



The HSK hollow stub taper shank can be described as the successful “offspring” of the Kennametal KM system. It stems from one of the best technological families in the industry. The DIN standardized HSK tool has a simultaneous taper (1:10) and flange face contact. Its features include rigidity and positioning accuracy.



HSK shank

In comparison to steep taper tooling, higher cutting speeds/revolutions are possible with HSK tooling. Kennametal offers “balanced by design” and “balanceable” HSK tooling with patented balance rings that enable better repeatability and true running properties. This helps streamline production at a higher quality level, both in relation to modern machining centers with high spindle revolutions as well as increasing user demands.



HSK shank



KM shank

Without a doubt, HSK is an effective alternative to steep taper shank tooling. HSK enjoys a good reputation in higher speed and high precision machining applications on machining centers, multi-spindle machines, and transfer lines. It also is gaining popularity in the automotive, aerospace, and component industries.



steep taper tooling

As the complete supplier and manufacturer, Kennametal offers HSK tooling in the popular industry sizes in forms A, C and E, with toolholders for rotating operations, including drilling, chamfering, reaming, milling, threading, boring, and fine boring.

CV Shank

BT Shank

DV Shank

HSK Shank

Straight Shank

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CV Shank

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DV Shank

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Shank Flange Size

25 = 25 (.984) dia.
 32 = 32 (1.260) dia.
 40 = 40 (1.575) dia.
 50 = 50 (1.969) dia.
 63 = 63 (2.480) dia.
 80 = 80 (3.150) dia.
 100 = 100 (3.937) dia.
 125 = 125 (4.921) dia.
 160 = 160 (6.299) dia.

Toolholder Size

examples:
 TG = collet series xx (50),
 xxx (100)
 EM = ID size
 metric – xx = xx, (20)
 inch – xxx = x.xx (075)
 SM = OD size
 metric – xx = xx, (20)
 inch – xxx = x.xx (075)

Special Feature (optional)

C = coolant - standard pressure
 CH = coolant - high pressure

Tool Length

(flange face to front of tool)
 metric – xxx = xxx,
 inch – xxx = x.xx

HSK 63 A CH TG 50 100 M

Shank Style

DIN Form

Toolholder Type

Identification Values

A = form A
 B = form B
 C = form C
 D = form D
 E = form E
 F = form F

TG = Tremendous Grip Single Angle collet chuck
 ER = DIN 6499 Single Angle collet chuck
 EM = end mill adapter
 WN = Whistle Notch (2°, metric; 5°, inch)
 SM = shell mill adapter
 SC = slotting cutter adapter
 TT = Shrink Fit Thermo toolholder
 SD = Powergrip chucks (inch)
 SS = Powergrip chucks (metric)
 CS = combi shell mill adapter
 HC = hydraulic chuck – STANDARD line
 HCT = hydraulic chuck – TREND line
 HSK = HSK adapter
 KM = KM adapter
 RC = rapid change – tapping adapter chuck
 KR = Kennametal / Romicon® adapter
 BB = bar blank
 GB = gage bar
 P = spindle plug
 SW = spindle wiper

M = tool built to
 Metric values
 (blank) = tool built to
 Inch values