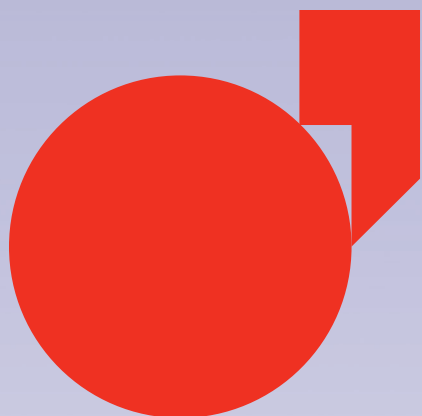


D'ANDREA® Modular Tooling System for Rough Boring, Finish Boring, Drilling, Milling, & Tapping



**D'ANDREA® your first choice for
Rough & Finish boring applications
from .250" to 110.0"**

Promo Pricing!

D'ANDREA®

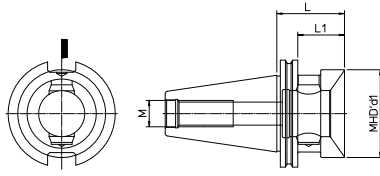
TECHNOLOGY FOR HIGH PRECISION

Expires
September 30th, 2020



***Modularity
and high precision***

Arbours for D'Andrea MHD Modular Tooling

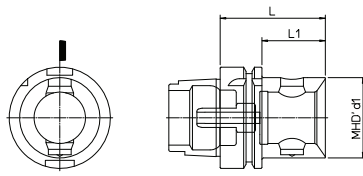


CAT V-Flange

ISO	Designation	MHD' d1	L	L1	SPECIAL
40	CV40-M50	M50	2.59	1.89	\$186 ⁹⁵
	CV40-M50L		4.72	3.98	\$227 ⁹⁵
	CV40-M63	M63	3.94	--	\$217 ⁹⁵
50	CV50-M50	M50	1.89	1.14	\$248 ⁹⁵
	CV50-M50L		4.72	3.98	\$309 ⁹⁵
	CV50-M63	M63	2.20	1.16	\$248 ⁹⁵
	CV50-M63L		5.90	5.16	\$309 ⁹⁵
	CV50-M80	M80	2.44	1.69	\$289 ⁹⁵
	CV50-M80L		7.09	6.34	\$399 ⁹⁵

CAT V-Flange Face Contact

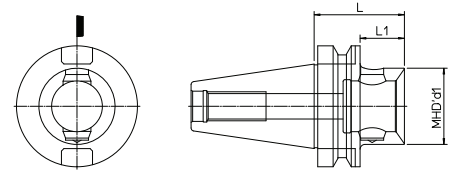
ISO	Designation	MHD' d1	L	L1	SPECIAL
40	CV40FC-M50-2.60	M50	2.60	1.85	\$258 ⁹⁵
	CV40FC-M50-4.72		4.72	3.98	\$309 ⁹⁵
	CV40FC-M63-3.93	M63	3.93	--	\$289 ⁹⁵
50	CV50FC-M50-1.89	M50	1.89	1.14	\$331 ⁹⁵
	CV50FC-M50-4.72		4.72	3.98	\$399 ⁹⁵
	CV50FC-M63-2.20	M63	2.20	1.46	\$351 ⁹⁵
	CV50FC-M63-5.91		5.91	5.16	\$434 ⁹⁵
	CV50FC-M80-2.44	M80	2.44	1.69	\$372 ⁹⁵
	CV50FC-M80-7.09		7.09	6.34	\$465 ⁹⁵



HSK "A" Form

HSK-A	Designation	MHD' d1	L	L1	SPECIAL
40	HSK-A40-M32	M32	1.89	1.10	\$309 ⁹⁵
50	HSK-A50-M50	M50	2.60	--	\$269 ⁹⁵
63	HSK-A63-M40	M40	2.36	1.34	\$269 ⁹⁵
	HSK-A63-M40L		4.72	3.70	\$331 ⁹⁵
	HSK-A63-M50	M50	2.60	1.57	\$269 ⁹⁵
	HSK-A63-M50L		4.72	3.70	\$331 ⁹⁵
	HSK-A63-M63	M63	2.95	--	\$299 ⁹⁵
80	HSK-A80-M50	M50	2.76	1.73	\$299 ⁹⁵
	HSK-A80-M63	M63	3.15	2.13	\$309 ⁹⁵
	HSK-A80-M80	M80	3.39	--	\$341 ⁹⁵
100	HSK-A100-M50	M50	2.83	1.69	\$309 ⁹⁵
	HSK-A100-M50L		4.72	3.58	\$414 ⁹⁵
	HSK-A100-M63	M63	3.23	2.09	\$341 ⁹⁵
	HSK-A100-M63L		5.91	4.76	\$434 ⁹⁵
	HSK-A100-M80	M80	3.46	2.32	\$372 ⁹⁵
	HSK-A100-M80L		7.09	5.94	\$476 ⁹⁵

Supplied with coolant tube

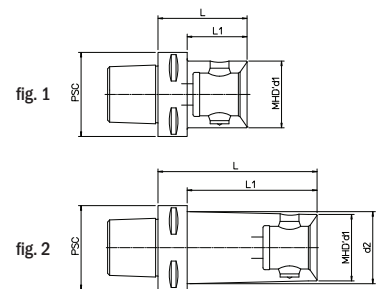


MAS 403-BT

BT	Designation	MHD' d1	L	L1	SPECIAL
30	BT30-M32	M32	1.26	0.42	\$186 ⁹⁵
	BT30-M50	M50	2.36	--	\$186 ⁹⁵
35	BT35-M50	M50	2.36	1.42	\$289 ⁹⁵
40	BT40-M40	M40	1.77	0.71	\$186 ⁹⁵
	BT40-M50-48	M50	1.89	0.83	\$186 ⁹⁵
	BT40B-M50		1.89	0.83	\$207 ⁹⁵
	BT40-M63	M63	2.60	--	\$217 ⁹⁵
	BT50-M50	M50	2.60	1.10	\$248 ⁹⁵
50	BT50-M63	M63	1.97	0.47	\$248 ⁹⁵
	BT50-M63L		2.95	1.46	\$269 ⁹⁵
	BT50-M80	M80	1.97	0.47	\$309 ⁹⁵
	BT50-M80L		2.95	1.46	\$319 ⁹⁵

MAS 403-BT Face Contact

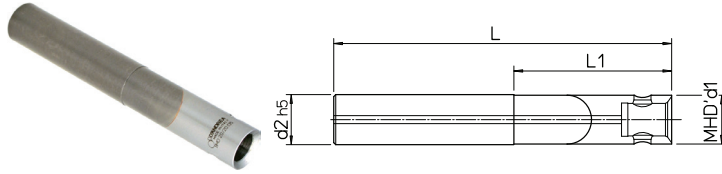
BT	Designation	MHD' d1	L	L1	SPECIAL
40	BT40FC-M50-1.89	M50	1.89	0.83	\$258 ⁹⁵
	BT40FC-M50-4.72		4.72	3.66	\$309 ⁹⁵
	BT40FC-M63-2.60	M63	2.60	-	\$289 ⁹⁵
50	BT50FC-M50-2.60	M50	2.60	1.10	\$331 ⁹⁵
	BT50FC-M50-4.72		4.72	3.23	\$399 ⁹⁵
	BT50FC-M50-7.87		7.87	6.38	\$517 ⁹⁵
	BT50FC-M63-2.95	M63	2.95	1.46	\$351 ⁹⁵
	BT50FC-M63-5.91		5.91	4.41	\$434 ⁹⁵
	BT50FC-M63-9.84		9.84	8.35	\$559 ⁹⁵
	BT50FC-M80-2.95	M80	2.95	1.46	\$372 ⁹⁵
	BT50FC-M80-7.09		7.09	5.59	\$465 ⁹⁵
	BT50FC-M80-11.81		11.81	10.31	\$619 ⁹⁵



PSC Arbors

PSC Taper	Designation	MHD d1	d2	L	L1	Kg	Fig #	SPECIAL
PSC 40	PSC40-M32-1.65	M32	--	1.65	0.87	0.3	1	\$248 ⁹⁵
	PSC40-M40-1.77	M40	--	1.77	--	0.4		\$248 ⁹⁵
PSC 50	PSC50-M50-2.17	M50	--	2.17	--	0.8	1	\$258 ⁹⁵
PSC 63	PSC63-M40-1.97	M40	--	1.97	1.10	0.9	1	\$269 ⁹⁵
	PSC63-M40-4.72		1.73	4.72	3.86	1.5	2	\$341 ⁹⁵
	PSC63-M50-2.17	M50	--	2.17	1.30	0.8	1	\$269 ⁹⁵
	PSC63-M50-2.64		--	2.64	1.77	1.1		\$269 ⁹⁵
	PSC63-M50-4.72		2.13	4.72	3.86	1.9	2	\$341 ⁹⁵
	PSC63-M63-3.03	M63	--	3.03	--	1.8	1	\$289 ⁹⁵
PSC 80	PSC80-M50-2.36	M50	--	2.36	1.18	2.0	1	\$289 ⁹⁵
	PSC80-M50-4.72		2.13	4.72	3.54	2.8	2	\$362 ⁹⁵
	PSC80-M63-2.76	M63	--	2.76	1.57	2.3	1	\$309 ⁹⁵
	PSC80-M63-5.91		2.64	5.91	4.72	4.0	2	\$392 ⁹⁵
	PSC80-M80-2.95	M80	--	2.95	--	2.6	1	\$331 ⁹⁵
	PSC80-M80-4.72		--	4.72	--	4.3		\$413 ⁹⁵
PSC 100	PSC100-M80-3.15	M80	--	3.15	1.73	3.5	1	\$362 ⁹⁵
	PSC100-M110-4.72	M110	--	4.72	3.31	5.0	1	\$628 ⁹⁵

Arbours for D'Andrea MHD Modular Tooling



Carbide Shank MHD Straight Shank Holders

Designation	MHD d1	d2	L	L1	kg	SPECIAL
BMD-0.625/16.110	M16	.625	4.33	1.97	.30	\$476 ⁹⁵
BMD-0.625/16.140			5.51	2.48	.40	\$579 ⁹⁵
BMD-0.625/16.170			6.69	3.15	.50	\$683 ⁹⁵
BMD-0.750/20.135	M20	.750	5.31	2.48	.60	\$652 ⁹⁵
BMD-0.750/20.170			6.69	3.15	.75	\$786 ⁹⁵
BMD-0.750/20.210			8.27	3.94	.90	\$931 ⁹⁵
BMD-1.000/25.160	M25	1.000	6.30	3.15	1.00	\$931 ⁹⁵
BMD-1.000/25.205			8.07	3.94	1.30	\$1,242 ⁹⁵
BMD-1.000/25.255			10.04	4.92	1.60	\$1,449 ⁹⁵
BMD-1.250-32.195	M32	1.250	7.68	3.94	2.10	\$1,499 ⁹⁵
BMD-1.250-32.250			9.84	4.92	2.80	\$1,863 ⁹⁵
BMD-1.250-32.315			12.40	6.30	3.50	\$2,328 ⁹⁵

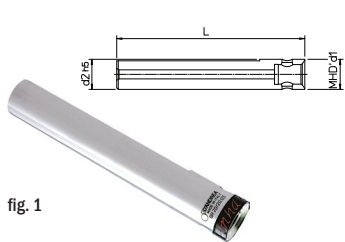


fig. 1

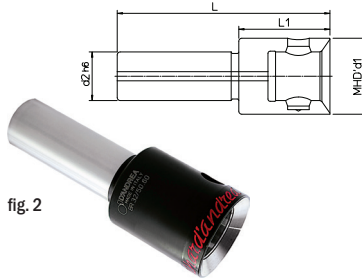
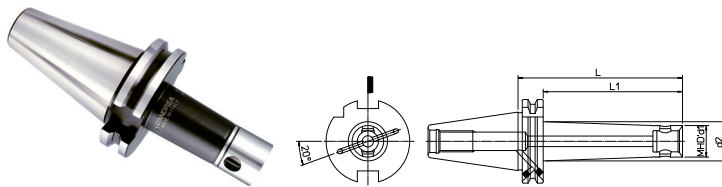


fig. 2

Straight Shank MHD Arbours

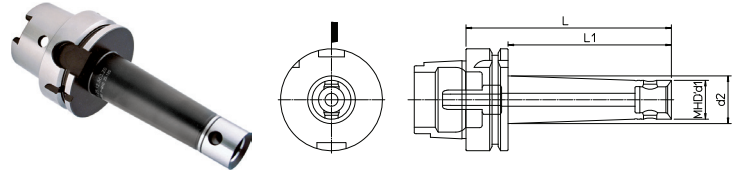
Designation	MHD d1	L	L1	d2	kg	fig.	SPECIAL
BR-0.63-M16-3.94	M16	3.94	2.60	.625	.15	1	\$103 ⁹⁵
BR-0.75-M20-4.92	M20	4.92	3.35	.750	.25		\$124 ⁹⁵
BR-1.00-M32-3.94	M32	3.94	1.39	1.000	.70	2	\$259 ⁹⁵
BR-1.25-M50-5.51	M50	5.51	2.36	1.250	1.00		\$279 ⁹⁵



MHD - DIN 69871 Taper 40 Arbours

(Can be used in CV40 tapers with Metric Retention Knob)

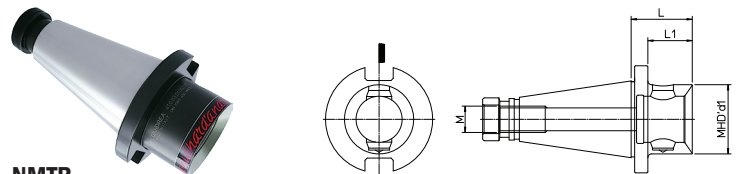
DIN	Designation	MHD	d1	d3	L	L1	SPECIAL
40	DIN40BF-M16-1.57	M16	.63	---	1.57	.83	\$161 ⁹⁵
	DIN40BF-M16-2.48			.69	2.48	1.73	\$176 ⁹⁵
	DIN40BF-M16-3.94			.79	3.94	3.19	\$186 ⁹⁵
	DIN40BF-M20-1.97	M20	.79	---	1.97	1.22	\$165 ⁹⁵
	DIN40BF-M20-3.15			.89	3.15	2.40	\$186 ⁹⁵
	DIN40BF-M20-4.92			1.00	4.92	4.17	\$196 ⁹⁵
	DIN40BF-M25-1.97	M25	.98	---	1.97	1.22	\$165 ⁹⁵
	DIN40BF-M25-3.15			1.06	3.15	2.40	\$186 ⁹⁵
	DIN40BF-M25-4.92			1.18	4.92	4.17	\$196 ⁹⁵
	DIN40BF-M32-1.97	M32	1.26	---	1.97	1.22	\$165 ⁹⁵
	DIN40BF-M32-3.15			1.32	3.15	2.40	\$186 ⁹⁵
	DIN40BF-M32-4.92			1.44	4.92	4.17	\$196 ⁹⁵



MHD - HSK-A63F Arbours

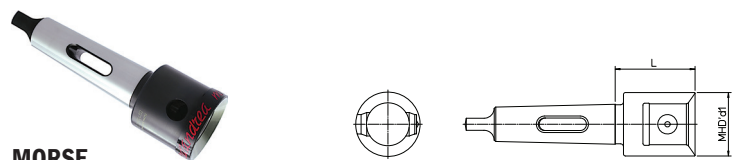
HSK-A	Designation	MHD	d1	d2	L	L1	SPECIAL
63	HSK-A63F-M16-2.48	M16	.63	.67	2.48	1.46	\$238 ⁹⁵
	HSK-A63F-M16-3.94			.77	3.94	2.91	\$258 ⁹⁵
	HSK-A63F-M20-2.48	M20	.79	---	2.48	1.46	\$227 ⁹⁵
	HSK-A63F-M20-3.54			.89	3.54	2.52	\$248 ⁹⁵
	HSK-A63F-M20-4.92			.98	4.92	3.90	\$265 ⁹⁵
	HSK-A63F-M25-2.48	M25	.98	---	2.48	1.46	\$227 ⁹⁵
	HSK-A63F-M25-3.54			1.06	3.54	2.52	\$248 ⁹⁵
	HSK-A63F-M25-4.92			1.16	4.92	3.90	\$265 ⁹⁵
	HSK-A63F-M32-3.54	M32	1.26	1.32	3.54	2.52	\$248 ⁹⁵
	HSK-A63F-M32-4.92			1.42	4.92	3.90	\$265 ⁹⁵

Supplied with coolant tube



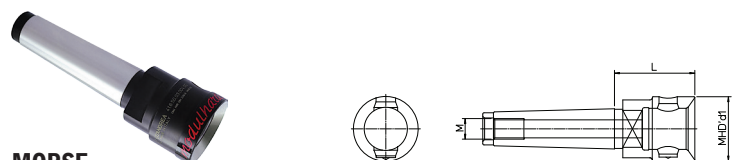
NMTB

ISO	Designation	MHD' d1	L	L1	SPECIAL
40	NMTB40-M50	M50	1.89	1.44	\$186 ⁹⁵
	NMTB40-M63	M63	2.36	--	\$227 ⁹⁵
50	NMTB50-M50	M50	1.89	1.30	\$248 ⁹⁵
	NMTB50-M63	M63	2.20	1.61	\$248 ⁹⁵
	NMTB50-M80	M80	2.36	1.77	\$299 ⁹⁵



MORSE

MORSE	Designation	MHD' d1	L	SPECIAL
4	MT4-M50	M50	2.56	\$269 ⁹⁵
5	MT5-M63	M63	2.56	\$310 ⁹⁵

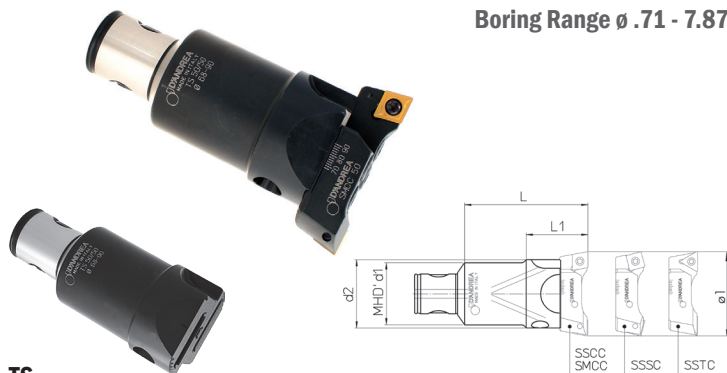


MORSE

MORSE	Designation	MHD' d1	L	M	SPECIAL
4	MT4DIN-M50	M50	2.48	M16	\$269 ⁹⁵
4 SIP	MT4SIP-M50			M14	\$269 ⁹⁵

TS Boring Heads/Cartridges for Roughing & Semi Finishing

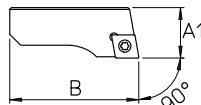
Boring Range $\varnothing$.71 - 7.87



TS

D'Andrea Double Cutter Boring Heads (Cartridges sold separately)

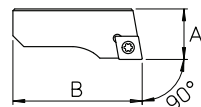
Designation	d1	$\varnothing$	d2	L	L1	SPECIAL	Cartridge
TS-16/16	M16	.71 - .87	.63	1.34	--	\$227. ⁹⁵	S... 16
TS-20/20	M20	.87 - 1.10	.79	1.57	--	\$238. ⁹⁵	S... 20
TS-25/25	M25	1.10 - 1.50	.98	1.97	--	\$279. ⁹⁵	S... 25
TS-32/32	M32	1.40 - 1.97	1.26	2.48	--	\$310. ⁹⁵	S... 32-33
TS-40/40	M40	1.97 - 2.68	1.57	3.15	--	\$341. ⁹⁵	S... 40-41
TS-50/50	M50	2.68 - 3.54	2.17	3.94	1.97	\$372. ⁹⁵	S... 50
TS-50/63	M50	3.54 - 4.72	2.83	3.15	2.36	\$372. ⁹⁵	S... 63
TS-63/63	M63	3.54 - 4.72	2.83	4.92	2.48	\$465. ⁹⁵	S... 63
TS-80/80	M80	4.72 - 6.30 6.30 - 7.87	3.74	5.51	2.95	\$569. ⁹⁵	S... 80 S... 90



SMCC Boring Cartridges for TS Roughing Heads

Designation	$\varnothing^1$	A	B	SPECIAL	Insert
SMCC-25	1.10 - 1.50	.48	.91	\$93. ⁹⁵	CCMT-0602..
SMCC-32	1.40 - 1.97	.58	1.26	\$103. ⁹⁵	
SMCC-33	1.40 - 1.97	.58	1.26	\$103. ⁹⁵	
SMCC-40	1.97 - 2.68	.74	1.57	\$103. ⁹⁵	CCMT-09T3..
SMCC-41	1.97 - 2.68	.74	1.57	\$103. ⁹⁵	
SMCC-50	2.68 - 3.54	.85	2.13	\$103. ⁹⁵	
SMCC-63	3.54 - 4.72	1.05	2.78	\$186. ⁹⁵	CCMT-1204..
SMCC-80	4.72 - 6.30	1.25	3.72	\$207. ⁹⁵	
SMCC-90	6.30 - 7.87	1.25	5.12	\$269. ⁹⁵	

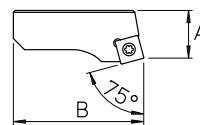
Inserts sold separately



SSCC Boring Cartridges for TS Roughing Heads

Designation	$\varnothing^1$	A	B	SPECIAL	Insert
SSCC-16	.71 - .87	.31	.59	\$86. ⁹⁵	CCMT-0602..
SSCC-20	.87 - 1.10	.37	.75	\$91. ⁹⁵	
SSCC-25	1.10 - 1.50	.49	.91	\$93. ⁹⁵	
SSCC-32	1.40 - 1.97	.59	1.26	\$103. ⁹⁵	CCMT-09T3..
SSCC-33	1.40 - 1.97	.59	1.26	\$103. ⁹⁵	
SSCC-40	1.97 - 2.68	.75	1.57	\$103. ⁹⁵	
SSCC-41	1.97 - 2.68	.75	1.57	\$103. ⁹⁵	CCMT-1204..
SSCC-50	2.68 - 3.54	.87	2.13	\$103. ⁹⁵	
SSCC-63	3.54 - 4.72	1.06	2.78	\$186. ⁹⁵	
SSCC-80	4.72 - 6.30	1.26	3.72	\$207. ⁹⁵	
SSCC-90	6.03 - 7.87	1.26	5.12	\$269. ⁹⁵	

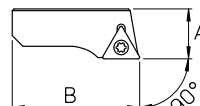
Inserts sold separately



SSSC Cartridges

Designation	$\varnothing^1$	A	B	SPECIAL	Insert
SSSC-32	1.40 - 1.97	.59	1.26	\$103. ⁹⁵	SCMT-09T3..
SSSC-40	1.97 - 2.68	.75	1.57	\$103. ⁹⁵	
SSSC-50	2.68 - 3.54	.87	2.13	\$103. ⁹⁵	
SSSC-63	3.54 - 4.72	1.06	2.78	\$186. ⁹⁵	SCMT-1204..
SSSC-80	4.72 - 6.30	1.26	3.72	\$207. ⁹⁵	
SSSC-90	6.30 - 7.87	1.26	5.12	\$269. ⁹⁵	

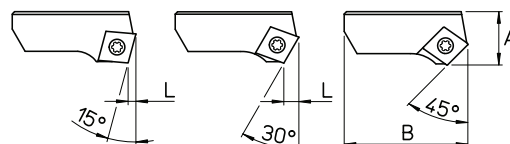
Inserts sold separately



SSTC Cartridges

Designation	$\varnothing^1$	A	B	SPECIAL	Insert
SSTC-63	3.54 - 4.72	1.06	2.78	\$186. ⁹⁵	TCMT-2204..
SSTC-80	4.72 - 6.30	1.26	3.72	\$207. ⁹⁵	
SSTC-90	6.30 - 7.87	1.26	5.12	\$269. ⁹⁵	

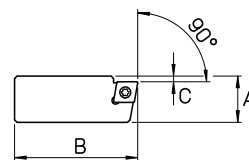
Inserts sold separately



SSSM Chamfer Cartridges for TS Roughing Heads

Designation	Range	Angle	A	B	SPECIAL	Insert
SSSM-25-15	1.02 - 1.50	15°	.49	.91	\$93. ⁹⁵	CCMT-0602
SSSM-25-30		30°			\$93. ⁹⁵	
SSSM-25-45		45°			\$93. ⁹⁵	
SSSM-32-15	1.36 - 1.93	15°	.59	1.22	\$103. ⁹⁵	CCMT-0602
SSSM-32-30		30°			\$103. ⁹⁵	
SSSM-32-45		45°			\$103. ⁹⁵	
SSSM-40-15	1.83 - 2.60	15°	.75	1.54	\$103. ⁹⁵	CCMT-09T3
SSSM-40-30		30°			\$103. ⁹⁵	
SSSM-40-45		45°			\$103. ⁹⁵	
SSSM-50-15	2.56 - 3.46	15°	.87	2.09	\$103. ⁹⁵	CCMT-1204
SSSM-50-30		30°			\$103. ⁹⁵	
SSSM-50-45		45°			\$103. ⁹⁵	

Inserts sold separately



SSQC BackBore Cartridges for TS Roughing Heads

Designation	Range	A	B	C	SPECIAL	Insert
SSQC-16	.79 - .94	.08	.63	.39	\$113. ⁹⁵	CCMT-0602
SSQC-20	.93 - 1.18	.06	.77	.43	\$124. ⁹⁵	
SSQC-25	1.16 - 1.57	.10	.94	.57	\$124. ⁹⁵	
SSQC-33	1.54 - 2.05	.12	1.26	.67	\$129. ⁹⁵	CCMT-09T3
SSQC-41	2.01 - 2.76	.14	1.65	.83	\$134. ⁹⁵	CCMT-1204
SSQC-50	2.72 - 3.62	.14	2.24	.96	\$144. ⁹⁵	
SSQC-63	3.58 - 4.80	.14	2.99	1.12	\$238. ⁹⁵	
SSQC-80	4.76 - 6.38	.14	3.98	1.24	\$269. ⁹⁵	
SSQC-90	6.34 - 7.95	.14	4.80	1.24	\$351. ⁹⁵	

Inserts sold separately

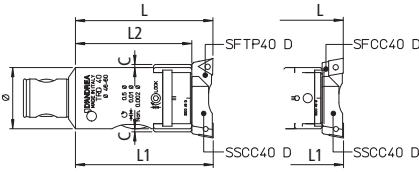
TRD & TRC Heads for Rough & Semi Finish to Fine Finishing

TRD Double Cutters for Roughing & Precision Finishing

The double cutter TRD heads allow both roughing and high precision finishing thanks to their rigidity and the sensitivity of the sliding mechanism which can achieve a radial adjustment of 5 micron. These heads can be adjusted directly on the machine tool and easily read on the Vernier scale.



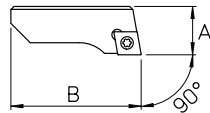
Boring Range $\varnothing$ 1.10 - 4.72



TRD

D'Andrea Precision Boring Heads for Roughing and Finishing

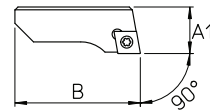
Designation	MHD	Range	L	L1	L2	C	SPECIAL
TRD-25/25	M25	1.10 - 1.42	2.21	2.22	1.83	.02	\$683. ⁹⁵
TRD-32/32	M32	1.42 - 1.81	2.79	2.80	2.34	.02	\$724. ⁹⁵
TRD-40/40	M40	1.81 - 2.36	3.53	3.54	2.99	.04	\$755. ⁹⁵
TRD-50/50	M50	2.36 - 2.95	3.42	3.43	2.68	.04	\$869. ⁹⁵
TRD-63/63	M63	2.95 - 3.74	4.28	4.29	3.33	.08	\$931. ⁹⁵
TRD-80/80	M80	3.74 - 4.72	5.11	5.12	3.96	.08	\$1,035. ⁹⁵



Roughing Cartridges for TRD Boring Heads

Designation	Range	A	B	SPECIAL	Insert
SSCC-25-D	1.10 - 1.42	.394	.94	\$93. ⁹⁵	CCMT-0602__
SSCC-32-D	1.42 - 1.81	.453	1.18	\$103. ⁹⁵	
SSCC-40-D	1.81 - 2.36	.551	1.57	\$103. ⁹⁵	CCMT-09T3__
SSCC-50-D	2.36 - 2.95	.748	2.13	\$103. ⁹⁵	
SSCC-63-D	2.95 - 3.74	.965	2.68	\$186. ⁹⁵	
SSCC-80-D	3.74 - 4.72	1.161	3.43	\$207. ⁹⁵	

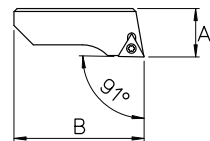
Inserts sold separately



Finishing Cartridges for TRD Boring Heads

Designation	Range	A	B	SPECIAL	Insert
SFCC-25-D	1.10 - 1.42	.386	.94	\$93. ⁹⁵	CCGT-0602__
SFCC-32-D	1.42 - 1.81	.445	1.18	\$103. ⁹⁵	
SFCC-40-D	1.81 - 2.36	.543	1.57	\$103. ⁹⁵	CCGT-09T3__
SFCC-50-D	2.36 - 2.95	.740	2.13	\$103. ⁹⁵	
SFCC-63-D	2.95 - 3.74	.957	2.68	\$186. ⁹⁵	
SFCC-80-D	3.74 - 4.72	1.154	3.43	\$207. ⁹⁵	

Inserts sold separately



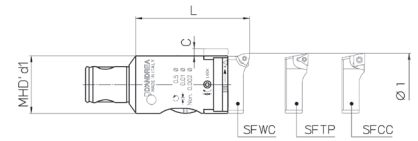
Finishing Cartridges for TRD Boring Heads

Designation	Range	A	B	SPECIAL	Insert
SFTP-25-D	1.10 - 1.42	.386	.94	\$93. ⁹⁵	TPGX-0902__
SFTP-32-D	1.42 - 1.81	.445	1.18	\$103. ⁹⁵	
SFTP-40-D	1.81 - 2.36	.543	1.57	\$103. ⁹⁵	TPGX-1103__
SFTP-50-D	2.36 - 2.95	.740	2.13	\$103. ⁹⁵	
SFTP-63-D	2.95 - 3.74	.957	2.68	\$186. ⁹⁵	
SFTP-80-D	3.74 - 4.72	1.154	3.43	\$207. ⁹⁵	

Inserts sold separately



Boring Range $\varnothing$.10 - 7.87



TRC

D'Andrea Precision Boring Heads for Semi-Finishing & Finishing (Cartridges / Accessories sold separately)

Designation	MHD	Range	L	C	SPECIAL	Accessories
TRC-14/14	M14	.57 - .71	1.18	.04	\$496. ⁹⁵	SFCW 14
TRC-16/16	M16	.71 - .94	1.34	.06	\$517. ⁹⁵	SF.. 16
TRC-20/20	M20	.87 - 1.18	1.57	.10	\$548. ⁹⁵	SF.. 20
TRC-25/25	M25	1.10 - 1.57	1.97	.12	\$569. ⁹⁵	SF.. 25
TRC-32/32	M32	1.38 - 2.09	2.48	.16	\$610. ⁹⁵	SF.. 32
TRC-40/40	M40	1.89 - 2.60	3.15	.20	\$621. ⁹⁵	SF.. 40
TRC-50/50	M50	.098 - 1.18	TBD	.20	\$683. ⁹⁵	B1 / B3 / B5 / B8
		1.10 - 2.13	TBD			P-25.63 / SF..25 / SF..32
		2.13 - 3.39	3.15			SF..50
		3.03 - 4.37	3.70			PS-31.24 / SF..50
TRC-63/63	M63	2.83 - 4.33	3.48	.39	\$786. ⁹⁵	SF..50
		3.38 - 4.92	4.33			PS-31.28 / SF..50
TRC-80/80	M80	3.46 - 5.20	4.09	.47	\$828. ⁹⁵	SF..50
		4.52 - 6.30	4.94			PS-32.28 / SF..50
		6.10 - 7.87	4.94			PS-33.28 / SF..50

CCGT Inserts

Designation	d	s	r	UTI20T	DK100	DC100	DC100T
CCGT-060200L.10	.250	.094	--	•	•	•	•
CCGT-060202L			.008	•	•	•	•
CCGT-060204L			.016	•	•	•	•
CCGT-09T302L	.375	.157	.008	•	•	•	•
CCGT-09T304L			.016	•	•	•	•

CCMT Inserts

Designation	d	s	r	DP300	DK100	DP100R
CCMT-060202	.250	.094	.008	•	•	•
CCMT-060204			.016	•	•	•
CCMT-09T304	.375	.157	.016	•	•	•
CCMT-09T308			.031	•	•	•
CCMT-120404	.500	.187	.016	•	•	•
CCMT-120408			.031	•	•	•

TPGX Inserts

Designation	d	s	r	UTI20T	DK100	DC100	DC100T
TPGX-090200L.10	.219	.094	--	•	•	•	•
TPGX-090202L			.008	•	•	•	•
TPGX-090204L			.016	•	•	•	•
TPGX-110300L	.250	.157	--	•	•	•	•
TPGX-110302L			.008	•	•	•	•
TPGX-110304L			.016	•	•	•	•

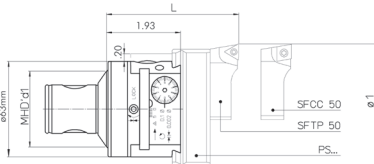
WCGT Inserts

Designation	d	s	r	UTI20T	DK100	DC100	DC100T
WCGT-020102L	.157	.063	.008	•	•	•	•
WCGT-020104L			.016	•	•	•	•

TRM Heads for Semi & Fine Finishing

TRM Heads for finish & super-finishing boring operations, .0001 (0.002mm) ϕ setting accuracy

Boring Range ϕ .24 - 19.70

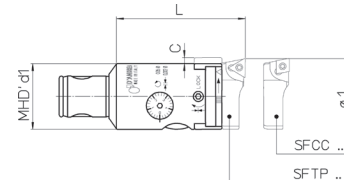


TRM

D'Andrea Precision Boring Heads for Fine Finishing
(Cartridges / Slides / Bars sold separately)

Designation	MHD	Range	L	L1	SPECIAL	Slide / Ext	Cart / Bar
TRM-50/63	M50	.24 - 1.18	--	--	\$999. ⁹⁵	--	B3 / B5 / B8
			1.97	--		P-02.30	SF..25
		1.18 - 2.60	3.15	--		P-03.30	
			4.92	--		P-04.30	
			1.97	--		P-02.30	SF..32
		1.40 - 3.03	3.15	--		P-03.30	
			4.92	--		P-04.30	
		3.00 - 3.90	3.44	1.93		PS 11.30	SF..50
		3.70 - 4.90				PS 12.30	
TRM-63/63	M63	.24 - 1.18	--	--	\$999. ⁹⁵	--	B3 / B5 / B8
			1.97	--		P-02.30	SF..25
		1.18 - 2.60	3.15	--		P-03.30	
			4.92	--		P-04.30	
			1.97	--		P-02.30	SF..32
		1.40 - 3.03	3.15	--		P-03.30	
			4.92	--		P-04.30	
		3.00 - 5.90	3.44	1.93		PS 11.30	SF..50
		3.70 - 4.90				PS 12.30	
TRM-50/80	M50	.24 - 1.18	--	--	\$1,035. ⁹⁵	--	B3 / B5 / B8
			1.97	--		P-02.30	SF..25
		1.18 - 3.27	3.15	--		P-03.30	
			4.92	--		P-04.30	
			1.97	--		P-02.30	SF..32
		1.40 - 3.74	3.15	--		P-03.30	
			4.92	--		P-04.30	
		3.70 - 5.50	3.80	2.28		PS 12.30	SF..50
		5.50 - 6.30				PS 13.30	
TRM-80/80	M80	.24 - 1.18	--	--	\$1,035. ⁹⁵	--	B3 / B5 / B8
			1.97	--		P-02.30	SF..25
		1.18 - 3.27	3.15	--		P-03.30	
			4.92	--		P-04.30	
			1.97	--		P-02.30	SF..32
		1.40 - 3.74	3.15	--		P-03.30	
			4.92	--		P-04.30	
		3.70 - 5.50	3.80	2.28		PS 12.30	SF..50
		5.50 - 6.30				PS 13.30	
TRM-80/125	M80		3.15	--	\$1,759. ⁹⁵	P-02.40	SF..32
		1.42 - 4.92	4.92	--		P-03.40	
			7.87	--		P-04.40	
			3.15	--		P-02.40	SF..40
		1.97 - 5.43	4.92	--		P-03.40	
			7.87	--		P-04.40	
		5.30 - 8.30				PS 11.40	SF..50
		8.10 - 12.20	4.49	2.48		PS 12.40	
		12.00 - 16.10				PS 13.40	SF..50
		15.90 - 19.70				PS 14.40	

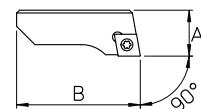
Boring Range ϕ .10 - 4.25



TRM

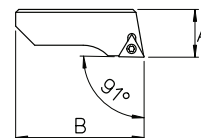
D'Andrea Precision Boring Heads for Fine Finishing
(Cartridges / Accessories sold separately)

Designation	MHD	Range	L	C	SPECIAL	Accessories
TRM-16/16	M16	.71 - .91	1.34	.04	\$641. ⁹⁵	SF.. 16
TRM-20/20	M20	.87 - 1.14	1.57	.08	\$672. ⁹⁵	SF.. 20
TRM-25/25	M25	1.10 - 1.50	1.97	.08	\$714. ⁹⁵	SF.. 25
TRM-32/32	M32	1.40 - 1.97	2.48	.12	\$755. ⁹⁵	SF.. 32
TRM-40/40	M40	1.89 - 2.48	3.15	.16	\$796. ⁹⁵	SF.. 40
TRM-50/50	M50	.098 - 1.18	TBD	.20	\$890. ⁹⁵	B1 / B3 / B5 / B8
		1.10 - 2.13	TBD			P-25.63 / SF..25 / SF..32
		2.13 - 3.39	3.15			SF..50
		3.03 - 4.25	3.70			PS-31.24 / SF..50



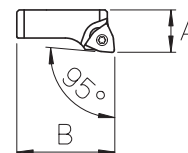
SFCC Cartridges

Designation	Range	A	B	SPECIAL	Insert
SFCC-16	.71 - .94	.31	.67	\$87. ⁹⁵	CCGT-0602..
SFCC-20	.87 - 1.18	.33	.83	\$91. ⁹⁵	
SFCC-25	1.10 - 1.57	.39	1.04	\$93. ⁹⁵	CCGT-0602..
SFCC-32	1.38 - 2.09	.45	1.36	\$103. ⁹⁵	
SFCC-40	1.89 - 2.60	.55	1.73	\$103. ⁹⁵	CCGT-09T3..
SFCC-50	2.13 - 19.70	.75	2.05	\$103. ⁹⁵	



SFTP Cartridges

Designation	Range	A	B	SPECIAL	Insert
SFTP-25	1.10 - 1.57	.39	1.04	\$93. ⁹⁵	TPGX-0902..
SFTP-32	1.38 - 2.09	.45	1.36	\$103. ⁹⁵	
SFTP-40	1.89 - 2.60	.55	1.73	\$103. ⁹⁵	
SFTP-50	2.13 - 19.70	.75	2.05	\$103. ⁹⁵	TPGX-1103..



SFWC Cartridges

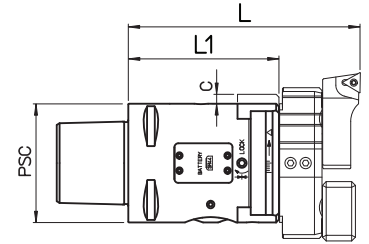
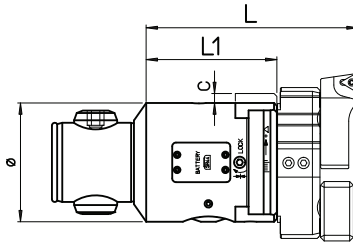
Designation	Range	A	B	SPECIAL	Insert
SFWC-14	.57 - .71	.31	.55	\$93. ⁹⁵	WCGT-0201..

TR-E Digital Heads for Precision Finishing

- Digital read-out / Inch or Metric
- Range from .10" to 7.87" (2.5 to 200 mm)
- High precision through direct measurement of Slide movement
- Zero Backlash Compensation
- Single button operation for "On", "Reset" and to change from Inch to Metric
- Display resolution .0001" (.002 mm)
- Coolant through to IP67 Standard
- Available with MHD or PSC Coupling



TR-E Heads for finish & super-finishing boring operations, radial adjustment of 0.0001" on dial.



TR-E D'Andrea Precision Boring Heads for Fine Finishing

MHD

Designation	MHD Size	Range	L	L1	C	SPECIAL	Accessories
TR-E50/50	MHD 50	.10 - 1.18	TBD			\$1,599 ⁹⁵	B1 / B3 / B5 / B8
		1.10 - 2.20	4.88				P-25.63 SF..25 / SF..32
		2.13 - 3.39	3.15	2.40	.20		BM10 SF..50
		3.15 - 4.33		3.70			PS-31.24 SF..50
		3.62 - 4.33					PS-31.24 / CW-32 SF..50
Designation	MHD Size	Range	L	L1	C	SPECIAL	Accessories
TR-E63/63	MHD 63	.24 - 1.18	TBD			\$1,699 ⁹⁵	PS-31.28 B3 / B5 / B8
		1.10 - 2.20	6.06				PS-31.28 / P-25.63 SF..25 / SF..32
		1.57 - 2.20	6.22				P-22.28 SF..32
		2.13 - 2.91	6.50				P-22.28 SF..50
		2.83 - 4.06	3.48				SF..50
		3.39 - 4.92	4.33				PS-31.28 / CW-32 SF..50
TR-E80/80	MHD 80	.24 - 1.18	TBD			\$1,899 ⁹⁵	PS-32.28 B3 / B5 / B8
		1.10 - 2.20	6.06				PS-32.28 / P-25.63 SF..25 / SF..32
		1.57 - 2.20	6.81				P-22.28 SF..32
		2.13 - 3.39	7.09	3.33	.20		P-22.28 SF..50
		3.35 - 4.57	4.09				SF..50
		4.53 - 6.30		4.94			PS-32.28 / CW-32 SF..50
		6.10 - 7.87					PS-33.28 / CW-32 SF..50

Note! Accessories listed above are not included with head and must be ordered separately

TR-E D'Andrea Precision Boring Heads for Fine Finishing

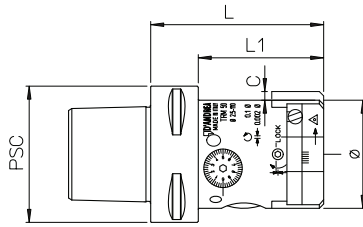
PSC

Designation	PSC Size	Range	L	L1	C	SPECIAL	Accessories
TR-E50/PSC50	PSC 50	.10 - 1.18	TBD			\$1,699 ⁹⁵	B1 / B3 / B5 / B8
		1.10 - 2.20	5.63				P-25.63 SF..25 / SF..32
		2.13 - 3.39	3.90	3.15	.20		BM10 SF..50
		3.15 - 4.33		4.45			PS-31.24 SF..50
		3.62 - 4.33					PS-31.24 / CW-32 SF..50
Designation	PSC Size	Range	L	L1	c	SPECIAL	Accessories
TR-E63/PSC63	PSC 63	.24 - 1.18	TBD			\$1,799 ⁹⁵	PS-31.28 B3 / B5 / B8
		1.10 - 2.20	6.48				PS-31.28 / P-25.63 SF..25 / SF..32
		1.57 - 2.20	6.63				P-22.28 SF..32
		2.13 - 2.91	6.91				P-22.28 SF..50
		2.83 - 4.06	3.90				SF..50
		3.39 - 4.92	4.74				PS-31.28 / CW-32 SF..50
TR-E80/PSC80	PSC 80	.24 - 1.18	TBD			\$1,999 ⁹⁵	PS-32.28 B3 / B5 / B8
		1.10 - 2.20	7.34				PS-32.28 / P-25.63 SF..25 / SF..32
		1.57 - 2.20	7.50				P-22.28 SF..32
		2.13 - 3.39	7.78	4.01	.20		P-22.28 SF..50
		3.35 - 4.57	4.78				SF..50
		4.53 - 6.30		5.63			PS-32.28 / CW-32 SF..50
		6.10 - 7.87					PS-33.28 / CW-32 SF..50

Note! Accessories listed above are not included with head and must be ordered separately

TRM Heads with PSC Shanks for Semi & Fine Finishing

TRM Heads for finish & super-finishing boring operations, .0001" (0.002mm) Ø setting accuracy



D'Andrea PSC (Polygon) shank tooling is manufactured to ISO 26623-2 and is completely interchangeable with the Sandvik CAPTO* tooling system. Using these PSC holders then permits you to use the complete D'Andrea Modular MHD boring system in your machine tools.

The shank crossovers are as listed below:

TRM-50/PSC40 Head Range .10" to 4.25" **\$931.95**

Designation	PSC Size	Ø	L	L1	C	Accessories*
TRM-50/PSC40	PSC40	.10 - .24	TBD	2.36	.16	D08-16 B1
		.24 - 1.18	TBD			B3 / B5 / B8
		1.10 - 2.20	5.69			P25.63 SF..25 / SF32
		2.13 - 3.31	3.90			BM10 SF..50
		3.15 - 4.25	4.45			PS-31.24 SF..50
		3.62 - 4.25				PS-31.24 / CW-32 SF..50

TRM-50/PSC50 Head Range .10" to 4.25" **\$931.95**

Designation	PSC Size	Ø	L	L1	C	Accessories*
TRM-50/PSC50	PSC50	.10 - .24	TBD	2.36	.16	D08-16 B1
		.24 - 1.18	TBD			B3 / B5 / B8
		1.10 - 2.20	5.69			P25.63 SF..25 / SF32
		2.13 - 3.31	3.90			BM10 SF..50
		3.15 - 4.25	4.45			PS-31.24 SF..50
		3.62 - 4.25				PS-31.24 / CW-32 SF..50

TRM-50/PSC63 Head Range .10" to 4.25" **\$988.95**

Designation	PSC Size	Ø	L	L1	C	Accessories*
TRM-50/PSC63	PSC63	.10 - .24	TBD	2.28	.16	D08-16 B1
		.24 - 1.18	TBD			B3 / B5 / B8
		1.10 - 2.20	5.69			P25.63 SF..25 / SF32
		2.13 - 3.31	3.90			BM10 SF..50
		3.15 - 4.25	4.45			PS-31.24 SF..50
		3.62 - 4.25				PS-31.24 / CW-32 SF..50

TRM-63/PSC63 Head Range .10" to 4.92" **\$1,035.95**

Designation	PSC Size	Ø	L	L1	C	Accessories*
TRM-63/PSC63	PSC63	.10 - .24	TBD	---	.20	P-20.30 / D08.16 B1
		.24 - 1.18	TBD			B3 / B5 / B8
		1.18 - 3.03	5.00			P-02.30 SF..25 / SF32
			6.18			P-03.30 SF..25 / SF32
		3.03 - 4.92	4.27			PS-11.30 SF..50

TRM-80/PSC80 Head Range .10" to 8.66" **\$1,138.95**

Designation	PSC Size	Ø	L	C	Accessories*
TRM-80/PSC80	PSC80	.10 - .24	TBD	.20	P-20.30 / D08.16 B1
		.24 - 1.18	TBD		PS-32.28 B3 / B5 / B8
			5.59		P-02.30 SF..25 / SF32
		1.18 - 3.74	6.77		P-03.30 SF..25 / SF32
			8.54		P-04.30 SF..25 / SF32
		3.74 - 5.51	4.86		PS-12.30 SF..50
		5.51 - 8.66			PS-13.30 SF..50

Note! Accessories listed above are not included with head and must be ordered separately

CAPTO	D'Andrea PSC
C4	PSC40
C5	PSC50
C6	PSC63
C8	PSC80
C10	PSC100

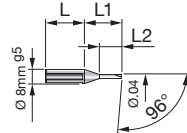
* Sandvik & CAPTO are registered trademarks of Sandvik Intellectual Property AB

Complete offerings of PSC Tools available:

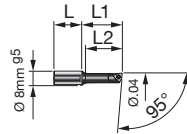
- PSC Arbours
- PSC Extensions
- PSC Reducers
- PSC Blanks
- 28Rc & 42Rc
- PSC Turning Tools
- PSC ShrinkFit (Metric Only)
- PSC Precision Boring Heads



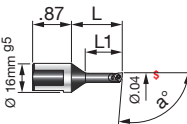
Boring Bars and Accessories



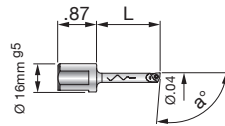
Designation	Ø ¹	L	L1	L2	SPECIAL
B1.02	.10 - .16	.87	.83	.49	\$103 ^{.95}
B1.04	.16 - .24	.94	.94	--	\$103 ^{.95}



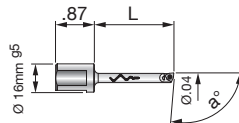
Designation	Ø ¹	L	L1	L2	SPECIAL	Insert	Insert
B1.06	.24 - .31	.63	.91	.83	\$93 ^{.95}	WCGT-0201..	--
B1.08	.31 - .39	.63	1.10	--	\$93 ^{.95}	--	TPGX-0902
B1.10	.39 - .47	.63	1.42	--	\$93 ^{.95}	--	TPGX-0902



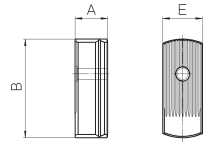
Designation	Ø ¹	L	L1	a°	SPECIAL	Insert	Insert
B3.06	.24 - .31	1.14	.83	95°	\$98 ^{.95}	WCGT-0201..	--
B3.08	.31 - .39	1.42	1.10	95°	\$103 ^{.95}	--	TPGX-0902..
B3.10	.39 - .47	1.69	1.38	93°	\$113 ^{.95}	--	TPGX-0902..
B3.11	.43 - .51	1.89	1.57	95°	\$113 ^{.95}	--	TPGX-0902..
B3.12	.47 - .55	1.89	1.65	95°	\$119 ^{.95}	--	TPGX-0902..
B3.14	.55 - .63	2.05	1.97	95°	\$124 ^{.95}	--	TPGX-0902..
B3.16	.63 - .71	2.28	1.97	95°	\$126 ^{.95}	--	TPGX-0902..
B3.18	.71 - .87	2.48	--	95°	\$134 ^{.95}	--	TPGX-0902..
B3.22	.87 - 1.18	2.68	--	95°	\$138 ^{.95}	--	TPGX-0902..



Designation	Ø ¹	L	a°	SPECIAL	Insert	Insert
B5.06	.24 - .31	1.42	95°	\$248 ^{.95}	WCGT-0201..	--
B5.08	.31 - .39	1.89	95°	\$279 ^{.95}	--	TPGX-0902..
B5.10	.39 - .47	2.36	93°	\$310 ^{.95}	--	TPGX-0902..
B5.12	.47 - .55	2.83	95°	\$341 ^{.95}	--	TPGX-0902..
B5.14	.55 - .63	3.31	95°	\$367 ^{.95}	--	TPGX-0902..
B5.16	.63 - .71	3.78	95°	\$414 ^{.95}	--	TPGX-0902..

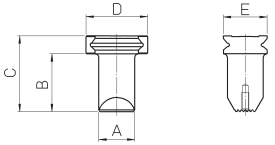


Designation	Ø ¹	L	a°	SPECIAL	Insert	Insert
B8.06	.24 - .31	1.77	95°	\$445 ^{.95}	WCGT-0201..	--
B8.08	.31 - .39	2.36	95°	\$455 ^{.95}	--	TPGX-0902..
B8.10	.39 - .47	2.95	93°	\$496 ^{.95}	--	TPGX-0902..
B8.12	.47 - .55	3.54	95°	\$538 ^{.95}	--	TPGX-0902..
B8.14	.55 - .63	4.13	95°	\$599 ^{.95}	--	TPGX-0902..
B8.16	.63 - .71	4.72	95°	\$662 ^{.95}	--	TPGX-0902..



Tool Slide

Designation	A	B	E	SPECIAL
PS-11.30	.98	2.95	1.20	\$129 ^{.95}
PS-12.30	.98	3.66	1.20	\$144 ^{.95}
PS-13.30	.98	5.31	1.20	\$207 ^{.95}
PS-11.40	1.57	5.24	1.57	\$207 ^{.95}
PS-12.40	1.57	7.87	1.57	\$238 ^{.95}
PS-13.40	1.57	11.81	1.57	\$310 ^{.95}
PS-14.40	1.57	15.75	1.57	\$465 ^{.95}

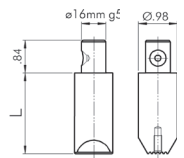


Toolholder Extension

Designation	A	B	C	D	E	SPECIAL
P-02.30	.98	1.57	2.07	1.69	1.20	\$103 ^{.95}
P-03.30	.98	2.76	3.25	1.69	1.20	\$116 ^{.95}
P-04.30	1.06	4.53	5.02	1.69	1.20	\$165 ^{.95}
P-02.40	1.26	2.72	3.39	2.20	1.57	\$144 ^{.95}
P-03.40	1.26	4.49	5.16	2.20	1.57	\$155 ^{.95}
P-04.40	1.50	7.44	8.11	2.20	1.57	\$227 ^{.95}

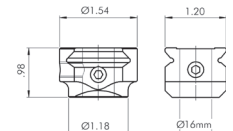
Toolholder Extension

Designation	L	SPECIAL
P-25.63	2.09	\$93 ^{.95}
P-25.105	3.74	\$134 ^{.95}

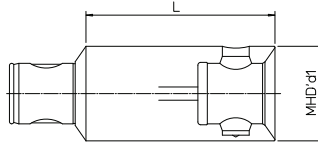


Boring Bar Holder

Designation	SPECIAL
P-20.30	\$103 ^{.95}

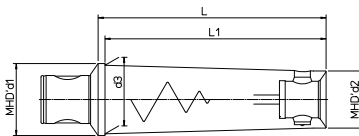


MHD Extensions & Reducers



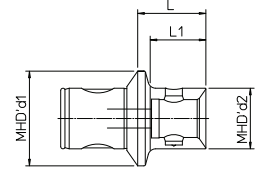
Extensions

Designation	MHD d1	L	SPECIAL
PR-14.25	M14	.98	\$134. ⁹⁵
PR-16.25	M16	.98	\$134. ⁹⁵
PR-20.32	M20	1.26	\$134. ⁹⁵
PR-25.25	M25	.98	\$134. ⁹⁵
PR-25.40		1.57	\$134. ⁹⁵
PR-32.32	M32	1.26	\$134. ⁹⁵
PR-32.50		1.97	\$144. ⁹⁵
PR-40.40	M40	1.57	\$144. ⁹⁵
PR-40.63		2.48	\$150. ⁹⁵
PR-50.50	M50	1.97	\$150. ⁹⁵
PR-50.80		3.15	\$165. ⁹⁵
PR-50.100		3.94	\$175. ⁹⁵
PR-63.63	M63	2.48	\$175. ⁹⁵
PR-63.100		3.94	\$196. ⁹⁵
PR-63.125		4.92	\$207. ⁹⁵
PR-80.80	M80	3.15	\$248. ⁹⁵
PR-80.125		4.92	\$269. ⁹⁵
PR-80.160		6.30	\$289. ⁹⁵
PR-110.140	M110	5.51	\$621. ⁹⁵
PR-110.200		7.87	\$641. ⁹⁵
PR-140.140	M140	5.51	\$724. ⁹⁵
PR-140.250		9.84	\$931. ⁹⁵



MHD - RAV Heavy Metal Reducer

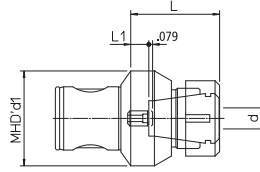
Designation	MHD d1	MHD d2	d3	L	L1	SPECIAL
RAV-50/16.74	M50	16	.69	2.91	2.56	\$310. ⁹⁵
RAV-50/20.93		20	.85	3.66	3.35	\$341. ⁹⁵
RAV-50/25.117		25	1.06	4.61	4.33	\$414. ⁹⁵
RAV-50/32.144		32	1.38	5.97	5.43	\$610. ⁹⁵
RAV-50/40.176		40	1.85	6.93	6.69	\$931. ⁹⁵
RAV-63/50.220	M63	50	2.36	8.66	8.43	\$1,656. ⁹⁵
RAV-80/63.280	M80	63	3.03	11.02	10.71	\$3,415. ⁹⁵



Reducers

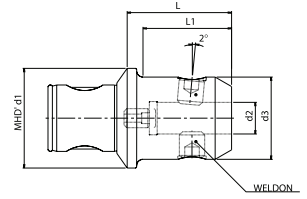
Designation	MHD d1	MHD d2	L	L1	SPECIAL
RD-16/14.25	M16	M14	.98	.77	\$134. ⁹⁵
RD-20/14.20	M20	M14	.79	.57	\$134. ⁹⁵
RD-20/16.20		M16	.79	.63	\$134. ⁹⁵
RD-25/14.20	M25	M14	.79	.53	\$134. ⁹⁵
RD-25/16.20		M16	.79	.59	\$134. ⁹⁵
RD-25/20.25		M20	.98	.79	\$134. ⁹⁵
RD-32/14.25	M32	M14	.98	.69	\$134. ⁹⁵
RD-32/16.24		M16	.94	.71	\$134. ⁹⁵
RD-32/20.25		M20	.98	.79	\$134. ⁹⁵
RD-32/25.28		M25	1.10	.91	\$134. ⁹⁵
RD-40/14.25	M40	M14	.98	.65	\$144. ⁹⁵
RD-40/16.24		M16	.94	.67	\$144. ⁹⁵
RD-40/20.26		M20	1.02	.79	\$144. ⁹⁵
RD-40/25.28		M25	1.10	.87	\$144. ⁹⁵
RD-40/32.32		M32	1.26	1.06	\$144. ⁹⁵
RD-50/14.25	M50	M14	.98	.57	\$155. ⁹⁵
RD-50/14.40		M14	1.57	1.16	\$186. ⁹⁵
RD-50/16.24		M16	.94	.59	\$155. ⁹⁵
RD-50/16.40		M16	1.57	1.26	\$175. ⁹⁵
RD-50/16.74		M16	2.91	2.56	\$207. ⁹⁵
RD-50/20.26		M20	1.02	.71	\$155. ⁹⁵
RD-50/20.70		M20	2.76	2.44	\$186. ⁹⁵
RD-50/20.93		M20	3.66	3.35	\$207. ⁹⁵
RD-50/25.28		M25	1.10	.83	\$155. ⁹⁵
RD-50/25.87		M25	3.43	3.15	\$196. ⁹⁵
RD-50/25.117		M25	4.61	4.33	\$217. ⁹⁵
RD-50/32.32		M32	1.26	.98	\$165. ⁹⁵
RD-50/32.87		M32	3.43	3.15	\$207. ⁹⁵
RD-50/32.144		M32	5.67	5.39	\$217. ⁹⁵
RD-50/40.36		M40	1.42	1.18	\$165. ⁹⁵
RD-50/40.87		M40	3.43	3.15	\$207. ⁹⁵
RD-50/40.176		M40	6.93	6.69	\$238. ⁹⁵
RD-50/63.56	M50	M63	2.20	--	\$165. ⁹⁵
RD-63/50.40	M63	M50	1.57	1.34	\$165. ⁹⁵
RD-80/50.45	M80	M50	1.77	1.42	\$217. ⁹⁵
RD-80/63.60		M63	2.36	2.05	\$217. ⁹⁵
RD-110/80.70	M110	M80	2.76	2.05	\$621. ⁹⁵
RD-140/80.70	M140	M80	2.76	2.01	\$724. ⁹⁵

MHD Holders and Accessories



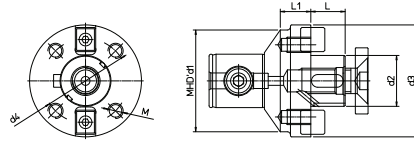
MHD ER Collet Chucks

Designation	MHD	Range	Collets	L	Wrench	SPECIAL
PE-16/ER11M	M16	.02 - .28	ER11	.98	E11M	\$140 ⁹⁵
PE-20/ER16M	M20	.02 - .39	ER16	1.26	E16M	\$144 ⁹⁵
PE-25/ER20M	M25	.04 - .51	ER20	1.57	E20M	\$151 ⁹⁵
PE-32/ER25M	M32	.04 - .63	ER25	1.65	E25M	\$151 ⁹⁵
PE-40/ER25	M40	.04 - .63		1.77	E25	\$155 ⁹⁵
PE-50/ER25	M50	.04 - .63	ER25	1.89	E25	\$165 ⁹⁵
PE-50/ER32		.08 - .79		2.17		\$165 ⁹⁵
PE-63/ER32	M63	.08 - .79	ER32	2.32	E32	\$175 ⁹⁵
PE-63/ER40		.12 - 1.02	ER40	2.52	E40	\$196 ⁹⁵



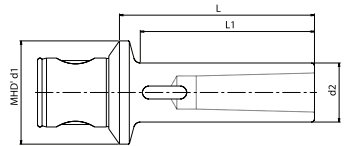
MHD Weldon Shank End Mill Holders

Designation	MHD d1	d2	d3	L	L1	SPECIAL
AW-50-1/4	M50	1/4"	.98	1.38	.93	\$150 ⁹⁵
AW-50-3/8		3/8"	1.38	2.05	1.65	\$150 ⁹⁵
AW-50-1/2		1/2"	1.65	2.24	1.89	\$150 ⁹⁵
AW-50-5/8		5/8"	1.89	2.64	2.40	\$150 ⁹⁵
AW-50-3/4		3/4"	1.97		---	\$150 ⁹⁵
AW-63-1/2	M63	1/2"	1.65	2.24	1.89	\$165 ⁹⁵
AW-63-5/8		5/8"	1.89	2.52	2.09	\$165 ⁹⁵
AW-63-3/4		3/4"	1.97	2.60	2.20	\$165 ⁹⁵
AW-63-1		1.00"	2.48	3.07	---	\$165 ⁹⁵
AW-63-1.1/4		1.1/4"	2.76		---	\$186 ⁹⁵
AW-80-1.1/2	M80	1.1/2"	3.15	3.27	---	\$227 ⁹⁵
AW-80-2		2.00"	3.74	3.94		\$227 ⁹⁵



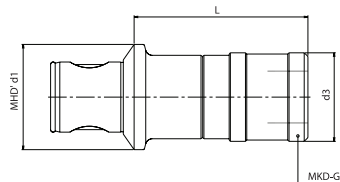
MHD Shell Mill Holders

Designation	MHD	d2	d3	L	L1	SPECIAL
PFS-40-3/4	M40	.750	1.57	.75	.51	\$165 ⁹⁵
PF-50-3/4	M50	.750	1.57	.68	.59	\$165 ⁹⁵
PF-50-1		1.000	1.96	.68	.59	\$165 ⁹⁵
PF-63-3/4	M63	.750	1.57	.68	.65	\$175 ⁹⁵
PF-63-1		1.000	2.36	.68	.59	\$175 ⁹⁵
PF-63-1.1/4		1.250	2.75	.68	.75	\$196 ⁹⁵
PF-80-1.1/2	M80	1.500	3.46	.94	.94	\$238 ⁹⁵
PF-80-2		2.000	3.85	.94	1.06	\$238 ⁹⁵



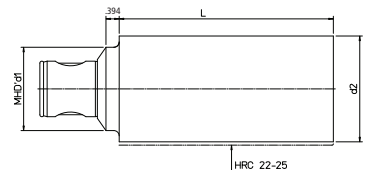
MHD Morse Taper Holders

Designation	MHD d1	MORSE	d2	L	L1	SPECIAL
CM-50/1	M50	MT1	.79	3.15	2.68	\$186 ⁹⁵
CM-50/2		MT2	1.18	3.94	3.39	\$207 ⁹⁵
CM-50/3		MT3	1.42	4.72	4.33	\$227 ⁹⁵
CM-63/3	M63	MT3	1.42	4.72	4.25	\$227 ⁹⁵
CM-63/4		MT4	1.89	5.91	5.24	\$248 ⁹⁵



MHD Tapping Chuck Holders

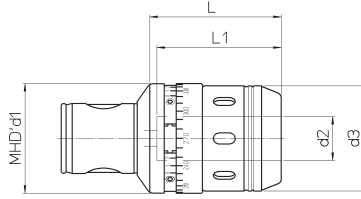
Designation	MHD d1	Capacity	Adapter Size	L	d3	SPECIAL
AM-50/M3-12	M50	M3-M12	1	2.83	1.42	\$465 ⁹⁵
AM-50/M8-20		M8-M20	2	4.17	2.09	\$486 ⁹⁵
AM-63/M3-12	M63	M3-M12	1	2.76	1.42	\$465 ⁹⁵
AM-63/M8-20		M8-M20	2	4.09	2.09	\$496 ⁹⁵



MHD Standard Blanks HRC 22 - 25

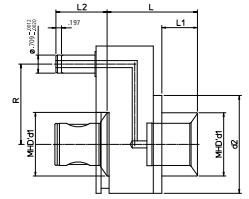
Designation	MHD d1	d2	L	kg	SPECIAL
NS-50	M50	2.48	6.30	4.20	\$248 ⁹⁵
NS-63	M63	3.15	7.87	8.70	\$351 ⁹⁵
NS-80	M80	3.94	9.84	16.00	\$445 ⁹⁵
NS-110	M110	5.12	9.84	18.00	\$724 ⁹⁵
NS-140	M140	5.91	9.84	30.00	\$931 ⁹⁵

MHD Milling Chucks & Coolant Chucking Tools



Ultra-Tight FORCE Milling Chuck

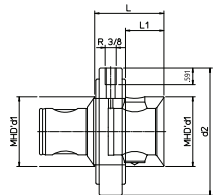
Designation	MHD d1	d2	d3	L	SPECIAL	Wrench
AMC-M50-0750-TR	M50	.750	1.89	2.36	\$399. ⁹⁵	WR-MC075
AMC-M50-20MM-TR		20 MM			\$399. ⁹⁵	
AMC-M63-1250-TR	M63	1.250	2.60	3.15	\$485. ⁹⁵	WR-MC125
AMC-M63-32MM-TR		32 MM			\$485. ⁹⁵	



Coolant Chucking Tools ACR/NC

Designation	MHD d1	R	d2	L	Max RPM	SPECIAL
ACR/NC-50/50-R.65	M50	65 MM	3.15	2.83	7000	\$1,614. ⁹⁵
ACR/NC-50/50-R.80		80 MM				\$1,614. ⁹⁵
ACR/NC-63/63-R.80	M63	80 MM	3.94	3.46	5600	\$1,759. ⁹⁵

Please note. Max coolant pressure 10 Bar



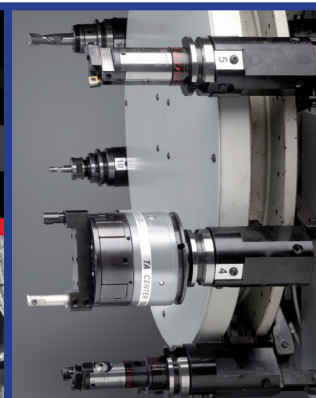
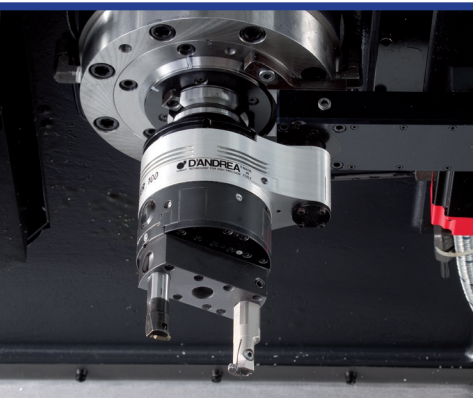
Coolant Chucking Tools ACR

Designation	MHD d1	d2	L	L1	Max RPM	SPECIAL
ACR-63/63	M63	4.53	2.48	1.38	3500	\$621. ⁹⁵

Please note. Max coolant pressure 10 Bar

D'ANDREA TA-CENTER

Standard tools can be mounted on D'ANDREA toolholders to perform simple machining and multiples of internal and external turning operations, taper and variable boring, concave and convex radius machining, grooves, cylindrical and conical threading, facing, complex profiles etc.



TYSON TOOL

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