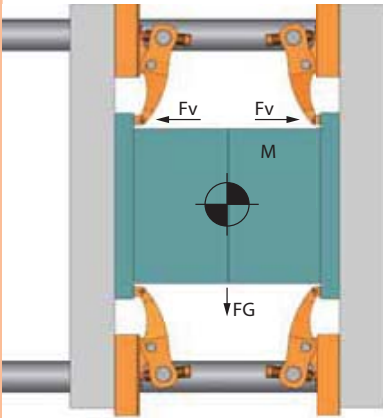


Clamping Templates



For Injection Moulds:

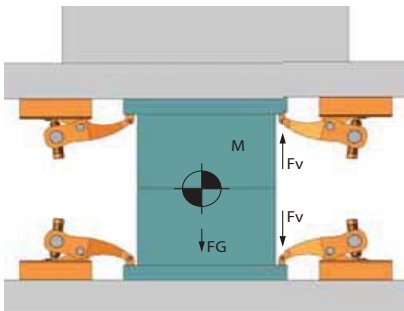
Formula Calculator

$$\frac{M \times FG}{1000} = \text{kN} \quad \frac{2500 \times 9.81}{1000} = 24.52 \text{ kN}$$

$$\frac{\text{kN}}{\mu} = \text{Result} \quad \frac{24.52}{0.14} = 175.14 \text{ kN}$$

$$\frac{\text{Result}}{Fv} = \text{Number of Clamp} \quad \frac{175.14 \text{ kN}}{25 \text{ kN}} = 7 \text{ Clamp}$$

Use 8 pcs.



For Press Dies:

Formula Calculator

$$\frac{M \times FG}{1000} = \text{kN} \quad \frac{5000 \times 9.81}{1000} = 49.050 \text{ kN}$$

$$\frac{\text{kN}}{\mu} = \text{Result} \quad \frac{49.05}{0.14} = 350.35 \text{ kN}$$

(Upper Die 60%) (Lower Die 40%) (60% Upper Die = 210.21) (40% Lower Die = 140.14)

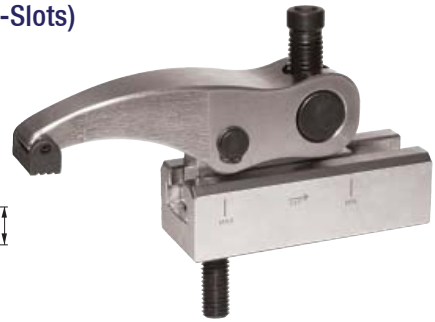
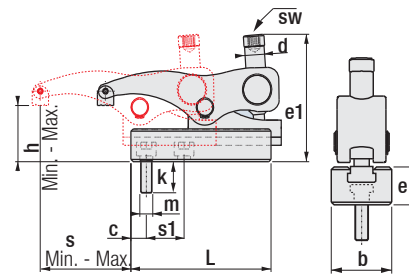
$$\frac{\text{Result (Upper Die)}}{Fv} = \text{Number of Clamp} \quad \frac{210.21 \text{ kN}}{25 \text{ kN}} = 8 \text{ Number of Clamp}$$

$$\frac{\text{Result (Lower Die)}}{Fv} = \text{Number of Clamp} \quad \frac{140.14 \text{ kN}}{25 \text{ kN}} = 5.6 \text{ Clamp}$$

Use 6 pcs.

Combined Power Sliding Clamp (Type: M / for Threaded Holes & T-Slots)

Code: 1120 / 1130 / 1150 / 1160 - M



Area of Usage:

Injection machines, presses, milling machines, drilling machines and various industrial machines.

Advantages:

"11.-M" offers a clamping force between 1600 - 5500 Kgf. Using in hole and T-Slot. Ability to be fixed in various positions by sliding on the tool table. It clamps high and low distances without support with hex-socket screw. It provides rapid and easy clamping due to its practical structure.

Code: 1120 - M / Standard Type (hole: M10-M12)

- * In the threaded holes M10 / M12 are used with the "order codes: 1120-310 / 1120-312" screws.
- * Height Clamping Gap of Part: 0 - 50 mm
- * Clamping Force: 1600 Kgf

Code: 1130 - M / Standard Type (hole: M12-M16)

- * In the threaded holes M12 / M16 are used with the "order codes: 1130-412 / 1130-416" screws.
- * Height Clamping Gap of Part: 0 - 60 mm
- * Clamping Force: 2000 Kgf

Code: 1150 - M / Heavy Duty Type (hole: M16-M18-M20)

- * In the threaded holes M16 / M18 / M20 are used with the "order codes: 1150-516 / 1150-518 / 1160-520" screws.
- * Height Clamping Gap of Part: 0 - 65 mm
- * Clamping Force: 2500 Kgf

Code: 1160 - M (hole: M20-M22-M24-M30)

- * In the threaded holes M20 / M22 / M24 / M30 are used with the "order codes: 1160-620 / 1160-622 / 1160-624 / 1160-724 / 1160-730" screws.
- * Height Clamping Gap of Part: 20 - 80 mm
- * Clamping Force: 5500 Kgf

Order Code	m	h	s	s1	e1	d	sw	L	e	b	c	k	Weight (g)
1120-010-M	M10	Min. - Max. 0 - 50	12 - 66	25	100	M14	8	104	35.5	38	13	20	1700
1120-012-M	M12												
1130-012-M	M12	Min. - Max. 0 - 60	15 - 83	30	113	M18	10	130	39	48	17.5	22	3000
1130-016-M	M16												

Heavy Duty Types

1150-116-M	M16	Min. - Max. 0 - 65	18 - 96	35	125	M20	12	140	43	55	19.5	30	26	4340
1150-118-M	M18												4360	
1150-120-M	M20												4370	
1160-220-M	M20	Min. - Max. 20 - 80	17 - 92	41.5	175	M24	12	178	55	74	24	24	34	8880
1160-222-M	M22												38	8900
1160-224-M	M24												44	8920
1160-230-M	M30												51	9110

Position and fasten carrier component on the tool table.



Push the base component into the desired position on the carrier component.



Adjust the height of the bar with the adjusting screw and clamp the workpiece.



The powerful design enables rapid and easy clamping.

