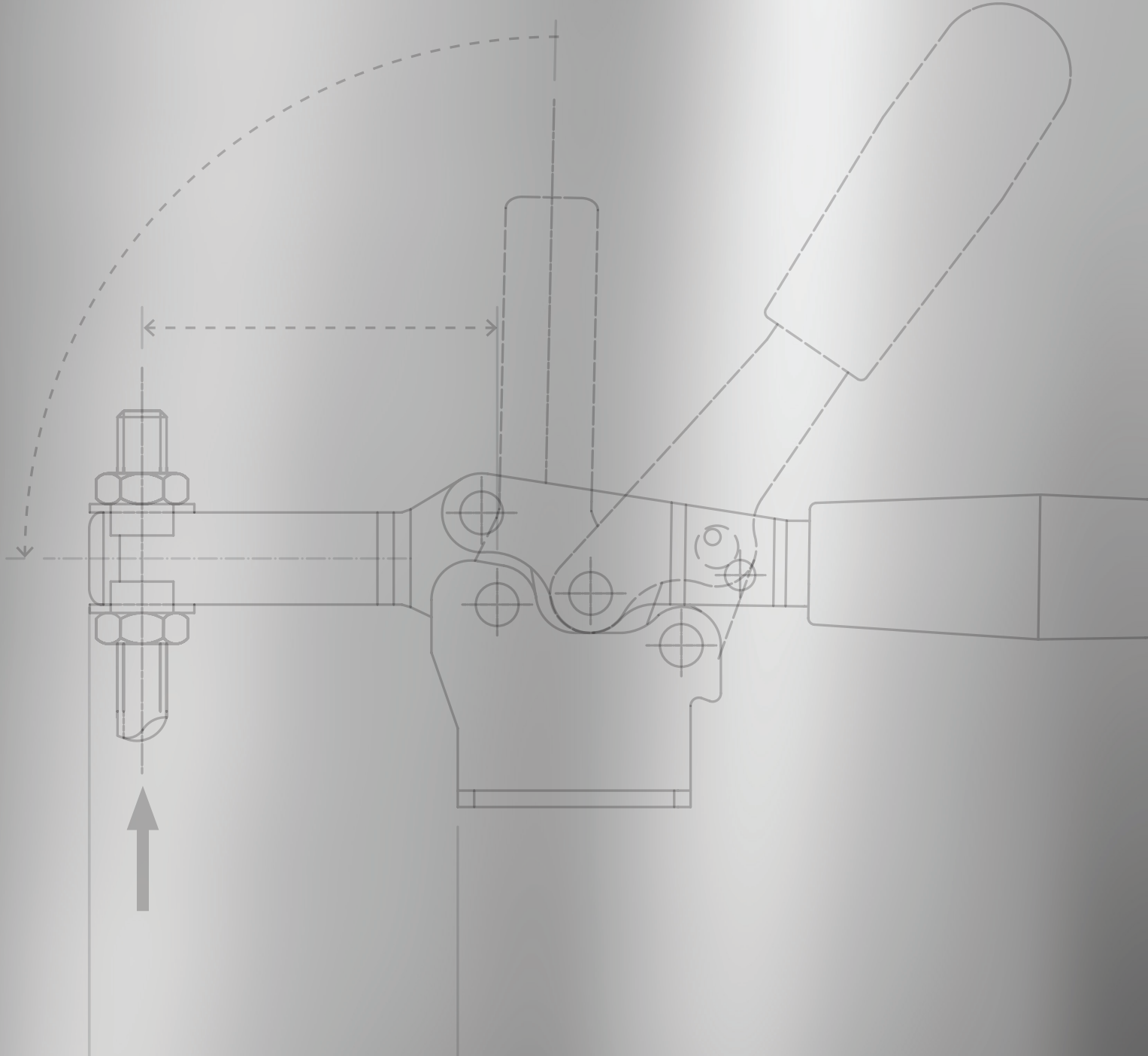


HORIZONTAL SERIES

HORIZONTAL



Here you can download
2D and 3D CAD drawings
of all products.



The tools of this family are characterized by the horizontal position of the control lever in the clamping position. The clamping and control levers normally move in opposite directions.

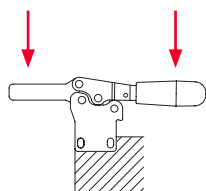
They are available in two different executions:

LIGHT SERIES:

It has holding forces from 40 to 620 daN.
They are available in galvanized steel and stainless steel.

HIGH TEMPERATURE SERIES:

It has holding forces from 100 to 180 daN. These tools are free of plastic parts and with the appropriate modifications compared to the light series models (couplings with different tolerances, changes in geometries, different finishes, etc. ,etc.) that make them suitable for use in environments that can reach 240-300 °C. The products are made of phosphated weldable steel. They are normally used in the rotational moulding of plastic that requires a type of clamping capable of working safely and quickly at high temperatures without uncertainties in closing and opening.



N/NX - P/PX

HORIZONTAL TOGGLE CLAMPS WITH STRAIGHT BASE

Material:

Galvanized steel (N/P) or **AISI 304 stainless steel** (NX/PX).

Riveted Pivots:

Galvanized steel (N/P) or **AISI 304 stainless steel** (NX/PX).

Supporting bushes (for N/P sizes ≥ 355):

Hardened and ground steel.

Handle:

Red polyurethane; resistant to oils, greases and other chemical agents.

Executions:

- **N/NX**: open clamping lever with two folded washers, included in the supply.
- **P/PX**: full clamping lever and bolt retainer, included in the supply, to be welded in the desired position and angle.

Features and applications:

During closing, the clamping lever is guided laterally to ensure greater stability against any transverse stresses.

The movement of the levers has been designed to ensure the safety of the operator's fingers and prevent them from being crushed during the movement of the tool.

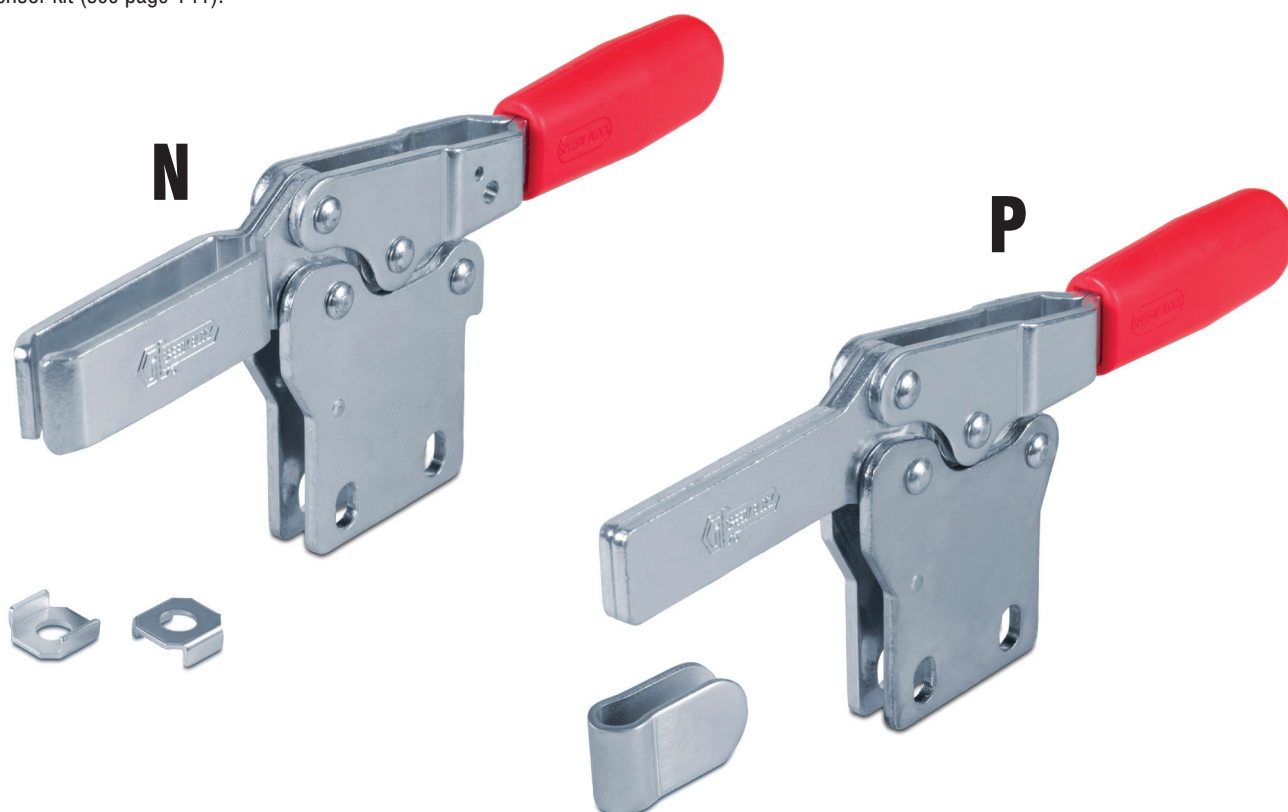
A special grease is applied to the contact surfaces to reduce friction and make the movement smoother.

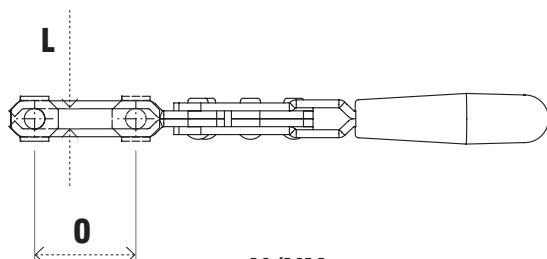
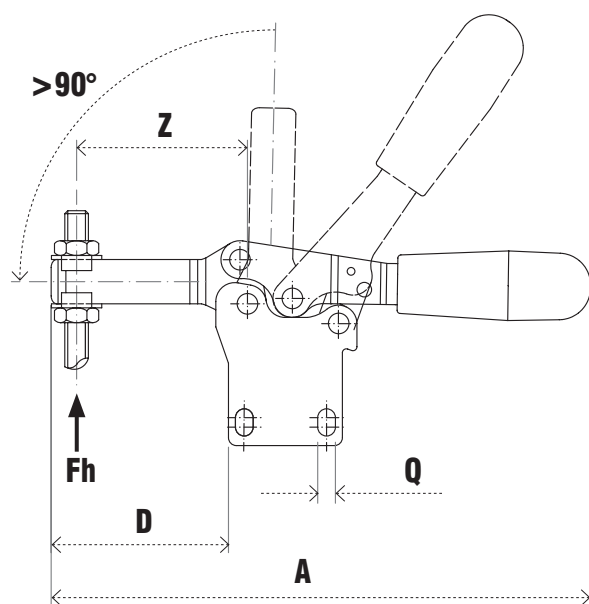
Other available executions:

Series with safety lever, pneumatic series.

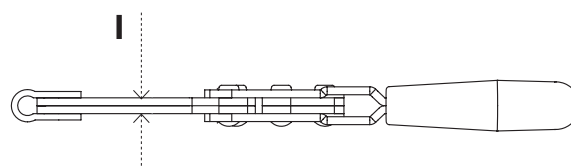
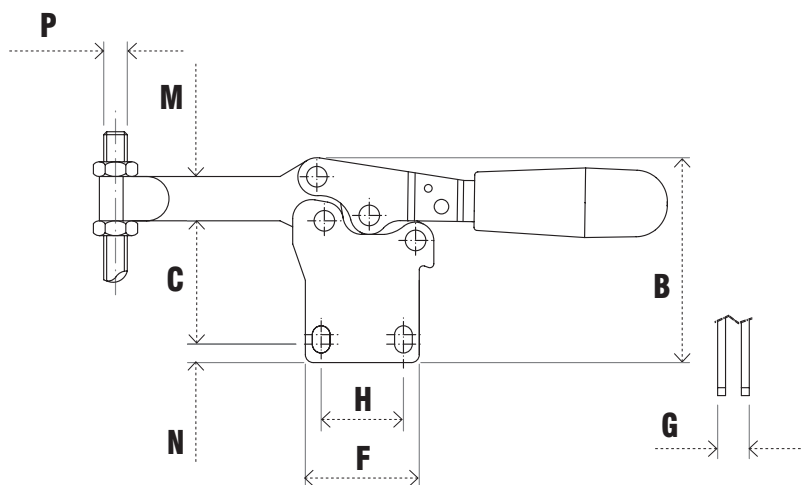
Accessories:

- Spindles (see page 152).
- Lever crossbars for N/NX (see page 155).
- Safety sensor kit (see page 141).





N/NX



P/PX

Code	Description	A	B	C	D	F	G	H	I	L	M	N	O	P	Q	Z	Fh (daN)	Gr.
AD080	75/N	118	45.5	24 ÷ 25.5	39	28	8	13.5		5.3	11	5 ÷ 3.5	20	M5	4.5	36	90	88
AD090	75/P	118.5	45.5	24 ÷ 25.5	39.5	28	8	13.5	4		11	5 ÷ 3.5		M5	4.5		90	88
AD140	130/N	171.5	64.5	35 ÷ 38	56.5	36	10	26		6.3	16	8.8 ÷ 5.8	32	M6	5.6	55	100	200
AD150	130/P	172	64.5	35 ÷ 38	57	36	10	26	5		16	8.8 ÷ 5.8		M6	5.6		100	200
AD275	230/N	196	75.5	42 ÷ 44.5	65	44	12	26		8.5	18	9 ÷ 6.5	37	M8	6.6	62	170	330
AD285	230/P	196.5	75.5	42 ÷ 44.5	67	44	12	26	6		18	9 ÷ 6.5		M8	6.6		170	340
AD375	355/N	270	103	60 ÷ 62	100	60	14	41		10.5	22	9.6 ÷ 7.5	58	M10	8.6	98	180	720
AD385	355/P	270	103	60 ÷ 62	101	60	14	41	7		22	9.6 ÷ 7.5		M10	8.6		180	730
AD475	455/N	305	120	68 ÷ 69.5	113	70	18	41.5		12.5	26	12.5 ÷ 11	65	M12	8.7	113	320	1200
AD485	455/P	306.5	120	68 ÷ 69.5	115.5	70	18	41.5	10		26	12.5 ÷ 11		M12	8.7		320	1230



Code	Description	A	B	C	D	F	G	H	I	L	M	N	O	P	Q	Z	Fh (daN)	Gr.
DS080	75/NX	118	45.5	24 ÷ 25.5	39	28	8	13.5		5.3	11	5 ÷ 3.5	20	M5	4.5	36	90	88
DS090	75/PX	118.5	45.5	24 ÷ 25.5	39.5	28	8	13.5	4		11	5 ÷ 3.5		M5	4.5		90	88
DS140	130/NX	171.5	64.5	35 ÷ 38	56.5	36	10	26		6.3	16	8.8 ÷ 5.8	32	M6	5.6	55	100	200
DS150	130/PX	172	64.5	35 ÷ 38	57	36	10	26	5		16	8.8 ÷ 5.8		M6	5.6		100	200
DS275	230/NX	196	75.5	42 ÷ 44.5	65	44	12	26		8.5	18	9 ÷ 6.5	37	M8	6.6	62	170	330
DS285	230/PX	196.5	75.5	42 ÷ 44.5	67	44	12	26	6		18	9 ÷ 6.5		M8	6.6		170	340

