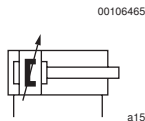


Piston rod cylinders → Standard cylinders

Mini cylinder, ISO 6432, series MNI

► Ø 16 - 25 mm ► Ports: M5 - G 1/8 ► double-acting ► with magnetic piston ► heat resistant ► cushioning: pneumatic, adjustable ► with integrated rear eye ► piston rod: external thread



Standards	ISO 6432
Compressed air connection	internal thread
Working pressure min./max.	1 bar / 10 bar
Ambient temperature min./max.	-10 °C / +120 °C
Medium temperature min./max.	-10 °C / +120 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pressure for determining piston forces	6,3 bar

Materials:

Cylinder tube	Stainless steel
Piston rod	Stainless steel
Piston	Brass
Front cover	Aluminum, anodized
End cover	Aluminum anodized
Seal	Hydrogenated acrylonitrile butadiene rubber
Nut for cylinder mounting	Steel, galvanized
Nut for piston rod	Steel, galvanized
Scraper	Hydrogenated acrylonitrile butadiene rubber

Technical Remarks

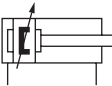
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- Clamping piece for magnetic field sensor necessary

Piston Ø		[mm]	16	20	25		
Retracting piston force		[N]	108	165	255		
Extending piston force		[N]	126	195	305		
Cushioning length		[mm]	9	13	17.5		
Weight	0 mm stroke	[kg]	0.1	0.16	0.265		
	+10 mm stroke	[kg]	0.0055	0.009	0.013		
Stroke max.		[mm]	800	1300	1500		

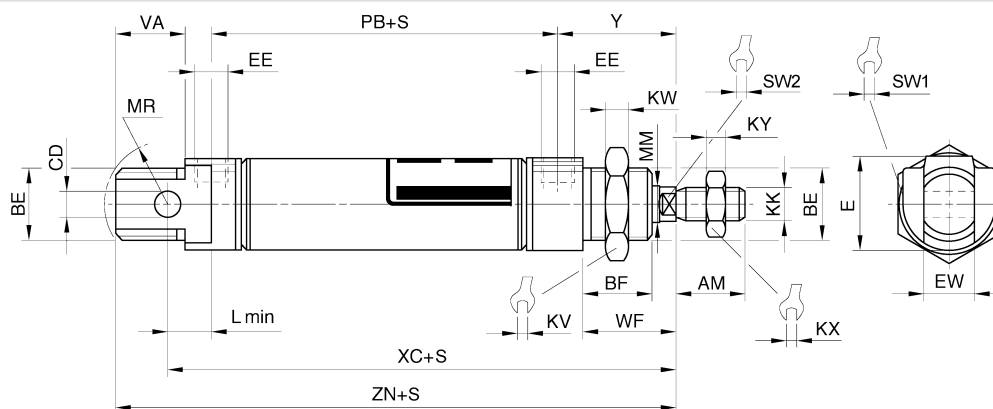
Piston rod cylinders → Standard cylinders

Mini cylinder, ISO 6432, series MNI

► Ø 16 - 25 mm ► Ports: M5 - G 1/8 ► double-acting ► with magnetic piston ► heat resistant ► cushioning: pneumatic, adjustable ► with integrated rear eye ► piston rod: external thread

	Piston Ø Piston rod thread Ports Piston rod Ø Cylinder outer thread	16 M6 M5 6 M16x1,5	20 M8 G 1/8 8 M22x1,5	25 M10x1,25 G 1/8 10 M22x1,5		
	Stroke 10	0822332451	0822333451	0822334451		
	25	0822332452	0822333452	0822334452		
	50	0822332453	0822333453	0822334453		
	80	0822332454	0822333454	0822334454		
	100	0822332455	0822333455	0822334455		
	125	0822332456	0822333456	0822334456		
	160	0822332457	0822333457	0822334457		
	200	0822332458	0822333458	0822334458		
	250	-	0822333459	0822334459		
	320	-	0822333460	0822334460		
	400	-	-	0822334461		
	500	-	-	0822334462		

other versions can be ordered from Bosch Rexroth sales offices

Dimensions

00106425_g

S = stroke

Piston Ø	AM-2	BE	BF	CD H9	E	EE	EW d13	KK	KV	KW	KX	KY
16	16	M16x1,5	16	6	19	M5 t=5	12	M6	22	6	10	3.2
20	20	M22x1,5	18	8	28	G1/8 t=8	16	M8	30	7	13	4
25	22	M22x1,5	21	8	28	G1/8 t=8	16	M10x1,25	30	7	17	6

Piston Ø	L min.	MM f8	MR	PB ±1	VA	WF ±1,2	XC ±1	Y ± 1	ZN ± 1,4	SW 1	SW 2		
16	9	6	16	47	17	22	82	27	95.5	19	5		
20	12	8	18	51	19	24	95	32	109.5	28	6		
25	12	10	19	55	21	28	104	36	119.5	28	8		

t = depth of thread