

Conical Head Punches - Stepped DIN 9861 Form C

Code: **HKZ**

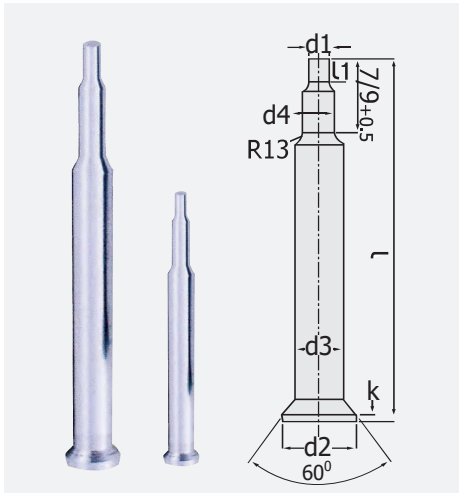
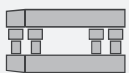
According to DIN 9861 norm, there is limitation for body and cutting diameter. In this norm, while body diameter for conical head stepped punch is max. 3 mm, cutting diameter can be max. 2.95 mm.

Material: 1.3343 (M2) Hardness: 62 - 64 HRC

| d1 | l | d3 | d2 | r | | | |
|-----|----|------|--------|-----|--------|--------|-----|
| 0.8 | 71 | 2 mm | 3 mm | 0.4 | | | |
| | 80 | | | | | | |
| 1.0 | 71 | | | | | | |
| | 80 | | | | | | |
| 1.2 | 71 | | | | 2.5 mm | 3 mm | 0.4 |
| | 80 | | | | | | |
| 1.5 | 71 | | | | | | |
| | 80 | | | | | | |
| 1.6 | 71 | | | | | | |
| | 80 | | | | | | |
| 1.8 | 71 | | | | | | |
| | 80 | | | | | | |
| 1.0 | 71 | 3 mm | 4.5 mm | 0.6 | | | |
| | 80 | | | | | | |
| 1.5 | 71 | | | | | | |
| | 80 | | | | | | |
| 1.8 | 71 | | | | | | |
| | 80 | | | | | | |
| 2.2 | 71 | | | | 4.5 mm | 4.5 mm | 0.6 |
| | 80 | | | | | | |
| 2.3 | 71 | | | | | | |
| | 80 | | | | | | |
| 2.6 | 71 | | | | | | |
| | 80 | | | | | | |
| 2.8 | 71 | | | | | | |
| | 80 | | | | | | |



Order: **HKZ.** d3 x d1 x l



Conical Head Punches - Stepped DIN 9861 Form E

Code: **H2K**

As per request, our punch production is available in the desired material and dimensions and also in shapes. It is preferred for thin work pieces and light duty works.

Material: 1.3343 (M2) Hardness: 62 - 64 HRC

| d1 | d4 | d3 | d2 | l | L1 | | |
|-----|-----|-------|--------|--------|------|------|--------|
| 1.0 | 1.4 | Ø 3.0 | 4.5 mm | 71 | 2 mm | | |
| 1.2 | 1.6 | | | | | | |
| 1.5 | 1.8 | | | | | | |
| 1.7 | 2.1 | | | | | | |
| 2.2 | 2.6 | | | | | | |
| 2.5 | 2.8 | | | | | | |
| 1.6 | 2.2 | | Ø 4.0 | 5.5 mm | | 71 | 2.5 mm |
| 1.8 | 2.3 | | | | | | |
| 2.3 | 2.8 | | | | | | |
| 2.6 | 3.0 | | | | | | |
| 3.0 | 3.5 | | | | | | |
| 3.2 | 3.7 | | | | | | |
| 2.4 | 3.0 | Ø 5.0 | 6.5 mm | 71 | 3 mm | | |
| 2.8 | 3.5 | | | | | | |
| 3.2 | 4.0 | | | | | | |
| 3.6 | 4.2 | | | | | | |
| 4.2 | 4.6 | | | | | | |
| 4.5 | 4.8 | | | | | | |
| 2.5 | 3.2 | Ø 6.0 | 8 mm | 71 | | 3 mm | |
| 3.0 | 3.8 | | | | | | |
| 3.5 | 4.2 | | | | | | |
| 4.0 | 4.8 | | | | | | |
| 4.5 | 5.3 | | | | | | |
| 5.0 | 5.5 | | | | | | |
| 5.5 | 5.8 | | | | | | |

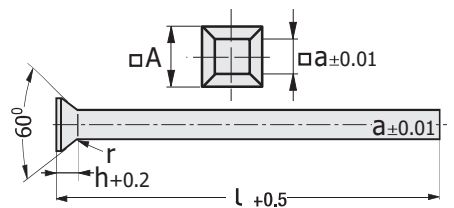


Order:
H2K. d1 x d4 x d3 x l x L1



Conical Head Punch, Slot - Shaped Slot - Form DA (Forged head)

Code: **HFK**



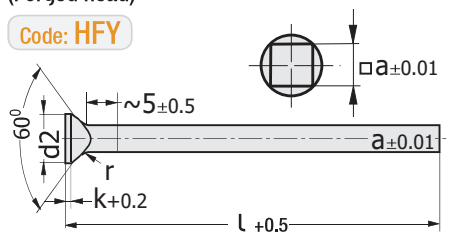
| a | l | A | h |
|------|----|------|-----|
| 1.0 | 71 | 1.8 | 1.2 |
| 2.0 | | 3.0 | 1.4 |
| 3.0 | | 4.5 | 1.8 |
| 4.0 | | 5.5 | 1.8 |
| 5.0 | | 6.5 | 1.8 |
| 6.0 | | 8.0 | 2.2 |
| a | l | A | h |
| 7.0 | 71 | 9.0 | 2.8 |
| 8.0 | | 10.0 | |
| 9.0 | | 11.0 | |
| 10.0 | | 12.0 | |
| 12.0 | | 14.0 | |



Order: **HFK.** a x l

Conical Head Punches - Shaped (Forged head)

Code: **HFY**



| a | l | d2 | k |
|------|----|------|-----|
| 1.0 | 71 | 1.8 | 0.5 |
| 2.0 | | 3.0 | |
| 3.0 | | 4.5 | |
| 4.0 | | 6.0 | |
| 5.0 | | 7.5 | |
| 6.0 | | 9.0 | |
| a | l | d2 | k |
| 7.0 | 71 | 10.5 | 1.0 |
| 8.0 | | 12.0 | |
| 9.0 | | 13.5 | |
| 10.0 | | 15.0 | |
| 12.0 | | 18.0 | |

Excluding product types in tables, our production such as headless and different slot types, also punches as per request are available.



Order: **HFY.** a x l