

**BPS: Double-bit boring crossbars**

The BPS double-bit crossbars cover a working area from  $\varnothing$  200 - 2800 mm. The BPS double-bit crossbars are constructed in Aluminium and mounted on a steel double-bit plate.



**TRD: Double-bit Testarossa**

The double-bit TRD heads allow both roughing and high precision finish thanks to their rigidity and the sensitivity of the sliding mechanism which can achieve radial correction of 5 microm. This can be effected directly on the machine and easily read on the vernier scale.



**Arbors Extensions Reductions**

Arbors are manufactured in accordance with DIN 69871 A-B, MAS 403 BT, DIN 2080, ANSI-CAT, DIN 69893-A, ISO 26623-1 and are made of carburized steel, hardened and ground to AT3 tolerance. Arbor sizes MHD'80, 110 and 140 are recommended for heavy milling and for bores deeper than 250 mm and exceeding 125 mm diameter. Special arbors are available on request.



**Chucking Tools**

The complete program of D'Andrea modular adapters with MHD connecEon, which satisfies the various processing needs related to milling, drilling and tapping. Combi-toolholders Weldon (DIN 1835 B) and Whistle Notch (DIN 1835 E) with axial adjustment screw.



*testarossad'andrea*

ARBORS	PR Extensions	RD Reductions	RAV Vibration-damping reductions	TS Double-bit heads	TRD Double-bit centesimal Testarossa for roughing and finishing	TRC Centesimal Testarossa	TRC HS Balanceable high speed centesimal Testarossa	TRM Micrometric Testarossa	TRM HSB Balanceable high speed micrometric Testarossa	TR-PSC Micrometric Testarossa	BPS Large diameter double-bit cross bar for roughing and finishing $\varnothing$ 200 - 2800	CHUCKING TOOLS
DIN 69893	14 PR 14.25, 16 PR 16.25, 20 PR 20.32	RD 16/14.25, RD 20/14.20, RD 25/14.20, RD 32/14.25, RD 40/14.25, RD 50/14.25, RD 50/14.40	RAV 50/16.74	TS 16/16 $\varnothing$ 18 - 22, TS 20/20 $\varnothing$ 22 - 28	TRD 16 $\varnothing$ 18 - 24	TRC 14 $\varnothing$ 14.5 - 18		TRM 16 $\varnothing$ 18 - 23				PE Collets chucking, MHD' FORCE Ultra-tight FORCE, AW Weldon / Whistle Notch, PF Disc and facing cutter
DIN 69871	25 PR 25.25, PR 25.40	RD 25/16.20, RD 25/20.25, RD 32/16.24, RD 40/16.24, RD 50/16.24, RD 50/16.40, RD 50/16.74, RD 50/20.26, RD 50/20.70, RD 50/20.93, RD 50/25.28, RD 50/25.87, RD 50/25.117, RD 50/32.28, RD 40/25.28, RD 50/32.32, RD 50/32.87, RD 50/32.144	RAV 50/25.117, RAV 50/32.144, RAV 50/40.176	TS 25/25 $\varnothing$ 28 - 38, TS 32/32 $\varnothing$ 35.5 - 50, TS 40/40 $\varnothing$ 50 - 68	TRD 25 $\varnothing$ 28 - 36, TRD 32 $\varnothing$ 36 - 46, TRD 40 $\varnothing$ 48 - 68	TRC 20 $\varnothing$ 22 - 30, TRC 25 $\varnothing$ 28 - 40, TRC 32 $\varnothing$ 35 - 53, TRC 40 $\varnothing$ 48 - 68	TRC HS $\varnothing$ 2.5 - 18	TRM 20 $\varnothing$ 22 - 29, TRM 25 $\varnothing$ 28 - 38, TRM 32 $\varnothing$ 35.5 - 50				TR 200 $2\mu m$ , BPS 1000 - 1600 $\varnothing$ 1000 - 2800, CM Morse taper, AM Tapping, B16 Drilling chuck, NS Semifinished, TP Toolholders, PC 16CA, TU Toolholders, AS..45 Chamfering tools, ACR/NC Coolant chucking, ACR Coolant chucking, SPECIAL
MAS403BT	40 PR 40.40, PR 40.63	RD 40/32.32, RD 50/40.36, RD 50/40.87, RD 50/40.176	RAV 50/40.176	TS 50/50 $\varnothing$ 68 - 90, TS 50/63 $\varnothing$ 90 - 120	TRD 50 $\varnothing$ 60 - 75	TRC 50 $\varnothing$ 2.5 - 110, TRC 50 HS $\varnothing$ 2.5 - 22		TRM 50 $\varnothing$ 2.5 - 108, TRM 50/63 $\varnothing$ 6 - 125, TRM 50/80 $\varnothing$ 6 - 160, TRM 50 HSB $\varnothing$ 2.5 - 22				TR50-PSC40, TR50-PSC50, TR50-PSC63 $\varnothing$ 2.5 - 108, TR63-PSC63 $\varnothing$ 6 - 125, TR80-PSC80 $\varnothing$ 6 - 160
ANSI/CAT	50 PR 50.50, PR 50.80, PR 50.100	RD 63/50.40, RD 80/50.45	RAV 63/50.220	TS 63/63 $\varnothing$ 90 - 120	TRD 63 $\varnothing$ 75 - 95	TRC 63 $\varnothing$ 72 - 125		TRM 63/63 $\varnothing$ 6 - 125				
DIN 2080	80 PR 80.80, PR 80.125, PR 80.160	RD 110/80.70, RD 140/80.70		TS 80/80 $\varnothing$ 120 - 200	TRD 80 $\varnothing$ 95 - 120	TRC 80 $\varnothing$ 88 - 200		TRM 80/80 $\varnothing$ 6 - 160, TRM 80/125 $\varnothing$ 36 - 500				
PSC	110 PR 110.140, PR 110.200											
KM	140 PR 140.140, PR 140.250											
DIN 228/A 2207												
DIN 228/B 1806												
DIN 2079												

**BLC**  
Balancing rings  
63 50 40 32

**40%** D'ANDREA MODULAR PROMOTION • 40% DISCOUNT • VALID 01-09-2016 UNIL 3-1-2-2016 • 40% DISCOUNT

**Carbide bars**

Carbide bars for deep-hole machining. D'Andrea solves the deep-hole boring machining by means of a wide program of BMD carbide bars having diameter 16, 20, 25, 32 mm diameter and ending with MHD' arbor.



**Double-bit heads**

The BLC balancing ring, only by setting the two incorporated graduated counterweights, allows to balance, in an accurate and economical way, the toolholder on which it is mounted. The use of the BLC ring provides the following advantages: improved accuracy and surface finish; considerable extension of tool life; considerable extension of spindle bearings life; drastic reduction of vibrations and noise level in the machining centre.



**Testarossa and Modulhard'Andrea**

High precision modular toolholders for machine tools and machining centers that allow boring, milling, drilling, and tapping operations to be carried out with extreme flexibility and rigidity.



**Kit Testarossa**

The Testarossa kits are supplied in a box with a wide range of toolholders, tools, inserts and service spanners.



**D'ANDREA MODULAR Toolholder System**