**R-M..**) are applied on both sides of the rod. For further information please contact the sales department.

Standard materials



Position	Description	Material
1	Heads	Stainless Steel AISI 304
2	Tube	Stainless Steel AISI 304
3	Rod	Stainless Steel AISI 316
4	Piston	Aluminium
5	Rod seal	Special polyurethane
6	Bushing	Sintered bronze
7	Damper	NBR
8	Seals	NBR / Polyurethane (PU)

Stainless Steel round cylinders

Series RDX - RDMX - RDMAX

Code key

Bore	/	Stroke	Type	Options			/	ATEX version	Special version
40	/	80	RDX	P	V		/		
Ø 32, 40, 50, 63		10 mm ÷ 1000 mm	RDX Double acting Non magnetic	P	V	R-M..			S
			RDMX Double acting Magnetic		V1				
			RDMAX ⁽¹⁾ Double acting Magnetic With cushionings		BT				
								ATEX	CE Ex II 2G Ex h IIC T5 Gb II 2D Ex h IIIC T100°C Db

How to order

Bore	Stroke	Type	Options
40	/	80	RDX
			P V

Notes

For standard materials see the table in the next page.

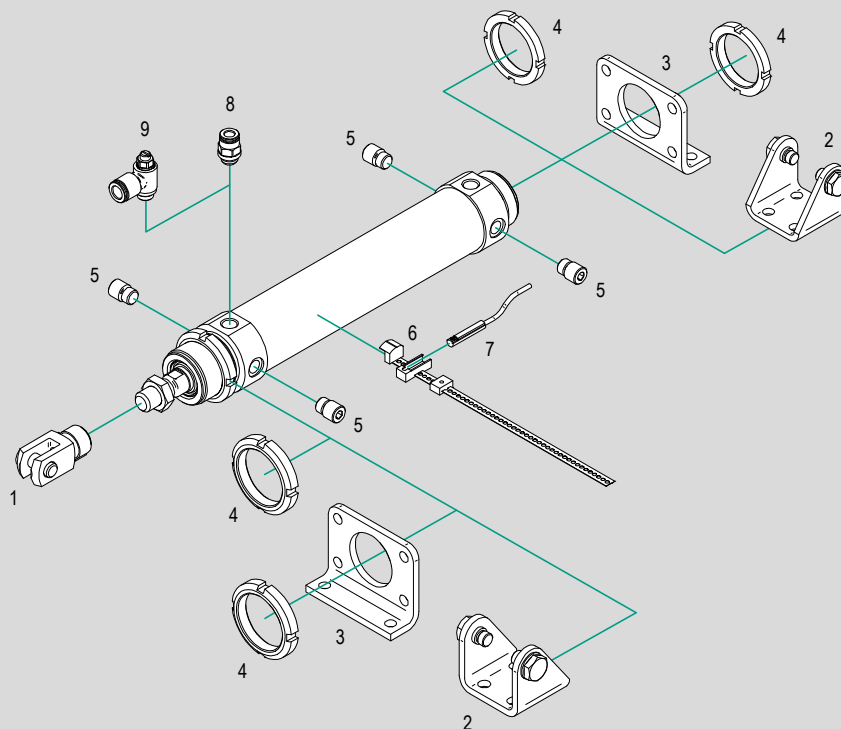
Options in the same grid are alternative to each others.

For further information on options and their matching, see page 5.13.3 e 5.13.4

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

(1) Available only for bores Ø 32 and 40.

Accessories



N.	Cylinder bore	Item	Description	Compliance	Matching			Code key page	Data sheet page
					RDX	RDMX	RDMAX		
1	Ø 32 ÷ 63	FFX..DIN	Stainless Steel DIN female clevis with pin and seeger	UNI 1676 DIN 71752	●	●	●	5.13.90	5.52.1
2	Ø 32 ÷ 63	CFX..AQM	Stainless Steel rear clevis	-	●	●	●		5.73.1
3	Ø 32 ÷ 63	PX..AQM	Stainless Steel foot-flange		●	●	●		5.73.1
4	Ø 32 ÷ 63	GHX..AQM	Stainless Steel head nut		●	●	●		5.73.2
5	Ø 32 ÷ 63	SECX..AQM	Stainless Steel pin		●	●	●		5.73.2
6	Ø 32 ÷ 63	AFR..	Bracket for magnetic reed switch T groove		-	●	●		1.120.3
7	Ø 32 ÷ 63	ASV..	Magnetic reed switch T groove		-	●	●		1.110.10
		MK..	ATEX magnetic reed switch T groove	2014/34/UE	-	●	●		1.113.1
8	Ø 32 ÷ 63	RX	Stainless steel push-in fittings	-	●	●	●	5.302.1	
9	Ø 32 ÷ 63	VX..C	Stainless Steel flow controls, for cylinders		●	●	●	5.372.1	

Key

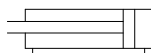
● matching accessory; - not matching accessory

Stainless Steel round cylinders

Series RDX - RDMX

Main features

32 ÷ 63



RDX

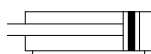
Bores Ø

Double acting
Non magnetic

Type



32 ÷ 63



RDMX

Bores Ø

Double acting
Magnetic

Type



Technical data

Bore Ø	32	40	50	63
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)	-40°C ÷ +80°C (BT)	
Strokes	25 ÷ 1000 mm			
Ports	1/8"	1/4"		3/8"
Rod thread	M10x1,5	M12x1,75	M16x2	

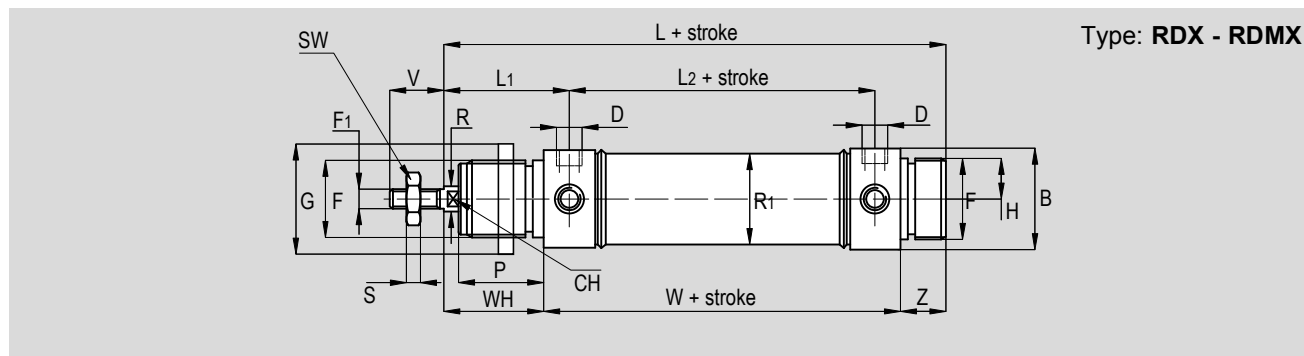
Standard strokes

Stroke mm	RDX Bore Ø mm			
	32	40	50	63
25				
50				
80				
100				
125				
160				
200				
250				
320				
400				
500				

Stroke mm	RDMX Bore Ø mm			
	32	40	50	63
25				
50				
80				
100				
125				
160				
200				
250				
320				
400				
500				

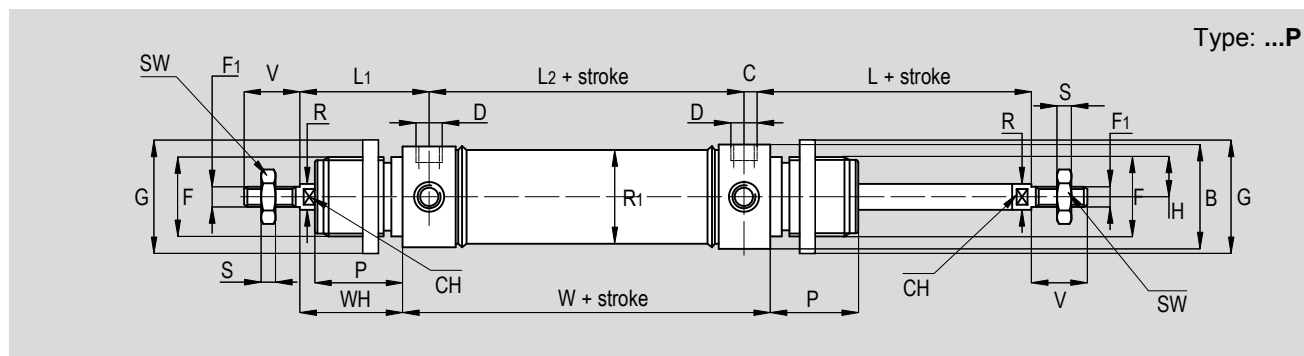
Key
 Standard stroke

Standard dimensions



Ø (mm)	V	F	P	D	F ₁	R	L ₂	Z	WH	W	L ₁	L	R ₁	H	S	ØB	CH	SW	ØG
32	20	M30x1,5	30	G1/8"	M10x1,5	12	78	14	38	96	47	148	33,6	17,5	6	38	10	17	45
40	24	M38x1,5	35	G1/4"	M12x1,75	16	89	16	45	113	57	174	41,6	21	7	46	13	19	50
50	32	M45x1,5	38	G1/4"	M16x2	20	96	18	50	120	62	188	52,4	26,5	8	57	17	24	58
63	32	M45x1,5	38	G3/8"	M16x2	20	98	18	50	124	63	192	65,4	32,5	8	70	17	24	58

Dimensions with options



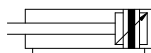
Ø (mm)	V	F	P	D	F ₁	R	L ₂	WH	W	L	C	L ₁	R ₁	H	S	ØB	CH	SW	ØG
32	20	M30x1,5	30	G1/8"	M10x1,5	12	78	38	96	38	9	47	33,6	17,5	6	38	10	17	45
40	24	M38x1,5	35	G1/4"	M12x1,75	16	89	45	113	45	12	57	41,6	21	7	46	13	19	50
50	32	M45x1,5	38	G1/4"	M16x2	20	96	50	120	50	12	62	52,4	26,5	8	57	17	24	58
63	32	M45x1,5	38	G3/8"	M16x2	20	98	50	124	50	13	63	65,4	32,5	8	70	17	24	58

Stainless Steel round cylinders

Series RDMAX

Main features

32 ÷ 63



RDMAX

Bores Ø

Double acting
Magnetic
With cushionings

Type



Technical data

Bore Ø	32	40
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) -40°C ÷ +80°C (BT)
Strokes	25 ÷ 1000 mm	
Ports	1/8"	1/4"
Rod thread	M10x1,5	M12x1,75

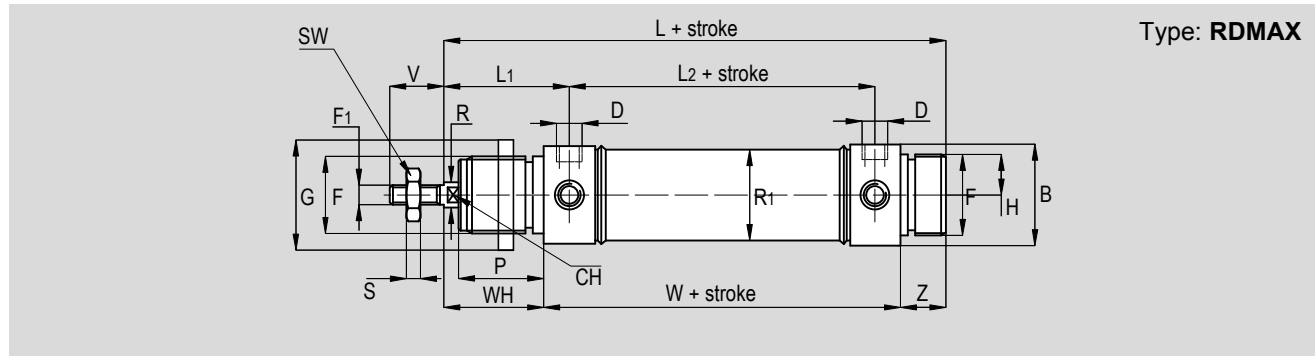
Standard strokes

Stroke mm	RDMAX Bore Ø mm	
	32	40
25		
50		
80		
100		
125		
160		
200		
250		
320		
400		
500		

Key

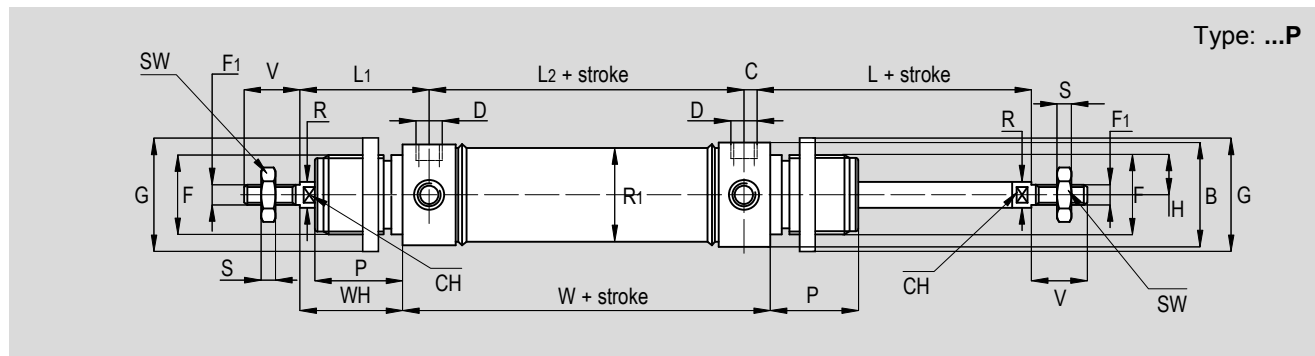
□ Standard stroke

Standard dimensions



Ø (mm)	V	F	P	D	F ₁	R	L ₂	Z	WH	W	L ₁	L	R ₁	H	S	ØB	CH	SW	ØG
32	20	M30x1,5	30	G1/8"	M10x1,5	12	78	14	38	96	47	148	33,6	17,5	6	38	10	17	45
40	24	M38x1,5	35	G1/4"	M12x1,75	16	89	16	45	113	57	174	41,6	21	7	46	13	19	50

Dimensions with options



Ø (mm)	V	F	P	D	F ₁	R	L ₂	WH	W	L	C	L ₁	R ₁	H	S	ØB	CH	SW	ØG
32	20	M30x1,5	30	G1/8"	M10x1,5	12	78	38	96	38	9	47	33,6	17,5	6	38	10	17	45
40	24	M38x1,5	35	G1/4"	M12x1,75	16	89	45	113	45	12	57	41,6	21	7	46	13	19	50

Accessories for stainless steel round cylinders

Series RDX - RDMX - RDMAX

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

	For cylinder Ø mm	Code	Item	Compliance
	32	041070	FFX10DIN	 
	40	041216	FFX12DIN	
	50-63	041078	FFX16DIN	

Stainless steel rear clevis* with pins CFX..AQM

	For cylinder Ø mm	Code	Item	Compliance
	32	040113	CFX032AQM	-
	40	040111	CFX040AQM	
	50	040139	CFX050AQM	
	63	040031	CFX063AQM	

*Kit composed by rear clevis and two pins.

Stainless Steel foot-hinge* PX..AQM

	For cylinder Ø mm	Code	Item	Compliance
	32	040119	PX032AQM	-
	40	040120	PX040AQM	
	50	040137	PX050AQM	
	63	040138	PX063AQM	

*Mounting require stainless steel head nut type GH..AQM, see below

Stainless Steel pin* SECX..AQM

	For cylinder Ø mm	Code	Item	Compliance
	32	040174	SECX032AQM	-
	40	040175	SECX040AQM	
	50	040176	SECX050AQM	
	63	040177	SECX063AQM	

*Kit composed by two pins.

Stainless Steel head nut GHX..AQM

	For cylinder Ø mm	Code	Item	Compliance
	32	040069	GHX032AQM	-
	40	040187	GHX040AQM	
	50-63	040188	GHX050/063AQM	

Bracket for magnetic reed switch T groove type AFR..

	For cylinder Ø mm	Code	Item	Compliance
	32 ÷ 63	072907	AFR1063	-

Magnetic reed switch T groove ASV..

	For cylinder Ø mm	Code	Item	Cylinder matching
	32 ÷ 63	070946	ASV1C525	RDMX* RDMAX*
		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
	32 ÷ 63	071120	MK500A	 3D	RDMX* RDMAX*
		071108	MK502A	 II1G	

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