

**Garant**
**Solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 6 mm**

**Order data**

Order number	207480 6
GTIN	4045197326805
Item class	11X

**Description**
**Version:**

**Special geometry** for machining **titanium and titanium alloys**. 4 end face edges up to the centre. Thus can be used as a **true 4-flute slot drill** at all depths of cut.

Tolerance: Radius contour =  $\pm 0.005$  mm.

**Note:**

**NEW GENERATION AVAILABLE! Recommended successor product is No. 207482.**

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 10 mm

Overall length L: 54 mm

Shank  $\varnothing D_s$ : 6 mm

Feed  $f_z$  for side milling in titanium  $> 850$  N/mm<sup>2</sup>: 0.024 mm

Feed  $f_z$  for copy milling in titanium  $> 850$  N/mm<sup>2</sup>: 0.03 mm

**Technical description**

No. of teeth Z	4
Cutting edge $\varnothing D_c$	6 mm
Feed $f_z$ for copy milling in titanium $> 850$ N/mm <sup>2</sup>	0.03 mm
Feed $f_z$ for side milling in titanium $> 850$ N/mm <sup>2</sup>	0.024 mm
Shank $\varnothing D_s$	6 mm
Overall length L	54 mm

Flute length $L_c$	10 mm
Correction factor for $v_c$	1.25
Helix angle	45 degrees
Radius R	3 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.05×D for copy milling
Cutting width $a_e$ for milling operation	0.5×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB