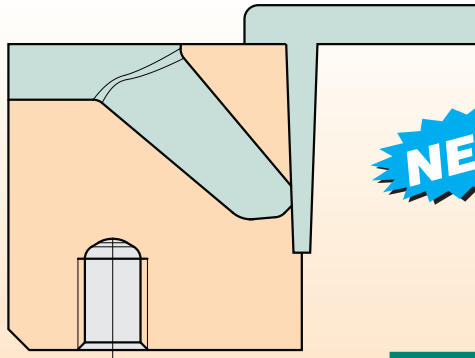




TPS Side Gating



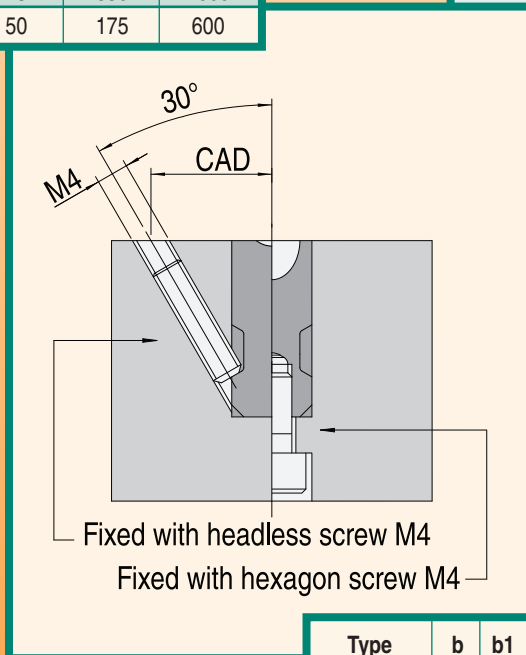
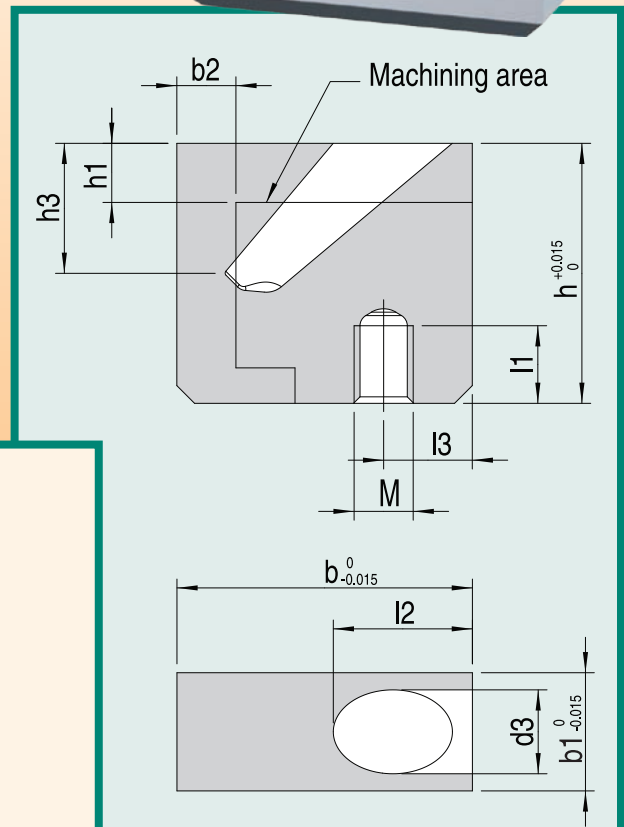
NEW



- Straight standard sub-gate for side-gating
- Integrated dead-end recess reduces loss of pressure and shear stress
- Highly wear-resistant hot working steel M2 (1.3343) – 54+2 HRC

| Gate Point | TPS-S | TPS-1 | TPS-2 | TPS-3 |
|------------------------|-----------|-----------|-----------|-----------|
| | 0,4 - 0,8 | 0,8 - 1,8 | 0,8 - 2,8 | 1,1 - 4,5 |
| maximum shotweight (g) | | | | |
| NV | 30 | 120 | 600 | 1800 |
| MV | 20 | 75 | 350 | 1000 |
| HV | 12 | 50 | 175 | 600 |

NV = low viscosity
MV = medium viscosity
HV = high viscosity



| Type | b | b1 | b2 max. | d3 | h | h1 max. | h3 | l1 | l2 | l3 | M |
|-------|----|----|---------|----|----|---------|-----|----|------|-----|---|
| TPS-S | 15 | 6 | 2.4 | 4 | 18 | 4 | ~7 | 6 | 7.1 | 5.5 | 4 |
| TPS-1 | 18 | 8 | 2.6 | 6 | 22 | 5 | ~9 | 6 | 8.4 | 6 | 4 |
| TPS-2 | 25 | 10 | 5 | 8 | 22 | 6 | ~11 | 6 | 11.8 | 7.5 | 5 |
| TPS-3 | 30 | 12 | 6.5 | 10 | 27 | 7 | ~13 | 6 | 14.1 | 8 | 5 |

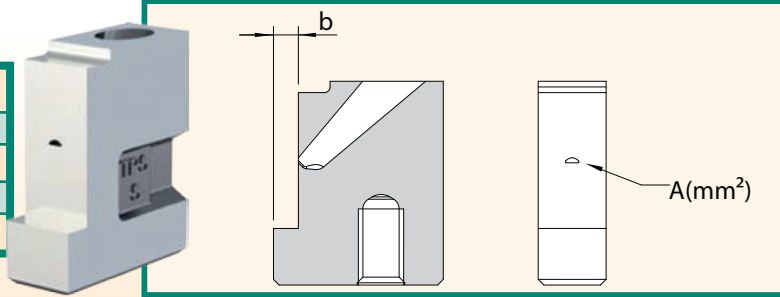
Example of order specification: TPS-1



TPS Side Gating

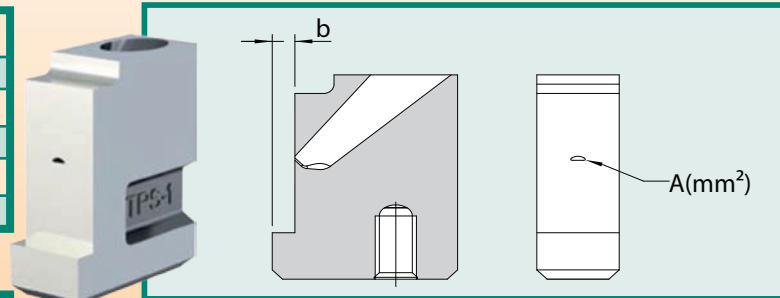
TPS-S

| A (mm ²) | ~Ø (mm) | b2 (mm) |
|----------------------|---------|---------|
| 0.12 | 0.4 | 2.1 |
| 0.40 | 0.7 | 2.2 |
| 0.75 | 1.0 | 2.3 |
| 1.13 | 1.2 | 2.4 |



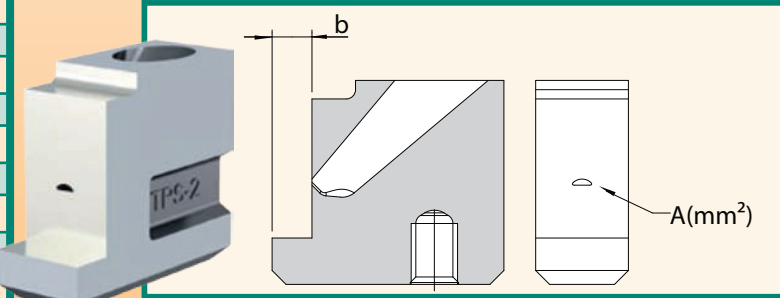
TPS-1

| A (mm ²) | ~Ø (mm) | b2 (mm) |
|----------------------|---------|---------|
| 0.49 | 0.8 | 2.2 |
| 0.92 | 1.1 | 2.3 |
| 1.42 | 1.4 | 2.4 |
| 1.97 | 1.6 | 2.5 |
| 2.56 | 1.8 | 2.6 |



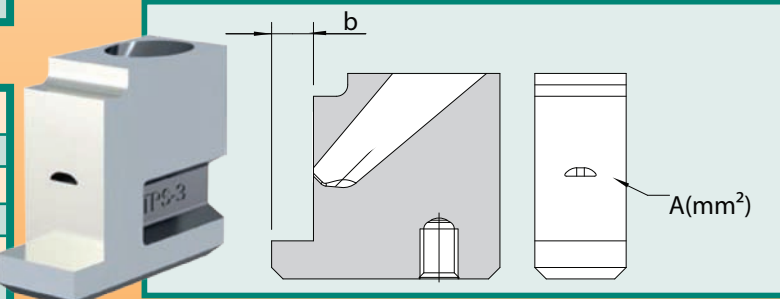
TPS-2

| A (mm ²) | ~Ø (mm) | b2 (mm) |
|----------------------|---------|---------|
| 0.54 | 0.8 | 4.2 |
| 1.05 | 1.2 | 4.3 |
| 1.64 | 1.5 | 4.4 |
| 2.30 | 1.7 | 4.5 |
| 3.00 | 1.9 | 4.6 |
| 3.76 | 2.2 | 4.7 |
| 4.55 | 2.4 | 4.8 |
| 5.37 | 2.6 | 4.9 |
| 6.23 | 2.8 | 5.0 |



TPS-3

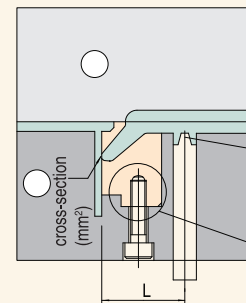
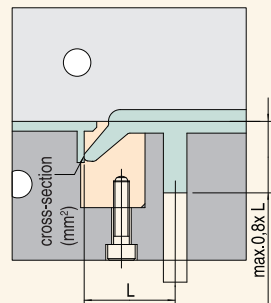
| A (mm ²) | ~Ø (mm) | b2 (mm) |
|----------------------|---------|---------|
| 1.00 | 1.1 | 5.2 |
| 1.81 | 1.5 | 5.3 |
| 2.70 | 1.9 | 5.4 |
| 3.67 | 2.2 | 5.5 |
| 4.70 | 2.4 | 5.6 |
| 5.78 | 2.7 | 5.7 |
| 6.92 | 3.0 | 5.8 |
| 8.09 | 3.2 | 5.9 |
| 9.30 | 3.4 | 6.0 |
| max. 15.8 | 4.5 | 6.5 |



INSTALLATION EXAMPLES

Standard installation for shallow and medium contour depths

Special installation for deep contours



Thermoplastic elastomers (TPE)
 • Low Shore hardness = shorter distance L
 • Use centring pin
 • Max. harness 100 Shore A

TPE < 100 Shore A

Table for Distance L

| | Material Type | |
|-------|---------------|-------|
| | Flexible | Rigid |
| TPS-S | ~18 | ~23 |
| TPS-1 | ~22 | ~30 |
| TPS-2 | ~28 | ~389 |
| TPS-3 | ~33 | ~47 |