

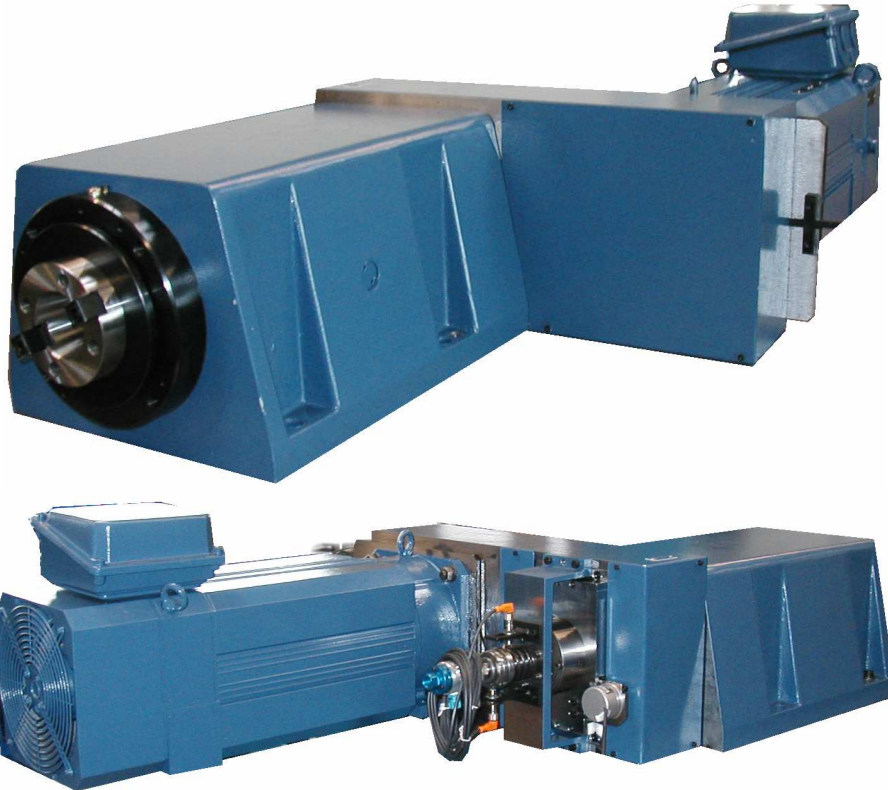


**HAGEN & GOEBEL**

Werkzeugmaschinen GmbH

Unit - Sample HG – 833

## Heavy duty spindle unit type BF6 for milling and grinding in portal milling machine



### Spindle unit type BF 6

Motor:	NC-spindle motor in this case manufacture Indramat, $n_{Nenn} = 1000 \text{ U}/\text{min}$ , $P_{Nenn} = 28 \text{ KW}$
Spindle bearing:	High precision spindle bearing set, front diameter 130 mm Roller bearing rear
Protection:	Labyrinth collar with air protection system
Spindle nose:	SK 50 in connection with hydraulic unclamp cylinder (clamping will be realised by disc springs), fixture for positioncoder (tool change position), coolant through spindle Switch for position check tool clamped and tool unclamped
Motor fixture:	at this unit Z fixture, 90 degrees moved to side
Transmission:	exchangeable teeth pulleys Heavy duty teeth belt type „Synchroflex Gen III“ Ratio $i = 2,6 : 1$ into slower speed (other ratio possible) Spindle speed $n =$ at about 384 rpm at rated speed of spindle motor
Mounting pos.:	horizontal or vertical, spindle nose to floor

other specifications possible

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