



HÄBERLE® HR 302

The deburring of tubes and solid bars after cutting is a must. But only the right system enables cost-effective, safe and perfect deburring. For deburring and chamfering of round tubes and bars of steel, stainless steel, non-ferrous metals, aluminium and plastics HÄBERLE® provides the deburring machine RASATOP.

- for diameters up to \varnothing 115 mm
- compact deburring machine with 2 spindles for the deburring of inner and outer edges
- low speeds allow the material feed by hand
- different speeds for working on small and large diameters
- Adjustable countersink tool



KOPAL Einmesser Senkwerkzeuge (Fasenfräser)

Senkbereich (mm)	Spitzenwinkel 90°	Spitzenwinkel 60°
Außen 2 - 16 Innen 2- 16	Modell 2.18-EXT. 90° Modell 2.18-INT. 90°	Modell 2.18-EXT. 60° Modell 2.18-INT. 60°
Außen 5 - 36 Innen 5- 42	Modell 2.36-EXT. 90° Modell 2.42-INT. 90°	Modell 2.36-EXT. 60° Modell 2.42-INT. 60°
Außen 9 - 45	Modell 10.46-EXT 90°	Modell 10.46-EXT 60°
Außen 21 - 57 Innen 21 - 57	Modell 20.60-EXT 90° Modell 20.60-INT. 90°	Modell 20.60-EXT 60° Modell 20.60-INT. 60°
Außen 40 - 75 Innen 40 - 75	Modell 40.80-EXT. 90° Modell 40.80-INT. 90°	Modell 40.80-EXT. 60° Modell 40.80-INT. 60°
Außen 60 - 95 Innen 60 - 95	Modell 60.100-EXT. 90° Modell 60.100-INT. 90°	
Außen 80 - 115 Innen 80 - 115	Modell 80.120-EXT. 90° Modell 80.120-INT. 90°	

Maschine data for HR-machines

Drive:

Worm gear, 1, 2 or 4 hydrostatic balances with Mk3 receiver. Additional transfer case with toothed belt (besides HR 301). Especially suitable for KOPAL single knife countersinking tools (chamfering milling cutter). Protection tube lockable.

Spindle rotational speed:

50/100 rpm (HR 301), 100/200 and/or 70/140 rpm (HR 302 and HR 304).

Elektric:

Three-phase motor 400V, 1.400/2.800 rpm, 0,9/1,3 kW, current input 2,5/2,8A

Safety devices:

Main switch motor contactor and emergency stop pushbutton

Dimensions and weight:

320 x 575 x 490 mm; approx. 54 kg

Product information

HR 302:

Standard: 2 hydrostatic balances, spindle rotational speed: 100/200 rpm, 2 protective tubes Ø 100 mm, for KOPAL single knife countersinking tools (chamfering milling cutter) up to model 40.80

Options:

HR 302-70: spindle rotational speed: 70/140 rpm, 2 protective tubes Ø 100 mm, for KOPAL single knife countersinking tools (chamfering milling cutter) model 80.120, spindle rotational speed: 70/140 rpm, 2 protective tubes Ø 140 mm.

HR 301:

Standard: 1 hydrostatic balance, spindle rotational speed: 50/100 rpm, protective tube Ø 100 mm, for KOPAL single knife countersinking tools (chamfering milling cutter) from model 40.80 and a diameter to be processed of min. 70 mm

Options:

HR 302-1: 1 hydrostatic balance, spindle rotational speed 100/200 rpm, protective tube Ø 100 mm for KOPAL single knife countersinking tools (chamfering milling cutter) up to model 40.80

Accessories:

KOPAL single knife countersinking tools (chamfering milling cutter), spare blade, table frame, protective tubes Ø 120 mm (for KOPAL countersinking model 60.100) and 140 mm (for KOPAL countersinking model 80.120), if not included in the basic equipment of the machine.