# **Application**







Steel



Shoulder Milling



Face milling













Stainless steel

Shoulder-/ Slot Milling



Ramping









Copy Milling



Pocket milling

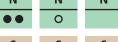








Helical milling





Superalloy

Hardened steels



Profile Milling



Plunge milling







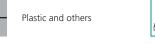


Dynamic Milling Circle Segment





0



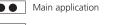


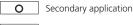
Micro Milling

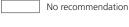
Milling











# **Product characteristics**

HSS-Co VHM



CrN



h6

Unequal pitch Cylindrical shank (without flat,

AlTiN polished



TiAIN Coating Polished flutes

Tolerance

Length

DIN / Company standard

Machining direction

240° cutting /

centre cut

Tool material



shank tolerance

HA) / shank tolerance Weldon flat (HB) /





Helix Angle /





1-3

HSC



3-8

**HPC** 



sharp cutting edge With corner radius

e8





HSC / HPC

# **Application**



M

0 M

M

Steel

Cast iron

Superalloy

Hardened steels

Stainless steel

Centre drill Shape

Drilling

NC spotting drill

0

0 0

0

Plastic and others

Main application Secondary application No recommendation

Coated

**Product characteristics** 

Tool material

Coating

Helix angle

Point angle

Countersink angle

Cutting tolerance

Non Ferros Materials

h6

h6

h5

h5



Drill for pre drilling cylinder Step drills Inclined entrance

Drill for pre drilling conical

Drilling on a convex surface

Cylindrical shank (without flat,

HA) / shank tolerance

Morse taper shank (MC) /

Weldon Whistle-Notch /

Weldon flat (HB) /

shank tolerance

shank tolerance

Offset shaft /

Reduced shank

shank tolerance

Whistle-Notch /

shank tolerance

Internal coolant

# HSS VHM

AlCrN

90°

118°

DIN

340

NORM

3xD

0

TiAIN





















































8xD











12xD











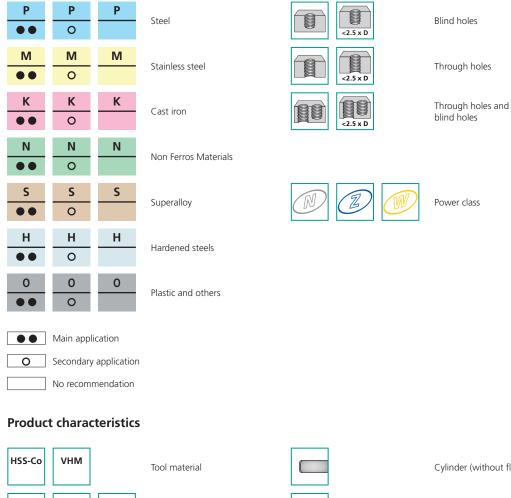


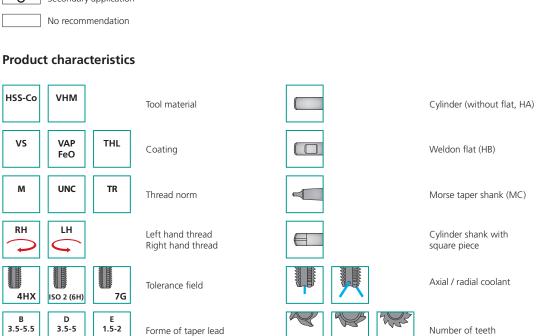




Number of teeth

# **Application**





8-10

Morse taper shank (MC)

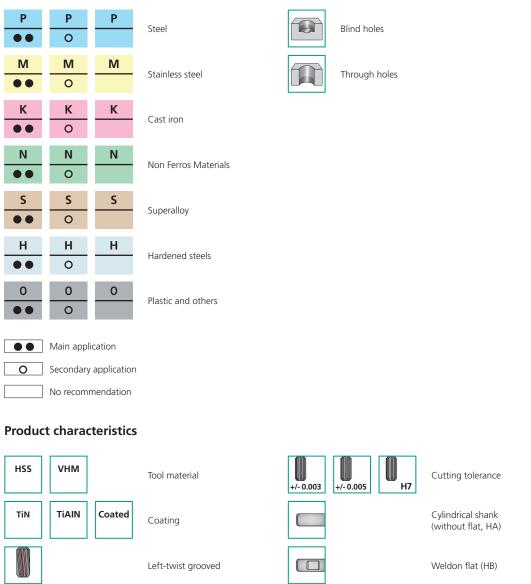
Cylinder shank with square piece

Number of teeth

Axial / radial coolant

8-10

# **Application**



1-3





1:10	1:16	1:50	Taper	

DIN	DIN	DIN	DIN
204	212	8093	



Three-surface grind

with hexagon socket

# **Application**

DIN

334C

60°

DIN

335C

90°

120°

DIN

Countersink angle

Number of teeth

