



Shrink-fit holder

Type: WK 19-10-8E , with clamp groove

Item no. 21960850

HF spindle for high-speed milling, grinding, drilling, engraving.

Tool taper

Tool taper [WK]	19 mm
Tool taper clamping depth [L3]	45 mm

Tool shank

Clamping diameter [D]	8 mm
for thermal shrink-fit	
Clockwise and anticlockwise	

Grade

Concentricity	< 3 μ
Balance	DIN ISO 1940 - G 2,5

Dimensions

Length [L1]	35 mm
Center of clamp groove [L2]	3,75 mm
Clamp length [L4]	7 mm
Diameter [d1]	30 mm
Outer diameter [d2]	32 mm
Clamp diameter [d3]	34,5 mm
Ball [K]	3 mm

Material

Steel