

DIN counterbore for through holes, uncoated, Counterbore Ø D1 \times pin Ø D2: 20X13,5mm



Order data

| Order number | 156020 20X13,5 | | |
|--------------|----------------|--|--|
| GTIN | 4045197087805 | | |
| Item class | 11M | | |

Description

Version:

Spiral fluted counterbore. The pilot \emptyset matches the intended purpose:

f – for through holes **fine** quality to DIN ISO 273.

m for through holes medium quality to DIN ISO 273.

Application:

For counterboring socket head screws DIN 912, 6912, 7984, and cheese head screws ISO 1207 (DIN 84).

Technical description

| Feed f in steel < 500 N/mm ² | 0.16 mm/rev. | | |
|--|--------------|--|--|
| Counterbore Ø | 20 mm | | |
| Pin Ø | 13,5 mm | | |
| Number of cutting edges Z | 3 | | |
| for screw size | M12 | | |
| for quality of the hole | m | | |
| Pre-drill Ø | 13.5 mm | | |
| Shank Ø D _s | 12.5 mm | | |
| Overall length L | 100 mm | | |
| Step height L ₁ 1st step with chamfer | 22 mm | | |

| Point angle | 180 degrees | | |
|-----------------|----------------------|--|--|
| Coating | uncoated | | |
| Tool material | HSS | | |
| Standard | DIN 373 | | |
| Shank | Parallel shank to h9 | | |
| Through-coolant | no | | |
| Type of product | Counterbore | | |

User data

| | Suitability | \mathbf{V}_{c} | ISO code |
|-------------------------------|-------------|------------------|----------|
| Aluminium (short chipping) | suitable | 33 m/min | N |
| Steel < 500 N/mm ² | suitable | 28 m/min | Р |
| Steel < 750 N/mm ² | suitable | 27 m/min | Р |
| wet maximum | suitable | | |