

CROSS-flex A160

CROSS-flex A160 can be adapted to many application fields and proves to be a very flexible machine, which finds its role in the small workshop as well as in the large industry, as the car industry.

Furthermore, by combining the advantages offered by the crossed axes with the possibility of swivelling (manually or automatically by CNC / B-axis) the wheelhead and by a complete range of accessories, a high level of working flexibility has been reached.

All this enables the operator to carry out, in just one positioning, full machining on diameters, shoulders, radii, bevels and cones.

The matching on CROSS-flex of new digital leading brand name CNC and powerful interactive software T.O.P. - Tacchella (Tacchella Operator Package - Tacchella patent) has enabled us to eliminate all time wastings in the programming stage.

CROSS-flex A160 can be connected to automatic loading devices like robots or gantry type handling systems.

CROSS-flex A160		1860	18110	18160
		RAS-M / RAS-A / RAS-B		
Nominal ratings: Distance between centres	mm	<u>1100</u>	<u>1600</u>	<u>2100</u>
Max. grinding length from tailstock side	mm	<u>600</u>	<u>1100</u>	<u>1600</u>
Height of centres	mm	180		
Max. grinding diameter	mm	300		
Max. weight between centres	Kg	150		
Total power rating, without accessories	kW	<u>23 (27)*</u>		
Weight of machine, without accessories	Kg	<u>7400</u>	<u>8400</u>	<u>9400</u>
Wheelhead unit for external grinding (hydrodynamic spindle): Wheel mounted on the right, max. diameter x thickness x bore	mm	<u>610 x 100 (150)* x 203,2</u>		
Wheel motor power	kW	<u>11 (15)*</u>		
Wheel peripheral speed	m/s	<u>50 (63)*</u>		
Wheelhead angular swivelling system		Manual / Autom. / Autom. B axis		
Max. swivelling angle allowed	degrees	<u>0° ÷ +26°34' / 0° +20° / -5° ÷ +26°34'</u>		
Wheelhead unit (crossed axes, X and Z): Max. stroke axes X / Z	mm	<u>350 / 750</u>	<u>350 / 1250</u>	<u>350 / 1750</u>
Digital axes X / Z drive motors (A.C. Brushless)	Nm-rpm	<u>7,9 - 3000</u>		
Workhead (fixed center and rotating drive plate): Internal taper attachment		<u>Morse 4</u>		
Speed range variation	rpm	<u>10 ÷ 800</u>		
Spindle torque	Nm	<u>38</u>		
Tailstock (automatic): Internal taper attachment		<u>Morse 4</u>		
Max. quill stroke	mm	<u>35</u>		

Micrometric lateral
adjustment (cylindricity
correction)

mm

$\pm 0,10$

(*) Technical variant

All weights, measurements and sizes described are not binding. We reserve the right to make all the modifications deemed necessary without previous notice.