Machine Name : Horizontal machining center

Brand : Huller Hille

Machine Model : NBH 290R

Stock No. : 87285

Ex-factory Date : 2005



Main Technical Parameters:

WorkWorktable size: 800*1000mm

Spindle speed: 10,000 RPM

three-axis travel: 1460*1000*1200mm

indexing resolution of 0.001deg on the B-axis

spindle: HSK100

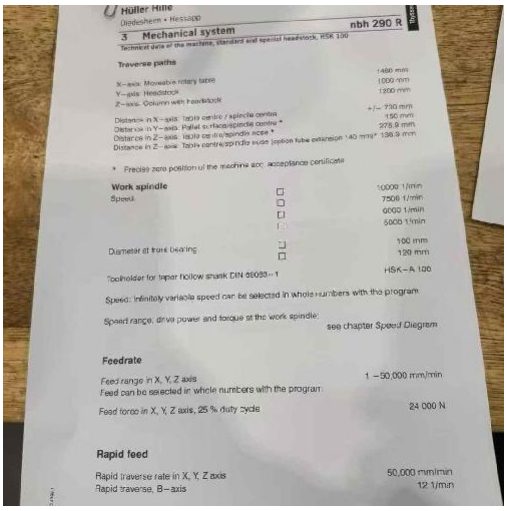
Water outlet with center





PamtonSchnell





Hüller Hille
Bielefeld • Hessapp

3 Mechanical system **nbh 290 R**

Technical data of the machine, standard and special headstock, HSK 100

Traverse paths

X–axis: Moveable rotary table	1400 mm
Y–axis: Headstock	1000 mm
Z–axis: Column with headstock	1200 mm
Distance in X–axis: Table centre / spindle centre	+/– 700 mm
Distance in Y–axis: Pallet surface/spindle centre *	150 mm
Distance in Z–axis: Table centre/spindle nose (optics tube extension 140 mm)*	275.9 mm
	138.9 mm

* Precise zero position of the machine acc. acceptance certificate

Work spindle

Speed:	10000 1/min
	7500 1/min
	6000 1/min
	5000 1/min
Diameter at front bearing:	160 mm
	120 mm
Toolholder for taper hollow shank DIN 69893–1	HSK–A 100

Speed: Infinitely variable speed can be selected in whole numbers with the program

Speed range, drive power and torque at the work spindle: see chapter *Speed Diagram*

Feedrate

Feed range in X, Y, Z axis	1 – 50,000 mm/min
Feed can be selected in whole numbers with the program:	
Feed force in X, Y, Z axis, 25 % duty cycle	24 000 N

Rapid feed

Rapid traverse rate in X, Y, Z axis	50,000 mm/min
Rapid traverse, B–axis	12 1/min