

**Garant**
**Shell end mill N, uncoated,  $\varnothing$ ×width js16: 60X30mm**

**Order data**

Order number	181000 60X30
GTIN	4045197096289
Item class	11U

**Description**
**Version:**

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

**Application:**

**Type N** = standard toothing, 30° helix.

**Note:**

Sizes 30×30, 35×35, 40×20, 50×25, 60×60 can only be mounted using a bore keyway.

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

**Technical description**

Cutting edge $\varnothing D_c$	60 mm
No. of teeth Z	8
Bore $\varnothing H7$	27 mm
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.07 mm
Shank type	with bore
Overall height	30 mm
Coating	uncoated

Tool material	HSS Co 5
Standard	DIN 841
Type	N
Tolerance nominal $\varnothing$	js16
Shell end mill arbor	With drive keyway
Helix angle	30 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 < 500 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	28 m/min	P
Steel < 900 N/mm <sup>2</sup>	Suitable	25 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	20 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	18 m/min	M
CuZn	Suitable	45 m/min	N
Uni	suitable only under restricted conditions		
wet maximum	suitable		