

STANDARD EXECUTIONS

- **MM-BL-NK**: nickel-plated steel.
- **MM-BL-PTFE**: steel with teflon (PTFE) coating.

MAXIMUM WORKING PRESSURE

10 bar.

FEATURES

MM-BL pneumatic fastening clamps are characterised by a "double effect" pneumatic cylinder which transmits a rotating movement to the clamping arm.

The maximum locking momentum is achieved when the clamping arm arrives at the stroke end and through pneumatic actuation only.

Under specific tests the pneumatic fastening clamps showed constant performances for more than 20 million cycles.

The teflon (PTFE) coating provides high resistance to weld spatter and corrosion.

See Pneumatic fastening clamp features (on page -).

SPECIAL EXECUTIONS ON REQUEST

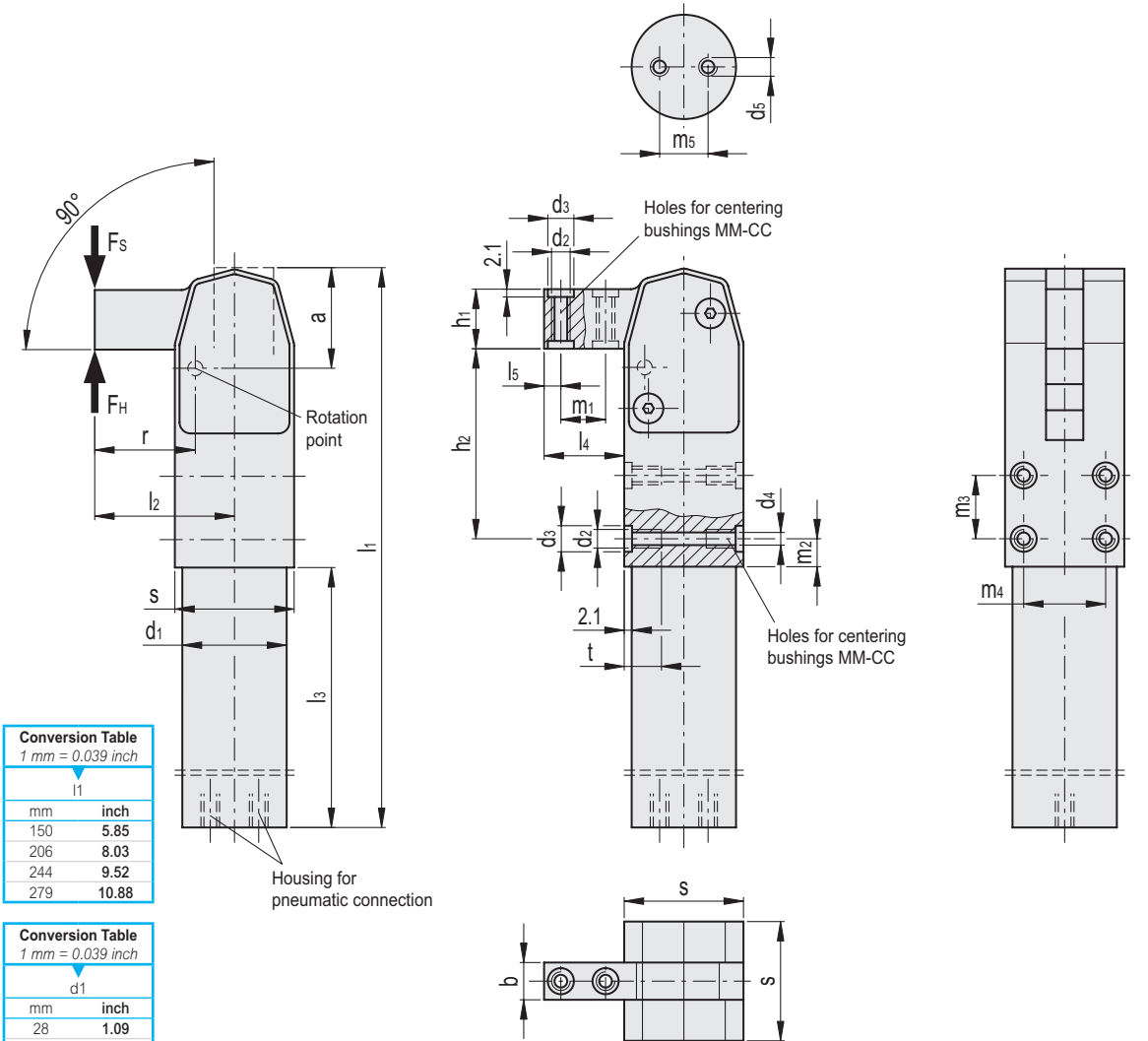
- Fastening clamps with FKM sealing gasket resistant to max working temperatures up to 270°C.
- Fastening clamps with arm rotating movement and locking in the 20° position.
- Fastening clamps with arm rotating movement and locking in the 45° position.

ACCESSORIES ON REQUEST

Brackets, fixing elements and nickel-plated steel sensors (see table of possible configurations)..



Possible configurations of pneumatic fastening clamp MM-BL			
1 x MM-A-RG-NK		1 x MM-A-RG1-NK	
1 x MM-FL-RG-NK		1 x MM-FL-RG1-NK	
1 x MM-SI		1 x MM-SI	
4 x MM-RG		2 x MM-RG	
1 x MM-A-SC-NK		1 x MM-A-SCL-NK	
1 x MM-FL-SC-NK		1 x MM-FL-SCL-NK	
1 x MM-SI		1 x MM-SI	
2 x MM-SC		2 x MM-SC	
2 x MM-GBK		2 x MM-GBK	



Conversion Table
1 mm = 0.039 inch

mm	inch
150	5.85
206	8.03
244	9.52
279	10.88

Conversion Table
1 mm = 0.039 inch

mm	inch
28	1.09
40	1.56
50	1.95
60	2.34

MM-BL-NK

Code	Description	a	b	d1	d2	d3	d4	d5	h1	h2	l1	l2	l3	l4	l5	s	m1	m2	m3	m4	m5	r	t	FH	FS	M#	Δ	
			-0.2	h8		H8					-0.5						±0.01		±0.01	±0.01				[N]	[N]	[Nm]		
MM.14020-NK	MM-BL-20-NK	27	10	28	M5	7	4.2	M5	16	51	150	37.5	70	21.5	4.5	32	12	7.5	17	22	13	27	13	7030	2220	60	618	
MM.14032-NK	MM-BL-32-NK	36.5	12	40	M6	9	5	G 1/8	21	75.5	206	52	91	31	6	42	18	10	25	30	22	36.5	15	12876	4110	150	1504	
MM.14040-NK	MM-BL-40-NK	44.5	16	50	M8	11	6.8	G 1/8	26	91.5	244	63	104	37	7.5	52	22	13	30	37	25	44.5	18	16943	6740	300	2822	
MM.14050-NK	MM-BL-50-NK	52.5	18	60	M10	13	8.5	G 1/8	31	114	279	72.5	110	54	1.5	8	62	27	12	47	44	35	52.5	21	22666	9000	475	4005

MM-BL-PTFE

Code	Description	a	b	d1	d2	d3	d4	d5	h1	h2	l1	l2	l3	l4	l5	s	m1	m2	m3	m4	m5	r	t	FH	FS	M#	Δ	
			-0.2	h8		H8					-0.5						±0.01		±0.01	±0.01				[N]	[N]	[Nm]		
MM.14020-PTFE	MM-BL-20-PTFE	27	10	28	M5	7	4.2	M5	16	51	150	37.5	70	21.5	4.5	32	12	7.5	17	22	13	27	13	7030	2220	60	618	
MM.14032-PTFE	MM-BL-32-PTFE	36.5	12	40	M6	9	5	G 1/8	21	75.5	206	52	91	31	6	42	18	10	25	30	22	36.5	15	12876	4110	150	1504	
MM.14040-PTFE	MM-BL-40-PTFE	44.5	16	50	M8	11	6.8	G 1/8	26	91.5	244	63	104	37	7.5	52	22	13	30	37	25	44.5	18	16943	6740	300	2822	
MM.14050-PTFE	MM-BL-50-PTFE	52.5	18	60	M10	13	8.5	G 1/8	31	114	279	72.5	110	54	1.5	8	62	27	12	47	44	35	52.5	21	22666	9000	475	4005

Maximum tightening moment at 6 bar.

