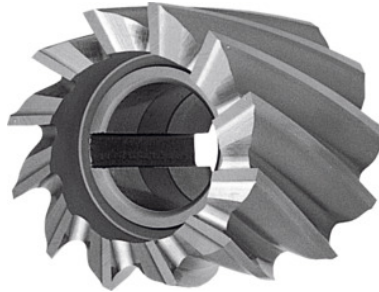


**Garant**
**Shell end mill H, uncoated, Ø×width js16: 90X35mm**

**Order data**

Order number	181100 90X35
GTIN	4045197096449
Item class	11U

**Description**
**Version:**

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

**Application:**

**Type H** = fine toothing, 20° 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 Ø $D_c$	90 mm
Bore Ø H7	27 mm
No. of teeth Z	16
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.07 mm
Shank type	with bore
Overall height	35 mm
Coating	uncoated

Tool material	HSS Co 5
Standard	DIN 841
Type	H
Tolerance nominal $\varnothing$	js16
Shell end mill arbor	With drive keyway
Helix angle	20 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	28 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	22 m/min	P
GG(G)	Suitable	20 m/min	K
CuZn	suitable	45 m/min	N
Uni	Suitable		
wet maximum	suitable		