



*your*  
**TOOLS FOR INDUSTRY**

## CA-SERIES ANGLE HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
CA-0	BT/CAT-30/40	1:1	5,000	ER-25
CA-0	HSK-63	1:1	5,000	ER-25
CA-0C	BT/CAT-30/40	1:1	4,000	ER-11
CA-0C	HSK-63	1:1	4,000	ER-11
CA-0E	BT/CAT-40/50	1:1	4,000	ER-16
CA-0E	HSK-63	1:1	4,000	ER-16
CA-1	BT/CAT-40/50	1:1	3,000	ER-25
CA-1	HSK-63	1:1	3,000	ER-25
CA-2	BT/CAT-50	1:1	2,500	ER-40-ISO 30
CA-2	HSK-100	1:1	2,500	ER-40-ISO 30
CA-3	BT/CAT-50	1:1	2,000	ER-50-ISO 40
CA-3	HSK-100	1:1	2,000	ER-50-ISO 40



## CAR-SERIES ANGLE HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
CAR-0	BT/CAT-30/40	1:1	8,000	ER-16
CAR-0	HSK-63	1:1	8,000	ER-16
CAR-1	BT/CAT-40/50	1:1	4,000	ER-25
CAR-1	HSK-63/100	1:1	5,000	ER-25
CAR-1L	BT/CAT-40/50	1:1	10,000	ER-25
CAR-1L	HSK-63/100	1:1	10,000	ER-25
CAR-2	BT/CAT-50	1:1	4,000	ER-32
CAR-2	HSK-100	1:1	4,000	ER-32
CAR-0X3	BT/CAT-40/50	1:3	12,000	ER-16
CAR-2X3	BT/CAT-50	1:3	9,000	ER-32
CAR-3	BT/CAT-50	1:1	3,500	ER-40
CAR-3	HSK-100	1:1	3,500	ER-40
CAR-4	FLANGE	1:1	3,000	ISO40/HSK



## CAF-SERIES ANGLE HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
CAF-0	BT/CAT-30/40	1:1	8,000	ER-16
CAF-0	HSK-63	1:1	8,000	ER-16
CAF-1	BT/CAT-40/50	1:1	4,000	ER-25
CAF-1	HSK-63/100	1:1	5,000	ER-25
CAF-1L	BT/CAT-40/50	1:1	10,000	ER-25
CAF-1L	HSK-63/100	1:1	10,000	ER-25
CAF-2	BT/CAT-50	1:1	4,000	ER-32
CAF-2	HSK-100	1:1	4,000	ER-32
CAF-3	BT/CAT-50	1:1	3,500	ER-40
CAF-3	HSK-100	1:1	3,500	ER-40



## CAD-SERIES ANGLE HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
CAD-0	BT/CAT-30/40	1:1	5,000	ER-25/ER-25
CAD-0	HSK-63	1:1	5,000	ER-25/ER-25
CAD-1	BT/CAT-40/50	1:1	3,000	ER-25/ER-25
CAD-1	HSK-63	1:1	3,000	ER-25/ER-25
CAD-2	BT/CAT-50	1:1	2,500	ER-40/ER-40
CAD-2	HSK-100	1:1	2,500	ER-40/ER-40
CAD-3	BT/CAT-50	1:1	2,000	ER-50/ ER-50
CAD-3	HSK-100	1:1	2,000	ER-50/ ER-50



## CAP-SERIES ANGLE HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
CAP-0	BT/CAT-40	1:1	3,000	SPECIAL
CAP-0	HSK-63	1:1	3,000	SPECIAL
CAP-1	BT/CAT-40	1:1	3,000	SPECIAL
CAP-1	HSK-63	1:1	3,000	SPECIAL
CAP-2	BT/CAT-40/50	1:1	3,000	ER-11
CAP-2	HSK-63/100	1:1	3,000	ER-11
CAP-3	BT/CAT-50	1:1	4,000	ER-25
CAP-3	HSK-100	1:1	4,000	ER-25



## MV-SERIES SPEEDER HEADS

MODEL	TAPER	RATIO	RPM MAX	COLLET
MV-8 (C)	BT/CAT-40	1:5	20,000 (30,000)	ER-16
MV-8 (C)	HSK-63	1:5	20,000 (30,000)	ER-16
MV-8 (C)	R-8	1:5	20,000 (30,000)	ER-16
MV-7 (C)	BT/CAT-40/50	1:7	15,000 (25,000)	ER-20
MV-7 (C)	HSK-63/100	1:7	15,000 (25,000)	ER-20
MV-6 (C)	BT/CAT-40/50	1:6	10,000 (15,000)	ER-25
MV-6 (C)	HSK-63/100	1:6	10,000 (15,000)	ER-25
MV-5	BT/CAT-50	1:6	8,000	ER-32
MV-5	HSK-100	1:6	8,000	ER-32
MV-4N	BT/CAT-50	1:3.5	8,000	ER-40/50
MV-3N	BT/CAT-50	1:4	5,000	ER-50
MV-2	BT/CAT-60	1:4	5,000	ISO-50



Please call for details or special design requirements

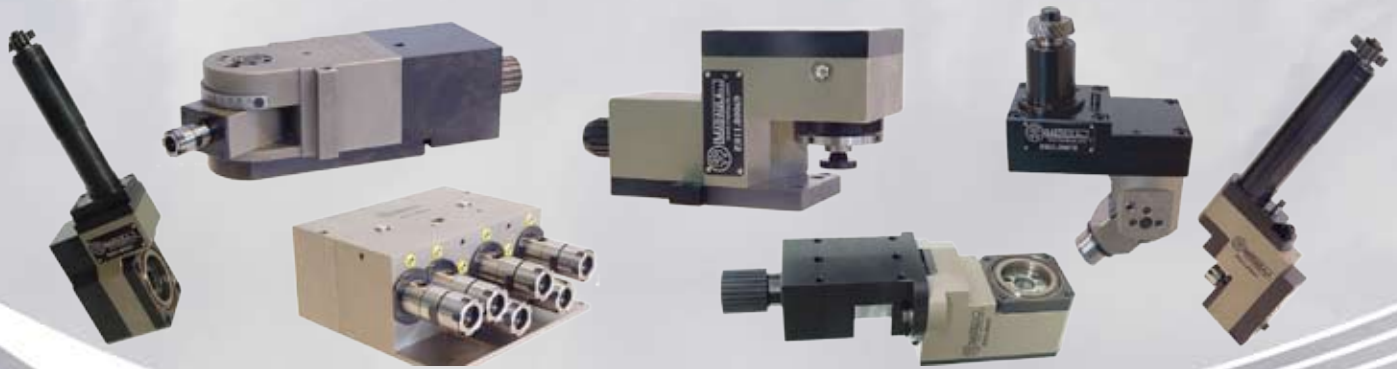
## LIVE TOOLING—CONVENTIONAL LATHES

Madaula S.A. has long been a pioneer and leader in the design and development of live tools for conventional CNC Lathes with Mill/Drill function. Standard designs include AXIAL, RADIAL, SAW CUTTING, ADJUSTABLE ANGLE, FIXED ANGLE, MULTISPINDLE, INTERNAL COOLANT, SPEED INCREASING, TORQUE INCREASING, GEAR HOBBING, KEY CUTTING and more.



## LIVE TOOLING—CNC SWISS LATHES

Madaula S.A. is an industry leader in the manufacture of aftermarket driven tooling for CNC Swiss Automatic Lathes. Products ranging from standard tooling to more sophisticated designs for Speed Increasing, Gear Hobbing, Adjustable and Fixed Angle Tools, Thread Whirling and more.



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