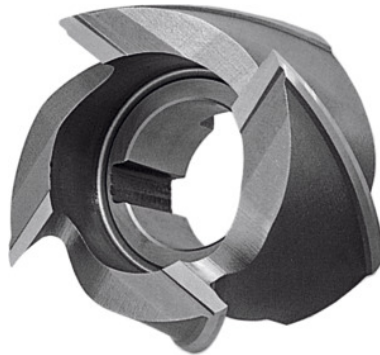


**Garant**
**Shell end mill W, uncoated,  $\varnothing$ ×width js16: 80X45 mm**

**Order data**

Order number	181700 80X45
GTIN	4045197096609
Item class	11U

**Description**
**Version:**

The end mills cut on the front face and on the circumference.

**Application:**

**Type W** = coarse tothing, 40° helix.

**Note:**

$f_z$  for  $a_e = 0.5 - 1 \times D$ .

Bore  $\varnothing$  H7: 27 mm

No. of teeth Z: 4

Feed  $f_z$  for side milling in steel < 750 N/mm<sup>2</sup>: 0.07 mm

**Technical description**

Cutting edge $\varnothing$ D <sub>c</sub>	80 mm
Bore $\varnothing$ H7	27 mm
No. of teeth Z	4
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.07 mm
Shank type	with bore

Overall height	45 mm
Coating	uncoated
Tool material	HSS Co 5
Standard	DIN 1880 T1
Type	W
Tolerance nominal $\varnothing$	js16
Shell end mill arbor	With drive keyway
Helix angle	40 degrees
Direction of infeed	horizontal and oblique
Through-coolant	no
Corner chamfer angle	90 degrees
Colour ring	without
Type of product	Cylindrical milling cutter