Vertical pneumatic clamps

with vertical add-on cylinder

Material:
Tempered steel

Surface finish:
Black oxide finish

Sample order:
nlm 05360-08

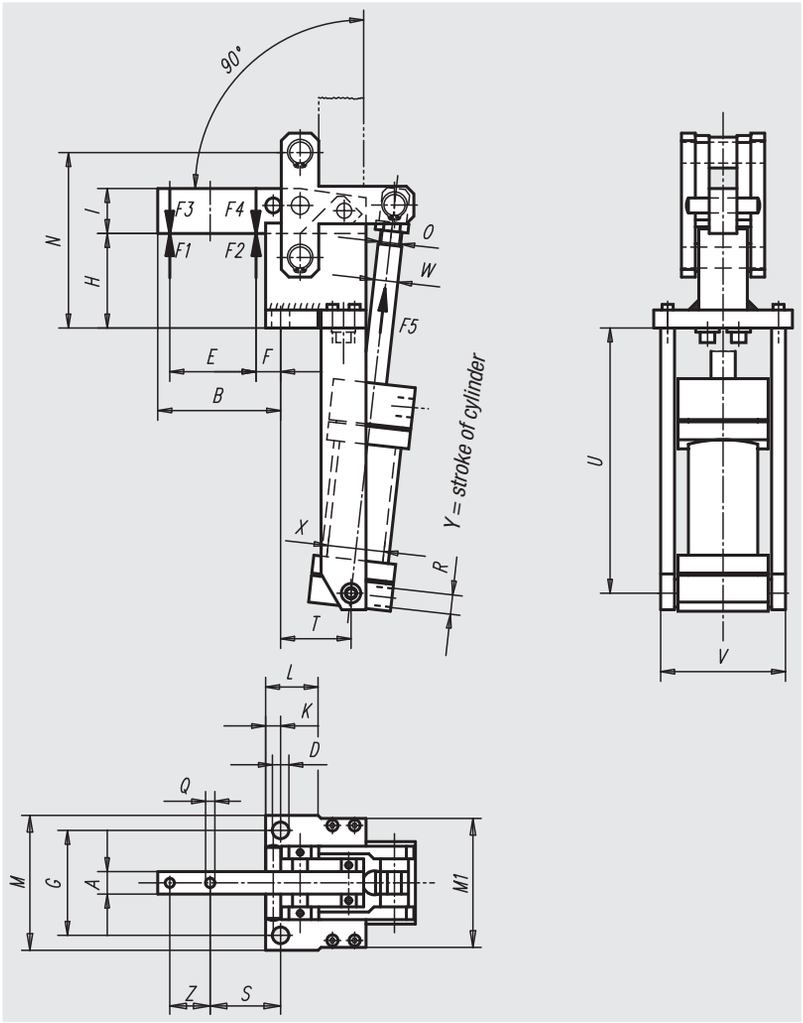
Note:
The clamps 05350 and 05360 are suitable for fitting in special machines and transfer machines. They are maintenance-free as a result of the tempered annd ground bearing pins, which run in Teflon bearings. The heavy design also guarantees a long life, as does the double-acting FESTO pneumatic cylinder.
The fixing screws for the axial bolts are secured with LOCTITE.
The magnetic piston is ready for electric end-stop detector.

VL = compressed air consumption per complete cycle in dm^3 at 6 bar.

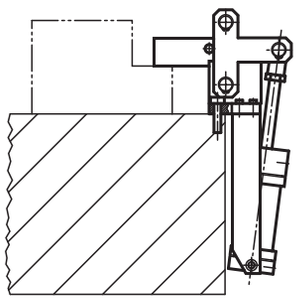
Clamping and holding forces
The selection of the correct size of clamp depends on the forces (see table). We distinguish between holding force F1 or F2 and clamping force F3 or F4.

The clamping force F3 and F4 is the force exerted by the clamping arm on the part to be machined when the clamp is being closed.

The holding force F1 and F2 is the force with which the closed clamping arm opposes the machining forces occurring at the part to be machined and which it resists with no permanent deformation. It is greater than the clamping force because the dead point of the lever has to be overcome with the clamp closed when being pushed back.



On request:
Clamps without cylinder.



Order No.	A	B	D	E	F	G	H	I	K	L	M	M1	N	O	Q	S	T
05360-04	15	82	11	54	20	70	65	30	10	35	90	90	117	M12x1,25	6,2	47	46
05360-06	20	91	13	60	22	83	69	40	12	32	107	100	137	M16x1,5	8,2	54	48
05360-08	30	125	17	95	24,5	115	94	60	15	49	145	123	184	M16x1,5	13,2	67	77

Order No.	U	V	W	X	Y	R	Z	total height	total length	F1 kN	F2 kN	F3 kN	F4 kN	F5 kN	VL	Approx. weight kg
05360-04	193	82	16	40	74	G¼	27	172	340	6	9	1,5	2,2	0,75	1	5,100
05360-06	221	101	16	50	87	G¼	26	195	386	12	18	2,5	3,5	1	1,8	7,250
05360-08	255	123	16	63	120	G¼	40	272	470	20	30	4	6	1,8	4,3	16,800