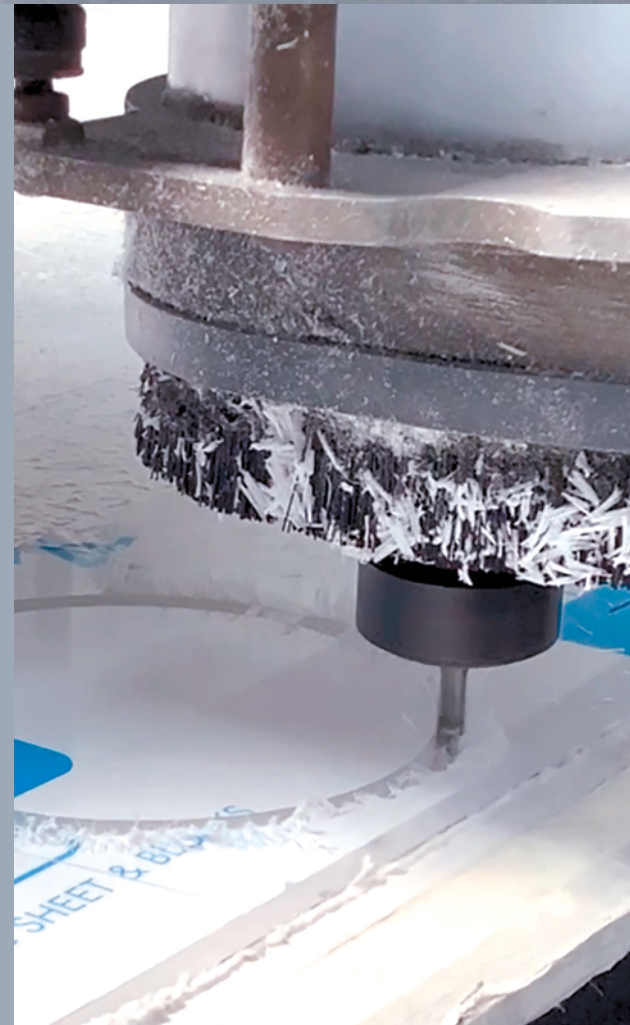


Four single flute end mills of varying diameters are shown vertically against a dark background. The largest is on the left, and they decrease in size towards the right. Each mill has a polished, metallic finish and a single flute design.

Single flute end mill DIXI 7315

**The single flute end mill
with its reinforced
geometry is the tool
you need !**

For an exceptional surface finish
in plastics machining

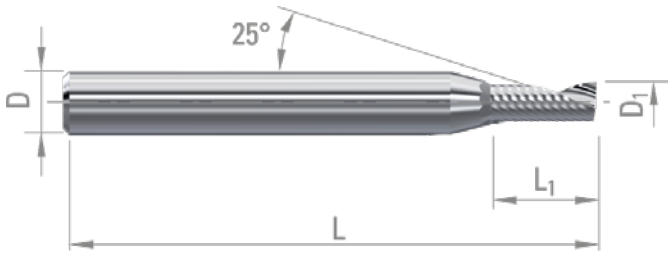


DIXI 7315

Z = 1



**SINGLE FLUTE END MILLS FOR PLASTIC
RIGHT HAND HELIX, REINFORCED**



- right hand end mills, right hand cut, with polished flute and reliefs.
- Tools with high cutting and chip removal abilities. Recommended for excellent surface finishes in plastics, woods and HPL. The right-hand helix reduces burrs and improves the workpiece stability.

Roughing ●●●●○ Finishing ●●●●○ ○ good ⊙ excellent

| ISO | P | | | | | | | | | | | | M | | | | K | | | | | | |
|-----------------|-----------------|---|---|---|---|-------------------|---|---|--------------------|-----------------------------|--|----|----|------|----------------|-------------------|---------------------|----|----|----|----|----|----|
| | Unalloyed steel | | | | | Low alloyed steel | | | High alloyed steel | Martensitic stainless steel | Austenitic stainless steel (DUPLEX/PH) | | | | grey cast iron | nodular cast iron | malleable cast iron | | | | | | |
| VDI 3323 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14.1 | 14.2 | 14.3 | 14.4 | 15 | 16 | 17 | 18 | 19 | 20 |
| Recommendations | | | | | | | | | | | | | | | | | | | | | | | |

| ISO | N | | | | | | | | | | S | | | | | H | | | | | |
|-----------------|-------------------------|----|----------------------|----|----|---------------|--------------------|--------------|----------|---------|------|-----------------------|----|----|--------------------------|----|----------------|----|----------------|----|----|
| | Wrought aluminium alloy | | Cast aluminium alloy | | | Cu + Pb alloy | Cu alloy difficult | Gold, Silver | Graphite | Plastic | Wood | Special alloy Ni / Co | | | Titanium, titanium alloy | | Hardened steel | | Hard cast iron | | |
| VDI 3323 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | - | - | 29 | 30 | 31 | 32 | 33-35 | 36 | 37 | 38 | 39 | 40 | 41 |
| Recommendations | | | | | | | | | | | ⊙ | ⊙ | | | | | | | | | |

| D _{1 e8} | L ₁ | D _{h5} | L | CARBIDE |
|-------------------|----------------|-----------------|-----|---------|
| 2 | 8 | 3 | 30 | 414392 |
| 2 | 6 | 6 | 50 | 414393 |
| 3 | 9 | 3 | 30 | 414394 |
| 3 | 9 | 6 | 50 | 414395 |
| 4 | 13 | 4 | 50 | 414396 |
| 4 | 13 | 6 | 50 | 414397 |
| 5 | 16 | 5 | 60 | 414398 |
| 5 | 16 | 6 | 50 | 414399 |
| 6 | 16 | 6 | 50 | 414400 |
| 6 | 22 | 6 | 60 | 414401 |
| 6 | 32 | 6 | 70 | 414402 |
| 8 | 12 | 8 | 60 | 414403 |
| 8 | 22 | 8 | 60 | 414404 |
| 8 | 32 | 8 | 80 | 414405 |
| 10 | 23 | 10 | 60 | 414406 |
| 10 | 32 | 10 | 75 | 414407 |
| 12 | 42 | 12 | 100 | 414408 |



Optimum finish on transparent PMMA

EXAMPLE OF APPLICATION

Machining of transparent PMMA displays

Material: Transparent PMMA

Ø tool: DIXI 7315 Ø6 mm

n = 22'000 rpm

Vf = 2'000 m/min

Lubrication: none

Machine: 3-axis cutting table



DIXI POLYTOOL S.A.
 Av. du Technicum 37
 CH - 2400 Le Locle
 T. +41 (0)32 933 54 44
 dixipoly@dixi.ch
 www.dixipolytool.com