

MODEL	CHARGING PRESSURE (BAR)	FORCE (daN) @20° C		COLOUR
		INITIAL	END	
MS15-045-XXX	45	18	24.9	Green
MS15-090-XXX	90	35	49.8	Blue
MS15-135-XXX	135	50	74.7	Red
MS15-180-XXX	180	70	99.6	Yellow

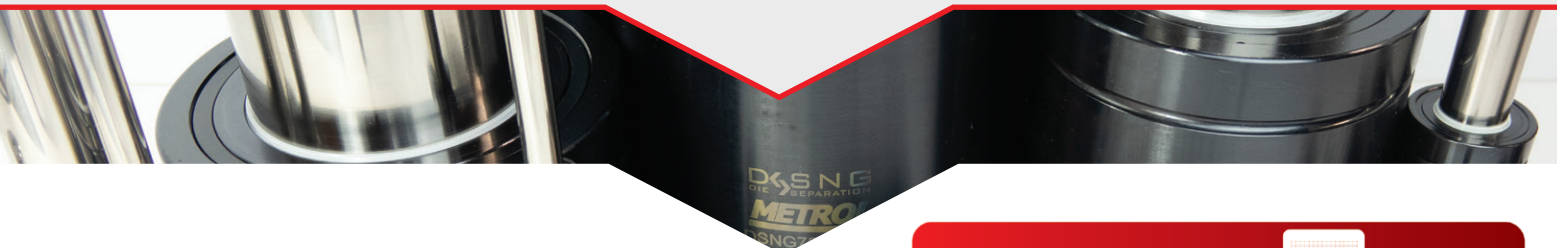
SPECIAL STROKE SIZES AVAILABLE UPON REQUEST

TYPE	STROKE	L MIN	L
MS15	7	49	56
	10	52	62
	13	54.7	67.4
	15	57	72
	19	61	80
	25	67	92
	38	80.1	118.2
	50	92	142
	63	108.5	172
	75	120	195
	80	125	205
	100	145	245
125	170	295	

ORDERING EXAMPLE: **MS15-045-007**

USE ONLY NITROGEN

MAX. PRESSURE: 180 BAR	MIN. PRESSURE: 20 BAR	MAX. PISTON VELOCITY: 1.6M/SEC
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GAS SPRING FORCE CALCULATOR

www.metrol.com/gas-spring-force-calculator

MOUNTING EXAMPLES

(all dimensions are mm, unless otherwise stated) for other possible mounting options see pages 84 - 88



Please note: gas springs should always be positively retained where possible. How to order: Spring Type x Stroke + Mounting Type ie: MS15 x 7 + FF