

**Garant**
**Roughing shell end mill HR, TiAlN, Ø×width js16: 80X45 mm**

**Order data**

Order number	182750 80X45
GTIN	4045197097286
Item class	11U

**Description**
**Version:**

**Eccentric relief ground fine knuckle-type profile.**

**Optimum cutting edge geometry.**

**Note:**

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

Bore  $\varnothing$  H7: 27 mm

No. of teeth Z: 10

Feed  $f_z$  for side milling in steel  $< 1100 \text{ N/mm}^2$ : 0.07 mm

**Technical description**

Bore $\varnothing$ H7	27 mm
Cutting edge $\varnothing D_c$	80 mm
No. of teeth Z	10
Feed $f_z$ for side milling in steel $< 1100 \text{ N/mm}^2$	0.07 mm
Shank type	with bore
Overall height	45 mm

Coating	TiAlN
Tool material	HSS Co 5
Standard	DIN 1880 T1
Milling profile	HR
Tolerance nominal $\varnothing$	js16
Shell end mill arbor	With drive keyway
Helix angle	27 degrees
Direction of infeed	horizontal and oblique
Through-coolant	no
Corner chamfer angle	90 degrees
Colour ring	without
Type of product	Cylindrical milling cutter