

# USED FLOOR TYPE HORIZONTAL BORING MACHINE SKODA W 160 HA NC



Skoda W 160 HA NC after Modernization

## MACHINE SPECIFICATION

- Siemens Sinumerik 840 CE Control System
- Spindle Diameter 160 mm, Spindle Taper ISO 50
- Hydrostatic CNC Table IOS 40 NC with Heidenhain Rotary Scale
- Heidenhain Scales on X, Y and V Axes
- Axes as per Technical Specification
- Technical Dokumentation

# TECHNICAL SPECIFICATION W 160 HA NC

<b>Control System</b>		
SIEMENS Sinumerik 840 CE		
<b>Headstock</b>		
Spindle Diameter	Φ160	mm
Spindle Taper	ISO 50	
Headstock Size	450 x 450	mm
Maximum Torque on Spindle at ISO 50 flange dia (W160 HA) ... 100mm	7 000	Nm
Increased Torque at Flange Φ 128 mm	10 000	Nm
Maximum Torque on Milling Spindle	25 000	Nm
Main Motor Power	52	kW
<b>Rotary Table</b>		
Skoda IOS 40 NC with Heidenhain Rotary Scale		
Table Size	3 000 x 3 000	mm
Locking of Table	hydraulic clamping	
Load Capacity	40 000	kg
<b>Working range</b>		
Spindle Extension	1 600	mm
Ram Extension	1 250	mm
Vertical Feed of Headstock	2 750	mm
Horizontal Feed of Column (Hydrostatic)	10 500	mm
Horizontal Feed of Rotary Table	2 230	mm
<b>Speeds and Feeds</b>		
Stepless Spindle Speed Range	1 – 1 200	RPM
Spindle and Ram Speed Feeds	0,25 – 3 000	mm/min
Headstock and Column Feeds	0,5 – 8 000	mm/min
Spindle and Ram Rapid Traverse	3 000	mm/min
Headstock and Column Rapid Traverse	8 000	mm/min
<b>Sizes and Weights</b>		
Height of Bed	550	mm
Width of Bed Guide Ways	2 000	mm
Width of Column Guide Ways	1 700	mm
Weight of Machine	80 000	kg
<b>Power Demand of Machine</b>		
Top Power Input	180	kVA
Standard Electrical Cabinet with Transformer		
<b>Operator's Platform</b>		
Vertical Movement (Independent on Headstock)	1 000	mm
<b>Optional Accessories</b>		
Tool Cooling Equipment with Tank and Pump for 1250l	1	piece
Milling Head IFW1 + INW1-160/525 ISO 50	1	piece
Milling Head IFW3A + INW2-3A -160/380 ISO 50	1	piece
Chip Conveyor – 9,6m length	1	piece
Boring Attachment IV 25/160 ISO 50	1	piece
Facing and Boring Attachment IR 100/160 ISO 50	1	piece

Complete overhaul and modernization of the Boring Machine made by SKODA Machine Tool in 1999.  
Rotary table made by SKODA Machine Tool in 1999.

Condition:      Excellent condition, fully functional  
                      Spindle blocks slightly worn out  
                      Covers are moving smoothly, not seized, functional

# TECHNICAL PICTURES OF W 160 HA NC



Spindle



Column



Spindle in Use



Switchboard



Control Panel Siemens

