

# SINGLE-ACTING, SPRING-RETURN CYLINDERS WITH EXTERNAL THREADED BODY AND THREADED THROUGH HOLE SERIES 23



Single-acting cylinders with spring-loaded return. The body is smooth on the outside with a threaded through hole to allow insertion of the supporting pins and tie rods. They come in 5 different models and can be used with oil only.



## APPLICATIONS

Due to their exceptional force, they are used for their thrust function. They can be mounted in any position on multiple units and are used to lock large parts in position. Possible applications are for riveting, bending, marking, pressing, shearing, punching, drawing and upsetting. For punch recall, add springs or other fixtures on the outside. Use the holes in the base to fix the cylinders.

**IMPORTANT:**  
Do not operate the cylinders to the end-of-stroke position.

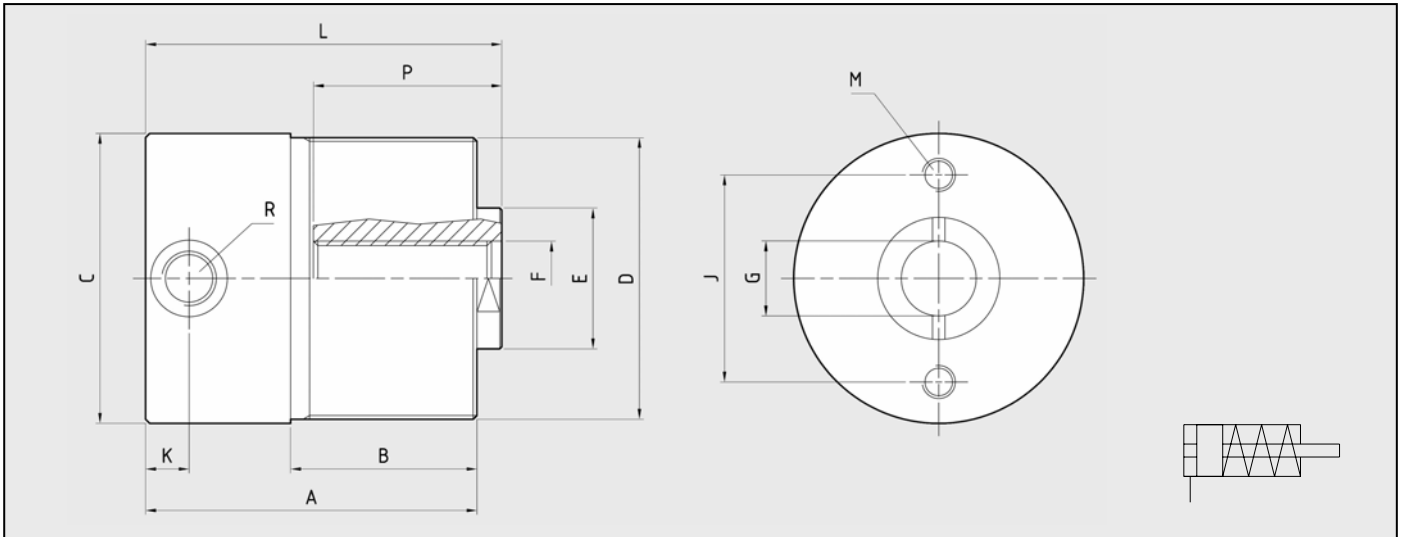
## KEY TO CODES

Z52	23	83	70	12
	SERIES	THREADED DIAMETER	OUTSIDE BORE	STROKE (mm)
	23	48	40	06
		68	57	06
		83	70	12

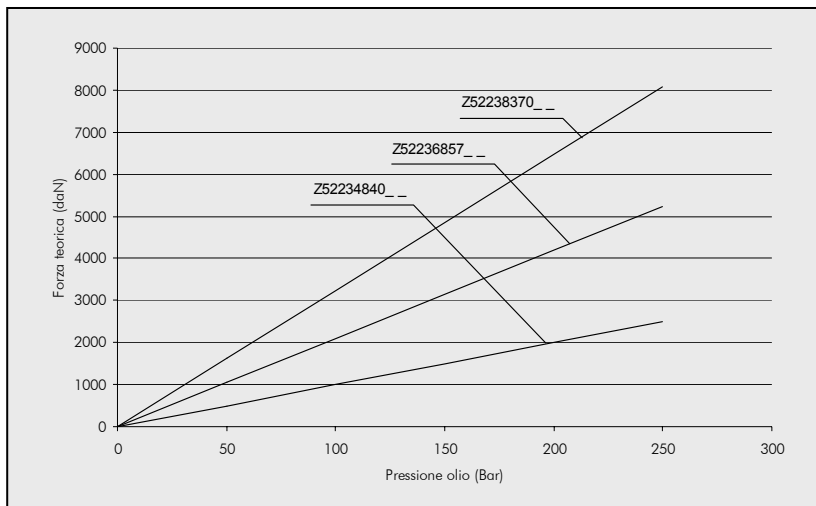
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## CHARACTERISTICS AND DIMENSIONS



ITEM CODE	FORCE (daN)		SURFACE AREA (cm <sup>2</sup> )	VOLUME (cm <sup>3</sup> )	STROKE (mm)	DIMENSIONS (mm)												
	150 BAR	240 BAR				A	B	C	D	E	F	G	P	J	K	L	M	R (Oil inlet)
Z5223504006	153	252.5	10.02	6.01	6	50	30	50	M48x1.5	24	M12	12	22	35	8	56	M6x9	1/8G
Z5223705706 Z5223705712	320.5	534	20.97	12.36 24.72	6 12	52 80	30 45	70	M68x2	35	M18	18	22 40	50	8.5 10.5	58 86		1/8G 1/4G
Z5223857006 Z5223857012	494	823.5	32.33	19.39 38.76		62 80	35 45	85	M83x2	40	M20	20	27 40		10.5	68 86	M8x10	1/4G



FORCE/PRESSURE DIAGRAM  
SERIES 23