

**Garant**
**Roughing shell end mill HR, TiAlN, Ø×width js16: 50X36mm**

**Order data**

Order number	182750 50X36
GTIN	4045197097262
Item class	11U

**Description**
**Version:**

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

**Optimum cutting edge geometry.**

**Note:**

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

**Technical description**

No. of teeth Z	8
Bore Ø H7	22 mm
Cutting edge Ø $D_c$	50 mm
Feed $f_z$ for side milling in steel < 1100 N/mm <sup>2</sup>	0.07 mm
Shank type	with bore
Overall height	36 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

## User data

	Suitability	$V_c$	ISO code
Steel < 750 N/mm <sup>2</sup>	suitable	45 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	42 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	38 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	33 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	25 m/min	M
INOX > 900 N/mm <sup>2</sup>	Suitable	20 m/min	M
Ti > 850 N/mm <sup>2</sup>	Suitable	15 m/min	S
CuZn	suitable	60 m/min	N
Uni	suitable		
wet maximum	suitable		