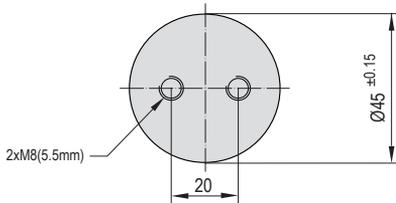
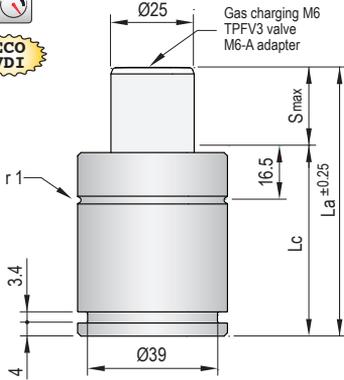


VDI SAFETY

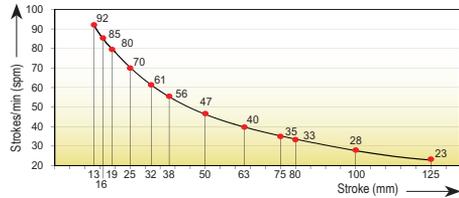


i Pressure medium **Nitrogen (N₂)**

Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit M45

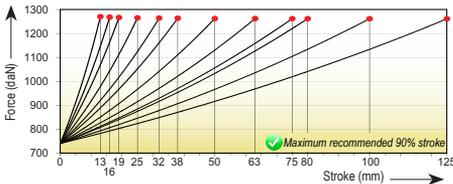


Maximum strokes / minute (at 20°C)

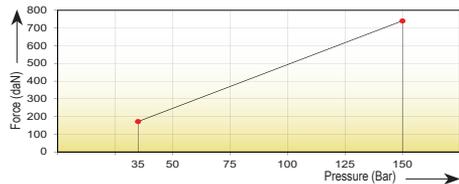


Code	Smax mm	La mm	Lc mm		Fa daN		F daN		Fc daN		P Bar	V l		Kg
MICRO 45x13	13	58	45	740 ±5% (20°C)			1180		1265		150		0,015	0,35
MICRO 45x16	16	64	48				1180		1260		0,019		0,39	
MICRO 45x19	19	70	51				1175		1260		0,022		0,40	
MICRO 45x25	25	82	57				1175		1260		0,030		0,44	
MICRO 45x32	32	96	64				1175		1260		0,038		0,47	
MICRO 45x38	38	108	70				1175		1255		0,045		0,50	
MICRO 45x50	50	132	82				1175		1255		0,059		0,59	
MICRO 45x63	63	158	95				1175		1255		0,075		0,65	
MICRO 45x75	75	182	107				1175		1255		0,089		0,80	
MICRO 45x80	80	192	112				1175		1255		0,095		0,85	
MICRO 45x100	100	232	132				1175		1255		0,119		0,98	
MICRO 45x125	125	282	157				1170		1255		0,149		1,15	

Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



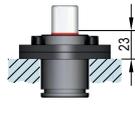
Follow guidelines
Page 287



DROP-IN



SCREWS



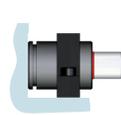
FS 45-FSC 45



FP 45-FPR 45



FB 45



FI 45-FI 45/1