



Spindle Tooling





Omega Products stock and supply trade distributors one of the UK’s largest ranges of engineering tooling including:

- Indexable Carbide Tooling
- Carbide Shank Boring Bars
- Spindle Tooling & Accessories
- Drilling & Tapping Tools
- Milling Tools
- Workholding & Vices

A little about Omega:

QUALITY TOOLING

We only sell high quality tooling and will not settle for less

COMPETITIVE PRICES

Our pricing is consistently competitive and transparent

CUSTOMER SERVICE

Our customers will always come first. Customer service is not just a department, it is our company

TRUST

Our word is our bond, we will always tell the truth and do as we say

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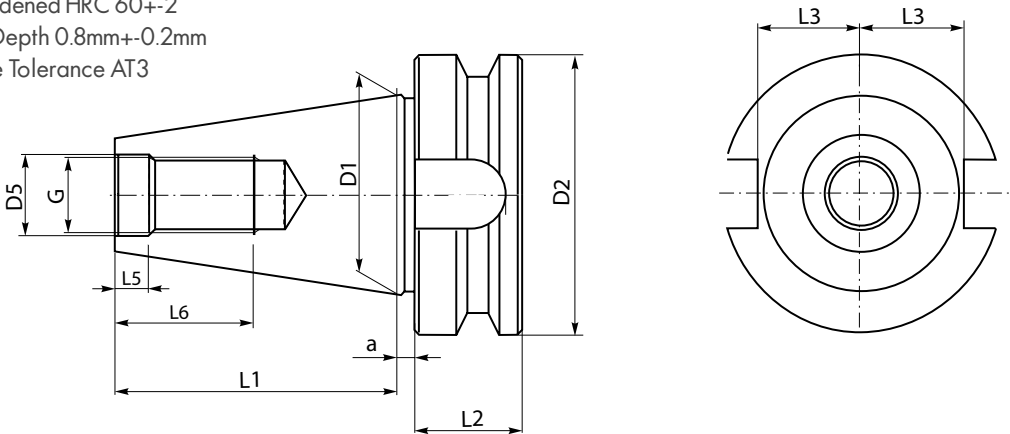


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50	DIN69871 Drill Chuck Adaptors	94	Straight Shank DMC Collet Chucks	144	Drill Chucks
51	DIN2080 ER Collet Chucks	95	Straight Shank Shrink Fit Chucks	145	Tightening Fixtures
52	DIN2080 End Mill Holders	96	Straight Shank Tapping Chucks	146-153	Pull Studs
53	DIN2080 Face Mill Arbors	97	Straight Shank Floating Reamer Holders	154-158	Spares
54	DIN2080 Morse Taper Adaptors	97	Straight Shank Integral Drill Chucks	159	Vices & Vice Jaws
54	DIN2080 Quick Change Tapping Chucks	98-99	R8 Bridgeport Tooling	160-161	Revolving Centres
55	DIN2080 Integral Drill Chucks	100	ER8 / ER11 Collets	162-163	Dead Centres

BT MAS403

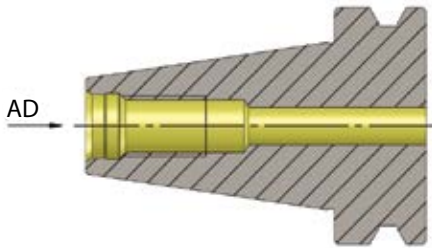
BT MAS403 (JIS 6399) TECHNICAL SPECIFICATION

- Manufactured with Casehardening Steel
- Surface Hardened HRC 60+-2
- Hardening Depth 0.8mm+-0.2mm
- Taper Angle Tolerance AT3

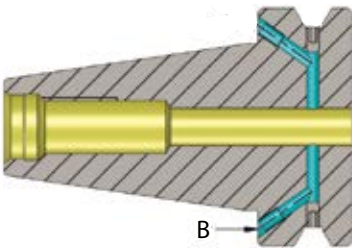


Taper	D1	G	D5	D2	a	L1	L2	L3	L5	L6
30	31.75	M12	12.5	46	2	48.4	22	16.3	7.0	24
40	44.45	M16	17.0	63	2	65.4	27	22.5	8.2	32
50	69.85	M24	25.0	100	3	101.8	38	35.3	11.0	47

Form AD
Through Spindle Coolant



Form AD/B
Through Spindle Coolant &
Through Flange Coolant



BT30 Mini ER Collet Chucks

- BT MAS403 (JIS 6339)
- MINI Nut ER Collet Chucks
- Slimline Extended Mini Chucks
- ER Collets - Pg. 100
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM30283	BT30 ER11 MINI	70	AD	G2.5 @20,000 RPM	£38.00
OM30284		100	AD	G2.5 @20,000 RPM	£42.00
OM31971	BT30 ER16 MINI	60	AD	G2.5 @20,000 RPM	£38.00
OM30366		100	AD	G2.5 @20,000 RPM	£42.00
OM30367		150	AD	G2.5 @20,000 RPM	£68.00



BT40 Mini ER Collet Chucks

- BT MAS403 (JIS 6339)
- MINI Nut ER Collet Chucks
- Slimline Extended Mini Chucks
- ER Collets - Pg. 100
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31334	BT40 ER11 MINI	70	AD	G2.5 @20,000 RPM	£36.00
OM31636		70	AD/B	G2.5 @25,000 RPM	£42.00
OM31335		100	AD	G2.5 @20,000 RPM	£36.00
OM31637		100	AD/B	G2.5 @25,000 RPM	£42.00
OM31638		160	AD/B	G2.5 @25,000 RPM	£68.00
OM30298	BT40 ER16 MINI	70	AD	G2.5 @20,000 RPM	£36.00
OM31639		70	AD/B	G2.5 @25,000 RPM	£42.00
OM31336		100	AD	G2.5 @20,000 RPM	£36.00
OM31640		100	AD/B	G2.5 @25,000 RPM	£42.00
OM31641		160	AD/B	G2.5 @25,000 RPM	£68.00
OM30287		200	AD	G2.5 @20,000 RPM	£89.00



BT40 Short
ER Collet Chucks

- BT MAS403 (JIS 6339)
- Very Short for maximum rigidity
- ER32 Collets - Pg. 104
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31538	BT40 N ER32 SHORT	35	AD	G2.5 @25,000 RPM	£49.00



BT30
ER Collet Chucks

- BT MAS403 (JIS 6339)
- Standard Nut Collet Chucks
- ER Collet System
- ER Collets - Pg. 101-105
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31005	BT30 ER16	70	AD	G2.5 @25,000 RPM	£25.00
OM31560		100	AD	G2.5 @25,000 RPM	£32.00
OM31006	BT30 ER25	70	AD	G2.5 @25,000 RPM	£25.00
OM31561		100	AD	G2.5 @25,000 RPM	£32.00
OM31007	BT30 ER32	70	AD	G2.5 @25,000 RPM	£25.00
OM31562		100	AD	G2.5 @25,000 RPM	£32.00
OM31008	BT30 ER40	80	AD	G2.5 @25,000 RPM	£25.00



BT40
ER Collet Chucks

- BT MAS403 (JIS 6339)
- Standard Nut Collet Chucks
- ER Collet System
- Wide range of gauge lengths available
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31042	BT40 ER16	70	AD	G2.5 @20,000 RPM	£23.00
OM31642		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31038		100	AD	G2.5 @20,000 RPM	£26.00
OM31643		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31535		120	AD/B	G2.5 @25,000 RPM	£42.00
OM31039		150	AD	G2.5 @20,000 RPM	£45.00
OM31040		160	AD	G2.5 @20,000 RPM	£45.00
OM31644		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31342		200	AD	G2.5 @20,000 RPM	£64.00
OM31645		200	AD/B	G2.5 @25,000 RPM	£79.00
OM31045	BT40 ER20	70	AD	G2.5 @20,000 RPM	£23.00
OM31043		100	AD	G2.5 @20,000 RPM	£26.00
OM31954		120	AD	G2.5 @20,000 RPM	£39.00
OM31044		150	AD	G2.5 @20,000 RPM	£45.00
OM31050	BT40 ER25	70	AD	G2.5 @20,000 RPM	£23.00
OM34005		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31046		100	AD	G2.5 @20,000 RPM	£26.00
OM31646		100	AD/B	G2.5 @25,000 RPM	£35.00
OM34007		120	AD	G2.5 @20,000 RPM	£37.00
OM31047		150	AD	G2.5 @20,000 RPM	£45.00
OM31048		160	AD	G2.5 @20,000 RPM	£45.00
OM31647		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31343		200	AD	G2.5 @20,000 RPM	£64.00
OM31648		200	AD/B	G2.5 @25,000 RPM	£79.00
OM31056	BT40 ER32	70	AD	G2.5 @20,000 RPM	£23.00
OM34004		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31051		100	AD	G2.5 @20,000 RPM	£26.00
OM31536		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31052		120	AD	G2.5 @20,000 RPM	£37.00
OM34006		120	AD/B	G2.5 @25,000 RPM	£42.00
OM31053		150	AD	G2.5 @20,000 RPM	£45.00
OM31054		160	AD	G2.5 @20,000 RPM	£45.00
OM31537		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31344		200	AD	G6.3 @15,000 RPM	£79.00
OM31345	BT40 ER40	250	AD	G6.3 @15,000 RPM	£89.00
OM31346		300	AD	G6.3 @15,000 RPM	£99.00
OM31059		80	AD	G2.5 @20,000 RPM	£23.00
OM31649		80	AD/B	G2.5 @25,000 RPM	£32.00
OM31057		100	AD	G2.5 @20,000 RPM	£26.00
OM31650		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31058	BT40 ER50	150	AD	G6.3 @15,000 RPM	£45.00
OM31952		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31060	BT40 ER50	100	AD	G2.5 @20,000 RPM	£59.00



BT50
ER Collet Chucks

- BT MAS403 (JIS 6339)
- Standard Nut Collet Chucks
- ER Collet System
- Wide range of gauge lengths available
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31115	BT50 ER16	70	AD	G6.3 @15,000 RPM	£48.00
OM31777		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31347		100	AD	G6.3 @15,000 RPM	£58.00
OM31778		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31114		150	AD	G6.3 @15,000 RPM	£72.00
OM31779		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31780		200	AD/B	G2.5 @25,000 RPM	£149.00
OM31121	BT50 ER25	80	AD	G6.3 @15,000 RPM	£48.00
OM31781		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31116		100	AD	G6.3 @15,000 RPM	£58.00
OM31782		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31118		150	AD	G6.3 @15,000 RPM	£72.00
OM31119		160	AD	G6.3 @15,000 RPM	£75.00
OM31783		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31784	BT50 ER32	200	AD/B	G2.5 @25,000 RPM	£132.00
OM31785		250	AD/B	G2.5 @25,000 RPM	£149.00
OM31127		70	AD	G6.3 @15,000 RPM	£48.00
OM31128		80	AD	G6.3 @15,000 RPM	£48.00
OM31786		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31122		100	AD	G6.3 @15,000 RPM	£57.00
OM31787		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31123	BT50 ER32	150	AD	G6.3 @15,000 RPM	£72.00
OM31124		160	AD	G6.3 @15,000 RPM	£75.00
OM31788		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31125		200	AD	G6.3 @15,000 RPM	£125.00
OM31789		200	AD/B	G2.5 @25,000 RPM	£132.00
OM31126		250	AD	G6.3 @15,000 RPM	£149.00
OM31790		250	AD/B	G2.5 @25,000 RPM	£165.00
OM31132	BT50 ER40	80	AD	G6.3 @15,000 RPM	£48.00
OM31791		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31348		100	AD	G6.3 @15,000 RPM	£57.00
OM31792		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31129		150	AD	G6.3 @15,000 RPM	£72.00
OM31130		160	AD	G6.3 @15,000 RPM	£75.00
OM31793		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31794	BT50 ER50	200	AD/B	G2.5 @25,000 RPM	£132.00
OM31133		100	AD	G6.3 @15,000 RPM	£79.00
OM31795	BT50 ER50	100	AD/B	G2.5 @25,000 RPM	£89.00



BT40
OZ Collet Chucks

- BT MAS403 (JIS 6339)
- OZ Collet System (DIN6388)
- Balanced G6.3 @ 15,000 RPM
- OZ Collets - Pg. 121
- Spares - Pg. 154-157

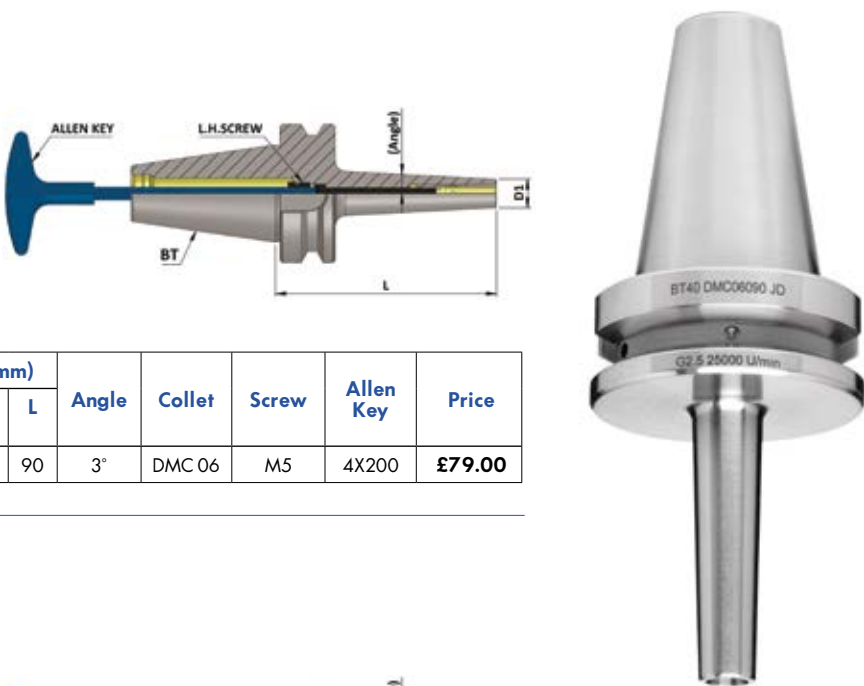
Part Number	Description	Gauge Length (mm)	Form	Price
OM31572	BT40 OZ 25 70	70	AD	£48.00
OM31573	BT40 OZ 32 80	80	AD	£52.00



BT30
DMC Collet Chucks

- BT MAS403 (JIS 6339)
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

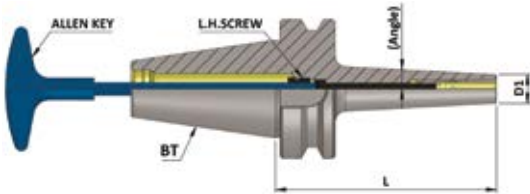
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32290	BT30 DMC 06	3-6	13	90	3°	DMC 06	M5	4X200	£79.00



BT40
DMC Collet Chucks

- BT MAS403 (JIS 6339)
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

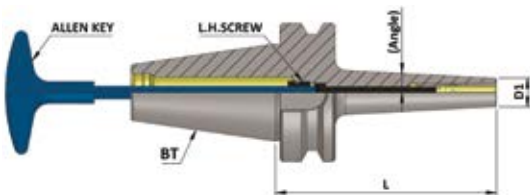
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32291	BT40 DMC 06	3-6	13	60	3°	DMC 06	M5	4X200	£79.00
OM32292		3-6	13	90	3°	DMC 06	M5	4X200	£79.00
OM32293		3-6	13	120	3°	DMC 06	M5	4X200	£89.00
OM32294	BT40 DMC 08	3-6	13	160	3°	DMC 06	M5	4X200	£94.00
OM32295		3-8	22	90	3°	DMC 08	M6	5X200	£79.00
OM32296		3-8	22	120	3°	DMC 08	M6	5X200	£89.00
OM32297	BT40 DMC 10	3-10	28	90	3°	DMC 10	M8	6X200	£79.00
OM32298		3-10	28	120	3°	DMC 10	M8	6X200	£89.00



BT50
DMC Collet Chucks

- BT MAS403 (JIS 6339)
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

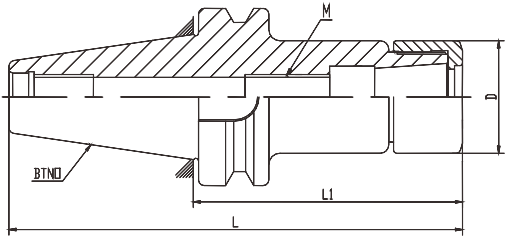
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32325	BT50 DMC 10	3-10	28	150	3	DMC 10	M8	6X200	£119.00



BT30
GSK Collet Chucks

- BT MAS403 (JIS 6339)
- High Accuracy GSK Collet Chucks
- Excellent for use in high speed cutting and very precise milling
- Balanced to G2.5 25,000 RPM
- GSK Collets - Pg. 122-123
- Spares - Pg. 154-157

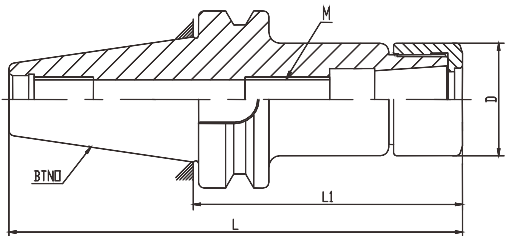
Part Number	Description	Dimensions (mm)			Price
		Gauge Length L1	D	M	
OM30400	BT30 GSK 06	60	19.5	M8 x 1	£65.00
OM30401		90			£65.00
OM30402		120			£75.00
OM30403		150			£85.00
OM30404	BT30 GSK 10	60	27	M11 x 1	£65.00
OM30405		90			£65.00
OM30406	BT30 GSK 16	60	40	M18 x 1.5	£65.00
OM30407		90			£65.00
OM30408	BT30 GSK 25	75	55	M28 x 1.5	£65.00



BT40
GSK Collet Chucks

- BT MAS403 (JIS 6339)
- High Accuracy GSK Collet Chucks
- Excellent for use in high speed cutting and very precise milling
- Balanced to G2.5 25,000 RPM
- GSK Collets - Pg. 122-123
- Spares - Pg. 154-157

Part Number	Description	Dimensions (mm)			Price
		Gauge Length L1	D	M	
OM30415	BT40 GSK 06	60	19.5	M8 x 1	£65.00
OM30409		90			£65.00
OM30475		120			£75.00
OM30410		150			£85.00
OM30411	BT40 GSK 10	60	27	M11 x 1	£65.00
OM30412		90			£65.00
OM30413		120			£75.00
OM30414		150			£85.00
OM30416	BT40 GSK 16	60	40	M18 x 1.5	£65.00
OM30417		90			£65.00
OM30418		120			£75.00
OM30419		150			£85.00
OM30420		200			£105.00
OM30421	BT40 GSK 25	90	55	M28 x 1.5	£75.00
OM30422		120			£92.00
OM30423		150			£98.00



BT30
Hydraulic Expansion Chucks

- BT MAS403 (JIS 6339)
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155

Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32103	BT30 HC12S	12	42	M10	69	40	AD	Fig. 1	£138.00
OM32149		12	42	M10	69	40	AD/B + Cool	Fig. 2	£158.00
OM32104	BT30 HC20S	20	50	M16	90	42	AD	Fig. 1	£138.00
OM32150		20	50	M16	90	42	AD/B + Cool	Fig. 2	£158.00

BT40
Hydraulic Expansion Chucks

- BT MAS403 (JIS 6339)
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155

Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32105	BT40 HC12S	12	42	M10	58	40	AD	Fig. 1	£138.00
OM32151		12	42	M10	58	40	AD/B + Cool	Fig. 2	£178.00
OM32106	BT40 HC20S	20	50	M16	72.5	42	AD	Fig. 1	£138.00
OM32152		20	50	M16	72.5	42	AD/B + Cool	Fig. 2	£178.00

BT50
Hydraulic Expansion Chucks

- BT MAS403 (JIS 6339)
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155

Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32107	BT50 HC12S	12	42	M10	69	40	AD	Fig. 1	£186.00
OM32153		12	42	M10	69	40	AD/B + Cool	Fig. 2	£198.00
OM32108	BT50 HC20S	20	50	M16	83	42	AD	Fig. 1	£186.00
OM32154		20	50	M16	83	42	AD/B + Cool	Fig. 2	£198.00
OM32109	BT50 HC32S	32	72	M16	90	55	AD	Fig. 1	£192.00
OM32155		32	72	M16	90	55	AD/B + Cool	Fig. 2	£208.00

Fig. 1

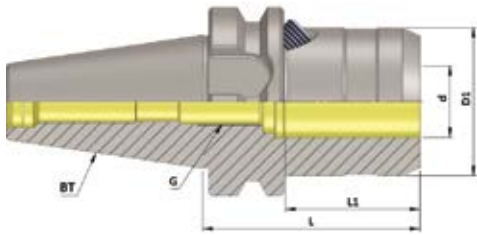
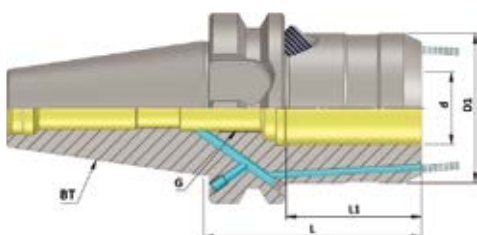


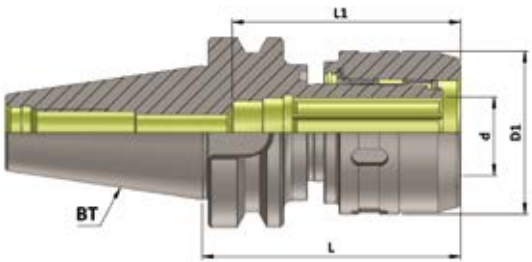
Fig. 2



BT40 & BT50
Premium Power Milling Chucks

- BT MAS403 (JIS 6339)
- High Accuracy <0.005mm
- Power Milling Chucks are subjected to sub-zero treatment (-90° C). This helps prevent any deformation, increasing tool life
- Balanced G6.3 @ 15,000 RPM
- Straight Collets - Pg. 125
- Spares - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		d	D1	L	L1	
OM30797	BT40 UPMC 20	20	54	80	70	£149.00
OM30798	BT40 UPMC 32	32	72	90	100	£159.00
OM30799	BT50 UPMC 20	20	54	105	70	£179.00
OM30915	BT50 UPMC 32	32	72	105	100	£209.00



BT40 & BT50
Power Milling Chucks

- BT MAS403 (JIS 6339)
- Balanced G6.3 @ 12,000 RPM
- Economy chuck for general engineering applications
- Straight Collets - Pg. 124
- Spares - Pg. 157

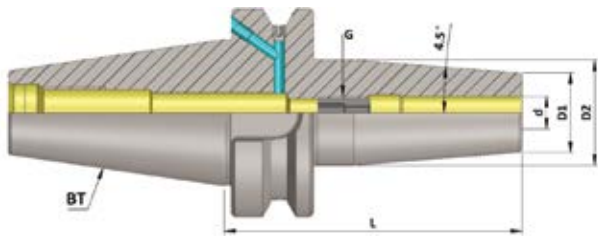
Part Number	Description	Clamping Size (mm)	Gauge Length (mm)	Price
OM31077	BT40 SC20	20	80	£99.00
OM31349	BT40 SC25	25	100	£99.00
OM31350	BT40 SC32	32	105	£99.00
OM31632	BT50 SC25	25	110	£129.00
OM31633	BT50 SC32	32	115	£129.00



BT40 Shrink Fit Chucks

- BT MAS403 (JIS 6339)
- Superior Clamping Strength & Rigidity
- Form AD/B
- 4.5 Degree
- Balanced G2.5 @ 25,000 RPM

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30871	BT40 SF03	3mm	10	20	-	90	£89.00
OM30872			10	20	-	120	£115.00
OM30873			10	20	-	160	£139.00
OM30800	BT40 SF04	4mm	15	22	-	90	£89.00
OM30874			15	22	-	120	£115.00
OM30875			15	22	-	160	£139.00
OM30876	BT40 SF05	5mm	15	22	-	90	£89.00
OM30877			15	22	-	120	£115.00
OM30878			15	22	-	160	£139.00
OM30801	BT40 SF06	6mm	21	27	M5	90	£69.00
OM30802			21	27	M5	120	£89.00
OM30803			21	27	M5	160	£115.00
OM30804	BT40 SF08	8mm	21	27	M6	90	£69.00
OM30805			21	27	M6	120	£89.00
OM30806			21	27	M6	160	£115.00
OM30807	BT40 SF10	10mm	24	31	M8	90	£69.00
OM30808			24	31	M8	120	£89.00
OM30809			24	31	M8	160	£115.00
OM30810	BT40 SF12	12mm	24	31	M10	90	£69.00
OM30811			24	31	M10	120	£89.00
OM30812			24	31	M10	160	£115.00
OM30879	BT40 SF14	14mm	27	34	M10	90	£69.00
OM30880			27	34	M10	120	£89.00
OM30881			27	34	M10	160	£115.00
OM30813	BT40 SF16	16mm	27	34	M12	90	£69.00
OM30814			27	34	M12	120	£89.00
OM30815			27	34	M12	160	£115.00
OM30882	BT40 SF18	18mm	33	40	M12	90	£69.00
OM30883			33	40	M12	120	£89.00
OM30884			33	40	M12	160	£115.00
OM30816	BT40 SF20	20mm	33	40	M16	90	£69.00
OM30817			33	40	M16	120	£89.00
OM30818			33	40	M16	160	£115.00
OM30819	BT40 SF25	25mm	44	53	M16	100	£69.00
OM30820			44	53	M16	120	£89.00
OM30821			44	53	M16	160	£115.00
OM30822	BT40 SF32	32mm	44	53	M16	100	£69.00
OM30885			44	53	M16	120	£89.00
OM30823			44	53	M16	160	£115.00



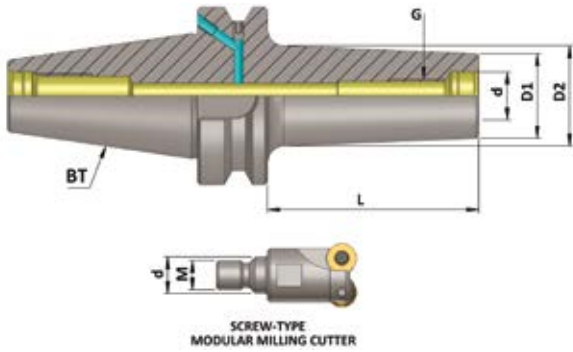
BT40 Milling Cutter Arbors

- BT MAS403 (JIS 6339)
- Arbors for Screw Type Modular Milling Cutters
- Balanced to G2.5 @ 25,000RPM
- Form AD/B

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30916	BT40 MCA 06	6.5	10	13	M6	25	£59.00
OM30917		6.5	10	20		50	£68.00
OM30918		6.5	10	23		75	£74.00
OM30919	BT40 MCA 08	8.5	13	15	M8	25	£59.00
OM30920		8.5	13	23		50	£68.00
OM30921		8.5	13	23		75	£74.00
OM30922	BT40 MCA 10	8.5	13	25	M8	100	£84.00
OM30923		10.5	18	20		25	£59.00
OM30924		10.5	18	23		50	£68.00
OM30925	BT40 MCA 12	10.5	18	28	M10	75	£74.00
OM30926		10.5	18	32		100	£84.00
OM30927		12.5	21	24		25	£59.00
OM30928	BT40 MCA 16	12.5	21	24	M12	50	£68.00
OM30929		12.5	21	31		75	£74.00
OM30930		12.5	21	33		100	£84.00
OM30931	BT40 MCA 16	12.5	21	36	M12	125	£96.00
OM30932		17	29	29		25	£59.00
OM30933		17	29	34		50	£68.00
OM30934	BT40 MCA 16	17	29	34	M16	75	£74.00
OM30935		17	29	36		100	£84.00
OM30936		17	29	40		125	£96.00
OM30937	BT40 MCA 16	17	29	42.5	M16	150	£105.00
OM30938		17	29	42.5		150	£105.00
OM30939		17	29	42.5		150	£105.00

BT40 Parallel Milling Cutter Arbors

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM34702	BT40 MCAP 08	8.5	13.8	13.8	M8	50	£75.00
OM34705	BT40 MCAP 10	10.5	18	18	M10	50	£75.00
OM34706		10.5	18	18		75	£82.00
OM34707		10.5	18	18		100	£93.00
OM34709	BT40 MCAP 12	12.5	21	21	M12	50	£75.00
OM34710		12.5	21	21		75	£82.00
OM34711		12.5	21	21		100	£93.00
OM34713	BT40 MCAP 16	17	29	29	M16	50	£75.00
OM34714		17	29	29		75	£82.00
OM34715		17	29	29		100	£93.00



BT50 Milling Cutter Arbors

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30938	BT50 MCA 08	8.5	13	23	M8	50	£84.00
OM30939		8.5	13	25		100	£104.00
OM30940		8.5	13	30		150	£115.00
OM30941	BT50 MCA 10	10.5	18	23	M10	50	£84.00
OM30942		10.5	18	32		100	£104.00
OM30943		10.5	18	36.5		150	£115.00
OM30944	BT50 MCA 12	12.5	21	24	M12	50	£84.00
OM30945		12.5	21	33		100	£104.00
OM30946		12.5	21	40		150	£115.00
OM30947	BT50 MCA 16	17	29	34	M16	50	£84.00
OM30948		17	29	36		100	£104.00
OM30949		17	29	42.5		150	£115.00

BT30
End Mill Holders

- BT MAS403 (JIS 6339)
- For mounting straight shank tools with weldon flat
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31017	BT30 S/L 06	6mm	50	AD	G2.5 @20,000 RPM	£30.00
OM31018	BT30 S/L 08	8mm	60	AD	G2.5 @20,000 RPM	£30.00
OM31019	BT30 S/L 10	10mm	60	AD	G2.5 @20,000 RPM	£30.00
OM31020	BT30 S/L 12	12mm	63	AD	G2.5 @20,000 RPM	£30.00
OM31021	BT30 S/L 16	16mm	63	AD	G2.5 @20,000 RPM	£30.00
OM31022	BT30 S/L 20	20mm	63	AD	G2.5 @20,000 RPM	£30.00



BT40
End Mill Holders

- BT MAS403 (JIS 6339)
- For mounting straight shank tools with weldon flat
- Wide range of gauge lengths available
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31078	BT40 S/L 06	6mm	50	AD	G2.5 @20,000 RPM	£23.00
OM31651			50	AD/B	G2.5 @25,000 RPM	£32.00
OM31079			100	AD	G2.5 @20,000 RPM	£28.00
OM31652			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31653			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31654			200	AD/B	G6.3 @15,000 RPM	£135.00
OM31080	BT40 S/L 08	8mm	50	AD	G2.5 @20,000 RPM	£23.00
OM31655			50	AD/B	G2.5 @25,000 RPM	£32.00
OM31081			100	AD	G2.5 @20,000 RPM	£28.00
OM31656			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31657			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31658			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31082	BT40 S/L 10	10mm	63	AD	G2.5 @20,000 RPM	£23.00
OM31659			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31083			100	AD	G2.5 @20,000 RPM	£28.00
OM31660			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31661			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31662			200	AD/B	G6.3 @15,000 RPM	£125.00



BT40
End Mill Holders (Continued)

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31084	BT40 S/L 12	12mm	63	AD	G2.5 @20,000 RPM	£23.00
OM31663			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31085			100	AD	G2.5 @20,000 RPM	£28.00
OM31664			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31665			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31666			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31553	BT40 S/L 14	14mm	63	AD	G2.5 @20,000 RPM	£29.00
OM31559			100	AD	G2.5 @20,000 RPM	£32.00
OM31351	BT40 S/L 16	16mm	35	AD	G2.5 @20,000 RPM	£36.00
OM31086			63	AD	G2.5 @20,000 RPM	£23.00
OM31539			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31087			100	AD	G2.5 @20,000 RPM	£28.00
OM31667			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30197			160	AD	G2.5 @20,000 RPM	£46.00
OM31668			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30198			200	AD	G2.5 @20,000 RPM	£98.00
OM31669			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31088	BT40 S/L 18	18mm	63	AD	G2.5 @20,000 RPM	£29.00
OM30199			100	AD	G2.5 @20,000 RPM	£32.00
OM30254			160	AD	G2.5 @20,000 RPM	£49.00
OM31352	BT40 S/L 20	20mm	35	AD	G2.5 @20,000 RPM	£36.00
OM31090			63	AD	G2.5 @20,000 RPM	£23.00
OM31541			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31089			100	AD	G2.5 @20,000 RPM	£28.00
OM31670			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30255			160	AD	G2.5 @20,000 RPM	£46.00
OM31671			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30256			200	AD	G2.5 @20,000 RPM	£98.00
OM31672			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31353	BT40 S/L 25	25mm	35	AD	G2.5 @20,000 RPM	£36.00
OM31093			70	AD	G2.5 @20,000 RPM	£23.00
OM31673			70	AD/B	G2.5 @25,000 RPM	£32.00
OM31094			90	AD	G2.5 @20,000 RPM	£23.00
OM31549			100	AD	G2.5 @20,000 RPM	£23.00
OM31674			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31675			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30781			200	AD	G2.5 @20,000 RPM	£98.00
OM31676			200	AD/B	G6.3 @15,000 RPM	£130.00
OM31354	BT40 S/L 32	32mm	65	AD	G2.5 @20,000 RPM	£36.00
OM31095			100	AD	G2.5 @20,000 RPM	£23.00
OM31677			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31678			160	AD/B	G2.5 @25,000 RPM	£52.00
OM31679	BT40 S/L 40	40mm	200	AD/B	G6.3 @15,000 RPM	£140.00
OM31096			120	AD	G2.5 @20,000 RPM	£34.00



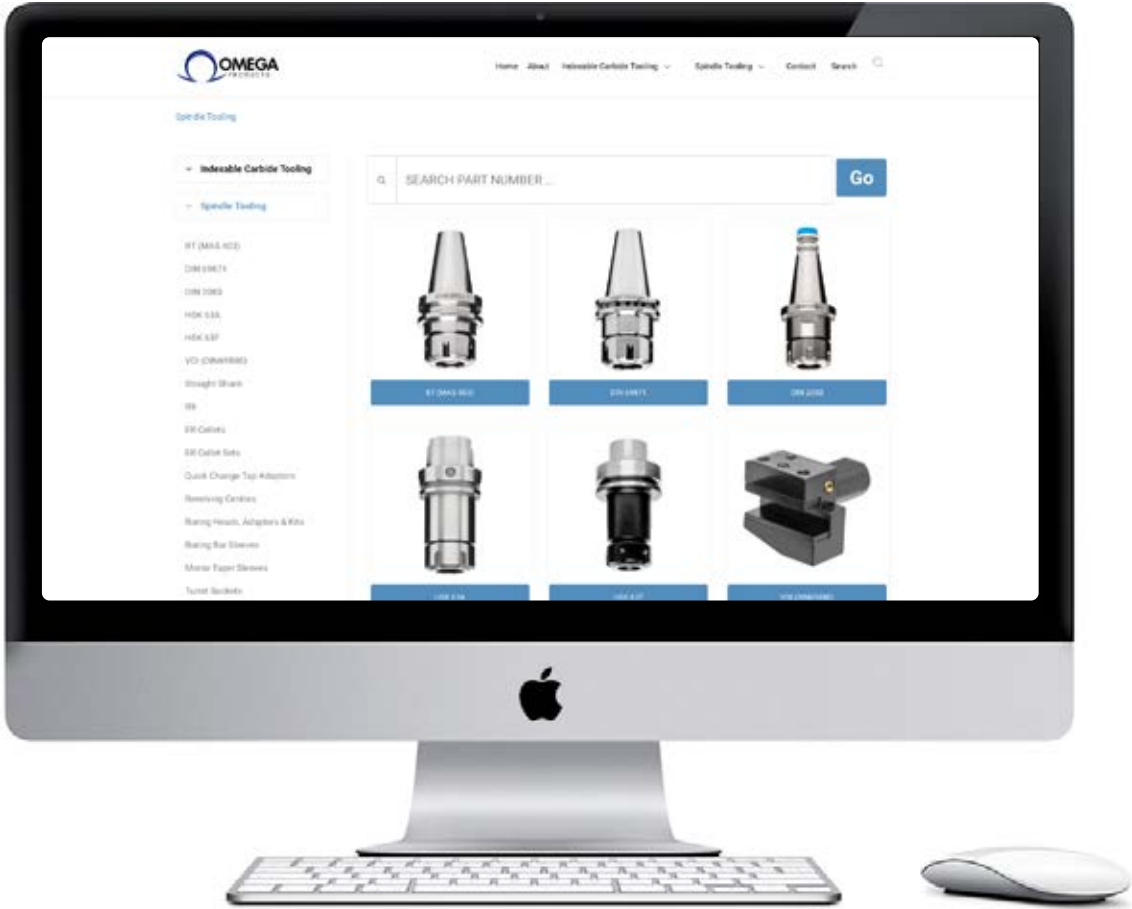
BT50
End Mill Holders

- BT MAS403 (JIS 6339)
- For mounting straight shank tools with weldon flat
- Wide range of gauge lengths available
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31153	BT50 S/L 06	6mm	63	AD	G6.3 @15,000 RPM	£43.00
OM31796			63	AD/B	G2.5 @25,000 RPM	£49.00
OM31797			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31798			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31799			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31154	BT50 S/L 08	8mm	63	AD	G6.3 @15,000 RPM	£43.00
OM31800			63	AD/B	G2.5 @25,000 RPM	£49.00
OM31801			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31802			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31803			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31156	BT50 S/L 10	10mm	63	AD	G6.3 @15,000 RPM	£43.00
OM31804			63	AD/B	G2.5 @25,000 RPM	£49.00
OM31805			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31806			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31807			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31157	BT50 S/L 12	12mm	80	AD	G6.3 @15,000 RPM	£43.00
OM31808			80	AD/B	G2.5 @25,000 RPM	£49.00
OM31809			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31810			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31811			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31159	BT50 S/L 16	16mm	80	AD	G6.3 @15,000 RPM	£43.00
OM31812			80	AD/B	G2.5 @25,000 RPM	£49.00
OM31813			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31814			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31815			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31160	BT50 S/L 20	20mm	80	AD	G6.3 @15,000 RPM	£43.00
OM31816			80	AD/B	G2.5 @25,000 RPM	£49.00
OM31817			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31818			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31819			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31162	BT50 S/L 25	25mm	100	AD	G6.3 @15,000 RPM	£43.00
OM31820			100	AD/B	G2.5 @25,000 RPM	£65.00
OM31163			150	AD	G6.3 @15,000 RPM	£72.00
OM31821			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31822			200	AD/B	G6.3 @15,000 RPM	£159.00
OM31164	BT50 S/L 32	32mm	100	AD	G6.3 @15,000 RPM	£43.00
OM31823			100	AD/B	G2.5 @25,000 RPM	£65.00
OM31165			150	AD	G6.3 @15,000 RPM	£75.00
OM31824			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31825			200	AD/B	G6.3 @15,000 RPM	£199.00
OM31167	BT50 S/L 40	40mm	110	AD	G6.3 @15,000 RPM	£48.00
OM31826			110	AD/B	G2.5 @25,000 RPM	£65.00
OM31827			160	AD/B	G6.3 @15,000 RPM	£125.00
OM31828			200	AD/B	G6.3 @15,000 RPM	£239.00
OM30187	BT50 S/L 50	50mm	120	AD	G6.3 @15,000 RPM	£125.00
OM31916			125	AD/B	G6.3 @15,000 RPM	£179.00



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BT30
Face Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mill Cutters

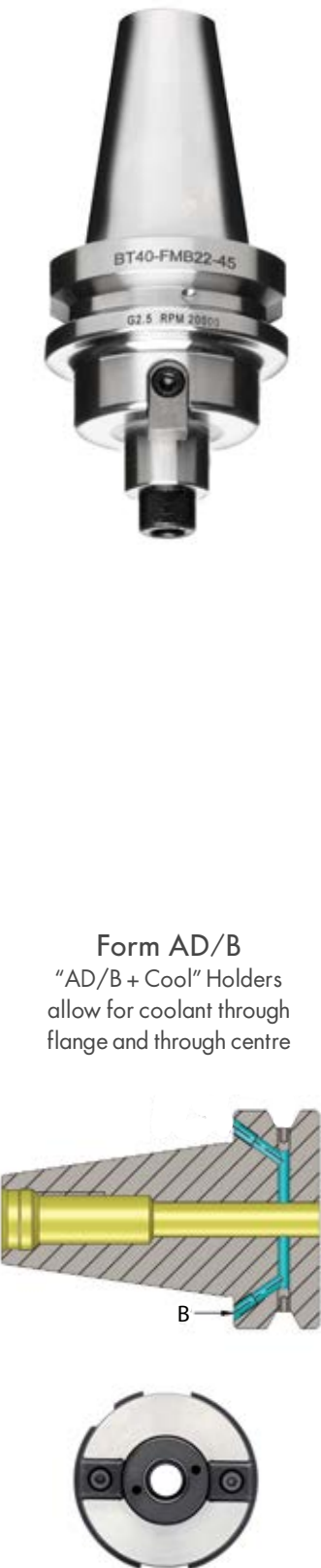
Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Balance	Price
OM31979	BT30 FMB 16	16mm	40	AD	G2.5 @20,000 RPM	£32.00
OM31009	BT30 FMB 22	22mm	40	AD	G2.5 @20,000 RPM	£32.00
OM31011	BT30 FMB 27	27mm	45	AD	G2.5 @20,000 RPM	£32.00
OM31012	BT30 FMB 32	32mm	45	AD	G2.5 @20,000 RPM	£32.00



BT40
Face Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mill Cutters
- Wide range of gauge lengths available
- “AD/B + Cool” Holders allow for coolant through flange and through centre

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Balance	Price
OM31063	BT40 FMB 16	16mm	45	AD	G6.3 @15,000 RPM	£28.00
OM31680			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31062			100	AD	G6.3 @15,000 RPM	£39.00
OM31681			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31355			160	AD	G6.3 @15,000 RPM	£69.00
OM31682			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM30193			200	AD	G6.3 @15,000 RPM	£98.00
OM31683			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31065	BT40 FMB 22	22mm	45	AD	G6.3 @15,000 RPM	£28.00
OM31684			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31064			100	AD	G6.3 @15,000 RPM	£39.00
OM31685			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31356			160	AD	G6.3 @15,000 RPM	£69.00
OM31686			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM31634			200	AD	G6.3 @15,000 RPM	£98.00
OM31687			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM30194	BT40 FMB 27	27mm	250	AD	G6.3 @15,000 RPM	£125.00
OM30195			300	AD	G6.3 @15,000 RPM	£135.00
OM31067			45	AD	G6.3 @15,000 RPM	£28.00
OM31688			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31066			100	AD	G6.3 @15,000 RPM	£39.00
OM31689			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31357			160	AD	G6.3 @15,000 RPM	£69.00
OM31690			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM30783	BT40 FMB 32	32mm	200	AD	G6.3 @15,000 RPM	£98.00
OM31691			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM30784			250	AD	G6.3 @15,000 RPM	£125.00
OM30196			300	AD	G6.3 @15,000 RPM	£135.00
OM31068			45	AD	G6.3 @15,000 RPM	£28.00
OM31692			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31693			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31694			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM31695	BT40 FMB 40	40mm	200	AD/B + Cool	G6.3 @15,000 RPM	£170.00
OM31070			60	AD	G6.3 @15,000 RPM	£36.00
OM31696			60	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31697			100	AD/B + Cool	G2.5 @25,000 RPM	£52.00
OM31698			160	AD/B + Cool	G6.3 @15,000 RPM	£155.00
OM31699			200	AD/B + Cool	G6.3 @15,000 RPM	£185.00



Form AD/B
“AD/B + Cool” Holders
allow for coolant through
flange and through centre

BT50
Face Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mill Cutters
- Wide range of gauge lengths available
- “AD/B + Cool” Holders allow for coolant through flange and through centre

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Balance	Price
OM31829	BT50 FMB 16	16mm	45	AD/B + Cool	G2.5 @25,000 RPM	£56.00
OM31830			100	AD/B + Cool	G2.5 @25,000 RPM	£68.00
OM31831			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31832			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31833			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31834			300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31835			350	AD/B + Cool	G6.3 @15,000 RPM	£329.00
OM31137	BT50 FMB 22	22mm	45	AD	G6.3 @15,000 RPM	£46.00
OM31836			45	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31135			100	AD	G6.3 @15,000 RPM	£58.00
OM31837			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31136			150	AD	G6.3 @15,000 RPM	£82.00
OM31838			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31839			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31840			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31841	BT50 FMB 27	27mm	300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31842			350	AD/B + Cool	G6.3 @15,000 RPM	£329.00
OM31140			50	AD	G6.3 @15,000 RPM	£46.00
OM31843			50	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31141			60	AD	G6.3 @15,000 RPM	£46.00
OM31138			100	AD	G6.3 @15,000 RPM	£58.00
OM31844			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31139			150	AD	G6.3 @15,000 RPM	£82.00
OM31845	BT50 FMB 32	32mm	160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31846			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31847			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31848			300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31849			350	AD/B + Cool	G6.3 @15,000 RPM	£329.00
OM31143			50	AD	G6.3 @15,000 RPM	£46.00
OM31850			50	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31144			60	AD	G6.3 @15,000 RPM	£46.00
OM31142	BT50 FMB 40	40mm	100	AD	G6.3 @15,000 RPM	£58.00
OM31851			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31852			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31853			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31854			250	AD/B + Cool	G6.3 @15,000 RPM	£235.00
OM31855			300	AD/B + Cool	G6.3 @15,000 RPM	£285.00
OM31856			350	AD/B + Cool	G6.3 @15,000 RPM	£349.00
OM31146			50	AD	G6.3 @15,000 RPM	£46.00
OM31857	BT50 FMB 40	40mm	50	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31145			100	AD	G6.3 @15,000 RPM	£58.00
OM31858			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31859			160	AD/B + Cool	G6.3 @15,000 RPM	£149.00
OM31860			200	AD/B + Cool	G6.3 @15,000 RPM	£189.00
OM31861			250	AD/B + Cool	G6.3 @15,000 RPM	£275.00
OM31862			300	AD/B + Cool	G6.3 @15,000 RPM	£340.00
OM31863			350	AD/B + Cool	G6.3 @15,000 RPM	£395.00



Form AD/B
“AD/B + Cool” Holders
allow for coolant through
flange and through centre

BT30
Combi Shell Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mills & Side/Face Cutters
- Balanced G6.3 @ 15,000 RPM

Part Number	Description	Spigot Size	Gauge Length (mm)	Price
OM31001	BT30 COMBI 16	16mm	55	£32.00
OM31002	BT30 COMBI 22	22mm	55	£32.00
OM31003	BT30 COMBI 27	27mm	55	£32.00



BT40
Combi Shell Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mills & Side/Face Cutters
- Balanced G6.3 @ 15,000 RPM

Part Number	Description	Spigot Size	Gauge Length (mm)	Price
OM31031	BT40 COMBI 16	16mm	55	£32.00
OM31030			100	£44.00
OM31033	BT40 COMBI 22	22mm	55	£32.00
OM31032			100	£44.00
OM31035	BT40 COMBI 27	27mm	55	£32.00
OM31034			100	£44.00
OM31036	BT40 COMBI 32	32mm	60	£32.00
OM31037	BT40 COMBI 40	40mm	60	£38.00



BT50
Combi Shell Mill Arbors

- BT MAS403 (JIS 6339)
- For Mounting Face Mills & Side/Face Cutters
- Balanced G6.3 @ 15,000 RPM

Part Number	Description	Spigot Size	Gauge Length (mm)	Price
OM31104	BT50 COMBI 16	16mm	70	£56.00
OM31105	BT50 COMBI 22	22mm	70	£56.00
OM31108	BT50 COMBI 27	27mm	75	£56.00
OM31110	BT50 COMBI 32	32mm	75	£56.00
OM31113	BT50 COMBI 40	40mm	75	£56.00



BT30
Morse Taper Adaptors

- BT MAS403 (JIS 6339)
- For Tools with Morse Taper Shank & Tang
- Balanced G2.5 @ 20,000 RPM

Part Number	Description	Gauge Length (mm)	Form	Price
OM31014	BT30 MTA 1	45	AD	£32.00
OM31015	BT30 MTA 2	60	AD	£32.00
OM31016	BT30 MTA 3	80	AD	£32.00



BT40
Morse Taper Adaptors

- BT MAS403 (JIS 6339)
- For Tools with Morse Taper Shank & Tang
- Balanced G2.5 @ 20,000 RPM

Part Number	Description	Gauge Length (mm)	Form	Price
OM31073	BT40 MTA 1	50	AD	£28.00
OM31074	BT40 MTA 2	50	AD	£28.00
OM31075	BT40 MTA 3	70	AD	£28.00
OM31076	BT40 MTA 4	90	AD	£28.00



BT50
Morse Taper Adaptors

- BT MAS403 (JIS 6339)
- For Tools with Morse Taper Shank & Tang
- Balanced G6.3 @ 15,000 RPM

Part Number	Description	Gauge Length (mm)	Form	Price
OM31148	BT50 MTA 1	45	AD	£52.00
OM31149	BT50 MTA 2	50	AD	£52.00
OM31150	BT50 MTA 3	65	AD	£52.00
OM31151	BT50 MTA 4	95	AD	£52.00
OM31152	BT50 MTA 5	105	AD	£57.00



BT40
Morse Taper Adaptors with Drawbar Thread

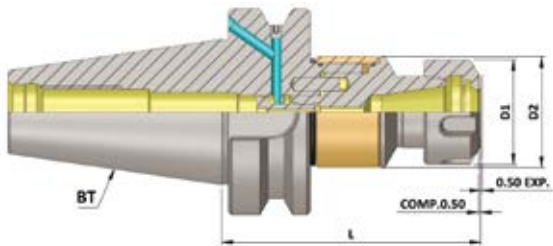
- BT MAS403 (JIS 6339)
- For Tools with Morse Taper & Drawbar Thread
- G6.3 @ 15,000 RPM
- Includes internal cap head bolt to retain tool

Part Number	Description	Gauge Length (mm)	Price
OM30269	BT40 MTB 1	45	£42.00
OM30270	BT40 MTB 2	60	£42.00
OM30271	BT40 MTB 3	75	£42.00
OM30272	BT40 MTB 4	100	£42.00



BT30, BT40 & BT50
Synchro Tapping Chucks

- BT MAS403 (JIS 6339)
- Minimum Length Compensation Tapping Chucks
- +/-0.5mm Compression & Expansion
- High Concentricity Enables High Speed Tapping
- Recommended for use with QCTC Type Collets
- QCTC Collets - Pg. 126-131
- Spares - Pg. 154-157



BT30

Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Form	Dimensions (mm)					Price
						D1	D2	L	Comp.	Exp.	
OM32382	BT30 ER16 MLC	M3-M12	1-10	ER16	AD	32	34	79	0.5	0.5	£139.00
OM32383	BT30 ER20 MLC	M3-M16	3.5-10	ER20	AD	35	34	80	0.5	0.5	£139.00

BT40

Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Form	Dimensions (mm)					Price
						D1	D2	L	Comp.	Exp.	
OM32384	BT40 ER16 MLC	M3-M12	1-10	ER16	AD/B	32	34	79	0.5	0.5	£129.00
OM32385	BT40 ER20 MLC	M3-M16	3.5-10	ER20	AD/B	35	34	85	0.5	0.5	£139.00
OM32386	BT40 ER25 MLC	M3-M20	3.5-16	ER25	AD/B	42	34	89	0.5	0.5	£139.00
OM32418	BT40 ER32 MLC	M4-M27	3.5-20	ER32	AD/B	50	45	110	0.5	0.5	£143.00
OM32433	BT40 ER40 MLC	M6-M33	6-26	ER40	AD/B	63	62	115	0.5	0.5	£149.00

BT50

Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Form	Dimensions (mm)					Price
						D1	D2	L	Comp.	Exp.	
OM32434	BT50 ER16 MLC	M3-M12	1-10	ER16	AD/B	32	34	95	0.5	0.5	£158.00
OM32435	BT50 ER20 MLC	M3-M16	3.5-10	ER20	AD/B	35	34	100	0.5	0.5	£169.00
OM32436	BT50 ER25 MLC	M3-M20	3.5-16	ER25	AD/B	42	34	110	0.5	0.5	£169.00
OM32437	BT50 ER32 MLC	M4-M27	3.5-20	ER32	AD/B	50	45	120	0.5	0.5	£176.00
OM32438	BT50 ER40 MLC	M6-M33	6-26	ER40	AD/B	63	62	120	0.5	0.5	£182.00



BT40
Quick Change Tapping Chucks

- BT MAS403 (JIS 6339)
- Axial Length Compensation
- With Tension & Compression
- Quick change tap adaptors available in 3 sizes
- QC Tap Adaptors - Pg. 132-133

Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31097	BT40 Size 1 (TC312-65)	65	M3 - M12	£119.00
OM31098	BT40 Size 2 (TC820-93)	93	M6 - M20	£129.00
OM31385	BT40 Size 3 (TC1433-142)	142	M14 - M36	£195.00



BT50
Quick Change Tapping Chucks

- BT MAS403 (JIS 6339)
- Axial Length Compensation
- With Tension & Compression
- Quick change tap adaptors available in 3 sizes
- QC Tap Adaptors - Pg. 132-133

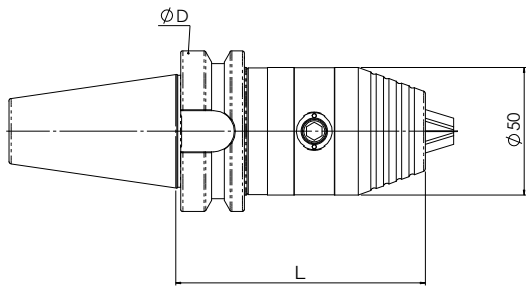
Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31386	BT50 Size 1 (TC312-100)	100	M3 - M12	£159.00
OM31387	BT50 Size 2 (TC820-100)	100	M6 - M20	£179.00
OM31388	BT50 Size 3 (TC1433-142)	142	M14 - M36	£265.00



BT Hex Key
Drill Chucks

- BT MAS403 (JIS 6339)
- Premium Drill Chuck, Accuracy <0.05mm
- Strong Clamping Force in both clockwise & anti-clockwise operations
- Increased wear-resistance with Titanium Jaws
- Spare Hex Key - Pg. 157

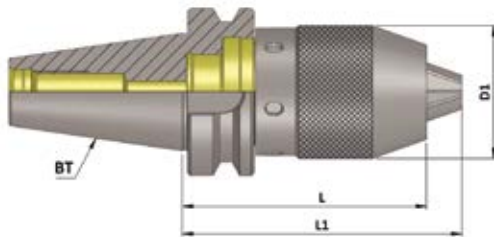
Part Number	Description	Capacity (mm)	L	D	Price
OM33658	BT40 GHK 13-98	0.3-13	98	63	£149.00
OM33659	BT40 GHK 16-103	1.5-16	103	63	£156.00
OM33660	BT50 GHK 13-109	0.3-13	109	100	£179.00
OM33661	BT50 GHK 16-114	1.5-16	114	100	£194.00



BT NCDC Drill Chucks
Drill Chucks

- BT MAS403 (JIS 6339)
- High Accuracy Drill Chuck, Accuracy <0.05mm
- Maximum Rigidity
- NCDC Spanner - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		Capacity	D1	L	L1	
OM33652	BT30 NCDC 1-13mm	1-13mm	50	112.5	125	£107.00
OM33653	BT40 NCDC 1-13mm	1-13mm	50	92.5	105	£109.00
OM33654	BT50 NCDC 1-13mm	1-13mm	50	107.5	120	£172.00



BT APU Drill Chucks
Integral Keyless Drill Chucks

- BT MAS403 (JIS 6339)
- Economy drill chuck for general engineering applications
- APU Spanner - Pg. 157

Part Number	Description	Gauge Length (mm)	Capacity	Price
OM31000	BT30 APU13 1-13mm	110	1-13mm	£85.00
OM31026	BT40 APU13 1-13mm	100	1-13mm	£79.00
OM31028	BT40 APU16 3-16mm	120	3-16mm	£79.00
OM31100	BT50 APU13 1-13mm	100	1-13mm	£99.00
OM31101	BT50 APU16 3-16mm	120	3-16mm	£99.00



BT30
Drill Chuck Adaptors

- BT MAS403 (JIS 6339)
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Balance	Price
OM31013	BT30 JT6	G6.3 @ 12,000 RPM	£29.00
OM31532	BT30 B16	G6.3 @ 12,000 RPM	£29.00



BT40
Drill Chuck Adaptors

- BT MAS403 (JIS 6339)
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Balance	Price
OM31072	BT40 JT6	G6.3 @ 12,000 RPM	£29.00
OM31029	BT40 B16	G6.3 @ 12,000 RPM	£29.00



BT50
Drill Chuck Adaptors

- BT MAS403 (JIS 6339)
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Balance	Price
OM31147	BT50 JT6	G6.3 @ 12,000 RPM	£49.00
OM31533	BT50 B16	G6.3 @ 12,000 RPM	£49.00



BT40

Machinable Boring Bar Blank

- BT MAS403 (JIS 6339)
- Machinable Boring Bar Blank

Part Number	Description	Diameter (mm)	Gauge Length (mm)	Price
OM30291	BT40 BLANK 63 250	63	250	£79.00

BT50

Machinable Boring Bar Blank

- BT MAS403 (JIS 6339)
- Machinable Boring Bar Blank

Part Number	Description	Diameter (mm)	Gauge Length (mm)	Price
OM30292	BT50 BLANK 97 315	97	315	£148.00

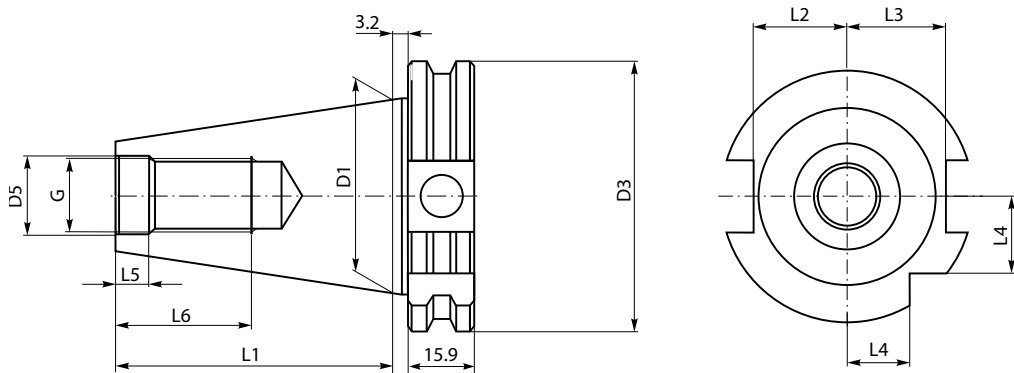


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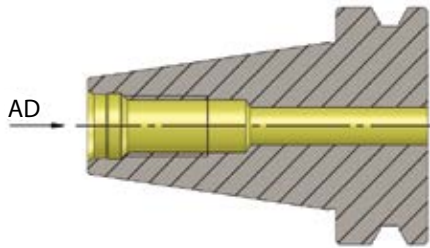
TECHNICAL SPECIFICATION

- Manufactured with Casehardening Steel
- Surface Hardened HRC 60+-2
- Hardening Depth 0.8mm+-0.2mm
- Taper Angle Tolerance AT3

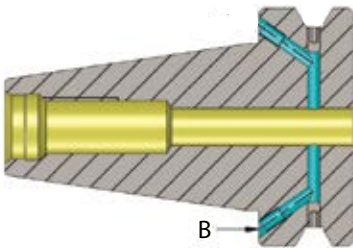


Taper	D1	G	D5	D3	L1	L2	L3	L4	L5	L6
30	31.75	M12	12.5	50.00	47.80	16.4	19.0	15.0	5.5	24
40	44.45	M16	17.0	63.55	68.40	22.8	25.0	18.5	8.2	32
50	69.85	M24	25.0	97.50	101.75	35.5	37.7	30.0	11.5	47

Form AD
Through Spindle Coolant



Form AD/B
Through Spindle Coolant &
Through Flange Coolant



DV40 Mini ER Collet Chucks

- DIN 69871
 - MINI Nut ER Collet Chucks
 - Slimline Extended Mini Chucks
- ER Collets - Pg. 100
 - Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM30285	DV40 ER11 MINI	70	AD	G2.5 @20,000 RPM	£36.00
OM31700		70	AD/B	G2.5 @25,000 RPM	£42.00
OM31550		100	AD	G6.3 @15,000 RPM	£36.00
OM31701		100	AD/B	G2.5 @25,000 RPM	£42.00
OM31702		160	AD/B	G2.5 @25,000 RPM	£68.00
OM30286	DV40 ER16 MINI	70	AD	G2.5 @20,000 RPM	£36.00
OM31703		70	AD/B	G2.5 @25,000 RPM	£42.00
OM31551		100	AD	G6.3 @15,000 RPM	£36.00
OM31704		100	AD/B	G2.5 @25,000 RPM	£42.00
OM31705		160	AD/B	G2.5 @25,000 RPM	£38.00
OM30288		200	AD	G2.5 @20,000 RPM	£89.00



DV40 Short ER Short Collet Chucks

- DIN 69871
 - Very Short for maximum rigidity
- ER32 Collets - Pg. 104
 - Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM30295	DV40 N ER32 SHORT	35	AD	G2.5 @25,000 RPM	£49.00



DV30 ER Collet Chucks

- DIN 69871
 - Standard Nut Collet Chucks
 - ER Collet System
- ER Collets - Pg. 101-105
 - Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM30299	DV30 ER16	70	AD	G2.5 @20,000 RPM	£36.00
OM30468	DV30 ER25	70	AD	G2.5 @20,000 RPM	£36.00
OM30309	DV30 ER32	70	AD	G2.5 @20,000 RPM	£36.00



DV40 ER Collet Chucks

- DIN 69871
 - Standard Nut Collet Chucks
 - ER Collet System
 - Wide range of gauge lengths available
- ER Collets - Pg. 101-106
 - Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31180	DV40 ER16	70	AD	G2.5 @20,000 RPM	£23.00
OM31706		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31179		100	AD	G2.5 @20,000 RPM	£26.00
OM31707		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31708		120	AD/B	G2.5 @25,000 RPM	£42.00
OM31447		160	AD	G2.5 @20,000 RPM	£45.00
OM31709		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31710		200	AD/B	G2.5 @25,000 RPM	£79.00
OM31568	DV40 ER20	70	AD	G6.3 @15,000 RPM	£23.00
OM31569		100	AD	G6.3 @15,000 RPM	£26.00
OM31570		160	AD	G6.3 @15,000 RPM	£49.00
OM31184	DV40 ER25	70	AD	G2.5 @20,000 RPM	£23.00
OM31711		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31181		100	AD	G2.5 @20,000 RPM	£26.00
OM31712		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31713		120	AD/B	G2.5 @25,000 RPM	£42.00
OM31182		150	AD	G2.5 @20,000 RPM	£45.00
OM31714		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31715		200	AD/B	G2.5 @25,000 RPM	£79.00
OM31188	DV40 ER32	70	AD	G2.5 @20,000 RPM	£23.00
OM31716		70	AD/B	G2.5 @25,000 RPM	£32.00
OM31185		100	AD	G2.5 @20,000 RPM	£26.00
OM31717		100	AD/B	G2.5 @25,000 RPM	£35.00
OM31718		120	AD/B	G2.5 @25,000 RPM	£42.00
OM31186		150	AD	G2.5 @20,000 RPM	£45.00
OM31187		160	AD	G2.5 @20,000 RPM	£45.00
OM31719		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31478		200	AD	G2.5 @20,000 RPM	£79.00
OM31720		200	AD/B	G2.5 @25,000 RPM	£84.00
OM31721	DV40 ER40	250	AD/B	G2.5 @25,000 RPM	£89.00
OM31722		300	AD/B	G2.5 @25,000 RPM	£99.00
OM31191		80	AD	G2.5 @20,000 RPM	£23.00
OM31723		80	AD/B	G2.5 @25,000 RPM	£32.00
OM31724	DV40 ER50	100	AD/B	G2.5 @25,000 RPM	£35.00
OM31725		160	AD/B	G2.5 @25,000 RPM	£53.00
OM31726		100	AD/B	G2.5 @25,000 RPM	£59.00



DV50
ER Collet Chucks

- DIN 69871
 - Standard Nut Collet Chucks
 - ER Collet System
 - Wide range of gauge lengths available
- ER Collets - Pg. 101-106
 - Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31232	DV50 ER16	70	AD	G6.3 @15,000 RPM	£48.00
OM31864		70	AD/B	G2.5 @25,000 RPM	£57.00
OM31479		100	AD	G6.3 @15,000 RPM	£58.00
OM31865		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31481		160	AD	G6.3 @15,000 RPM	£75.00
OM31866		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31867	DV50 ER25	200	AD/B	G2.5 @25,000 RPM	£149.00
OM31235		70	AD	G6.3 @15,000 RPM	£48.00
OM31868		70	AD/B	G2.5 @25,000 RPM	£57.00
OM31471		100	AD	G6.3 @15,000 RPM	£58.00
OM31869		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31233		160	AD	G6.3 @15,000 RPM	£75.00
OM31870	DV50 ER32	160	AD/B	G2.5 @25,000 RPM	£84.00
OM31473		200	AD	G6.3 @15,000 RPM	£125.00
OM31871		200	AD/B	G2.5 @25,000 RPM	£132.00
OM31872		250	AD/B	G2.5 @25,000 RPM	£149.00
OM31237		80	AD	G6.3 @15,000 RPM	£48.00
OM31873		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31450	DV50 ER40	100	AD	G6.3 @15,000 RPM	£58.00
OM31874		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31236		160	AD	G6.3 @15,000 RPM	£75.00
OM31875		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31474		200	AD	G6.3 @15,000 RPM	£125.00
OM31876		200	AD/B	G2.5 @25,000 RPM	£132.00
OM31877	DV50 ER50	250	AD/B	G2.5 @25,000 RPM	£149.00
OM31238		80	AD	G6.3 @15,000 RPM	£48.00
OM31878		80	AD/B	G2.5 @25,000 RPM	£57.00
OM31475		100	AD	G6.3 @15,000 RPM	£58.00
OM31879		100	AD/B	G2.5 @25,000 RPM	£67.00
OM31880		160	AD/B	G2.5 @25,000 RPM	£84.00
OM31881	DV50 ER50	200	AD/B	G2.5 @25,000 RPM	£132.00
OM31882		100	AD/B	G2.5 @25,000 RPM	£89.00



DV40
OZ Collet Chucks

- DIN 69871
 - OZ Collet System (DIN6388)
 - Balanced G6.3 @ 15,000 RPM
 - OZ Collets - Pg. 121
 - Spares - Pg. 154-157

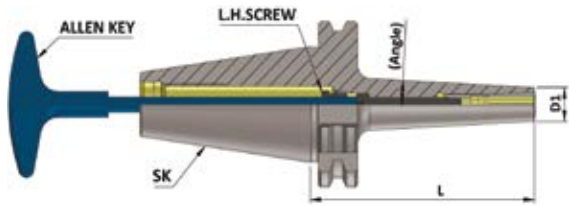
Part Number	Description	Gauge Length (mm)	Form	Price
OM30289	DV40 OZ 25	80	AD	£48.00
OM30290	DV40 OZ 32	90	AD	£57.00



DV40
DMC Collet Chucks

- DIN69871
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

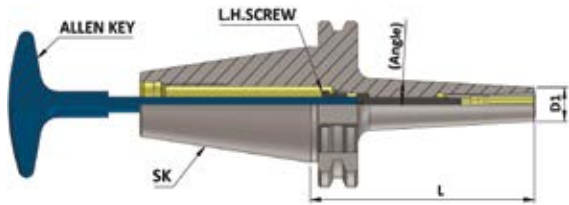
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32357	DV40 DMC 06	3-6	13	60	3°	DMC 06	M5	4X200	£79.00
OM32358		3-6	13	90	3°	DMC 06	M5	4X200	£79.00
OM32359		3-6	13	120	3°	DMC 06	M5	4X200	£89.00
OM32360		3-6	13	160	3°	DMC 06	M5	4X200	£94.00
OM32361		3-8	22	90	3°	DMC 08	M6	5X200	£79.00
OM32362	DV40 DMC 08	3-8	22	120	3°	DMC 08	M6	5X200	£89.00
OM32363		3-8	22	160	3°	DMC 08	M6	5X200	£94.00
OM32364	DV40 DMC 10	3-10	28	90	3°	DMC 10	M8	6X200	£79.00
OM32365		3-10	28	120	3°	DMC 10	M8	6X200	£89.00



DV50
DMC Collet Chucks

- DIN69871
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

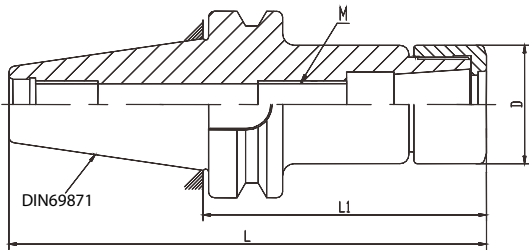
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32366	DV50 DMC 10	3-10	28	150	3°	DMC 10	M8	6X200	£119.00



DV40
GSK Collet Chucks

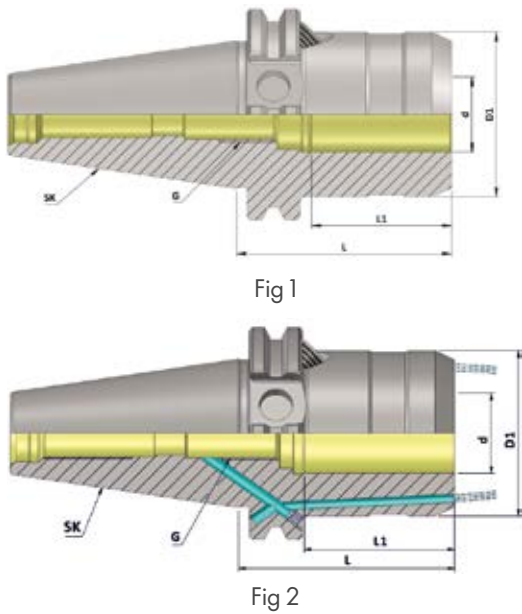
- DIN69871
- High Accuracy GSK Collet Chucks
- Excellent for use in high speed cutting and very precise milling
- Balanced to G2.5 25,000 RPM
- GSK Collets - Pg. 122-123
- Spares - Pg. 154-157

Part Number	Description	Dimensions (mm)			Price
		Gauge Length L1	D	M	
OM30449	DV40 GSK 06	60	19.5	M8 x 1	£65.00
OM30443		90			£65.00
OM30498		120			£75.00
OM30444		150			£85.00
OM30445	DV40 GSK 10	60	27	M11 x 1	£65.00
OM30446		90			£65.00
OM30447		120			£75.00
OM30448		150			£85.00
OM30450	DV40 GSK 16	60	40	M18 x 1.5	£65.00
OM30451		90			£65.00
OM30452		120			£75.00
OM30453		150			£85.00
OM30454		200			£105.00
OM30455	DV40 GSK 25	90	55	M28 x 1.5	£75.00
OM30456		120			£92.00
OM30457		150			£98.00



DV40 Hydraulic Expansion Chucks

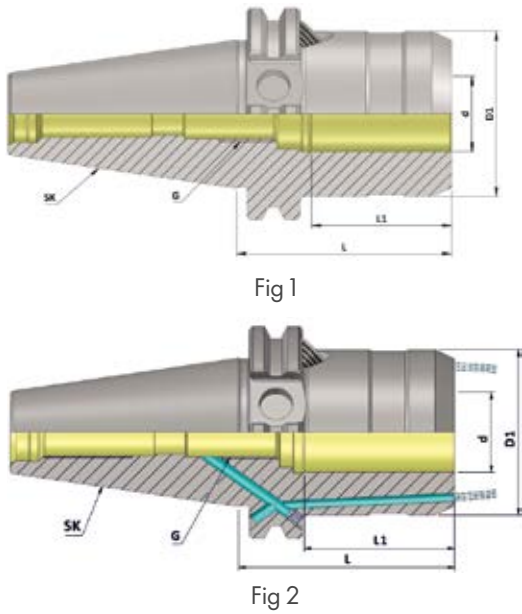
- DIN69871
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155



Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32156	DV40 HC12S	12	42	M10	50	40	AD	Fig. 1	£138.00
OM32161		12	42	M10	50	40	AD/B + Cool	Fig. 2	£178.00
OM32157	DV40 HC20S	20	50	M16	64.5	42	AD	Fig. 1	£138.00
OM32162		20	50	M16	64.5	42	AD/B + Cool	Fig. 2	£178.00

DV50 Hydraulic Expansion Chucks

- DIN69871
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155



Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32158	DV50 HC12S	12	42	M10	50.5	40	AD	Fig.1	£186.00
OM32163		12	42	M10	50	40	AD/B + Cool	Fig. 2	£198.00
OM32159	DV50 HC20S	20	50	M16	64.5	42	AD	Fig.1	£186.00
OM32164		20	50	M16	64.5	42	AD/B + Cool	Fig. 2	£198.00
OM32160	DV50 HC32S	32	72	M16	81	55	AD	Fig.1	£192.00
OM32165		32	72	M16	81	55	AD/B + Cool	Fig. 2	£208.00

DV40 & DV50 Premium Power Milling Chucks

- DIN 69871
- High Accuracy <0.005mm
- Power Milling Chucks are subjected to sub-zero treatment (-90° C). This helps prevent any deformation, increasing tool life
- Balanced G6.3 @ 15,000 RPM
- Straight Collets - Pg. 125
- Spares - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		d	D1	L	L1	
OM31091	DV40 UPMC 20	20	54	105	70	£149.00
OM31092	DV40 UPMC 32	32	72	105	70	£159.00
OM31189	DV50 UPMC 20	20	54	105	100	£179.00
OM31190	DV50 UPMC 32	32	72	105	100	£209.00



DV40 & DV50 Power Milling Chucks

- DIN 69871
- Economy chuck for general engineering applications
- Straight Collets - Pg. 124
- Spares - Pg. 157

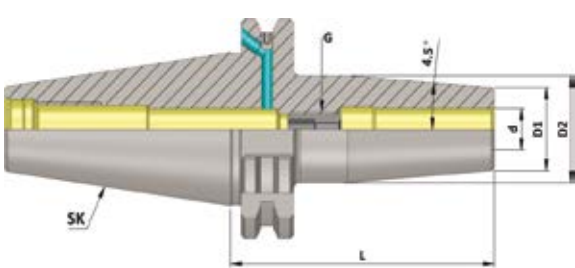
Part Number	Description	Clamping Size (mm)	Gauge Length (mm)	Price
OM31389	DV40 SC 20mm	20	80	£99.00
OM31390	DV40 SC 25mm	25	90	£99.00
OM31391	DV40 SC 32mm	32	105	£99.00
OM30296	DV50 SC 25mm	25	110	£129.00
OM30297	DV50 SC 32mm	32	110	£129.00



DV40
Shrink Fit Chucks

- DIN 69871
- Superior Clamping Strength & Rigidity
- Form AD/B
- 4.5 Degree
- Balanced G2.5 @ 25,000 RPM

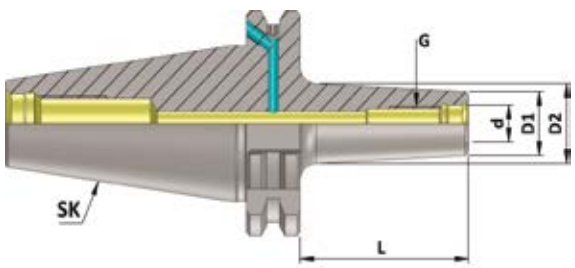
Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30886	DV40 SF03	3mm	10	20	-	80	£89.00
OM30887			10	20	-	120	£115.00
OM30888			10	20	-	160	£139.00
OM30824	DV40 SF04	4mm	15	22	-	80	£89.00
OM30889			15	22	-	120	£115.00
OM30890			15	22	-	160	£139.00
OM30891	DV40 SF05	5mm	15	22	-	80	£89.00
OM30892			15	22	-	120	£115.00
OM30893			15	22	-	160	£139.00
OM30825	DV40 SF06	6mm	21	27	M5	80	£69.00
OM30826			21	27	M5	120	£89.00
OM30827			21	27	M5	160	£115.00
OM30828	DV40 SF08	8mm	21	27	M6	80	£69.00
OM30829			21	27	M6	120	£89.00
OM30830			21	27	M6	160	£115.00
OM30831	DV40 SF10	10mm	24	31	M8	80	£69.00
OM30832			24	31	M8	120	£89.00
OM30833			24	31	M8	160	£115.00
OM30834	DV40 SF12	12mm	24	31	M10	80	£69.00
OM30835			24	31	M10	120	£89.00
OM30836			24	31	M10	160	£115.00
OM30894	DV40 SF14	14mm	27	34	M10	80	£69.00
OM30895			27	34	M10	120	£89.00
OM30896			27	34	M10	160	£115.00
OM30837	DV40 SF16	16mm	27	34	M12	80	£69.00
OM30838			27	34	M12	120	£89.00
OM30839			27	34	M12	160	£115.00
OM30897	DV40 SF18	18mm	33	40	M12	80	£69.00
OM30898			33	40	M12	120	£89.00
OM30899			33	40	M12	160	£115.00
OM30840	DV40 SF20	20mm	33	40	M16	80	£69.00
OM30841			33	40	M16	120	£89.00
OM30842			33	40	M16	160	£115.00
OM30843	DV40 SF25	25mm	44	53	M16	100	£69.00
OM30844			44	53	M16	120	£89.00
OM30845			44	53	M16	160	£115.00
OM30846	DV40 SF32	32mm	44	53	M16	100	£69.00
OM30900			44	53	M16	120	£89.00
OM30847			44	53	M16	160	£115.00



DV40
Milling Cutter Arbors

- DIN 69871
- Arbors for Screw Type Modular Milling Cutters
- Balanced to G2.5 @ 25,000RPM
- Form AD/B

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30950	DV40 MCA 06	6.5	10	13	M6	25	£59.00
OM30951		6.5	10	20		50	£68.00
OM30952		6.5	10	23		75	£74.00
OM30953	DV40 MCA 08	8.5	13	15	M8	25	£59.00
OM30954		8.5	13	23		50	£68.00
OM30955		8.5	13	23		75	£74.00
OM30956		8.5	13	25		100	£84.00
OM30957	DV40 MCA 10	10.5	18	20	M10	25	£59.00
OM30958		10.5	18	23		50	£68.00
OM30959		10.5	18	28		75	£74.00
OM30960		10.5	18	32		100	£84.00
OM30961	DV40 MCA 12	12.5	21	24	M12	25	£59.00
OM30962		12.5	21	24		50	£68.00
OM30963		12.5	21	31		75	£74.00
OM30964		12.5	21	33		100	£84.00
OM30965	DV40 MCA 16	12.5	21	36	M16	125	£96.00
OM30966		17	29	29		25	£59.00
OM30967		17	29	34		50	£68.00
OM30968		17	29	34		75	£74.00
OM30969		17	29	36		100	£84.00
OM30970		17	29	40		125	£96.00
OM30971		17	29	42.5		150	£105.00



DV40
Parallel Milling Cutter Arbors

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM34725	DV40 MCAP 08	8.5	13.8	13.8	M8	50	£75.00
OM34728	DV40 MCAP 10	10.5	18	18	M10	50	£75.00
OM34729		10.5	18	18		75	£82.00
OM34730	DV40 MCAP 12	10.5	18	18	M12	100	£93.00
OM34731		12.5	21	21		50	£75.00
OM34732	DV40 MCAP 16	12.5	21	21	M16	75	£82.00
OM34733		12.5	21	21		100	£93.00
OM34735	DV40 MCAP 16	17	29	29	M16	50	£75.00
OM34736		17	29	29		75	£82.00
OM34737		17	29	29		100	£93.00

DV50
Milling Cutter Arbors

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30972	DV50 MCA 08	8.5	13	23	M8	50	£84.00
OM30973		8.5	13	25		100	£104.00
OM30974		8.5	13	30		150	£115.00
OM30975	DV50 MCA 10	10.5	18	23	M10	50	£84.00
OM30976		10.5	18	32		100	£104.00
OM30977		10.5	18	36.5		150	£115.00
OM30978	DV50 MCA 12	12.5	21	24	M12	50	£84.00
OM30979		12.5	21	33		100	£104.00
OM30980		12.5	21	40		150	£115.00
OM30981	DV50 MCA 16	17	29	34	M16	50	£84.00
OM30982		17	29	36		100	£104.00
OM30983		17	29	42.5		150	£115.00

DV40
End Mill Holders

- DIN 69871
- For mounting straight shank tools with weldon flat
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31206	DV40 S/L 06	6mm	50	AD	G2.5 @20,000 RPM	£23.00
OM31727			50	AD/B	G2.5 @25,000 RPM	£32.00
OM31461			100	AD	G2.5 @20,000 RPM	£28.00
OM31728			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31729			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31730			200	AD/B	G6.3 @15,000 RPM	£135.00
OM31207	DV40 S/L 08	8mm	50	AD	G2.5 @20,000 RPM	£23.00
OM31731			50	AD/B	G2.5 @25,000 RPM	£32.00
OM31462			100	AD	G2.5 @20,000 RPM	£28.00
OM31732			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31733			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31734			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31208	DV40 S/L 10	10mm	63	AD	G2.5 @20,000 RPM	£23.00
OM31735			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31463			100	AD	G2.5 @20,000 RPM	£28.00
OM31736			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31737			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31738			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31209	DV40 S/L 12	12mm	63	AD	G2.5 @20,000 RPM	£23.00
OM31739			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31464			100	AD	G2.5 @20,000 RPM	£28.00
OM31740			100	AD/B	G2.5 @25,000 RPM	£37.00
OM31741			160	AD/B	G2.5 @25,000 RPM	£49.00
OM31742			200	AD/B	G6.3 @15,000 RPM	£125.00
OM31980	DV40 S/L 14	14mm	63	AD	G2.5 @20,000 RPM	£29.00
OM30372			100	AD	G2.5 @20,000 RPM	£32.00
OM31467	DV40 S/L 16	16mm	35	AD	G2.5 @20,000 RPM	£36.00
OM31211			63	AD	G2.5 @20,000 RPM	£23.00
OM31743			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31465			100	AD	G2.5 @20,000 RPM	£28.00
OM31744			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30257			160	AD	G2.5 @20,000 RPM	£46.00
OM31745			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30258			200	AD	G2.5 @20,000 RPM	£98.00
OM31746			200	AD/B	G6.3 @15,000 RPM	£125.00



DV40
End Mill Holders (Continued)

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31981	DV40 S/L 18	18mm	63	AD	G2.5 @20,000 RPM	£29.00
OM30782			100	AD	G2.5 @20,000 RPM	£32.00
OM31468	DV40 S/L 20	20mm	35	AD	G2.5 @20,000 RPM	£36.00
OM31212			63	AD	G2.5 @20,000 RPM	£23.00
OM31747			63	AD/B	G2.5 @25,000 RPM	£32.00
OM31466			100	AD	G2.5 @20,000 RPM	£28.00
OM31748			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30999			160	AD	G2.5 @20,000 RPM	£46.00
OM31749			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30259			200	AD	G2.5 @20,000 RPM	£98.00
OM31750	DV40 S/L 25	25mm	200	AD/B	G6.3 @15,000 RPM	£125.00
OM31469			35	AD	G2.5 @20,000 RPM	£36.00
OM30260			70	AD	G2.5 @20,000 RPM	£23.00
OM31214			90	AD	G2.5 @20,000 RPM	£23.00
OM31213			100	AD	G2.5 @20,000 RPM	£28.00
OM31751			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30261			160	AD	G2.5 @20,000 RPM	£46.00
OM31752			160	AD/B	G2.5 @25,000 RPM	£52.00
OM30262	DV40 S/L 32	32mm	200	AD	G2.5 @20,000 RPM	£98.00
OM31753			200	AD/B	G6.3 @15,000 RPM	£130.00
OM31470			65	AD	G2.5 @20,000 RPM	£36.00
OM31215			100	AD	G2.5 @20,000 RPM	£23.00
OM31754			100	AD/B	G2.5 @25,000 RPM	£37.00
OM30263			160	AD	G2.5 @20,000 RPM	£48.00
OM31755			160	AD/B	G2.5 @25,000 RPM	£56.00
OM31756			200	AD/B	G6.3 @15,000 RPM	£140.00
OM31216	DV40 S/L 40	40mm	120	AD	G2.5 @20,000 RPM	£34.00



DV50
End Mill Holders

- DIN 69871
- For mounting straight shank tools with weldon flat
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Form	Balance	Price
OM31629	DV50 S/L 06	6mm	63	AD/B	G2.5 @25,000 RPM	£49.00
OM31883			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31884			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31885			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31630	DV50 S/L 08	8mm	63	AD/B	G2.5 @25,000 RPM	£49.00
OM31886			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31887			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31888			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31245	DV50 S/L 10	10mm	63	AD	G6.3 @15,000 RPM	£43.00
OM31889			63	AD/B	G2.5 @25,000 RPM	£52.00
OM31890			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31891			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31892	DV50 S/L 12	12mm	200	AD/B	G6.3 @15,000 RPM	£149.00
OM31246			63	AD	G6.3 @15,000 RPM	£43.00
OM31893			63	AD/B	G2.5 @25,000 RPM	£52.00
OM31894			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31895	DV50 S/L 16	16mm	160	AD/B	G2.5 @25,000 RPM	£79.00
OM31896			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31247			63	AD	G6.3 @15,000 RPM	£43.00
OM31897			63	AD/B	G2.5 @25,000 RPM	£52.00
OM31248	DV50 S/L 20	20mm	100	AD	G6.3 @15,000 RPM	£48.00
OM31898			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31899			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31900			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31249	DV50 S/L 25	25mm	63	AD	G6.3 @15,000 RPM	£43.00
OM31901			63	AD/B	G2.5 @25,000 RPM	£52.00
OM31250			100	AD	G6.3 @15,000 RPM	£48.00
OM31902			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31903	DV50 S/L 32	32mm	160	AD/B	G2.5 @25,000 RPM	£79.00
OM31904			200	AD/B	G6.3 @15,000 RPM	£149.00
OM31251			80	AD	G6.3 @15,000 RPM	£43.00
OM31905			80	AD/B	G2.5 @25,000 RPM	£52.00
OM31252	DV50 S/L 40	40mm	100	AD	G6.3 @15,000 RPM	£48.00
OM31906			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31907			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31908			200	AD/B	G6.3 @15,000 RPM	£159.00
OM31253	DV50 S/L 50	50mm	100	AD	G6.3 @15,000 RPM	£43.00
OM31909			100	AD/B	G2.5 @25,000 RPM	£52.00
OM31910			160	AD/B	G2.5 @25,000 RPM	£79.00
OM31911			200	AD/B	G6.3 @15,000 RPM	£199.00
OM31254	DV50 S/L 60	60mm	100	AD	G6.3 @15,000 RPM	£48.00
OM31912			110	AD/B	G2.5 @25,000 RPM	£62.00
OM31913			160	AD/B	G2.5 @25,000 RPM	£84.00
OM31914			200	AD/B	G6.3 @15,000 RPM	£239.00
OM31915	DV50 S/L 80	80mm	120	AD/B	G6.3 @15,000 RPM	£125.00



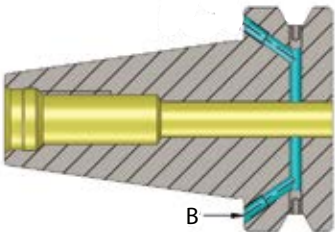
DV40
Face Mill Arbors

- DIN 69871
- For Mounting Face Mill Cutters
- Wide range of gauge lengths available
- "AD/B + Cool" Holders allow for coolant through flange and through centre

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Balance	Price
OM31193	DV40 FMB 16	16mm	35	AD	G2.5 @20,000 RPM	£28.00
OM31757			35	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31489			100	AD	G2.5 @20,000 RPM	£39.00
OM31758			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31490			160	AD	G6.3 @15,000 RPM	£69.00
OM31759			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM30785			200	AD	G6.3 @15,000 RPM	£98.00
OM31760			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31195	DV40 FMB 22	22mm	45	AD	G2.5 @20,000 RPM	£28.00
OM31761			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31491			100	AD	G2.5 @20,000 RPM	£39.00
OM31762			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31492			160	AD	G6.3 @15,000 RPM	£69.00
OM31763			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM30786			200	AD	G6.3 @15,000 RPM	£98.00
OM31764			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31198	DV40 FMB 27	27mm	45	AD	G2.5 @20,000 RPM	£28.00
OM31765			45	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31493			100	AD	G2.5 @20,000 RPM	£39.00
OM31766			100	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31494			160	AD	G6.3 @15,000 RPM	£69.00
OM31767			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM30787			200	AD	G6.3 @15,000 RPM	£98.00
OM31768			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31199	DV40 FMB 32	32mm	50	AD	G2.5 @20,000 RPM	£28.00
OM31769			50	AD/B + Cool	G2.5 @25,000 RPM	£39.00
OM31770			100	AD/B + Cool	G2.5 @25,000 RPM	£48.00
OM31771			160	AD/B + Cool	G2.5 @25,000 RPM	£79.00
OM31772			200	AD/B + Cool	G6.3 @15,000 RPM	£170.00
OM31200	DV40 FMB 40	40mm	60	AD	G2.5 @20,000 RPM	£36.00
OM31773			60	AD/B + Cool	G2.5 @25,000 RPM	£49.00
OM31774			100	AD/B + Cool	G2.5 @25,000 RPM	£52.00
OM31775			160	AD/B + Cool	G6.3 @15,000 RPM	£155.00
OM31776			200	AD/B + Cool	G6.3 @15,000 RPM	£185.00
OM31777						
OM31778						
OM31779						



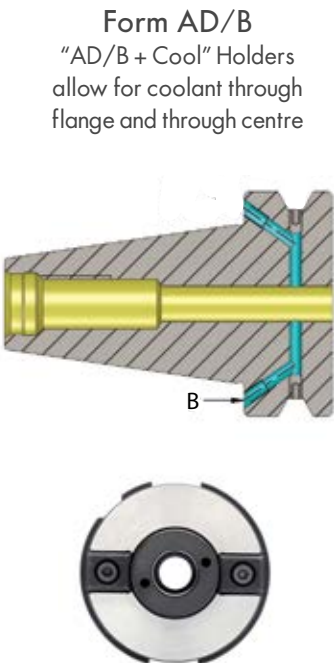
Form AD/B
"AD/B + Cool" Holders
allow for coolant through
flange and through centre



DV50
Face Mill Arbors

- DIN 69871
- For Mounting Face Mill Cutters
- Wide range of gauge lengths available
- “AD/B + Cool” Holders allow for coolant through flange and through centre

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Balance	Price
OM31917	DV50 FMB 16	16mm	45	AD/B + Cool	G2.5 @25,000 RPM	£56.00
OM31918			100	AD/B + Cool	G2.5 @25,000 RPM	£68.00
OM31919			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31920			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31921			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31922			300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31923			350	AD/B + Cool	G6.3 @15,000 RPM	£329.00
OM31924	DV50 FMB 22	22mm	45	AD	G6.3 @15,000 RPM	£46.00
OM31925			45	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31926			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31927			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31928			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31929			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31930			300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31931	DV50 FMB 27	27mm	45	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31932			60	AD	G6.3 @15,000 RPM	£46.00
OM31933			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31934			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31935			200	AD/B + Cool	G2.5 @25,000 RPM	£125.00
OM31936			250	AD/B + Cool	G6.3 @15,000 RPM	£219.00
OM31937			300	AD/B + Cool	G6.3 @15,000 RPM	£269.00
OM31938	DV50 FMB 32	32mm	45	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31939			60	AD	G6.3 @15,000 RPM	£46.00
OM31940			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31941			160	AD/B + Cool	G2.5 @25,000 RPM	£89.00
OM31942			200	AD/B + Cool	G6.3 @15,000 RPM	£165.00
OM31943			250	AD/B + Cool	G6.3 @15,000 RPM	£235.00
OM31944			300	AD/B + Cool	G6.3 @15,000 RPM	£285.00
OM31945	DV50 FMB 40	40mm	350	AD/B + Cool	G6.3 @15,000 RPM	£349.00
OM31529			45	AD/B + Cool	G2.5 @25,000 RPM	£62.00
OM31529			50	AD	G6.3 @15,000 RPM	£46.00
OM31946			100	AD/B + Cool	G2.5 @25,000 RPM	£69.00
OM31947			160	AD/B + Cool	G6.3 @15,000 RPM	£149.00
OM31948			200	AD/B + Cool	G6.3 @15,000 RPM	£189.00
OM31949			250	AD/B + Cool	G6.3 @15,000 RPM	£275.00
OM31950			300	AD/B + Cool	G6.3 @15,000 RPM	£340.00
OM31951			350	AD/B + Cool	G6.3 @15,000 RPM	£395.00



DV40
Combi Shell Mill Arbors

- DIN 69871
- For Mounting Face Mills & Side/Face Cutters

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Price
OM31172	DV40 COMBI 16	16mm	55	AD	£32.00
OM31171			100	AD	£44.00
OM31174	DV40 COMBI 22	22mm	55	AD	£32.00
OM31173			100	AD	£44.00
OM31176	DV40 COMBI 27	27mm	55	AD	£32.00
OM31175			100	AD	£44.00
OM31177	DV40 COMBI 32	32mm	60	AD	£32.00
OM31178	DV40 COMBI 40	40mm	60	AD	£38.00



DV50
Combi Shell Mill Arbors

- DIN 69871
- For Mounting Face Mills & Side/Face Cutters

Part Number	Description	Spigot Size	Gauge Length (mm)	Form	Price
OM31220	DV50 COMBI 16	16mm	55	AD	£56.00
OM31222	DV50 COMBI 22	22mm	55	AD	£56.00
OM31221			100	AD	£79.00
OM31225	DV50 COMBI 27	27mm	55	AD	£56.00
OM31224			100	AD	£79.00
OM31228	DV50 COMBI 32	32mm	55	AD	£56.00
OM31227			100	AD	£79.00
OM31230	DV50 COMBI 40	40mm	60	AD	£56.00
OM31229			100	AD	£79.00



DV40
Morse Taper Adaptors

- DIN 69871
- For Tools with Morse Taper Shank & Tang
- G2.5 @ 20,000 RPM

Part Number	Description	Gauge Length (mm)	Form	Price
OM31202	DV40 MTA 1	50	AD	£28.00
OM31203	DV40 MTA 2	50	AD	£28.00
OM31204	DV40 MTA 3	70	AD	£28.00
OM31205	DV40 MTA 4	95	AD	£28.00



DV50
Morse Taper Adaptors

- DIN 69871
- For Tools with Morse Taper Shank & Tang
- G6.3 @ 15,000 RPM

Part Number	Description	Gauge Length (mm)	Form	Price
OM31240	DV50 MTA 1	60	AD	£52.00
OM31241	DV50 MTA 2	60	AD	£52.00
OM31242	DV50 MTA 3	65	AD	£52.00
OM31243	DV50 MTA 4	95	AD	£52.00
OM31244	DV50 MTA 5	105	AD	£57.00



DV40
Morse Taper Adaptors with Drawbar Thread

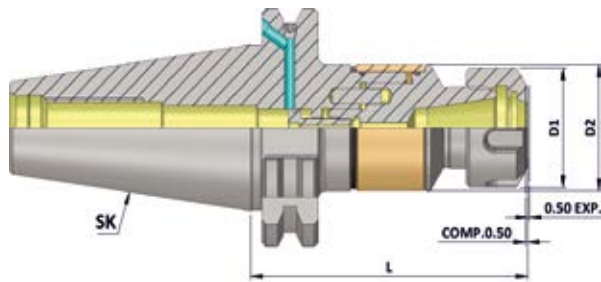
- DIN69871
- For Tools with Morse Taper & Drawbar Thread
- G6.3 @ 15,000 RPM
- MTB1 & 2 include cap head bolt to retain tool
- MTB3 & 4 include special long pull stud: DIN69872B to retain tool

Part Number	Description	Gauge Length (mm)	Price
OM30273	DV40 MTB 1	45	£42.00
OM30274	DV40 MTB 2	60	£42.00
OM30275	DV40 MTB 3	80	£42.00
OM30276	DV40 MTB 4	100	£42.00



DV40
MLC Synchro Tapping Chucks

- DIN69871
- Minimum Length Compensation Tapping Chucks
- +/-0.5mm Compression & Expansion
- High Concentricity Enables High Speed Tapping
- Recommended for use with QCTC Type Collets
- QCTC Collets - Pg. 126-131
- Spares - Pg. 154-157



Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Dimensions (mm)					Price
					D1	D2	L	Comp.	Exp.	
OM32439	DV40 MLC ER16	M3-M12	1-10	ER16	32	34	79	0.5	0.5	£129.00
OM32440	DV40 MLC ER20	M3-M16	3.5-10	ER20	35	34	80	0.5	0.5	£139.00
OM32441	DV40 MLC ER25	M3-M20	3.5-16	ER25	42	34	84	0.5	0.5	£139.00
OM32442	DV40 MLC ER32	M4-M27	3.5-20	ER32	50	45	95	0.5	0.5	£143.00
OM32443	DV40 MLC ER40	M6-M33	6-26	ER40	63	62	120	0.5	0.5	£149.00

DV50
MLC Synchro Tapping Chucks

Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Dimensions (mm)					Price
					D1	D2	L	Comp.	Exp.	
OM32444	DV50 MLC ER16	M3-M12	1-10	ER16	32	34	79	0.5	0.5	£158.00
OM32445	DV50 MLC ER20	M3-M16	3.5-10	ER20	35	34	80	0.5	0.5	£169.00
OM32460	DV50 MLC ER25	M3-M20	3.5-16	ER25	42	34	84	0.5	0.5	£169.00
OM32470	DV50 MLC ER32	M4-M27	3.5-20	ER32	50	45	95	0.5	0.5	£176.00
OM32471	DV50 MLC ER40	M6-M33	6-26	ER40	63	62	105	0.5	0.5	£182.00



DV40

Quick Change Tapping Chucks

- DIN 69871
- Axial Length Compensation
- With Tension & Compression
- Quick change tap adaptors available in 3 sizes
- QC Tap Adaptors - Pg. 132-133

Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31379	DV40 Size 1 (TC312-59)	59	M3 - M12	£119.00
OM31380	DV40 Size 2 (TC820-97)	97	M6 - M20	£129.00
OM31381	DV40 Size 3 (TC1433-156)	156	M14 - M36	£195.00



DV50

Quick Change Tapping Chucks

- DIN 69871
- Axial Length Compensation
- With Tension & Compression
- Quick change tap adaptors available in 3 sizes
- QC Tap Adaptors - Pg. 132-133

Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31382	DV50 Size 1 (TC312-63)	63	M3 - M12	£159.00
OM31383	DV50 Size 2 (TC820-97)	97	M6 - M20	£179.00
OM31384	DV50 Size 3 (TC1433-140)	140	M14 - M36	£265.00

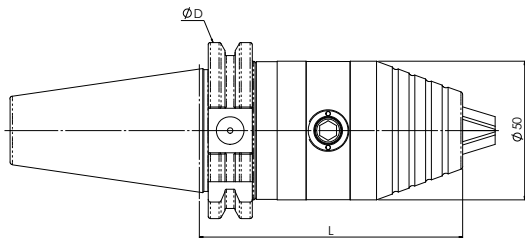


DV40 & DV50

Hex Key Drill Chucks

- DIN 69871
- Premium Drill Chuck, Accuracy <0.05mm
- Strong Clamping Force in both clockwise & anti-clockwise operations
- Increased wear-resistance with Titanium Jaws

Part Number	Description	Capacity (mm)	L	D	Price
OM33662	DV40 GHK 13-90	0.3-13	90	63.55	£149.00
OM33663	DV40 GHK 16-95	1.5-16	95	63.55	£156.00
OM33664	DV50 GHK 13-90	0.3-13	90	97.5	£179.00
OM33665	DV50 GHK 16-95	1.5-16	95	97.5	£194.00



• Spare Hex Key - Pg. 157

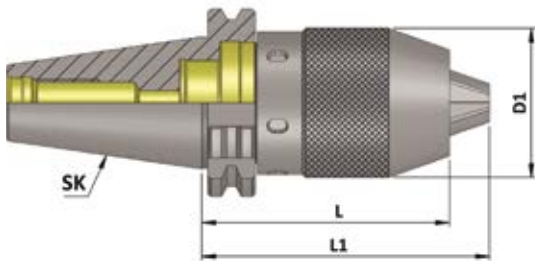


DV40 & DV50

NCDC Drill Chucks

- DIN 69871
- High Accuracy Drill Chuck <0.05mm
- Maximum Rigidity
- NCDC Spanner - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		Capacity	D1	L	L1	
OM33655	DV40 NCDC 1-13mm	1-13mm	50	86	98.5	£109.00
OM33656	DV50 NCDC 1-13mm	1-13mm	50	108	120.5	£172.00



DV40 & DV50

APU Integral Keyless Drill Chucks

- DIN 69871
- Economy Drill Chuck for general engineering applications
- APU Spanner - Pg. 157

Part Number	Description	Gauge Length (mm)	Capacity	Price
OM31170	DV40 APU 13 1-13mm	100	1-13mm	£79.00
OM31571	DV40 APU 16 3-16mm	120	3-16mm	£79.00
OM31218	DV50 APU 13 1-13mm	100	1-13mm	£99.00
OM31219	DV50 APU 16 3-16mm	105	3-16mm	£99.00



DV40
Drill Chuck Adaptors

- DIN 69871
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Balance	Price
OM31448	DV40 B16	G6.3 @ 12,000 RPM	£29.00
OM31201	DV40 JT6	G6.3 @ 12,000 RPM	£29.00

DV50
Drill Chuck Adaptors

- DIN 69871
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Balance	Price
OM31239	DV50 JT6	G6.3 @ 12,000 RPM	£49.00
OM31534	DV50 B16	G6.3 @ 12,000 RPM	£49.00

DV40
Machinable Boring Bar Blanks

- DIN 69871
- Machineable Boring Bar Blank

Part Number	Description	Diameter (mm)	Gauge Length (mm)	Price
OM30293	DV40 BLANK 63 250	63	250	£79.00

DV50
Machinable Boring Bar Blanks

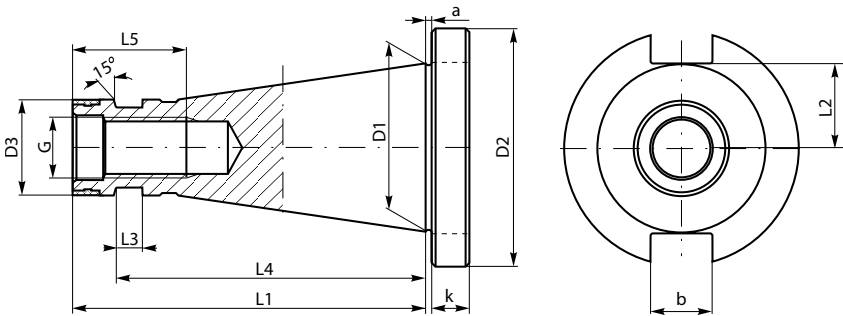
- DIN 69871
- Machineable Boring Bar Blank

Part Number	Description	Diameter (mm)	Gauge Length (mm)	Price
OM30294	DV50 BLANK 97 315	97	315	£148.00



DIN 2080
TECHNICAL SPECIFICATION

- Manufactured with Casehardening Steel
- Surface Hardened HRC 60+-2
- Hardening Depth 0.8mm+-0.2mm
- Taper Angle Tolerance AT3



Taper	D1	a	b	k	G	D2	D3	L1	L2	L3	L4	L5
40	44.5	1.6	16.1	10	M16	63.0	25.0	93.4	22.5	7	82	32
50	69.9	3.2	25.7	12	M24	97.5	39.2	126.8	35.3	13	115	47

ISO 40
ER Collet Chucks

- DIN2080
- Standard Nut Collet Chucks
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31258	DIN2080 40 ER16	70	AD	G6.3 @ 15,000 RPM	£29.00
OM31963		100	AD	G6.3 @ 15,000 RPM	£48.00
OM30334		160	AD	G6.3 @ 15,000 RPM	£68.00
OM30335		200	AD	G6.3 @ 15,000 RPM	£92.00
OM31259	DIN2080 40 ER25	60	AD	G6.3 @ 15,000 RPM	£29.00
OM31964		100	AD	G6.3 @ 15,000 RPM	£48.00
OM30336		160	AD	G6.3 @ 15,000 RPM	£68.00
OM30337		200	AD	G6.3 @ 15,000 RPM	£92.00
OM31260	DIN2080 40 ER32	70	AD	G6.3 @ 15,000 RPM	£29.00
OM31965		100	AD	G6.3 @ 15,000 RPM	£48.00
OM30338		160	AD	G6.3 @ 15,000 RPM	£68.00
OM30339		200	AD	G6.3 @ 15,000 RPM	£92.00
OM31333	DIN2080 40 ER40	80	AD	G6.3 @ 15,000 RPM	£29.00
OM30340		100	AD	G6.3 @ 15,000 RPM	£48.00
OM30341		160	AD	G6.3 @ 15,000 RPM	£68.00
OM30342		200	AD	G6.3 @ 15,000 RPM	£92.00

ISO 50
ER Collet Chucks

- DIN2080
- Standard Nut Collet Chucks
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Form	Balance	Price
OM31279	DIN2080 50 ER32	70	AD	G6.3 @ 15,000 RPM	£58.00
OM31280	DIN2080 50 ER40	70	AD	G6.3 @ 15,000 RPM	£58.00



ISO 40
End Mill Holders

- DIN 2080
- For mounting straight shank tools with weldon flat
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Balance	Price
OM31270	DIN2080 40 S/L 06	6mm	50	G6.3 @ 15,000 RPM	£29.00
OM30343			100	G6.3 @ 15,000 RPM	£49.00
OM31271	DIN2080 40 S/L 08	8mm	50	G6.3 @ 15,000 RPM	£29.00
OM30344			100	G6.3 @ 15,000 RPM	£49.00
OM31272	DIN2080 40 S/L 10	10mm	63	G6.3 @ 15,000 RPM	£29.00
OM30345			100	G6.3 @ 15,000 RPM	£49.00
OM31273	DIN2080 40 S/L 12	12mm	63	G6.3 @ 15,000 RPM	£29.00
OM30346			100	G6.3 @ 15,000 RPM	£49.00
OM31274	DIN2080 40 S/L 16	16mm	63	G6.3 @ 15,000 RPM	£29.00
OM30347			100	G6.3 @ 15,000 RPM	£49.00
OM31275	DIN2080 40 S/L 20	20mm	63	G6.3 @ 15,000 RPM	£29.00
OM30348			100	G6.3 @ 15,000 RPM	£49.00
OM31276	DIN2080 40 S/L 25	25mm	90	G6.3 @ 15,000 RPM	£32.00
OM31277	DIN2080 40 S/L 32	32mm	100	G6.3 @ 15,000 RPM	£36.00
OM31278	DIN2080 40 S/L 40	40mm	90	G6.3 @ 15,000 RPM	£38.00



ISO 50
End Mill Holders

- DIN 2080
- For mounting straight shank tools with weldon flat
- Spare Clamp Screws - Pg. 158

Part Number	Description	Bore Size	Gauge Length (mm)	Balance	Price
OM31290	DIN2080 50 S/L 16	16mm	63	G6.3 @ 15,000 RPM	£52.00
OM31291	DIN2080 50 S/L 20	20mm	63	G6.3 @ 15,000 RPM	£52.00
OM31292	DIN2080 50 S/L 25	25mm	90	G6.3 @ 15,000 RPM	£52.00
OM31293	DIN2080 50 S/L 32	32mm	100	G6.3 @ 15,000 RPM	£52.00
OM31294	DIN2080 50 S/L 40	40mm	100	G6.3 @ 15,000 RPM	£52.00



ISO 40
Face Mill Arbors

- DIN2080
- For Mounting Face Mill Cutters

Part Number	Description	Spigot Size	Gauge Length (mm)	Balance	Price
OM31261	DIN2080 40 FMB 16	16mm	45	G6.3 @ 15,000 RPM	£29.00
OM30349			100	G6.3 @ 15,000 RPM	£49.00
OM30350			160	G6.3 @ 15,000 RPM	£75.00
OM30351			200	G6.3 @ 15,000 RPM	£95.00
OM31262	DIN2080 40 FMB 22	22mm	45	G6.3 @ 15,000 RPM	£29.00
OM30352			100	G6.3 @ 15,000 RPM	£49.00
OM30353			160	G6.3 @ 15,000 RPM	£75.00
OM30354			200	G6.3 @ 15,000 RPM	£95.00
OM31263	DIN2080 40 FMB 27	27mm	45	G6.3 @ 15,000 RPM	£29.00
OM30355			100	G6.3 @ 15,000 RPM	£49.00
OM30356			160	G6.3 @ 15,000 RPM	£75.00
OM30357			200	G6.3 @ 15,000 RPM	£95.00
OM31264	DIN2080 40 FMB 32	32mm	60	G6.3 @ 15,000 RPM	£29.00
OM30358			100	G6.3 @ 15,000 RPM	£49.00
OM30359			160	G6.3 @ 15,000 RPM	£79.00
OM30360			200	G6.3 @ 15,000 RPM	£105.00
OM31984	DIN2080 40 FMB 40	40mm	60	G6.3 @ 15,000 RPM	£32.00
OM30361			100	G6.3 @ 15,000 RPM	£56.00
OM30362			160	G6.3 @ 15,000 RPM	£85.00
OM30363			200	G6.3 @ 15,000 RPM	£109.00



ISO 50
Face Mill Arbors

- DIN2080
- For Mounting Face Mill Cutters

Part Number	Description	Spigot Size	Gauge Length (mm)	Balance	Price
OM31281	DIN2080 50 FMB 22	22mm	45	G6.3 @ 15,000 RPM	£52.00
OM31282	DIN2080 50 FMB 27	27mm	45	G6.3 @ 15,000 RPM	£52.00
OM31283	DIN2080 50 FMB 32	32mm	60	G6.3 @ 15,000 RPM	£52.00
OM31284	DIN2080 50 FMB 40	40mm	60	G6.3 @ 15,000 RPM	£52.00



ISO 40 Morse Taper Adaptors

- DIN 2080
- For Tools with Morse Taper Shank & Tang

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31266	DIN2080 40 MTA 1	45	G6.3 @ 15,000 RPM	£29.00
OM31267	DIN2080 40 MTA 2	50	G6.3 @ 15,000 RPM	£29.00
OM31268	DIN2080 40 MTA 3	60	G6.3 @ 15,000 RPM	£29.00
OM31269	DIN2080 40 MTA 4	95	G6.3 @ 15,000 RPM	£29.00



ISO 50 Morse Taper Adaptors

- DIN 2080
- For Tools with Morse Taper Shank & Tang

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31286	DIN2080 50 MTA 2	45	G6.3 @ 15,000 RPM	£52.00
OM31287	DIN2080 50 MTA 3	60	G6.3 @ 15,000 RPM	£52.00
OM31288	DIN2080 50 MTA 4	90	G6.3 @ 15,000 RPM	£52.00
OM31289	DIN2080 50 MTA 5	105	G6.3 @ 15,000 RPM	£52.00



ISO 40 Quick Change Tapping Chucks

- DIN 2080
- Axial Lenth Compensation
- With Tension & Compression
- QC Tap Adaptors - Pg. 132-133

Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31373	DIN2080 40 Size 1 (TC312-55)	55	M3 - M12	£119.00
OM31374	DIN2080 40 Size 2 (TC820-86)	86	M6 - M20	£129.00
OM31375	DIN2080 40 Size 3 (TC1433-132)	132	M14 - M36	£195.00



ISO 50 Quick Change Tapping Chucks

Part Number	Description	Gauge Length (mm)	Tapping Range	Price
OM31376	DIN2080 50 Size 1 (TC312-62)	62	M3 - M12	£159.00
OM31377	DIN2080 50 Size 2 (TC820-90)	90	M6 - M20	£179.00
OM31378	DIN2080 50 Size 3 (TC1433-117)	117	M14 - M36	£265.00



ISO 40 & 50 NCDC Drill Chucks

- DIN 2080
- High Accuracy Drill Chuck, <0.05mm
- NCDC Spanner - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		Capacity	D1	L	L1	
OM31546	DIN2080 40 NCDC 1-13mm	1-13mm	50	88.5	101	£109.00
OM31547	DIN2080 50 NCDC 1-13mm	1-13mm	50	88.5	101	£172.00



ISO 40 & 50 Integral Keyless Drill Chucks

- DIN 2080
- Keyless drill chuck can be tightened with wrench
- APU Spanner - Pg. 157

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31358	DIN2080 40 APU13 1-13mm	100	G6.3 @ 15,000RPM	£79.00
OM31359	DIN2080 50 APU16 1-16mm	105	G6.3 @ 15,000RPM	£99.00



ISO 40 & 50 Drill Chuck Arbors

- DIN 2080
- For Mounting Drill Chucks
- Drill Chucks - Pg. 144

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31265	DIN2080 40 JT6	45	G6.3 @ 15,000RPM	£29.00
OM31985	DIN2080 40 B16	45	G6.3 @ 15,000RPM	£29.00
OM31285	DIN2080 50 JT6	45	G6.3 @ 15,000RPM	£49.00
OM31986	DIN2080 50 B16	45	G6.3 @ 15,000RPM	£49.00



ISO 40 & 50 Machinable Boring Bar Blanks

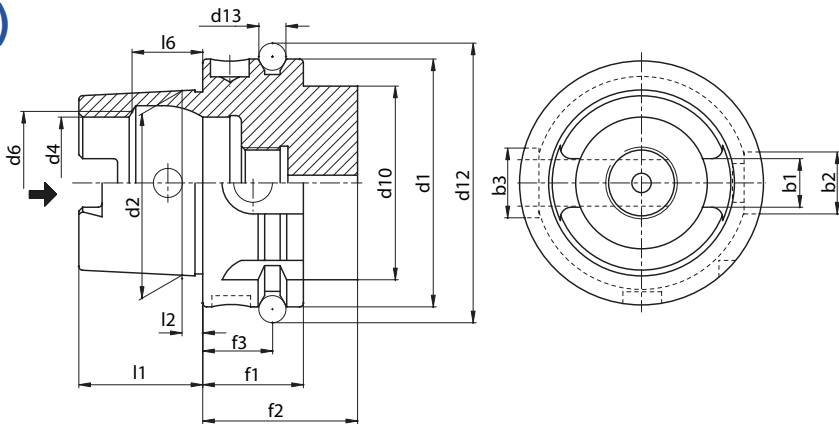
Part Number	Description	Diameter (mm)	Gauge Length (mm)	Price
OM31049	DIN2080 40 BLANK 63 250	63	250	£79.00
OM31055	DIN2080 50 BLANK 97 315	97	315	£148.00



HSK63A

HSK63A (DIN69893 A+C) TECHNICAL SPECIFICATION

- Manufactured with Casehardening Steel
- Surface Hardened HRC 60+-2
- Hardening Depth 0.8mm+-0.2mm



	HSK 32	HSK 40	HSK 50	HSK 63	HSK 100	HSK 125
b1	7.05	8.05	10.54	12.54	20.02	25.02
b2	7	9	12.0	16	20.00	25.0
b3	9	11	14.0	18	22.00	28.0
d1	32	40	50	63	100	125
d2	24	30	38	48	75	95
d4	17	21	26	34	53	67
d6	19	23	29	37	58	73
d10	26	34	42	53	88	111
d12	37	45	59.3	72.3	109.75	134.75
d13	4	4	7	7	7	7
f1	20	20	26	26	29	29
f2	35	35	42	42	45	45
f3	16	16	18	18	20	20
l1	16	20	25	32	50	63
l2	3.2	4	5	6.3	10	12.5
l6	8.92	11.42	14.13	18.13	28.56	36.27

HSK63A ER MINI Collet Chucks

- HSK63A (DIN 69893)
- MINI Nut ER Collet Chucks
- Slimline Extended Mini Chucks
- ER Collets - Pg. 100
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Balance	Price
OM30364	HSK63A ER11 MINI	100	G2.5 @ 25,000 RPM	£79.00
OM30796		160	G2.5 @ 25,000 RPM	£119.00
OM30396	HSK63A ER16 MINI	100	G2.5 @ 25,000 RPM	£79.00
OM31996		160	G2.5 @ 25,000 RPM	£119.00



HSK63A ER Collet Chucks

- HSK63A (DIN 69893)
- Standard Nut Collet Chucks
- ER Collet System
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31500	HSK63A ER16	75	G2.5 @ 25,000 RPM	£64.00
OM31501		100	G2.5 @ 25,000 RPM	£68.00
OM31987		160	G2.5 @ 25,000 RPM	£119.00
OM30374		200	G2.5 @ 25,000 RPM	£165.00
OM31502	HSK63A ER25	75	G2.5 @ 25,000 RPM	£64.00
OM31503		100	G2.5 @ 25,000 RPM	£68.00
OM31988		160	G2.5 @ 25,000 RPM	£119.00
OM30375		200	G2.5 @ 25,000 RPM	£139.00
OM31504	HSK63A ER32	75	G2.5 @ 25,000 RPM	£64.00
OM31505		100	G2.5 @ 25,000 RPM	£68.00
OM31989		160	G2.5 @ 25,000 RPM	£119.00
OM30376		200	G2.5 @ 25,000 RPM	£139.00
OM30278	HSK63A ER40	80	G2.5 @ 25,000 RPM	£68.00

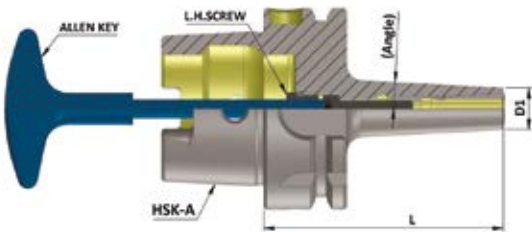


HSK63A

Die & Mould Collet Chucks

- HSK63A
- Drawback Collet Style
- Ultra Precision DMC Slim Collet Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

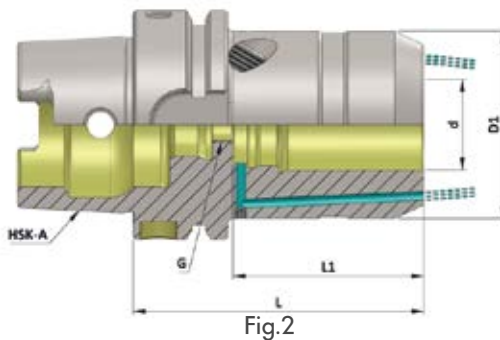
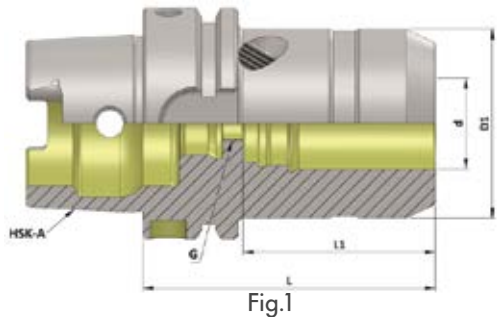
Part Number	Description	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
		Clamping Range	D1	L					
OM32367	HSK63A DMC 06	3-6	13	75	3°	DMC 06	M5	4X200	£94.00
OM32368		3-6	13	95	3°	DMC 06	M5	4X200	£94.00
OM32369		3-6	13	120	3°	DMC 06	M5	4X200	£98.00
OM32370		3-6	13	160	3°	DMC 06	M5	4X200	£119.00
OM32371	HSK63A DMC 08	3-8	22	100	3°	DMC 08	M6	5X200	£98.00
OM32372		3-8	22	160	3°	DMC 08	M6	5X200	£119.00
OM32373	HSK63A DMC 10	3-10	28	110	3°	DMC 10	M8	6X200	£98.00



HSK63A

Hydraulic Expansion Chucks

- HSK63A
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.005mm
- Balanced to G2.5 @ 25,000 RPM
- Spares - Pg. 155



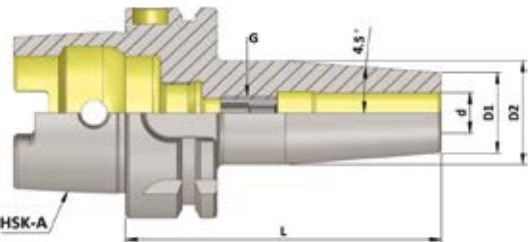
Part Number	Description	Dimensions (mm)					Form	Fig.	Price
		d	D1	G	L	L1			
OM32206	HSK63A HC12S	12	42	M10	80	40	AD	Fig. 1	£169.00
OM32208		12	42	M10	80	40	AD/B + Cool	Fig. 2	£228.00
OM32207	HSK63A HC20S	20	50	M16	80	42	AD	Fig. 1	£169.00
OM32209		20	50	M16	80	42	AD/B + Cool	Fig. 2	£228.00

HSK63A

Shrink Fit Chucks

- HSK63A (DIN 69893)
- Superior Clamping Strength & Rigidity
- Form AD/B
- 4.5 Degree
- Balanced G2.5 @ 25,000RPM

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30901	HSK63A SF 03	3mm	10	20	-	80	£108.00
OM30902			10	20	-	120	£129.00
OM30903			10	20	-	160	£149.00
OM30848	HSK63A SF 04	4mm	15	22	-	80	£108.00
OM30904			15	22	-	120	£129.00
OM30905			15	22	-	160	£149.00
OM30906	HSK63A SF 05	5mm	15	22	-	80	£108.00
OM30907			15	22	-	120	£129.00
OM30908			15	22	-	160	£149.00
OM30849	HSK63A SF 06	6mm	21	27	M5	80	£86.00
OM30850			21	27	M5	120	£104.00
OM30851			21	27	M5	160	£134.00
OM30852	HSK63A SF 08	8mm	21	27	M6	80	£86.00
OM30853			21	27	M6	120	£104.00
OM30854			21	27	M6	160	£134.00
OM30855	HSK63A SF 10	10mm	24	31	M8	85	£86.00
OM30856			24	31	M8	120	£104.00
OM30857			24	31	M8	160	£134.00
OM30858	HSK63A SF 12	12mm	24	31	M10	90	£86.00
OM30859			24	31	M10	120	£104.00
OM30860			24	31	M10	160	£134.00
OM30909	HSK63A SF 14	14mm	27	34	M10	90	£86.00
OM30910			27	34	M10	120	£104.00
OM30911			27	34	M10	160	£134.00
OM30861	HSK63A SF 16	16mm	27	34	M12	95	£86.00
OM30862			27	34	M12	120	£104.00
OM30863			27	34	M12	160	£134.00
OM30912	HSK63A SF 18	18mm	33	40	M12	95	£86.00
OM30913			33	40	M12	120	£104.00
OM30914			33	40	M12	160	£134.00
OM30864	HSK63A SF 20	20mm	33	40	M16	100	£86.00
OM30865			33	40	M16	120	£104.00
OM30866			33	40	M16	160	£134.00
OM30867	HSK63A SF 25	25mm	44	44	M16	115	£86.00
OM30868			44	44	M16	160	£134.00
OM30869	HSK63A SF 32	32mm	44	44	M16	120	£104.00
OM30870			44	44	M16	160	£134.00

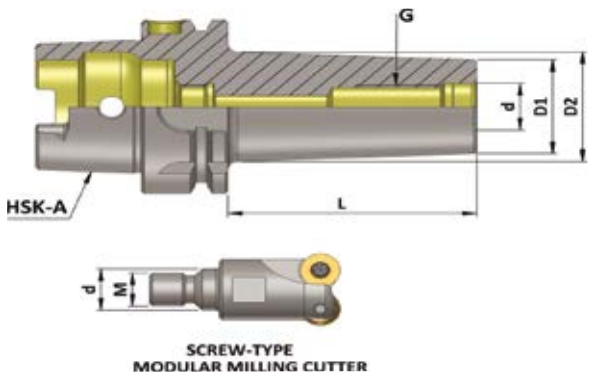


HSK63A

Milling Cutter Arbors

- HSK63A (DIN69893)
- Arbors for Screw Type Modular Milling Cutters
- Balanced to G2.5 @ 25,000RPM

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	G	L	
OM30984	HSK63A MCA 06	6.5	10	13	M6	25	£112.00
OM30985	HSK63A MCA 08	8.5	13	15	M8	25	£112.00
OM30986		8.5	13	23		50	£123.00
OM30987		8.5	13	23		75	£134.00
OM30988		8.5	13	23		100	£146.00
OM30989	HSK63A MCA 10	10.5	18	20	M10	25	£112.00
OM30990		10.5	18	23		50	£123.00
OM30991		10.5	18	28		75	£134.00
OM30992		10.5	18	32		100	£146.00
OM30993	HSK63A MCA 12	10.5	18	36.5	M12	150	£174.00
OM30994		12.5	21	24		25	£112.00
OM30995		12.5	21	24		50	£123.00
OM30996		12.5	21	31		75	£134.00
OM30997		12.5	21	33		100	£146.00
OM30998		12.5	21	40		150	£174.00
OM30776	HSK63A MCA 16	17	29	29	M16	25	£112.00
OM30777		17	29	34		50	£123.00
OM30778		17	29	34		75	£134.00
OM30779		17	29	36		100	£146.00
OM30780		17	29	42.5		150	£174.00



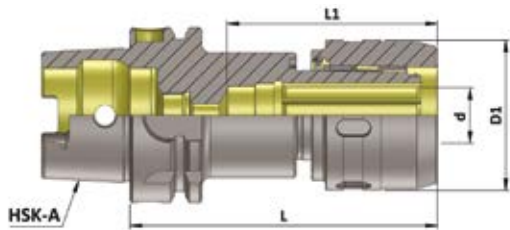
SCREW-TYPE
MODULAR MILLING CUTTER



HSK63A

Power Milling Chucks

- HSK63A (DIN69893)
- High Accuracy <0.005mm
- Power Milling Chucks are subjected to sub-zero treatment (-90° C). This helps prevent any deformation, increasing tool life
- Balanced G6.3 @ 20,000 RPM



- Straight Collets - Pg. 125
- Spares - Pg. 157

Part Number	Description	Dimensions (mm)				Price
		d	D1	L	L1	
OM31196	HSK63A UPMC 20	20	54	105	70	£179.00
OM31197	HSK63A UPMC 32	32	72	130	100	£196.00



HSK63A

End Mill Holders

- HSK63A (DIN 69893)
- For mounting straight shank tools with weldon flat
- Balanced G2.5 @ 20,000RPM

Part Number	Description	Bore Size	Gauge Length (mm)	Price
OM30751	HSK63A S/L 06	6mm	65	£64.00
OM30753			100	£79.00
OM30755			160	£98.00
OM30752	HSK63A S/L 08	8mm	65	£64.00
OM30754			100	£79.00
OM30756			160	£98.00
OM31506	HSK63A S/L 10	10mm	65	£64.00
OM31991			100	£79.00
OM30377			160	£98.00
OM31507	HSK63A S/L 12	12mm	80	£64.00
OM31992			100	£79.00
OM30378			160	£98.00
OM31508	HSK63A S/L 16	16mm	80	£64.00
OM31993			100	£79.00
OM30379			160	£98.00
OM31509	HSK63A S/L 20	20mm	80	£64.00
OM31994			100	£79.00
OM30380			160	£98.00
OM31510	HSK63A S/L 25	25mm	110	£69.00
OM30381			160	£104.00
OM31995	HSK63A S/L 32	32mm	110	£72.00
OM30382			160	£109.00
OM30365	HSK63A S/L 40	40mm	125	£78.00
OM30383			160	£119.00



HSK63A
Face Mill Holders

- HSK63A (DIN 69893)
- For Mounting Face Mill Cutters
- Balanced G2.5 @ 25,000 RPM

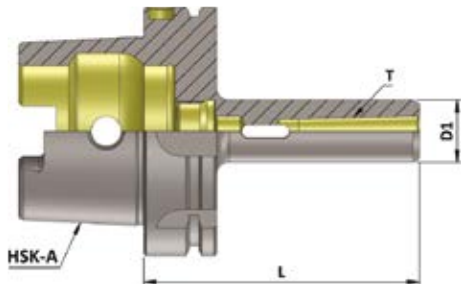
Part Number	Description	Spigot Size	Gauge Length (mm)	Price
OM31511	HSK63A FMB 16	16mm	50	£69.00
OM30384			100	£105.00
OM30385			160	£135.00
OM31512	HSK63A FMB 22	22mm	50	£69.00
OM30386			100	£84.00
OM30387			160	£135.00
OM31513	HSK63A FMB 27	27mm	60	£69.00
OM30388			100	£84.00
OM30389			160	£135.00
OM31514	HSK63A FMB 32	32mm	60	£69.00
OM30390			100	£120.00
OM30391			160	£150.00
OM30392	HSK63A FMB 40	40mm	60	£69.00
OM30393			100	£130.00
OM30394			160	£155.00



HSK63A
Morse Taper Adaptors

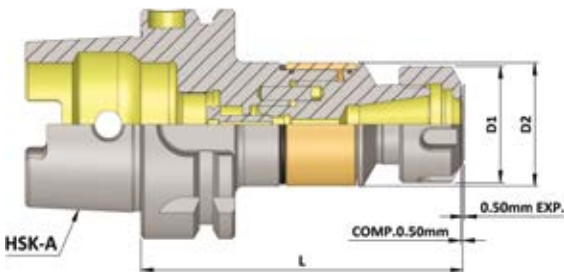
- HSK63A (DIN 69893)
- For Tools with Morse Taper Shank & Tang
- Balanced G6.3 @ 20,000 RPM

Part Number	Description	D1	L	Price
OM33495	HSK63A MTA 1	25	100	£76.00
OM33496	HSK63A MTA 2	32	115	£76.00
OM33497	HSK63A MTA 3	40	135	£78.00
OM33498	HSK63A MTA 4	48	160	£81.00



HSK63A
MLC Synchro Tapping Chucks

- HSK63A
- Minimum Length Compensation Tapping Chucks
- +/-0.5mm Compression & Expansion
- High Concentricity Enables High Speed Tapping
- Recommended for use with QCTC Type Collets
- QCTC Collets - Pg. 126-131
- Spares - Pg. 154-157



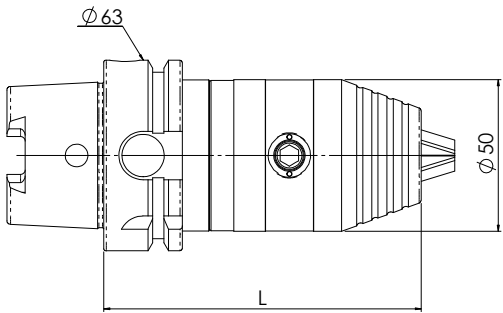
Part Number	Description	Capacity	Clamping Range (mm)	Collet Nut	Dimensions (mm)					Price
					D1	D2	L	Comp.	Exp.	
OM32472	HSK63A ER16 MLC	M3-M12	1-10	ER16	32	34	89	0.5	0.5	£210.00
OM32473	HSK63A ER20 MLC	M3-M16	3.5-10	ER20	35	34	90	0.5	0.5	£219.00
OM32474	HSK63A ER25 MLC	M3-M20	3.5-16	ER25	42	34	94	0.5	0.5	£219.00
OM32475	HSK63A ER32 MLC	M4-M27	3.5-20	ER32	50	45	105	0.5	0.5	£227.00
OM32476	HSK63A ER40 MLC	M6-M33	6-26	ER40	63	62	133.5	0.5	0.5	£236.00



HSK63A
Hex Drill Chucks

- Premium Drill Chucks
- Strong Clamping Force in both clockwise & anti-clockwise operations
- Increased wear-resistance with Titanium Jaws
- Spare Hex Key - Pg. 157

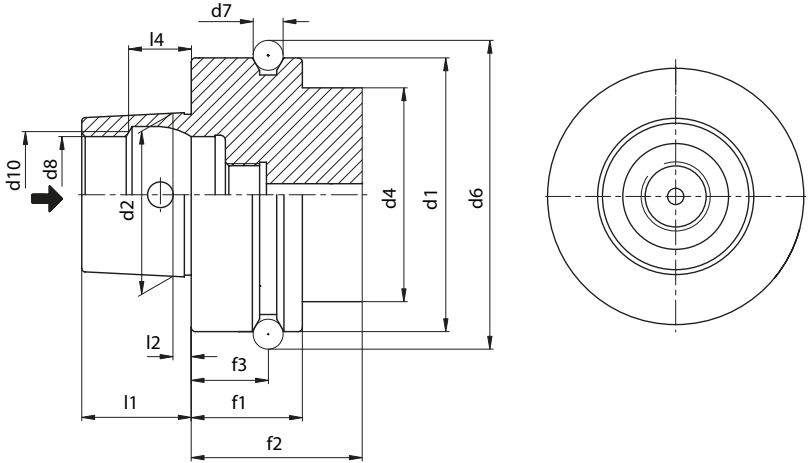
Part Number	Description	Capacity (mm)	L	Price
OM33666	HSK63A GHK 13-105	0.3-13	105	£209.00
OM33667	HSK63A GHK 16-110	1.5-16	110	£236.00



HSK63F

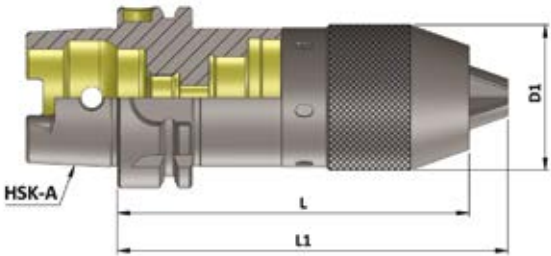
HSK63F (DIN69893F)
TECHNICAL SPECIFICATION

	HSK 50	HSK 63
d1	50	63
d2	30	38
d4	42	53
d6	59.3	72.3
d7	7	7
d8	21	26
d10	23	29
f1	26	26
f2	42	42
f3	18	18
l1	20	25
l2	4	5
l4	11.42	14.13



HSK63A
NCDC Drill Chucks

- HSK63A
- High Accuracy Drill Chuck
- NCDC Spanner - Pg. 157



Part Number	Description	Dimensions (mm)				Price
		Capacity	D1	L	L1	
OM33657	HSK63A NCDC 1-13mm	1-13mm	50	122.5	135	£179.00



HSK63F
ER Collet Chucks

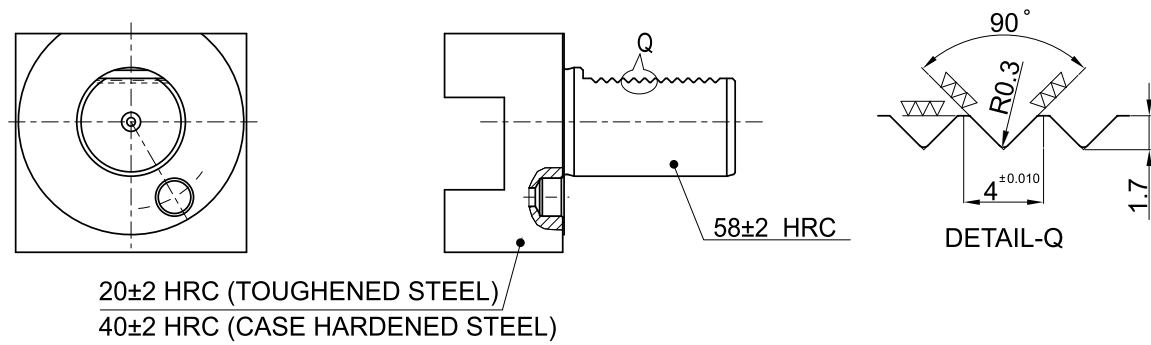
- HSK63F
- Standard Nut Collet Chucks
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Gauge Length (mm)	Balance	Price
OM31974	HSK63F ER16	70	G2.5 @ 25,000 RPM	£85.00
OM31515		100	G2.5 @ 25,000 RPM	£85.00
OM31516		160	G2.5 @ 25,000 RPM	£120.00
OM31975	HSK63F ER25	75	G2.5 @ 25,000 RPM	£85.00
OM31519		100	G2.5 @ 25,000 RPM	£85.00
OM31520		160	G2.5 @ 25,000 RPM	£120.00
OM31976	HSK63F ER32	75	G2.5 @ 25,000 RPM	£85.00
OM31521		100	G2.5 @ 25,000 RPM	£85.00
OM31522		160	G2.5 @ 25,000 RPM	£120.00

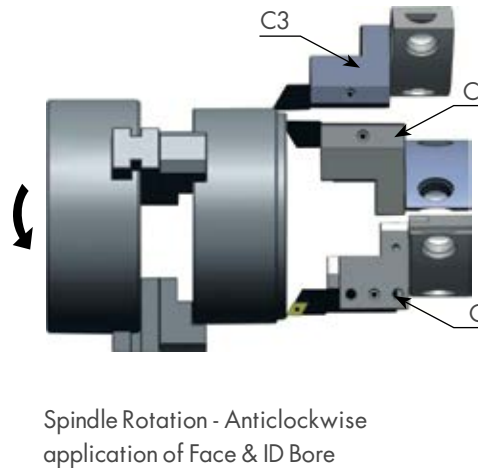
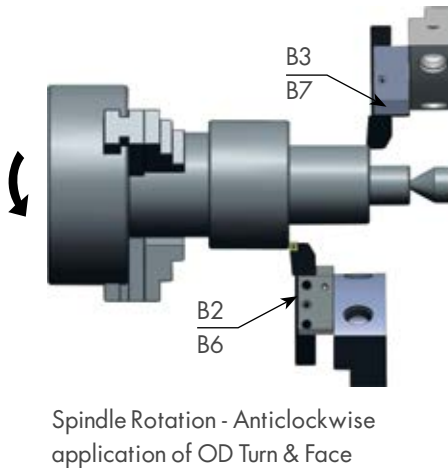
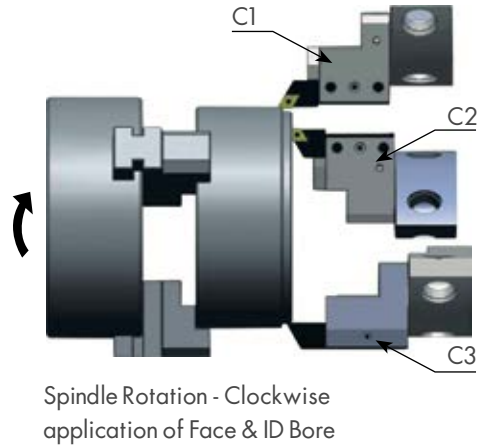
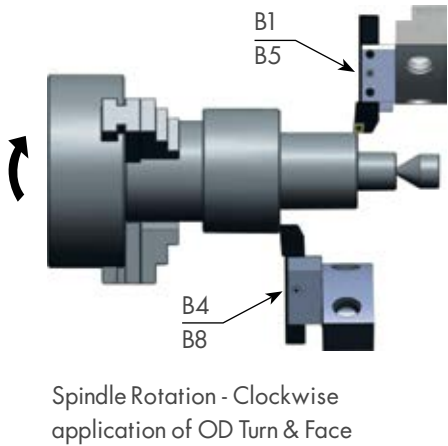


VDI (DIN69880)

VDI (DIN69880)
TECHNICAL SPECIFICATION



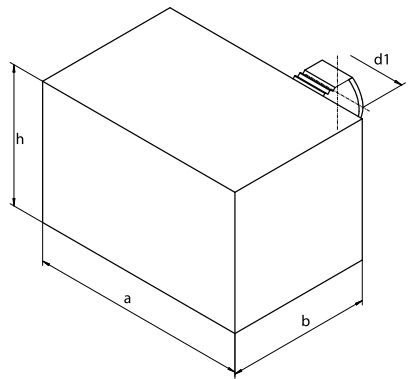
- VDI tool holders are manufactured to DIN69880 standard
- Form A, B, C, D, E1, E2 & Z holders are manufactured with toughened steel C-45
- Form E4 & F holders are manufactured with case hardened steel 20MnCr5
- All standard tool holders are fully blackened
- Tool holder shanks are heat treated to 58HRC and the teeth ground



VDI A1
Machineable Tool Blank

- VDI - DIN 69880 (ISO 10889)
- Rectangular Form

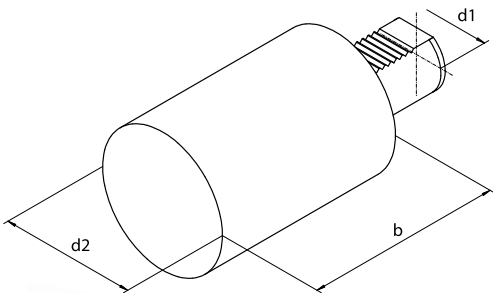
Part Number	Description	Dimensions (mm)				Price
		d1	a	b	h	
OM33298	VDI16 A1 - 44 x 78 x 44	16	78	44	44	£58.00
OM33210	VDI20 A1 - 65 x 100 x 60	20	100	65	60	£58.00
OM33299	VDI25 A1 - 75 x 100 x 60	25	100	75	60	£76.00
OM33211	VDI30 A1 - 85 x 130 x 60	30	130	85	60	£78.00
OM33212	VDI40 A1 - 100 x 151 x 96	40	151	100	96	£115.00
OM33213	VDI50 A1 - 125 x 160 x 120	50	160	125	120	£176.00
OM33300	VDI60 A1 - 160 x 165 x 125	60	165	160	125	£219.00



VDI A2
Machineable Tool Blank

- VDI - DIN 69880 (ISO 10889)
- Cylindrical Form

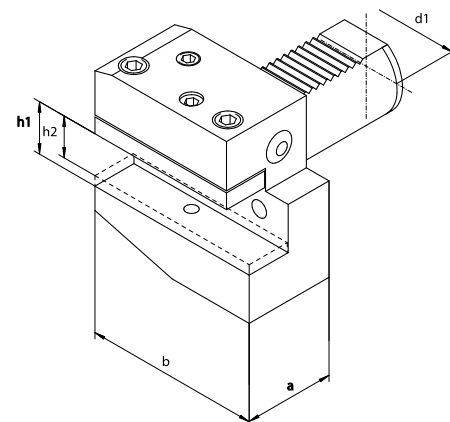
Part Number	Description	Dimensions (mm)			Price
		d1	b	d2	
OM33301	VDI16 A2 - 40 x 60	16	60	40	£49.00
OM33214	VDI20 A2 - 50 x 70	20	70	50	£49.00
OM33302	VDI25 A2 - 58 x 80	25	80	58	£55.00
OM33215	VDI30 A2 - 68 x 100	30	100	68	£58.00
OM33216	VDI40 A2 - 83 x 120	40	120	83	£65.00
OM33217	VDI50 A2 - 98 x 135	50	135	98	£78.00
OM33303	VDI60 A2 - 123 x 150	60	150	123	£119.00



VDI B1 Radial Holders, Right Hand, Short

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

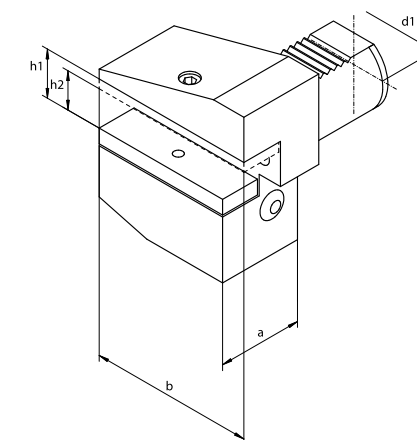
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33304	VDI16 B1 - 12 x 24	16	24	42	12	10	£49.00
OM33100	VDI20 B1 - 16 x 30	20	30	55	16	12	£49.00
OM33305	VDI25 B1 - 16 x 30	25	30	55	16	12	£49.00
OM33101	VDI30 B1 - 20 x 40	30	40	70	20	16	£49.00
OM33102	VDI40 B1 - 25 x 44	40	44	85	25	20	£52.00
OM33103	VDI50 B1 - 32 x 55	50	55	100	32	25	£84.00
OM33306	VDI60 B1 - 32 x 60	60	60	125	32	25	£129.00



VDI B3 Radial Overhead Holders, Right Hand, Short

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

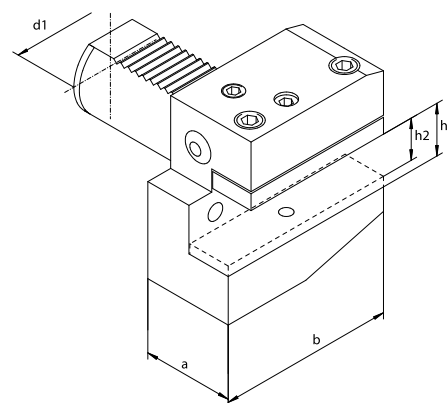
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33310	VDI16 B3 - 12 x 24	16	24	42	12	10	£49.00
OM33108	VDI20 B3 - 16 x 30	20	30	55	16	12	£49.00
OM33311	VDI25 B3 - 16 x 30	25	30	55	16	12	£49.00
OM33109	VDI30 B3 - 20 x 40	30	40	70	20	16	£49.00
OM33110	VDI40 B3 - 25 x 44	40	44	85	25	20	£52.00
OM33111	VDI50 B3 - 32 x 55	50	55	100	32	25	£84.00
OM33312	VDI60 B3 - 32 x 60	60	60	125	32	25	£129.00



VDI B2 Radial Holders, Left Hand, Short

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

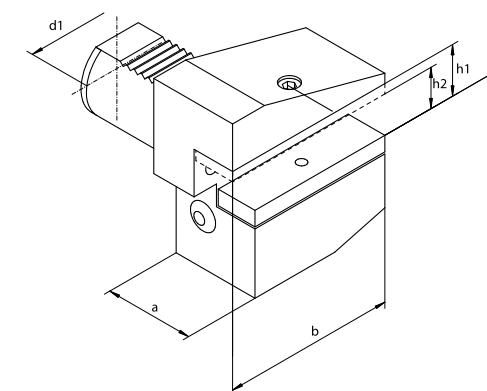
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33307	VDI16 B2 - 12 x 24	16	24	42	12	10	£49.00
OM33104	VDI20 B2 - 16 x 30	20	30	55	16	12	£49.00
OM33308	VDI25 B2 - 16 x 30	25	30	55	16	12	£49.00
OM33105	VDI30 B2 - 20 x 40	30	40	70	20	16	£49.00
OM33106	VDI40 B2 - 25 x 44	40	44	85	25	20	£52.00
OM33107	VDI50 B2 - 32 x 55	50	55	100	32	25	£84.00
OM33309	VDI60 B2 - 32 x 60	60	60	125	32	25	£129.00



VDI B4 Radial Overhead Holders, Left Hand, Short

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

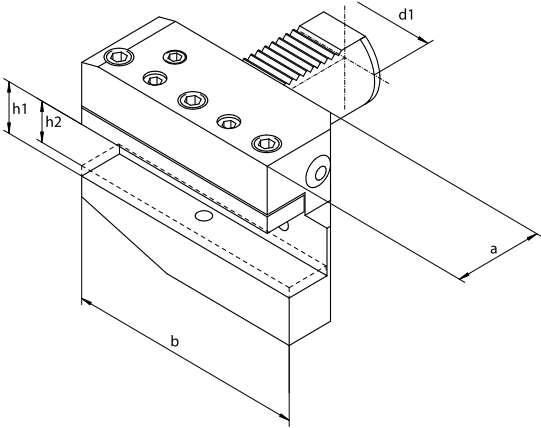
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33313	VDI16 B4 - 12 x 24	16	24	42	12	10	£49.00
OM33112	VDI20 B4 - 16 x 30	20	30	55	16	12	£49.00
OM33314	VDI25 B4 - 16 x 30	25	30	55	16	12	£49.00
OM33113	VDI30 B4 - 20 x 40	30	40	70	20	16	£49.00
OM33114	VDI40 B4 - 25 x 44	40	44	85	25	20	£52.00
OM33115	VDI50 B4 - 32 x 55	50	55	100	32	25	£84.00
OM33315	VDI60 B4 - 32 x 60	60	60	125	32	25	£129.00



VDI B5
Radial Holders, Right Hand Hand, Long

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

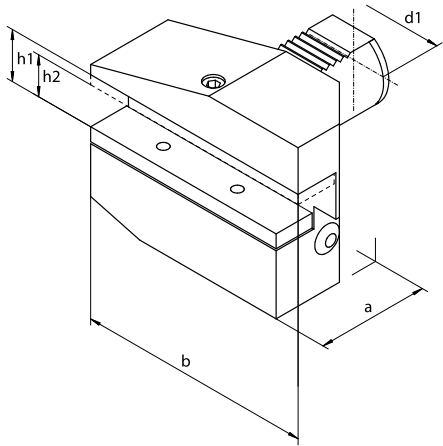
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33316	VDI16 B5 - 12 x 24	16	24	58	12	10	£97.00
OM33116	VDI20 B5 - 16 x 30	20	30	75	16	12	£97.00
OM33317	VDI25 B5 - 16 x 30	25	30	75	16	12	£107.00
OM33117	VDI30 B5 - 20 x 40	30	40	100	20	16	£107.00
OM33118	VDI40 B5 - 25 x 44	40	44	118	25	20	£113.00
OM33119	VDI50 B5 - 32 x 55	50	55	130	32	25	£148.00
OM33318	VDI60 B5 - 32 x 60	60	60	145	32	25	£204.00



VDI B7
Radial Overhead Holders, Right Hand Hand, Long

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

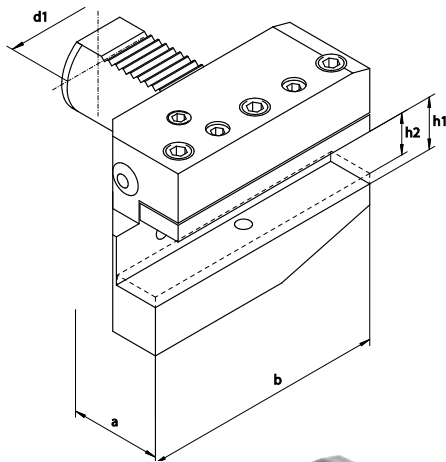
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33322	VDI16 B7 - 12 x 24	16	24	58	12	10	£97.00
OM33124	VDI20 B7 - 16 x 30	20	30	75	16	12	£97.00
OM33323	VDI25 B7 - 16 x 30	25	30	75	16	12	£107.00
OM33125	VDI30 B7 - 20 x 40	30	40	100	20	16	£107.00
OM33126	VDI40 B7 - 25 x 44	40	44	118	25	20	£113.00
OM33127	VDI50 B7 - 32 x 55	50	55	130	32	25	£148.00
OM33324	VDI60 B7 - 32 x 60	60	60	145	32	25	£204.00



VDI B6
Radial Holders, Left Hand Hand, Long

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

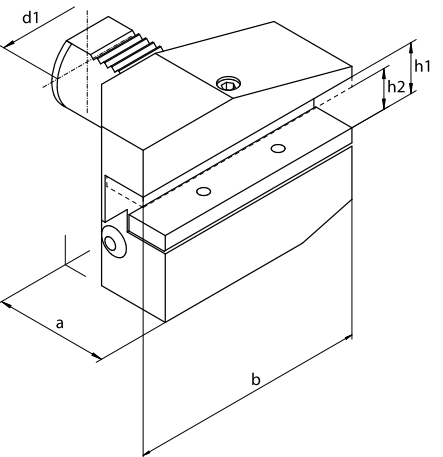
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33319	VDI16 B6 - 12 x 24	16	24	58	12	10	£97.00
OM33120	VDI20 B6 - 16 x 30	20	30	75	16	12	£97.00
OM33320	VDI25 B6 - 16 x 30	25	30	75	16	12	£107.00
OM33121	VDI30 B6 - 20 x 40	30	40	100	20	16	£107.00
OM33122	VDI40 B6 - 25 x 44	40	44	118	25	20	£113.00
OM33123	VDI50 B6 - 32 x 55	50	55	130	32	25	£148.00
OM33321	VDI60 B6 - 32 x 60	60	60	145	32	25	£204.00



VDI B8
Radial Overhead Holders, Left Hand Hand, Long

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

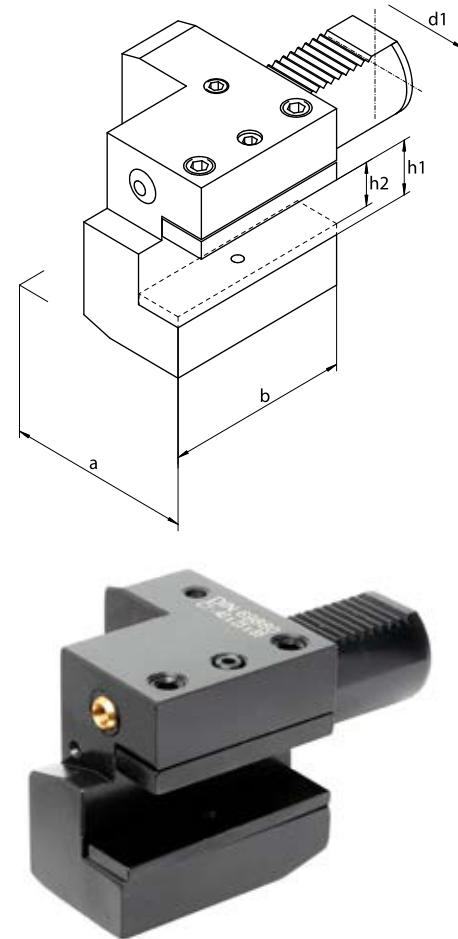
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33325	VDI16 B8 - 12 x 24	16	24	58	12	10	£97.00
OM33128	VDI20 B8 - 16 x 30	20	30	75	16	12	£97.00
OM33326	VDI25 B8 - 16 x 30	25	30	75	16	12	£107.00
OM33129	VDI30 B8 - 20 x 40	30	40	100	20	16	£107.00
OM33130	VDI40 B8 - 25 x 44	40	44	118	25	20	£113.00
OM33131	VDI50 B8 - 32 x 55	50	55	130	32	25	£148.00
OM33327	VDI60 B8 - 32 x 60	60	60	145	32	25	£204.00



VDI C1 Axial Holders, Right Hand

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

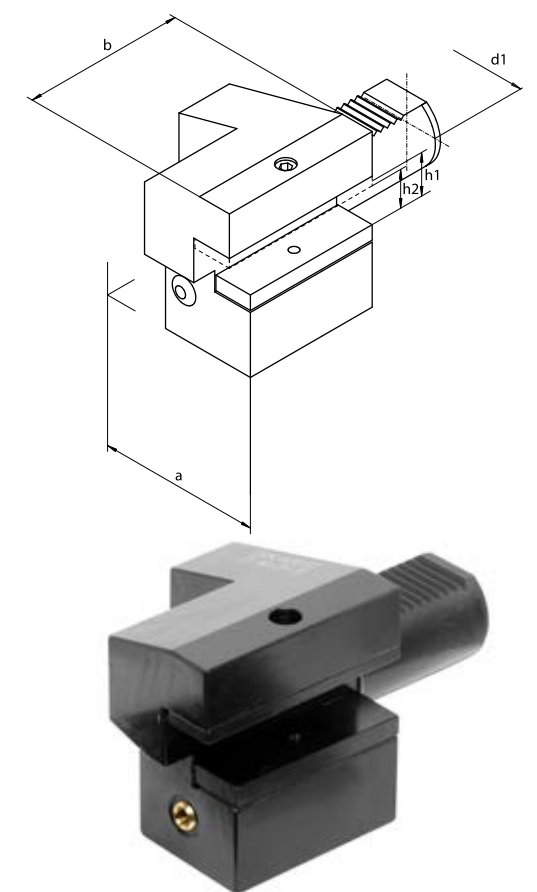
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33328	VDI16 C1 - 12 x 44	16	43	44	12	10	£56.00
OM33132	VDI20 C1 - 16 x 55	20	52	55	16	12	£56.00
OM33329	VDI25 C1 - 16 x 55	25	58	55	16	12	£56.00
OM33133	VDI30 C1 - 20 x 70	30	70	70	20	16	£58.00
OM33134	VDI40 C1 - 25 x 85	40	85	85	25	20	£67.00
OM33135	VDI50 C1 - 32 x 100	50	100	100	32	25	£91.00
OM33330	VDI60 C1 - 32 x 125	60	125	125	32	25	£168.00



VDI C3 Axial Overhead Holders, Right Hand

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

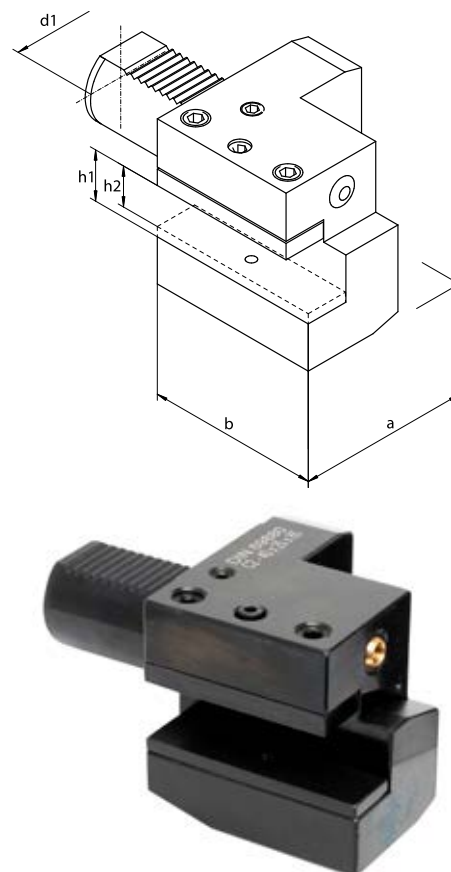
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33334	VDI16 C3 - 12 x 44	16	43	44	12	10	£56.00
OM33140	VDI20 C3 - 16 x 55	20	52	55	16	12	£56.00
OM33335	VDI25 C3 - 16 x 55	25	58	55	16	12	£56.00
OM33141	VDI30 C3 - 20 x 70	30	70	70	20	16	£58.00
OM33142	VDI40 C3 - 25 x 85	40	85	85	25	20	£67.00
OM33143	VDI50 C3 - 32 x 100	50	100	100	32	25	£91.00
OM33336	VDI60 C3 - 32 x 125	60	125	125	32	25	£168.00



VDI C2 Axial Holders, Left Hand

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

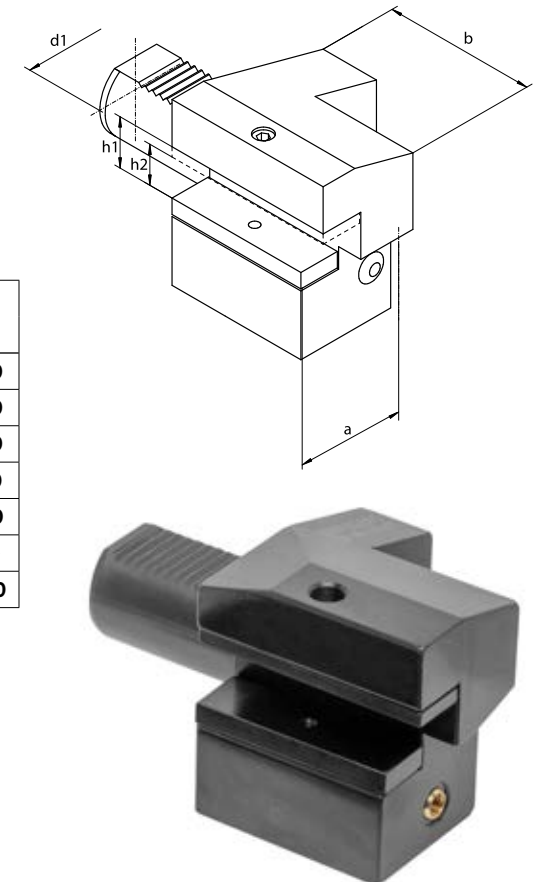
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33331	VDI16 C2 - 12 x 44	16	43	44	12	10	£56.00
OM33136	VDI20 C2 - 16 x 55	20	57	55	16	12	£56.00
OM33332	VDI25 C2 - 16 x 55	25	58	55	16	12	£56.00
OM33137	VDI30 C2 - 20 x 70	30	76	70	20	16	£58.00
OM33138	VDI40 C2 - 25 x 85	40	90	85	25	20	£67.00
OM33139	VDI50 C2 - 32 x 100	50	105	100	32	25	£91.00
OM33333	VDI60 C2 - 32 x 125	60	125	125	32	25	£168.00



VDI C4 Axial Overhead Holders, Left Hand

- VDI - DIN 69880 (ISO 10889)
- For Square Shank Tools

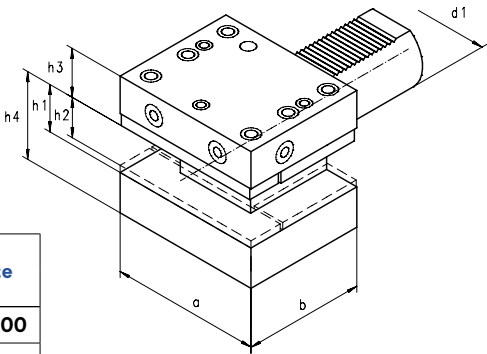
Part Number	Description	Dimensions (mm)					Price
		d1	a	b	h1	h2	
OM33337	VDI16 C4 - 12 x 44	16	43	44	12	10	£56.00
OM33144	VDI20 C4 - 16 x 55	20	57	55	16	12	£56.00
OM33338	VDI25 C4 - 16 x 55	25	58	55	16	12	£56.00
OM33145	VDI30 C4 - 20 x 70	30	76	70	20	16	£58.00
OM33146	VDI40 C4 - 25 x 85	40	90	85	25	20	£67.00
OM33147	VDI50 C4 - 32 x 100	50	105	100	32	25	£91.00
OM33339	VDI60 C4 - 32 x 125	60	125	125	32	25	£168.00



VDI D1
Multiple Square Seat Holders

- VDI - DIN 69880 (ISO 10889)

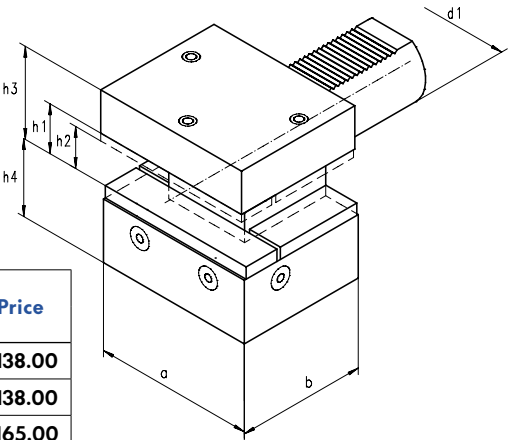
Part Number	Description	Dimensions (mm)							Price
		d1	a	b	h1	h2	h3	h4	
OM33340	VDI25 D1 - 16 x 48	25	66	48	16	12	25	30	£138.00
OM33240	VDI30 D1 - 20 x 60	30	76	60	20	16	28	38	£138.00
OM33241	VDI40 D1 - 25 x 72	40	90	72	25	20	32.5	48	£165.00
OM33242	VDI50 D1 - 32 x 85	50	105	85	32	25	35	60	£186.00
OM33341	VDI60 D1 - 32 x 110	60	115	110	32	25	42.5	62.5	£204.00



VDI D2
Multiple Square Seat Holders

- VDI - DIN 69880 (ISO 10889)

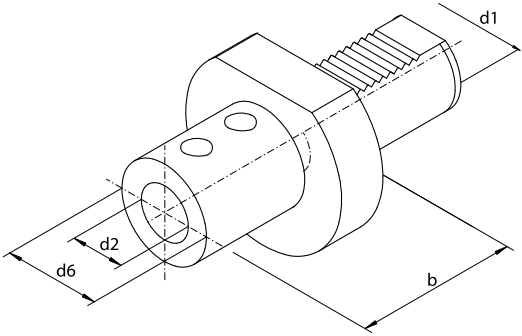
Part Number	Description	Dimensions (mm)							Price
		d1	a	b	h1	h2	h3	h4	
OM33342	VDI25 D2 - 16 x 48	25	66	48	16	12	30	25	£138.00
OM33243	VDI30 D2 - 20 x 60	30	76	60	20	16	38	35	£138.00
OM33244	VDI40 D2 - 25 x 72	40	90	72	25	20	48	42.5	£165.00
OM33245	VDI50 D2 - 32 x 85	50	105	85	32	25	60	50	£186.00
OM33343	VDI60 D2 - 32 x 110	60	115	110	32	25	62.5	62.5	£204.00



VDI E1
Indexable Drill Holder

- VDI - DIN 69880 (ISO 10889)
- For Clamping Indexable Drills

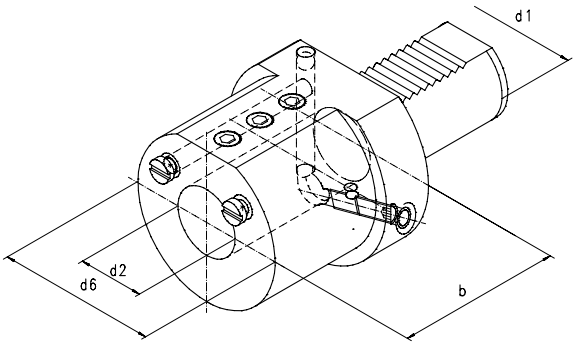
Part Number	Description	Dimensions (mm)				Price
		d1	d2	d6	b	
OM33148	VDI20 E1	20	20	40	67	£54.00
OM33149			25	45	71	£54.00
OM33344	VDI25 E1	25	20	40	67	£54.00
OM33345			25	45	71	£54.00
OM33150	VDI30 E1	30	20	40	67	£52.00
OM33151			25	45	71	£52.00
OM33152			32	52	75	£52.00
OM33153	VDI40 E1	40	20	40	67	£59.00
OM33154			25	45	75	£59.00
OM33155			32	52	75	£59.00
OM33156	VDI50 E1	50	40	65	90	£59.00
OM33157			20	40	67	£73.00
OM33158			25	45	80	£73.00
OM33159			32	52	80	£73.00
OM33160	VDI60 E1	60	40	65	90	£73.00
OM33161			50	75	100	£73.00
OM33346			20	40	80	£109.00
OM33347			25	45	80	£109.00
OM33348			32	52	80	£109.00
OM33349			40	65	90	£109.00
OM33350			50	75	100	£109.00



VDI E2
Boring Bar Holder

- VDI - DIN 69880 (ISO 10889)
- For clamping Boring Bars

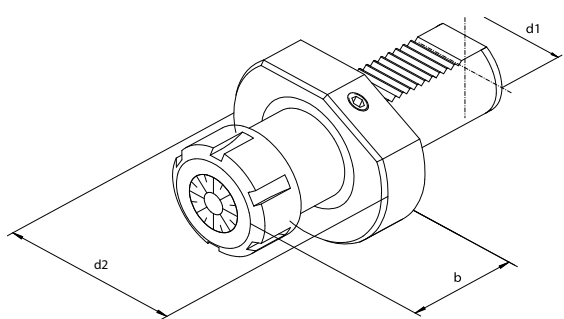
Part Number	Description	Dimensions (mm)				Price
		d1	d2	d6	b	
OM33351	VDI16 E2	16	6	40	44	£51.00
OM33352			8	40	44	£51.00
OM33353			10	40	44	£51.00
OM33354			12	40	44	£51.00
OM33355			16	40	44	£51.00
OM33162	VDI20 E2	20	8	40	50	£49.00
OM33163			10	40	50	£49.00
OM33164			12	40	50	£49.00
OM33165			16	40	50	£49.00
OM33166			20	50	50	£49.00
OM33167	VDI25 E2	25	25	50	60	£49.00
OM33356			8	40	50	£54.00
OM33357			10	40	50	£54.00
OM33358			12	40	50	£54.00
OM33359			16	40	50	£54.00
OM33360	VDI30 E2	30	20	58	50	£54.00
OM33361			25	58	60	£54.00
OM33168			8	55	60	£51.00
OM33169			10	55	60	£51.00
OM33170			12	55	60	£51.00
OM33171	VDI40 E2	40	16	55	60	£51.00
OM33172			20	55	60	£51.00
OM33173			25	55	60	£51.00
OM33174			32	68	75	£51.00
OM33175			8	55	75	£54.00
OM33176	VDI50 E2	50	10	55	75	£54.00
OM33177			12	55	75	£54.00
OM33178			16	55	75	£54.00
OM33179			20	55	75	£54.00
OM33180			25	55	75	£54.00
OM33181	VDI60 E2	60	32	83	75	£54.00
OM33182			40	83	90	£54.00
OM33183			12	68	90	£68.00
OM33184			16	68	90	£68.00
OM33185			20	68	90	£68.00
OM33186	VDI16 E4	16	25	68	90	£68.00
OM33187			32	68	90	£68.00
OM33188			40	98	90	£68.00
OM33189			50	98	100	£68.00
OM33362			16	68	90	£112.00
OM33363	VDI20 E4	20	20	68	90	£112.00
OM33364			25	68	90	£112.00
OM33365			32	68	90	£112.00
OM33366			40	98	90	£112.00
OM33367			50	98	100	£112.00



VDI E4
ER Collet Chucks

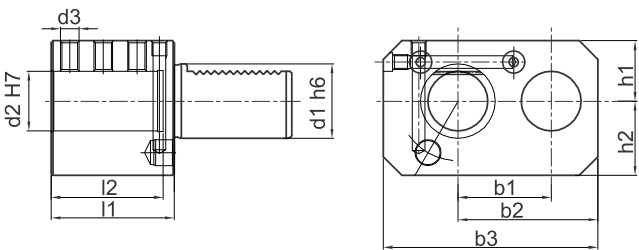
- VDI - DIN 69880 (ISO 10889)
- Standard ER Collet System

Part Number	Description	Collet Size	Dimensions (mm)			Price
			d1	d2	b	
OM33368	VDI16 E4	ER16	16	40	34.5	£72.00
OM33369		ER20		40	44	£72.00
OM33429	VDI20 E4	ER16	20	50	44	£72.00
OM33190		ER25		50	44	£72.00
OM33191		ER32		50	50	£72.00
OM33370	VDI25 E4	ER20	25	58	44	£72.00
OM33371		ER25		58	57	£72.00
OM33372		ER32		58	62	£72.00
OM33192	VDI30 E4	ER25	30	68	57	£72.00
OM33193		ER32		68	62.5	£72.00
OM33194		ER40		68	70	£72.00
OM33430	VDI40 E4	ER25	40	83	62	£79.00
OM33195		ER32		83	62	£79.00
OM33196		ER40		83	75	£79.00
OM33431	VDI50 E4	ER32	50	98	75	£118.00
OM33197		ER40		98	75	£118.00
OM33373	VDI60 E4	ER32	60	123	75	£129.00
OM33374		ER40		123	75	£129.00



VDI E7
Double Boring Bar Holder, Right Hand

- VDI - DIN 69880 (ISO 10889)

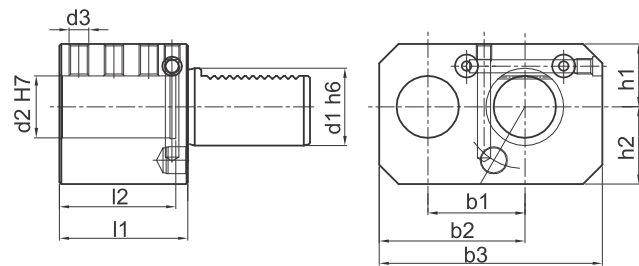


Part Number	Description	Dimensions (mm)										Price
		d1	d2	h1	h2	l1	l2	b1	b2	b3	d3	
OM33218	VDI20 E7	20	16	25	25	45	42	32	51	76	M8	£148.00
OM33219			20	25	25	45	42	32	51	76	M8	£148.00
OM33220	VDI30 E7	30	25	28	32	56	52	45	65	95	M8	£169.00
OM33221			32	28	32	66	60	50	75	110	M8	£169.00
OM33222	VDI40 E7	40	32	32.5	40	66	60	50	75	115	M10	£198.00
OM33223			40	32.5	40	90	80	50	75	115	M10	£198.00
OM33224	VDI50 E7	50	32	32.5	47.5	66	60	50	75	115	M12	£285.00
OM33225			40	32.5	47.5	90	80	50	75	115	M12	£285.00
OM33226			50	35	49	115	100	68	103	154	M12	£285.00



VDI E8
Double Boring Bar Holder, Left Hand

- VDI - DIN 69880 (ISO 10889)



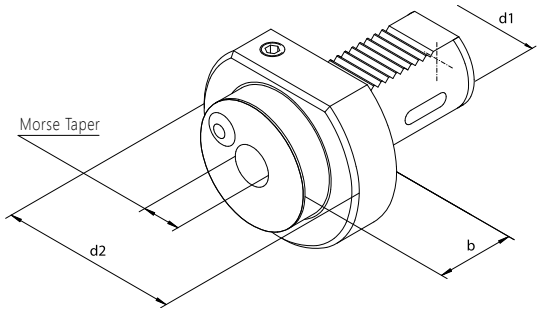
Part Number	Description	Dimensions (mm)										Price
		d1	d2	h1	h2	l1	l2	b1	b2	b3	d3	
OM33227	VDI20 E8	20	16	25	25	45	42	32	51	76	M8	£148.00
OM33228			20	25	25	45	42	32	51	76	M8	£148.00
OM33229	VDI30 E8	30	25	28	32	56	52	50	65	95	M8	£169.00
OM33230			32	28	32	66	60	50	75	110	M8	£169.00
OM33231	VDI40 E8	40	32	32.5	40	66	60	50	75	115	M10	£198.00
OM33232			40	32.5	40	90	80	50	75	115	M10	£198.00
OM33233	VDI50 E8	50	32	32.5	47.5	66	60	50	75	115	M12	£285.00
OM33234			40	32.5	47.5	90	80	50	75	115	M12	£285.00
OM33235			50	35	49	115	100	68	103	152	M12	£285.00



VDI F
Morse Taper Shank Adaptor

- VDI - DIN 69880 (ISO 10889)
- For Tools with Morse Taper Shank

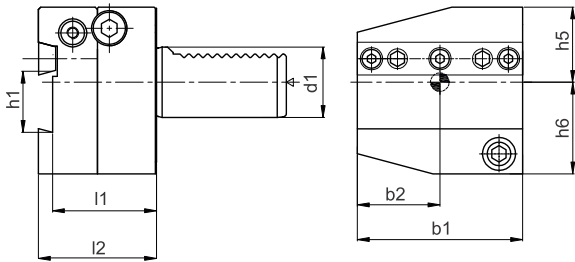
Part Number	Description	Morse Taper	Dimensions (mm)			Price
			d1	d2	b	
OM33375	VDI16 F1	1	16	40	50	£61.00
OM33376		2		40	87	£61.00
OM33198	VDI20 F1	1	20	50	23	£61.00
OM33377		2		50	61	£61.00
OM33378	VDI25 F1	1	25	58	23	£61.00
OM33379		2		58	27	£61.00
OM33199	VDI30 F1	1	30	68	27	£66.00
OM33200		2		68	27	£66.00
OM33380		3		68	73	£66.00
OM33381	VDI40 F1	1	40	83	36	£72.00
OM33201		2		83	36	£72.00
OM33202		3		83	36	£72.00
OM33203		4		83	80	£72.00
OM33382	VDI50 F1	1	50	98	36	£89.00
OM33204		2		98	36	£89.00
OM33205		3		98	36	£89.00
OM33206		4		98	50	£89.00
OM33383		5		98	169	£124.00
OM33384	VDI60 F1	2	60	123	36	£128.00
OM33385		3		123	36	£128.00
OM33386		4		123	50	£128.00
OM33387		5		123	63	£128.00



VDI AR
Part Off Blade Toolholder

- VDI - DIN 69880 (ISO 10889)
- Right Hand

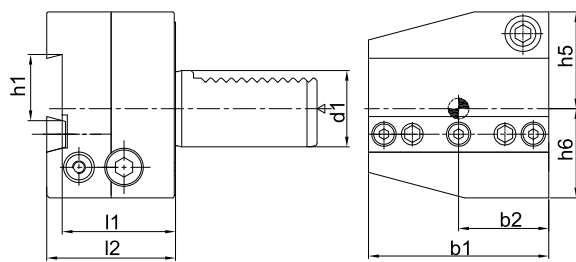
Part Number	Description	Dimensions (mm)								Price
		d1	b1	b2	h1	h5	h6	l1	l2	
OM33392	VDI20 AR 20 x 26	20	60	30	26	28	36	44	50	£171.00
OM33393	VDI25 AR 25 x 26	25	60	30	26	28	36	44	50	£182.00
OM33394	VDI30 AR 30 x 26	30	70	35	26	32	39	44	50	£198.00
OM33395	VDI30 AR 30 x 32	30	70	35	32	32	39	44	50	£198.00
OM33396	VDI40 AR 40 x 26	40	85	42.5	26	43	41.5	44	50	£234.00
OM33397	VDI40 AR 40 x 32	40	85	42.5	32	43	41.5	44	50	£234.00
OM33398	VDI50 AR 50 x 26	50	100	50	26	43	45	44	50	£340.00
OM33399	VDI50 AR 50 x 32	50	100	50	32	43	45	44	50	£340.00
OM33400	VDI60 AR 60 x 32	60	125	62.5	32	48	55	44	50	£635.00



VDI ARU
Part Off Blade Toolholder

- VDI - DIN 69880 (ISO 10889)
- Right Hand, Upside Down

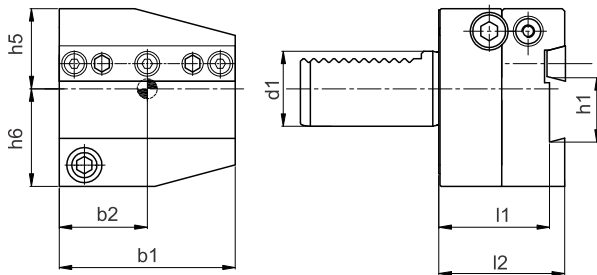
Part Number	Description	Dimensions (mm)								Price
		d1	b1	b2	h1	h5	h6	l1	l2	
OM33410	VDI20 ARU 20 x 26	20	50	30	26	36	28	44	50	£171.00
OM33411	VDI25 ARU 25 x 26	25	60	30	26	36	28	44	50	£182.00
OM33412	VDI30 ARU 30 x 26	30	70	35	26	38	35	44	50	£198.00
OM33413	VDI30 ARU 30 x 32	30	70	35	32	38	35	44	50	£198.00
OM33414	VDI40 ARU 40 x 26	40	85	42.5	26	43	41.5	44	50	£234.00
OM33415	VDI40 ARU 40 x 32	40	85	42.5	32	43	41.5	44	50	£234.00
OM33416	VDI50 ARU 50 x 26	50	100	50	26	43	45	44	50	£340.00
OM33417	VDI50 ARU 50 x 32	50	100	50	32	43	45	44	50	£340.00
OM33418	VDI60 ARU 60 x 32	60	125	62.5	32	48	55	44	50	£635.00



VDI AL
Part Off Blade Toolholder

- VDI - DIN 69880 (ISO 10889)
- Left Hand

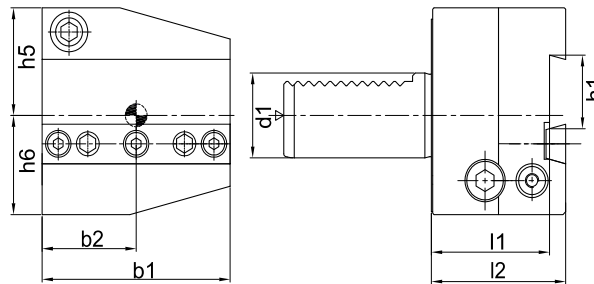
Part Number	Description	Dimensions (mm)								Price
		d1	b1	b2	h1	h5	h6	l1	l2	
OM33401	VDI20 AL 20 x 26	20	60	30	26	28	36	44	50	£171.00
OM33402	VDI25 AL 25 x 26	25	60	30	26	28	36	44	50	£182.00
OM33403	VDI30 AL 30 x 26	30	70	35	26	32	39	44	50	£198.00
OM33404	VDI30 AL 30 x 32	30	70	35	32	32	39	44	50	£198.00
OM33405	VDI40 AL 40 x 26	40	85	42.5	26	43	41.5	44	50	£234.00
OM33406	VDI40 AL 40 x 32	40	85	42.5	32	43	41.5	44	50	£234.00
OM33407	VDI50 AL 50 x 26	50	100	50	26	43	45	44	50	£340.00
OM33408	VDI50 AL 50 x 32	50	100	50	32	43	45	44	50	£340.00
OM33409	VDI60 AL 60 x 32	60	125	62.5	32	48	55	44	50	£635.00



VDI ALU
Part Off Blade Toolholder

- VDI - DIN 69880 (ISO 10889)
- Left Hand, Upside Down

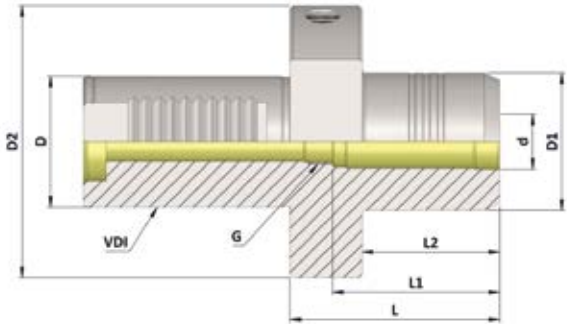
Part Number	Description	Dimensions (mm)								Price
		d1	b1	b2	h1	h5	h6	l1	l2	
OM33419	VDI20 ALU 20 x 26	20	50	30	26	36	28	44	50	£171.00
OM33420	VDI25 ALU 25 x 26	25	60	30	26	36	28	44	50	£182.00
OM33421	VDI30 ALU 30 x 26	30	70	35	26	38	35	44	50	£198.00
OM33422	VDI30 ALU 30 x 32	30	70	35	32	38	35	44	50	£198.00
OM33423	VDI40 ALU 40 x 26	40	85	42.5	26	43	41.5	44	50	£234.00
OM33424	VDI40 ALU 40 x 32	40	85	42.5	32	43	41.5	44	50	£234.00
OM33425	VDI50 ALU 50 x 26	50	100	50	26	43	45	44	50	£340.00
OM33426	VDI50 ALU 50 x 32	50	100	50	32	43	45	44	50	£340.00
OM33427	VDI60 ALU 60 x 32	60	125	62.5	32	48	55	44	50	£635.00



VDI HC
Hydraulic Expansion Chuck

- VDI - DIN 69880 (ISO 10889)
- Ultra Precision Hydraulic Chucks
- High Accuracy <0.003mm
- Spares - Pg. 155

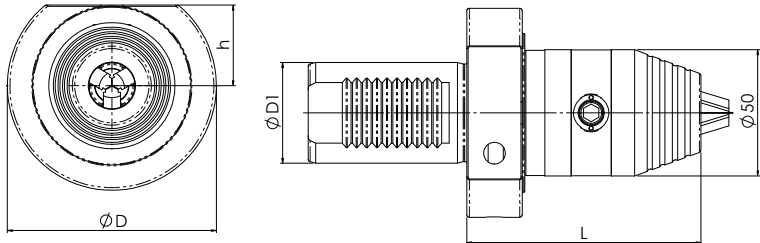
Part Number	Description	Dimensions (mm)									Price	
		VDI	d	D	D1	D2	G	L	L1	L2		
OM32210	VDI30 HC20	30	20	30	42	68	M16	64	51	42		£197.00
OM32211	VDI40 HC20	40	20	40	42	83	M20	64	51	42		£197.00
OM32212	VDI30 HC32	30	32	30	64	68	-	86	-	64		£197.00
OM32213	VDI40 HC32	40	32	40	64	83	-	86	-	64		£197.00



VDI DC
Hex Key Drill Chuck

- VDI - DIN 69880 (ISO 10889)
- High Accuracy Drill Chuck
- Strong Clamping Force
- Increased wear-resistance with Titanium Jaws
- Spare Hex Key - Pg. 157

Part Number	Description	Capacity (mm)	Dimensions (mm)				Price
			L	D	h	D1	
OM33668	VDI30 GHK 13-93	0.3-13	93	68	28	30	£219.00
OM33669	VDI40 GHK 13-93	0.3-13	93	83	32	40	£236.00



VDI Z2
Steel & Plastic Protection Plugs

- VDI - DIN 69880 (ISO 10889)

Part Number	VDI (d1)	Material	Price
OM33388	VDI16 Z2	Steel	£24.00
OM33246	VDI20 Z2		£24.00
OM33389	VDI 25 Z2		£24.00
OM33247	VDI30 Z2		£27.00
OM33248	VDI40 Z2		£34.00
OM33249	VDI50 Z2		£40.00
OM33390	VDI60 Z2		£65.00



Part Number	VDI (d1)	Material	Price
OM33391	VDI25 Z2	Plastic	£10.00
OM33250	VDI30 Z2		£10.00
OM33251	VDI40 Z2		£10.00
OM33252	VDI50 Z2		£15.00

VDI Clamp Plates

Part Number	Specification	Clamp Plate Suits:	Price
OM32009	CP16-36x10x4	VDI16 B1-B4, C1-C4	£7.00
OM32010	CP20-47x13x5	VDI20 B1-B4, C1-C4	£7.00
OM32011	CP25-47x13x5	VDI25 B1-B4, C1-C4	£7.00
OM32012	CP30-59x17x8	VDI30 B1-B4, C1-C4	£8.00
OM32013	CP40-71.5x21x8	VDI40 B1-B4, C1-C4	£8.00
OM32014	CP50-83x24x8	VDI50 B1-B4, C1-C4	£10.00
OM32015	CP60-108x29x8	VDI60 B1-B4, C1-C4	£12.00
OM32070	CP16-52x10x4	VDI16 B5-B8	£7.00
OM32091	CP20-67x13x5	VDI20 B5-B8	£8.00
OM32092	CP25-67x13x5	VDI25 B5-B8	£8.00
OM32093	CP30-89x17x8	VDI30 B5-B8	£10.00
OM32094	CP40-104.5x21x8	VDI40 B5-B8	£12.00
OM32095	CP50-113x24x8	VDI50 B5-B8	£13.00
OM32096	CP60-128x29x8	VDI60 B5-B8	£14.00



VDI Shim Plates

Part Number	Specification	Shim Plate Suits:	Price
OM32016	SP20-54x13x4	VDI20 B1-B4 C1-C4	£7.00
OM32017	SP25-54x13x4	VDI25 B1-B4 C1-C4	£7.00
OM32028	SP30-69x17x4	VDI30 B1-B4 C1-C4	£8.00
OM32043	SP40-84x21x5	VDI40 B1-B4 C1-C4	£8.00
OM32044	SP50-99x24x7	VDI50 B1-B4 C1-C4	£10.00
OM32045	SP60-124x29x7	VDI60 B1-B4 C1-C4	£12.00
OM32097	SP20-74x13x4	VDI20 B5-B8	£8.00
OM32098	SP25-74x13x4	VDI25 B5-B8	£8.00
OM32099	SP30-99x17x4	VDI30 B5-B8	£12.00
OM32100	SP40-117x21x5	VDI40 B5-B8	£13.00
OM32101	SP50-129x24x7	VDI50 B5-B8	£14.00
OM32102	SP60-114x29x7	VDI60 B5-B8	£16.00



VDI Coolant Nozzles

Part Number	Specification	Coolant Nozzle Suits:	Price
OM32046	MB10xM4	VDI16	£7.00
OM32047	MB12xM5	VDI20/25/30	£8.00
OM32048	MB14xM6	VDI40/50/60	£9.00



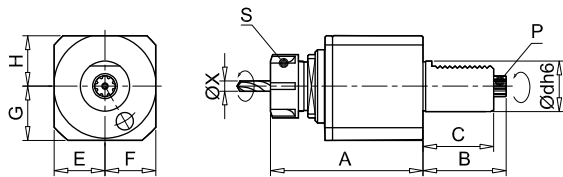
VDI O Rings

Part Number	Specification	O Ring Suits:	Price
OM32049	ZSRS-15x1.5	VDI16	£6.00
OM32050	ZSRS-18.77x1.78	VDI20	£7.00
OM32051	ZSRS-23.52x1.78	VDI25	£7.00
OM32052	ZSRS-28.30x1.78	VDI30	£8.00
OM32053	ZSRS-37.77x2.62	VDI40	£9.00
OM32054	ZSRS-47.29x2.62	VDI50	£10.00
OM32055	ZSRS-56.74x3.53	VDI60	£12.00



VDI ATH
Axial Tool Head
Square

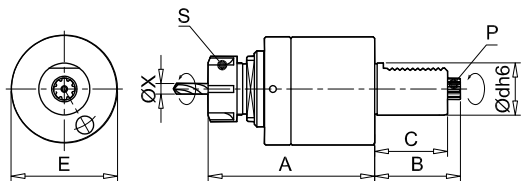
- DIN 5482
- VDI Driven Tool Holders



Part Number	Dimensions (mm)								i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H						
OM33432	30	94	55	45	30	30	30	28	1:1	6000	ER20	40	B15x12-9b	£429.00
OM33238	30	98.5	55	45	30	30	30	28	1:1	6000	ER25	40	B15x12-9b	£429.00
OM33433	40	123	63	53	41	41	43	40	1:1	5000	ER32	70	B17x14-9b	£748.00

VDI ATH
Axial Tool Head
Round, External Nut

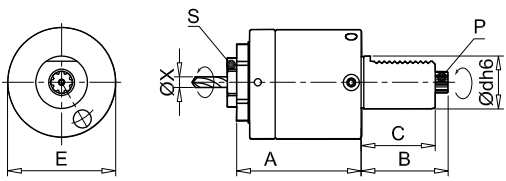
- DIN 5482
- VDI Driven Tool Holders



Part Number	Dimensions (mm)						i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	ØX						
OM33434	30	98.5	55	45	68	1-16	1:1	6000	ER25	40	B15x12-9b	£429.00
OM33435	40	120.5	63	53	83	1-2	1:1	5000	ER32	70	B17x14-9b	£748.00

VDI ATH
Axial Tool Head
Round, Internal Nut

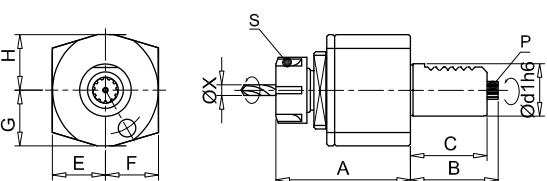
- DIN 5482
- VDI Driven Tool Holders



Part Number	Dimensions (mm)						i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	ØX						
OM33436	30	80	55	45	68	1-16	1:1	6000	ER25	40	B15x12-9b	£429.00
OM33437	40	95	63	53	83	1-20	1:1	5000	ER32	70	B17x14-9b	£748.00

VDI ATH
Axial Tool Head
Short

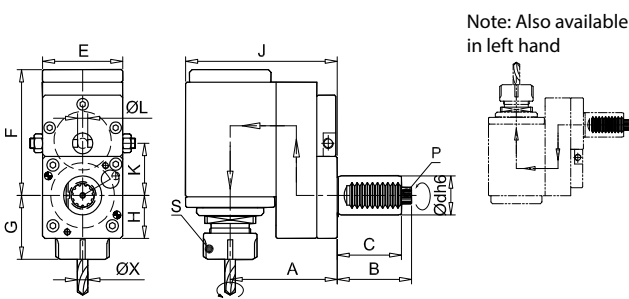
- DIN 5482
- VDI Driven Tool Holders



Part Number	Dimensions (mm)								i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H						
OM33438	30	78	55	45	35	35	33	33	1:1	4000	ER20	40	B15x12-9b	£756.00
OM33439	40	85	63	53	42.5	42.5	38	38	1:20	4000	ER32	70	B17x14-9b	£1,015.00

RTH
Radial Tool Head

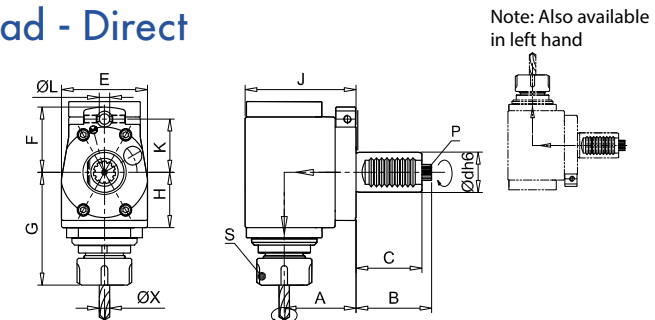
- DIN 5482
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33237	OM33479	30	89	55	45	63	96.5	49	33	124	40	8	1-16	1:1	6000	ER25	40	B15x12-9b	£1,095.00
OM33440	OM33480	40	98	63	53	80	108.5	43	43	138	63	10	1-20	1:1	5000	ER32	70	B17x14-9b	£1,229.00

RTH
Radial Tool Head - Direct

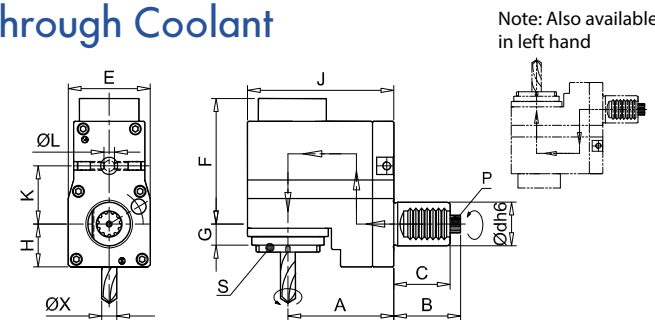
- DIN 5482
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33441	OM33481	30	55	55	45	66	53	84.5	41.5	85	40	8	1-16	1:1	6000	ER25	40	B15x12-9b	£1,095.00
OM33442	OM33482	40	64	63	53	76	74	90	43	98	63	10	1-20	1:1	5000	ER32	70	B17x14-9b	£1,229.00

RTH
Radial Tool Head
Internal Nut, Through Coolant

- DIN 5482
- VDI Driven Tool Holders

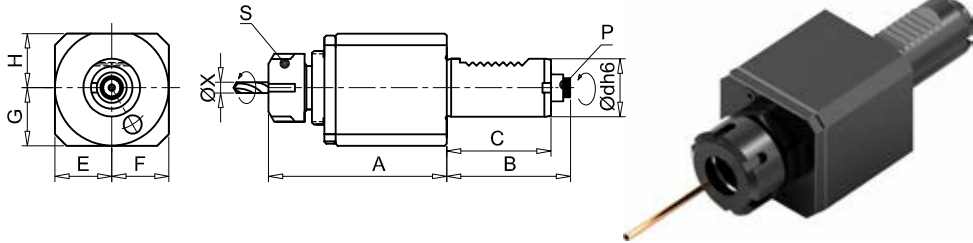


Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33443	OM33483	40	99.5	63	53	77	115.5	33	39.5	137.5	63	10	1-20	1:1	5000	ER32	70	B17x14-9b	£1,429.00

VDI ATH
Axial Tool Head
Square, External Nut

- DIN 5480
- VDI Driven Tool Holders

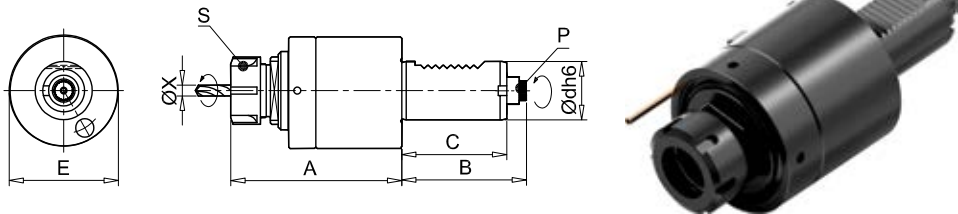
Part Number	Dimensions (mm)								i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H						
OM33444	16	65	42	32	21	25	21	21	1:1	6000	ER11	6.3	W8x0.8x30°x18-9b	£398.00
OM33207	20	94	51	40	30	30	27	28	1:13	6000	ER20	10	W10x0.8x30°x11-9b	£398.00
OM33445	30	94	67	55	30	30	30	28	1:13	6000	ER20	40	W16x0.8x30°x18-9b	£634.00
OM33297	30	98.5	67	55	30	30	30	28	1:16	6000	ER25	40	W16x0.8x30°x18-9b	£634.00
OM33236	40	123	75	63	41	41	43	40	1:20	5000	ER32	70	W20x0.8x30°x24-9b	£885.00



VDI ATH
Axial Tool Head
Round, External Nut

- DIN 5480
- VDI Driven Tool Holders

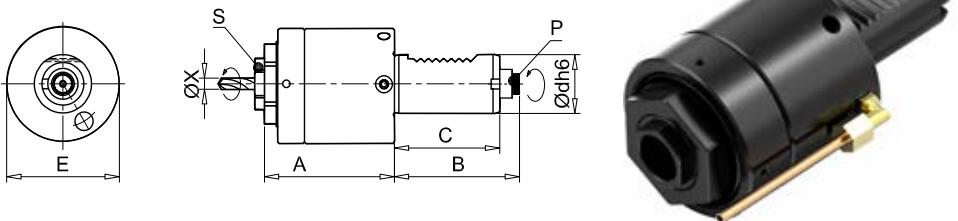
Part Number	Dimensions (mm)						i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	ØX						
OM33446	30	99.5	67	55	68	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£634.00
OM33447	40	124	75	63	83	1-20	1:1	5000	ER32	70	W20x0.8x30°x24-9b	£885.00



VDI ATH
Axial Tool Head
Round, Internal Nut

- DIN 5480
- VDI Driven Tool Holders

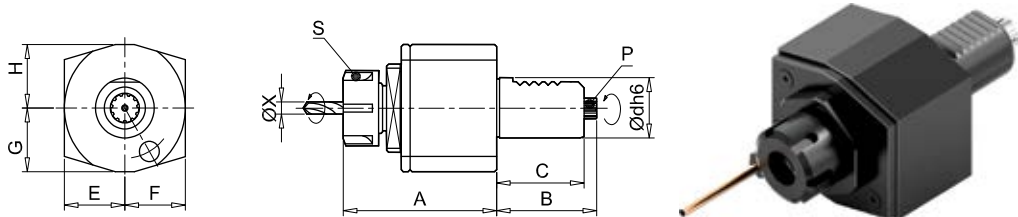
Part Number	Dimensions (mm)						i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	ØX						
OM33448	30	80	67	55	68	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£634.00
OM33449	40	95	75	63	83	1-20	1:1	5000	ER32	70	W20x0.8x30°x24-9b	£885.00



VDI ATH
Axial Tool Head
Short

- DIN 5480
- VDI Driven Tool Holders

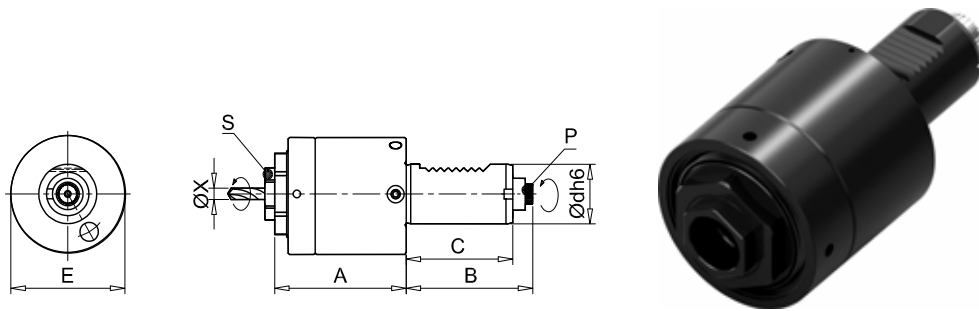
Part Number	Dimensions (mm)								i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H						
OM33450	20	76	51	40	31	31	35	28	1:10	4000	ER16	10	W10x0.8x30°x11-9b	£512.00



ATH
Axial Tool Head
Internal Nut,
Through Coolant

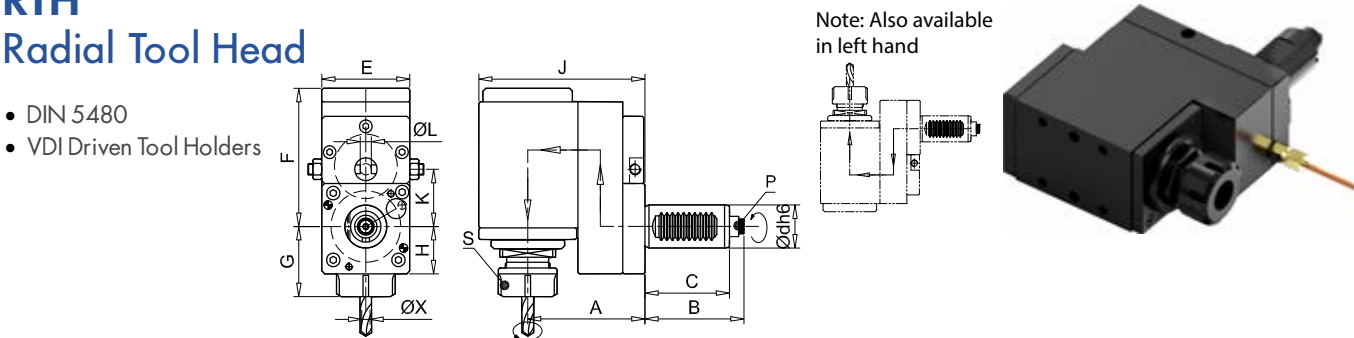
- DIN 5480
- VDI Driven Tool Holders

Part Number	Dimensions (mm)						i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	ØX						
OM33451	30	80	67	55	68	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£756.00
OM33452	40	95	75	83	83	1-20	1:1	5000	ER32	70	W20x0.8x30°x24-9b	£1,058.00



RTH
Radial Tool Head

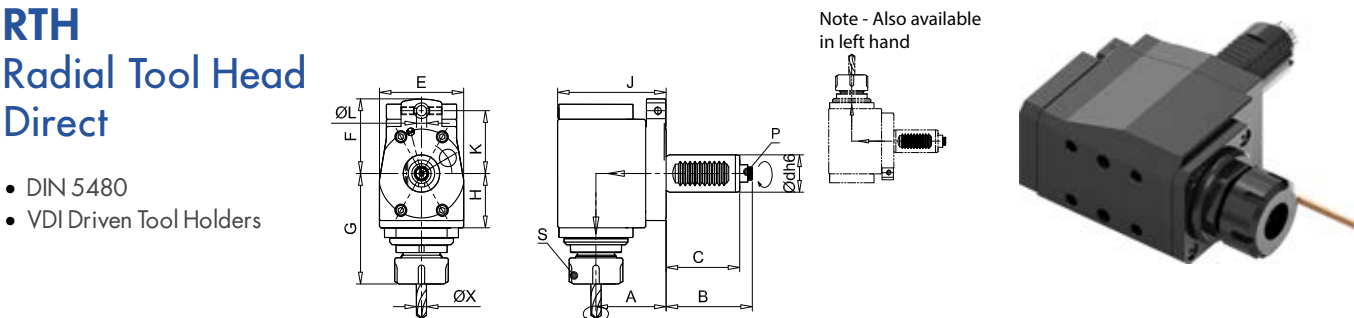
- DIN 5480
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33453	OM33484	20	57	51	40	50	70	49	33	119	40	8	1-16	1:1	6000	ER25	10	W10x-0.8x30°x11-9b	£812.00
OM33454	OM33485	30	89	67	55	63	96.5	49	33	124	48	8	1-16	1:1	6000	ER25	40	W16x-0.8x30°x18-9b	£1,398.00
OM33455	OM33486	40	98	75	63	80	108.5	43	43	138	56	10	1-20	1:1	5000	ER32	70	W20x-0.8x30°x24-9b	£1,585.00

RTH
Radial Tool Head
Direct

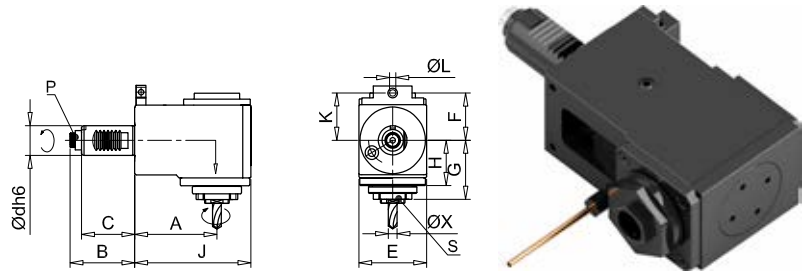
- DIN 5480
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33456	OM33487	16	34	42	32	42	61	46	25	50	54	8	1-7	1:1	6000	ER11	6.3	W8x-0.8x30°x18-9b	£812.00
OM33457	OM33488	30	55	67	55	66	53	84.5	41.5	85	48	8	1-16	1:1	6000	ER25	40	W16x-0.8x30°x18-9b	£1,249.00
OM33458	OM33489	40	64	75	63	76	69	90	43	98	56	10	1-20	1:1	5000	ER32	70	W20x-0.8x30°x24-9b	£1,365.00

VDI ATH
Axial Tool Head
For Radial Disc
Single End

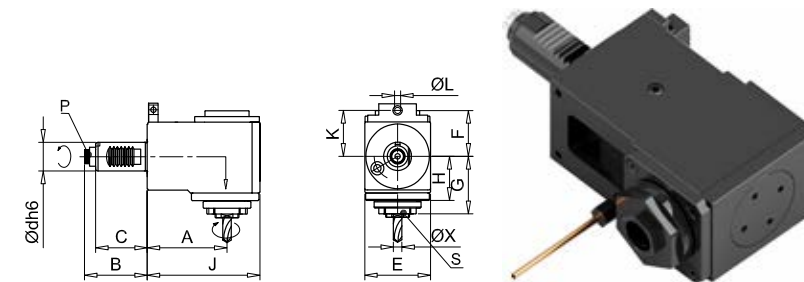
- DIN 5480
- VDI Driven Tool Holders



Part Number	Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33459	30	85	67	55	70	49.5	64.5	45.5	120	48	8	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£1,518.00
OM33460	40	100	75	63	76	54	74.5	53	144	56	10	1-20	1:1	5000	ER32	70	W20x0.8x30°x24-9b	£1,875.00

VDI ATH
Axial Tool Head
For Radial Disc
Single End - Through Coolant

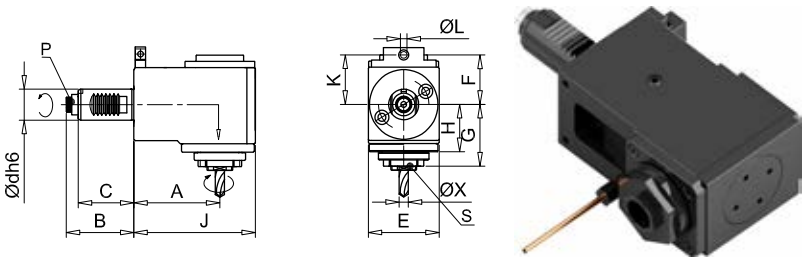
- DIN 5480
- VDI Driven Tool Holders



Part Number	Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33461	30	85	67	55	70	58.5	64.5	45.5	120	48	8	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£1,518.00
OM33462	40	100	75	63	76	64.5	74.5	53	144	56	10	1-20	1:1	5000	ER32	70	W20x0.8x30°x24-9b	£1,875.00

VDI ATH
Axial Tool Head For Radial Disc
Single End - Double Serration

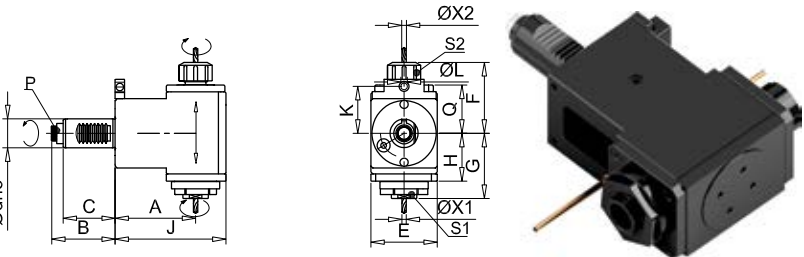
- DIN 5480
- VDI Driven Tool Holders



Part Number	Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Price
	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX						
OM33463	30	100	67	55	62	49.5	64.5	45.5	132	48	8	1-16	1:1	6000	ER25	40	W16x0.8x30°x18-9b	£1,589.00

VDI ATH
Axial Tool Head For Radial Disc
Double End

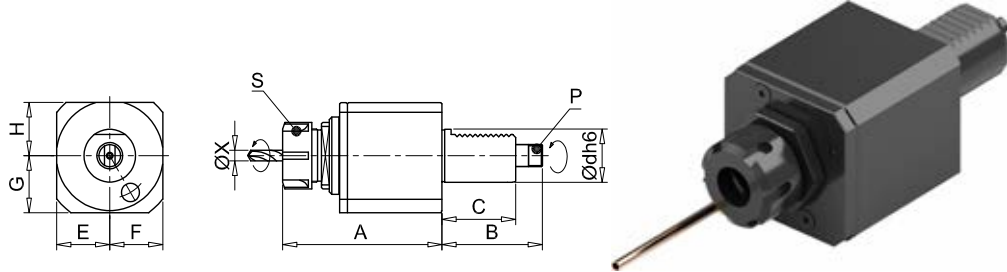
- DIN 5480
- VDI Driven Tool Holders



Part Number	Dimensions (mm)													S1	S2	i	Nmax RPM	T Nm	P	Price	
	dh6	A	B	C	E	F	G	H	J	K	Q	ØL	ØX1								ØX2
OM33464	30	85	67	55	70	75.5	68.5	49.5	117	48	50	8	1-16	1-13	ER25	ER20	1:1	6000	40	W16x0.8x30°x18-9b	£1,619.00
OM33465	30	100	67	55	62	75.5	68.5	49.5	132	48	50	8	1-16	1-13	ER25	ER20	1:1	6000	40	W16x0.8x30°x18-9b	£1,719.00
OM33466	40	100	75	63	76	78.5	74.5	53	141	56	53	10	1-20	1-13	ER32	ER20	1:1	5000	70	W20x0.8x30°x24-9b	£1,885.00
OM33467	40	120	75	63	76	78.5	74.5	53	161	56	53	10	1-20	1-13	ER32	ER20	1:1	5000	70	W20x0.8x30°x24-9b	£2,160.00

ATH
Axial Tool Head

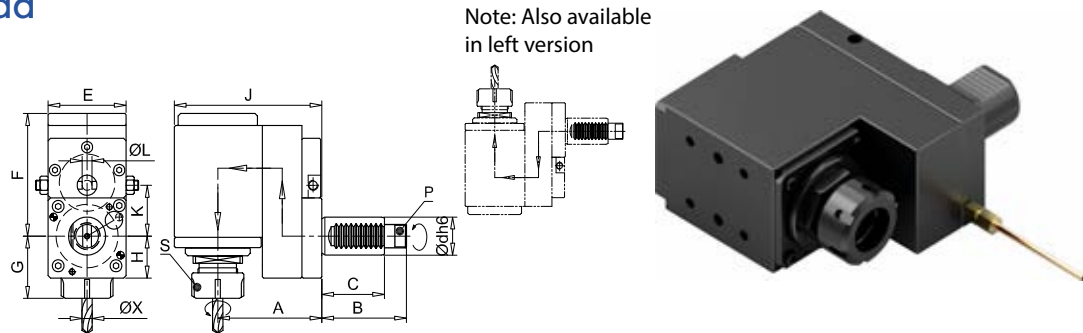
- DIN 1809
- VDI Driven Tool Holders



Part Number	Dimensions (mm)									i	Nmax RPM	S	T Nm	P	Turret Type	Price
	Ødh6	A	B	C	E	F	G	H	ØX							
OM33468	30	94	62	50.5	30	30	30	28	1-13	1:1	6000	ER20	40	Ø12x6x7	Diplomatic	£429.00
OM33469	30	98.5	62	50.5	30	30	30	28	1-16	1:1	6000	ER25	40	Ø12x6x7	Diplomatic	£429.00
OM33470	30	98.5	66.5	55	30	30	30	28	1-16	1:1	6000	ER25	40	Ø13.5x8x7	EWS	£429.00
OM33471	40	123	72	56	41	41	43	40	1-20	1:1	5000	ER32	70	Ø14x8x6.5	Diplomatic	£748.00

RTH
Radial Tool Head

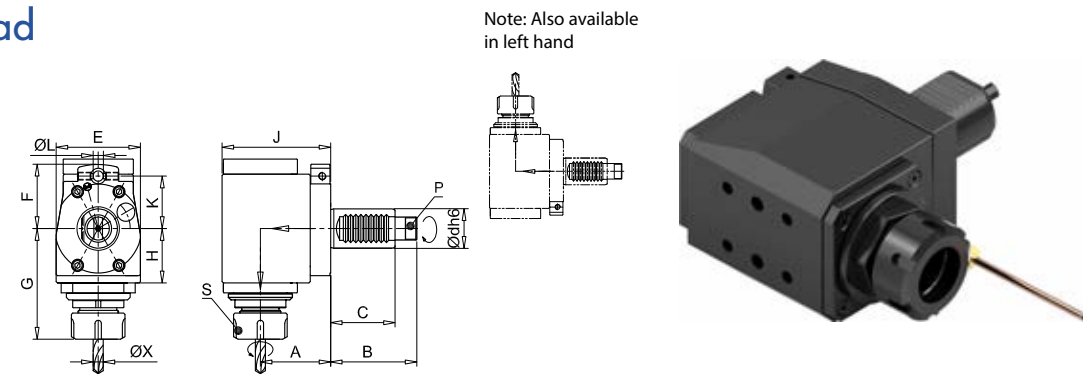
- DIN 1809
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Turret Type	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX							
OM33472	OM33490	30	84	62	50.5	63	96.5	49	33	119	40	8	1-16	1:1	6000	ER25	40	Ø12x6x7	Duplomatic	£1,095.00
OM33473	OM33491	30	84	66.5	55	63	96.5	49	33	119	40	8	1-16	1:1	6000	ER25	40	Ø13.5x8x7	EWS	£1,095.00
OM33474	OM33492	40	91	72	56	80	106.5	43	43	131	63	10	1-20	1:1	5000	ER32	70	Ø14x8x6.5	Duplomatic	£1,229.00

RTH
Radial Tool Head
Direct

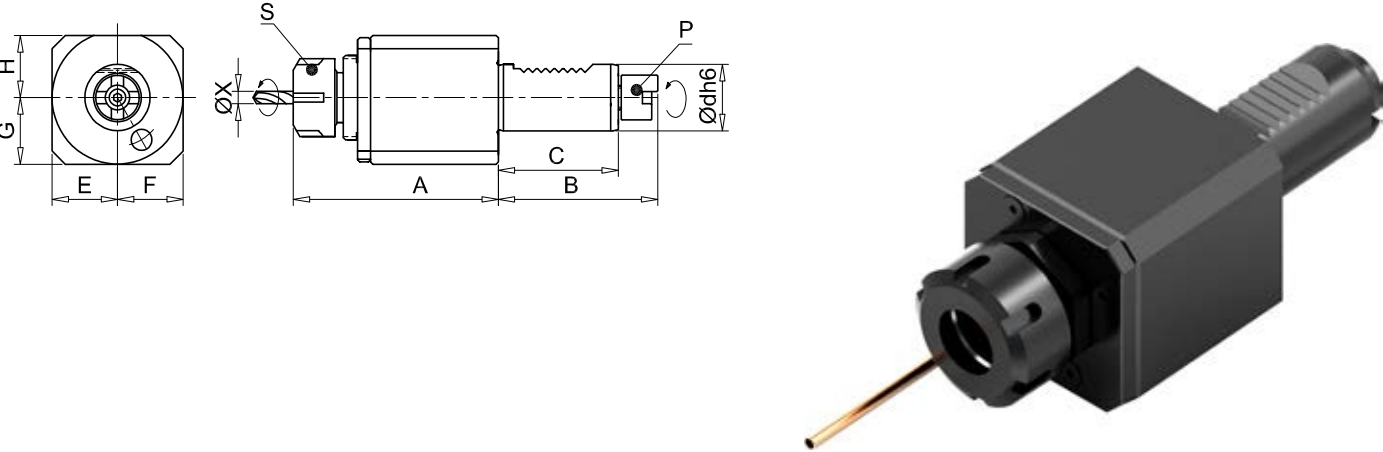
- DIN 1809
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Turret Type	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX							
OM33475	OM33493	30	55	62	50.5	66	53	84.5	41.5	85	40	8	1-16	1:1	6000	ER25	40	Ø12x6x7	Duplomatic	£1,095.00

ATH TOEM
Axial Tool Head

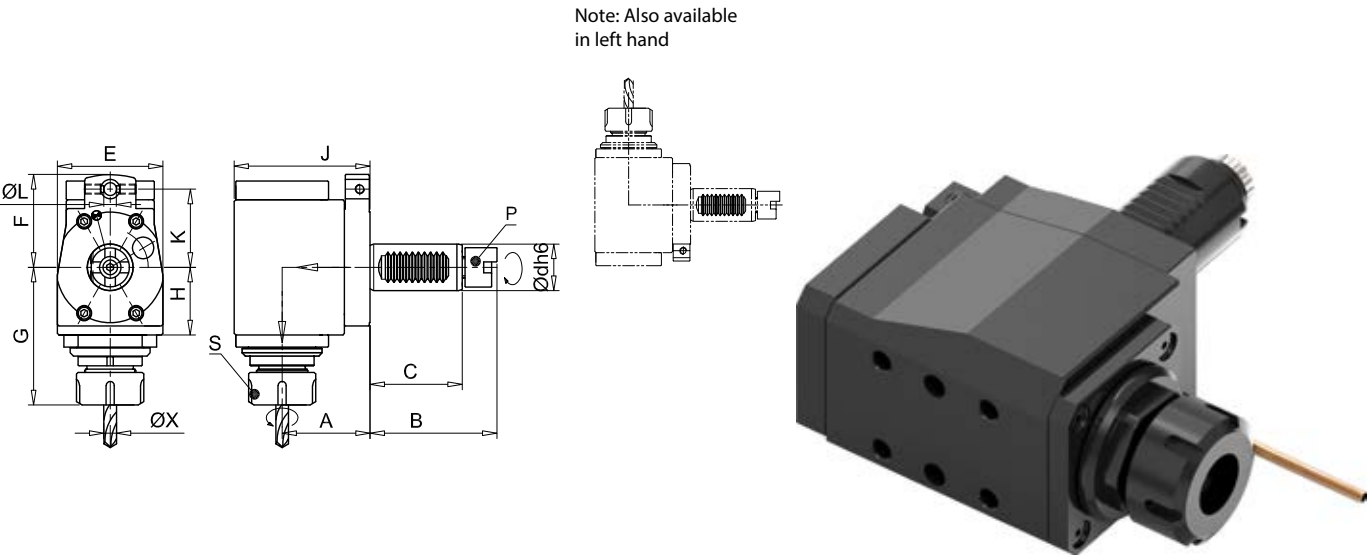
- TOEM Coupling For Baruffaldi Turret
- VDI Driven Tool Holders



Part Number	Dimensions (mm)									i	Nmax RPM	S	T Nm	P	Turret Type	Price
	Ødh6	A	B	C	E	F	G	H	ØX							
OM33476	16	65	48	35	21	25	21	21	1-7	1:1	6000	ER11	6.3	Ø14.5x4x4	Baruffaldi	£448.00
OM33477	30	98.5	59	45	30	30	30	28	1-16	01:01	6000	ER25	40	Ø24x6x3.2	Baruffaldi	£448.00

RTH Direct TOEM
Axial Tool Head

- TOEM Coupling For Baruffaldi Turret
- VDI Driven Tool Holders



Part Number		Dimensions (mm)												i	Nmax RPM	S	T Nm	P	Turret Type	Price
R/H	L/H	Ødh6	A	B	C	E	F	G	H	J	K	ØL	ØX							
OM33478	OM33494	16	34	48	35	42	61	46	25	50	54	8	1-7	1:1	6000	ER11	6.3	Ø14.5x4x4	Baruffaldi	£1,170.00

VDI
Coupling Types

- Listed below are the four most common coupling types
- Any coupling can be manufactured as a special, to any customer specific requirement



Straight Shank Collet Chucks
ER Collet Extensions

- Standard = Castle Nut
- A = Hexagon Nut
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

Part Number	Description	Shank Diameter (mm)	Collet Type	Shank Length (mm)	Price
OM30010	C16 ER11A x 150	16	ER11	150	£25.00
OM30014	C16 ER16A x 50		ER16	50	£25.00
OM30012	C16 ER16A x 100		ER16	100	£25.00
OM30013	C16 ER16A x 150		ER16	150	£25.00
OM30020	C20 ER16A x 50	20	ER16	50	£25.00
OM30018	C20 ER16A x 100		ER16	100	£25.00
OM30019	C20 ER16A x 150		ER16	150	£25.00
OM30027	C20 ER20 x 50		ER20	50	£25.00
OM30025	C20 ER20 x 100		ER20	100	£25.00
OM30026	C20 ER20 x 150		ER20	150	£25.00
OM30030	C20 ER25 x 50		ER25	50	£25.00
OM30029	C20 ER25 x 100		ER25	100	£25.00
OM30032	C20 ER32 x 50		ER32	50	£25.00
OM30031	C20 ER32 x 100		ER32	100	£25.00
OM30033	C25 ER16 x 150	25	ER16	150	£25.00
OM30037	C25 ER20 x 150		ER20	150	£25.00
OM30039	C25 ER25 x 50		ER25	50	£25.00
OM30038	C25 ER25 x 100		ER25	100	£25.00
OM30265	C25 ER25 x 150		ER25	150	£25.00
OM30137	C25 ER25 x 200		ER25	200	£32.00
OM30041	C25 ER32 x 50		ER32	50	£25.00
OM30040	C25 ER32 x 100		ER32	100	£25.00
OM30497	C25 ER32 x 200		ER32	200	£32.00
OM30042	C25 ER40 x 50		ER40	50	£28.00
OM30171	C32 ER25 x 100	32	ER25	100	£25.00
OM30044	C32 ER32 x 50		ER32	50	£25.00
OM30045	C32 ER32 x 60		ER32	60	£25.00
OM30043	C32 ER32 x 100		ER32	100	£25.00
OM30046	C32 ER40 x 50	40	ER40	50	£28.00
OM30369	C40 ER25 x 100		ER25	100	£32.00
OM30048	C40 ER32 x 85		ER32	85	£32.00
OM30047	C40 ER32 x 100		ER32	100	£32.00



Mini Straight Shank Collet Chucks
ER Collet Extensions

- Mini Nut
- ER Collets - Pg. 101-106
- Spares - Pg. 154-157

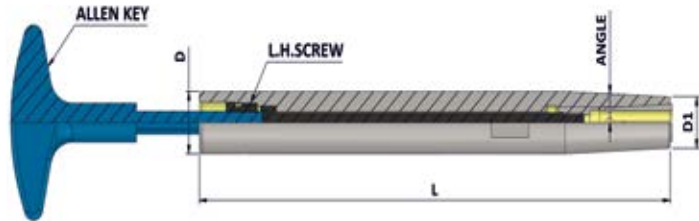
Part Number	Description	Shank Diameter (mm)	Collet Type	Shank Length (mm)	Price
OM30001	C08 ER8M x 55	8	ER8	55	£25.00
OM30494	C08 ER8M x 100		ER8	100	£25.00
OM30002	C10 ER8M x 100	10	ER8	100	£25.00
OM30003	C10 ER8M x 150		ER8	150	£25.00
OM30495	C10 ER11M x 100		ER11	100	£25.00
OM30006	C12 ER8M x 55	12	ER8	55	£25.00
OM30005	C12 ER8M x 120		ER8	120	£25.00
OM30175	C12 ER8M x 150		ER8	150	£25.00
OM30176	C12 ER8M x 200		ER8	200	£32.00
OM30004	C12 ER11M x 80		ER11	80	£25.00
OM30136	C12 ER11M x 150		ER11	150	£25.00
OM30147	C12 ER11M x 200	16	ER11	200	£32.00
OM30009	C16 ER11M x 50		ER11	50	£25.00
OM30007	C16 ER11M x 100		ER11	100	£25.00
OM30008	C16 ER11M x 150		ER11	150	£25.00
OM30011	C16 ER16M x 50	20	ER16	50	£25.00
OM30496	C16 ER16M x 100		ER16	100	£25.00
OM30017	C20 ER16M x 60		ER16	60	£25.00
OM30015	C20 ER16M x 100		ER16	100	£25.00
OM30016	C20 ER16M x 150		ER16	150	£25.00
OM30096	C20 ER16M x 200		ER16	200	£32.00
OM30099	C20 ER16M x 300		ER16	300	£45.00
OM30024	C20 ER20M x 50		ER20	50	£25.00
OM30021	C20 ER20M x 100		ER20	100	£25.00
OM30022	C20 ER20M x 150		ER20	150	£25.00
OM30023	C20 ER20M x 200	22	ER20	200	£32.00
OM30028	C20 ER25M x 100		ER25	100	£25.00
OM30139	C22 ER16M x 70	25	ER16	70	£32.00
OM30000	C22 ER20M x 100		ER20	100	£32.00
OM30036	C25 ER20M x 60	32	ER20	60	£25.00
OM30034	C25 ER20M x 100		ER20	100	£25.00
OM30035	C25 ER20M x 150		ER20	150	£25.00
OM30140	C32 ER20M x 100		ER20	100	£40.00



Straight Shank Collet Chucks
DMC Collet Extensions

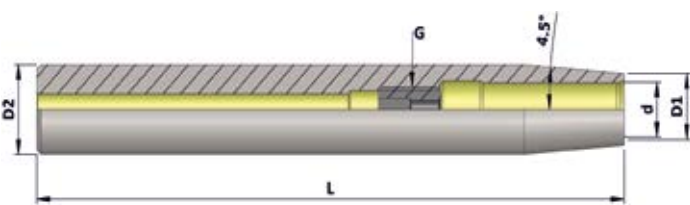
- DMC Collet Extensions
- For Ultra Precision DMC Style Collets
- DMC Collets - Pg. 124
- Hex Keys - Pg. 158

Part Number	Description	Clamping Range	Dimensions (mm)			Angle	Collet	Screw	Allen Key	Price
			D	DI	L					
OM32374	D16 DMC 06 L 150	3-6	16	13	150	3°	DMC-06	M5	4X200	£72.00
OM32375	D20 DMC 06 L 200	3-6	20	13	200	3°	DMC-06	M5	4X200	£79.00
OM32376	D25 DMC 06 L 250	3-6	25	13	250	3°	DMC-06	M5	4X200	£119.00
OM32377	D20 DMC 08 L 150	3-8	20	19	150	3°	DMC-08	M6	5X200	£79.00
OM32378	D20 DMC 08 L 200	3-8	20	19	200	3°	DMC-08	M6	5X200	£119.00
OM32379	D25 DMC 10 L 150	3-10	25	24	150	3°	DMC-10	M8	6X200	£98.00
OM32380	D25 DMC 10 L 200	3-10	25	24	200	3°	DMC-10	M8	6X200	£119.00
OM32381	D25 DMC 10 L 250	3-10	25	24	250	3°	DMC-10	M8	6X200	£139.00



Extension Chucks
Shrink Fit

- Cylindrical Shank
- Superior Clamping Strength & Rigidity
- 4.5 Degree



12mm Cylindrical Shank

Part Number	Description	Dimensions (mm)					Price
		D	DI	D2	G	L	
OM33628	D12 SF03 150	3	8	12	-	150	£67.00
OM33629	D12 SF04 150	4	8	12	-	150	£67.00

16mm Cylindrical Shank

Part Number	Description	Dimensions (mm)					Price
		D	DI	D2	G	L	
OM33630	D16 SF03 150	3	10	16	-	150	£67.00
OM33631	D16 SF04 150	4	10	16	-	150	£67.00
OM33632	D16 SF05 150	5	10	16	-	150	£67.00
OM33633	D16 SF06 150	6	10	16	M5	150	£59.00

20mm Cylindrical Shank

Part Number	Description	Dimensions (mm)					Price
		D	DI	D2	G	L	
OM33634	D20 SF03 150	3	10	20	-	150	£67.00
OM33635	D20 SF04 150	4	10	20	-	150	£67.00
OM33636	D20 SF05 150	5	10	20	-	150	£67.00
OM33637	D20 SF06 150	6	10	20	M5	150	£59.00
OM33638	D20 SF08 150	8	12	20	M6	150	£59.00
OM33639	D20 SF10 150	10	14	20	M8	150	£59.00
OM33640	D20 SF12 150	12	16	20	M10	150	£59.00

25mm Cylindrical Shank

Part Number	Description	Dimensions (mm)					Price
		D	DI	D2	G	L	
OM33641	D25 SF08 150	8	20	25	M6	150	£59.00
OM33642	D25 SF10 150	10	20	25	M8	150	£59.00
OM33643	D25 SF12 150	12	20	25	M10	150	£59.00
OM33644	D25 SF14 150	14	20	25	M10	150	£59.00
OM33645	D25 SF16 150	16	22	25	M12	150	£59.00

32mm Cylindrical Shank

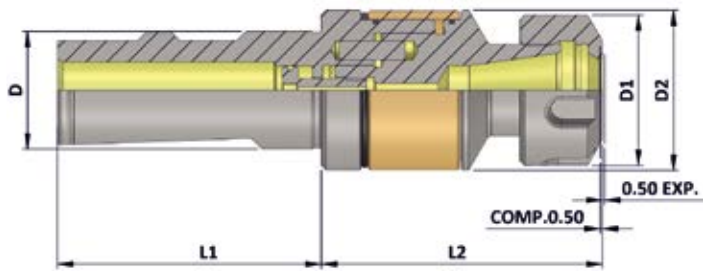
Part Number	Description	Dimensions (mm)					Price
		D	DI	D2	G	L	
OM33646	D32 SF10 150	10	24	32	M8	150	£59.00
OM33647	D32 SF12 150	12	24	32	M10	150	£59.00
OM33648	D32 SF14 150	14	27	32	M10	150	£59.00
OM33649	D32 SF16 150	16	27	32	M12	150	£59.00
OM33650	D32 SF18 150	18	27	32	M12	150	£59.00
OM33651	D32 SF20 150	20	27	32	M16	150	£59.00



MLC Synchro Tapping Chucks Straight Shank

- Minimum Length Compensation Tapping Chucks
- +/-0.5mm Compression & Expansion
- High Concentricity Enables High Speed Tapping
- Recommended for use with QCTC Type Collets
- QCTC Collets - Pg. 126-131
- Spares - Pg. 154-157

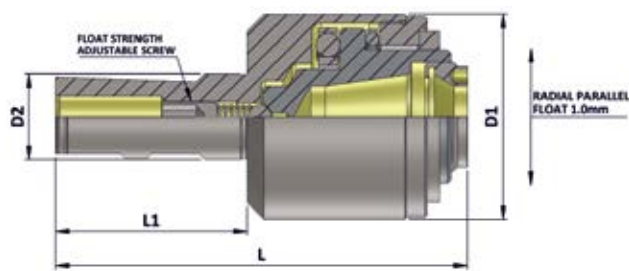
Part Number	Description	Capacity	Clamping Range	Nut Size	Dimensions (mm)							Price
					D	D1	D2	L1	L2	Comp.	Exp.	
OM32477	D20 MLC ER16 Mini	M3-M12	1-10	ER16M	20	22	34	51	58	0.5	0.5	£97.00
OM32487	D20 MLC ER16	M3-M12	1-10	ER16	20	32	34	51	58	0.5	0.5	£97.00
OM32500	D25 MLC ER16 Mini	M3-M12	1-10	ER16M	25	22	34	56	60	0.5	0.5	£97.00
OM32501	D25 MLC ER16	M3-M12	1-10	ER16	25	32	34	56	60	0.5	0.5	£97.00
OM32502	D25 MLC ER20	M3-M16	3.5-10	ER20	25	35	34	56	61	0.5	0.5	£97.00
OM32503	D25 MLC ER25	M3-M20	3.5-16	ER25	25	42	34	56	65	0.5	0.5	£97.00
OM32504	D25 MLC ER32	M4-M27	3.5-20	ER32	25	50	45	56	87	0.5	0.5	£97.00
OM32505	D32 MLC ER40	M6-M33	6-26	ER40	32	63	62	61	108.5	0.5	0.5	£112.00



Floating Reamer Holder Straight Shank

- Cylindrical Shank
- Short Length Floating Reamer Holder with radial parallel float of 1.0mm
- Integral weight balancing mechanism
- Excellent problem solver for poor surface finish & over size cutting
- Spares - Pg. 155-157

Part Number	Description	Dimensions (mm)				Collet Capacity	Spanner	Radial Parallel Float	Price
		D1	D2	L	L1				
OM32506	FRH 20mm ER25A	60	20	116	51	1-16	E25A	1.0 mm	£119.00
OM32507	FRH 25mm ER25A	60	25	121	56	1-16	E25A	1.0 mm	£119.00
OM32508	FRH 32mm ER25A	60	32	126	61	1-16	E25A	1.0 mm	£119.00



Quick Change Tapping Chucks Straight Shank

- Axial Length Compensation
- With Tension & Compression
- Quick change tap adaptors available in 3 sizes
- QC Tap Adaptors - Pg. 132-133

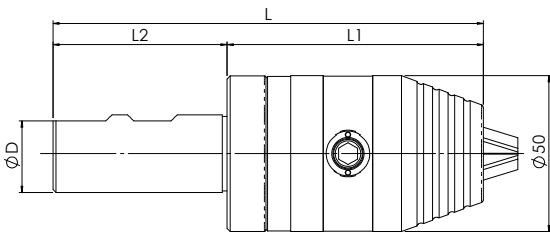
Part Number	Description	Shank Dia (mm)	Gauge Length (mm)	Tapping Range	Price
OM31367	C20 Size 1 (TC312-41)	20	41	M3 - M12	£119.00
OM31368	C25 Size 1 (TC312-41)	25	41	M3 - M12	£119.00
OM31369	C32 Size 1 (TC312-41)	32	41	M3 - M12	£125.00
OM31370	C25 Size 2 (TC820-63)	25	63	M6 - M20	£129.00
OM31371	C32 Size 2 (TC820-63)	32	63	M6 - M20	£135.00
OM31372	C32 Size 3 (TC1433-97)	32	97	M14 - M36	£245.00



Precision Drill Chuck Straight Shank

- Hexagonal key drill chuck
- Cylindrical Shank
- High Accuracy Drill Chuck
- Increased wear-resistance with Titanium Jaws
- Spare Hex Key - Pg. 157

Part Number	Description	Dimensions (mm)					Price
		Capacity	L	L1	L2	D	
OM33674	D20 GHK13 83	0.3-13	133	50	83	20	£119.00
OM33675	D25 GHK13 83	0.3-13	139	56	83	25	£119.00



ER Collet Chucks
R8 (Bridgeport)

Part Number	Description	Price
OM31314	R8 ER16	£39.00
OM31449	R8 ER25	£39.00
OM31315	R8 ER32	£39.00
OM31316	R8 ER40	£52.00



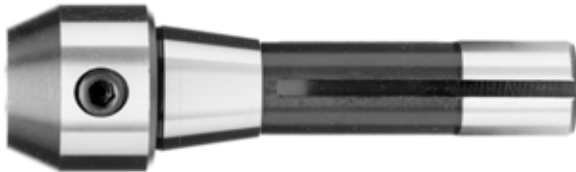
Drill Chuck Arbors
R8 (Bridgeport)

Part Number	Description	Price
OM31322	R8 JT6	£9.90
OM31363	R8 B16	£16.00



End Mill Holders
R8 (Bridgeport)

Part Number	Description	Bore Size	Price
OM31327	R8 S/L 10	10mm	£29.00
OM31328	R8 S/L 12	12mm	£29.00
OM31329	R8 S/L 16	16mm	£29.00
OM31330	R8 S/L 20	20mm	£29.00
OM31331	R8 S/L 25	25mm	£35.00
OM31332	R8 S/L 32	32mm	£35.00



Face Mill Arbors
R8 (Bridgeport)

Part Number	Description	Spigot Size	Price
OM31318	R8 FMB 16	16mm	£29.00
OM31319	R8 FMB 22	22mm	£29.00
OM31320	R8 FMB 27	27mm	£29.00
OM31321	R8 FMB 32	32mm	£29.00



R8 Collets
R8 (Bridgeport)

Part Number	Description	Clamping Size	Price
OM31295	R8 2mm	2	£9.90
OM31296	R8 3mm	3	£9.90
OM31297	R8 4mm	4	£9.90
OM31298	R8 5mm	5	£9.90
OM31299	R8 6mm	6	£9.90
OM31300	R8 7mm	7	£9.90
OM31301	R8 8mm	8	£9.90
OM31302	R8 9mm	9	£9.90
OM31303	R8 10mm	10	£9.90
OM31304	R8 11mm	11	£9.90
OM31305	R8 12mm	12	£9.90
OM31306	R8 13mm	13	£9.90
OM31307	R8 14mm	14	£9.90
OM31308	R8 15mm	15	£9.90
OM31309	R8 16mm	16	£9.90
OM31310	R8 17mm	17	£9.90
OM31311	R8 18mm	18	£9.90
OM31312	R8 19mm	19	£9.90
OM31313	R8 20mm	20	£9.90



Morse Taper Adaptors
R8 (Bridgeport)

Part Number	Description	Price
OM31323	R8 MTA 1	£22.00
OM31324	R8 MTA 2	£22.00
OM31325	R8 MTA 3	£22.00
OM31326	R8 MTA 4	£22.00



ER8 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 5.0mm



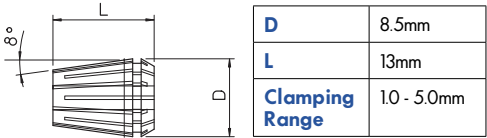
Part Number	Description	Clamping Size	Price
OM32000	ER8 Standard Collet (10 micron accuracy)	1.0-0.5	£9.20
OM32001		1.5-1.0	£9.20
OM32002		2.0-1.5	£7.90
OM32003		2.5-2.0	£7.90
OM32004		3.0-2.5	£7.90
OM32005		3.5-3.0	£7.90
OM32006		4.0-3.5	£7.90
OM32007		4.5-4.0	£7.90
OM32008		5.0-4.5	£7.90

ER8 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 5.0mm



Part Number	Description	Clamping Size	Price
OM32018	ER8 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£17.00
OM32019		1.5-1.0	£17.00
OM32020		2.0-1.5	£15.00
OM32021		2.5-2.0	£15.00
OM32022		3.0-2.5	£15.00
OM32023		3.5-3.0	£15.00
OM32024		4.0-3.5	£15.00
OM32025		4.5-4.0	£15.00
OM32026		5.0-4.5	£15.00



ER11 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 8.0mm



Part Number	Description	Clamping Size	Price
OM32030	ER11 Standard Collet (10 micron accuracy)	1.0-0.5	£7.90
OM32031		1.5-1.0	£7.90
OM32032		2.0-1.5	£6.50
OM32033		2.5-2.0	£6.50
OM32034		3.0-2.5	£6.50
OM32035		3.5-3.0	£6.50
OM32036		4.0-3.5	£6.50
OM32037		4.5-4.0	£6.50
OM32038		5.0-4.5	£6.50
OM32039		5.5-5.0	£6.50
OM32040		6.0-5.5	£6.50
OM32041		6.5-6.0	£6.50
OM32042		7.0-6.5	£6.50
OM33032*		7.5-7.3	£15.00
OM33033*		8.0-7.8	£15.00

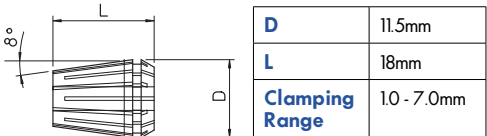
* Collets over 7mm diameter have shorter L dimension

ER11 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 7.0mm



Part Number	Description	Clamping Size	Price
OM32056	ER11 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£16.50
OM32057		1.5-1.0	£16.50
OM32058		2.0-1.5	£13.50
OM32059		2.5-2.0	£13.50
OM32060		3.0-2.5	£10.50
OM32061		3.5-3.0	£10.50
OM32062		4.0-3.5	£10.50
OM32063		4.5-4.0	£10.50
OM32064		5.0-4.5	£10.50
OM32065		5.5-5.0	£10.50
OM32066		6.0-5.5	£10.50
OM32067		6.5-6.0	£10.50
OM32068		7.0-6.5	£10.50



ER16 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 12.0mm



Part Number	Description	Clamping Size	Price
OM32072	ER16 Standard Collet (10 micron accuracy)	1.0-0.5	£5.00
OM32082		1.5-1.0	£7.50
OM32073		2.0-1.0	£5.00
OM32083		2.5-2.0	£6.50
OM32074		3.0-2.0	£5.00
OM32084		3.5-2.5	£6.50
OM32075		4.0-3.0	£5.00
OM32085		4.5-3.5	£6.50
OM32076		5.0-4.0	£5.00
OM32086		5.5-4.5	£6.50
OM32077		6.0-5.0	£5.00
OM32087		6.5-5.5	£6.50
OM32078		7.0-6.0	£5.00
OM32088		7.5-6.5	£6.50
OM32079		8.0-7.0	£5.00
OM32089		8.5-7.5	£6.50
OM32080		9.0-8.0	£5.00
OM32090		9.5-8.5	£6.50
OM32081		10.0-9.0	£5.00
OM33034*		10.5-10.3	£15.00
OM33035*		11.0-10.8	£15.00
OM33036*		11.5-11.3	£15.00
OM33037*		12.0-11.8	£15.00

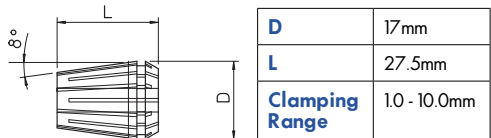
* Collets over 10mm diameter have shorter L dimension

ER16 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 10.0mm



Part Number	Description	Clamping Size	Price
OM32110	ER16 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£15.00
OM32111		1.5-1.0	£15.00
OM32112		2.0-1.0	£12.00
OM32113		2.5-2.0	£12.00
OM32114		3.0-2.0	£9.90
OM32115		3.5-2.5	£10.90
OM32116		4.0-3.0	£9.90
OM32117		4.5-3.5	£10.90
OM32118		5.0-4.0	£9.90
OM32119		5.5-4.5	£10.90
OM32120		6.0-5.0	£9.90
OM32121		6.5-5.5	£10.90
OM32122		7.0-6.0	£9.90
OM32123		7.5-6.5	£10.90
OM32124		8.0-7.0	£9.90
OM32125		8.5-7.5	£10.90
OM32126		9.0-8.0	£9.90
OM32127		9.5-8.5	£10.90
OM32128		10.0-9.0	£9.90



ER20 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 16.0mm



Part Number	Description	Clamping Size	Price
OM32144	ER20 Standard Collet (10 micron accuracy)	1.0-0.5	£7.50
OM32145		1.5-1.0	£7.50
OM32132		2.0-1.5	£5.50
OM32146		2.5-2.0	£6.90
OM32133		3.0-2.5	£5.50
OM32147		3.5-2.5	£6.90
OM32134		4.0-3.0	£5.50
OM32148		4.5-3.5	£6.90
OM32135		5.0-4.0	£5.50
OM32136		6.0-5.0	£5.50
OM32137		7.0-6.0	£5.50
OM32138		8.0-7.0	£5.50
OM32139		9.0-8.0	£5.50
OM32140		10.0-9.0	£5.50
OM32141		11.0-10.0	£5.50
OM32142		12.0-11.0	£5.50
OM32143		13.0-12.0	£5.50
OM33038*		13.5-13.3	£15.00
OM33039*		14.0-13.8	£15.00
OM33040*		14.5-14.3	£15.00
OM33041*		15.0-14.8	£15.00
OM33042*		15.5-15.3	£15.00
OM33043*		16.0-15.8	£15.00

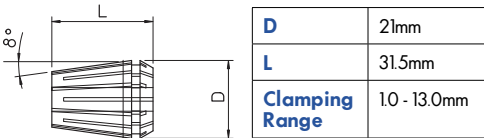
* Collets over 13mm diameter have shorter L dimension

ER20 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 13.0mm



Part Number	Description	Clamping Size	Price
OM32166	ER20 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£15.00
OM32167		1.5-1.0	£15.00
OM32168		2.0-1.0	£13.00
OM32169		2.5-2.0	£13.00
OM32170		3.0-2.5	£10.90
OM32171		3.5-2.5	£10.90
OM32172		4.0-3.0	£10.90
OM32173		4.5-3.5	£10.90
OM32174		5.0-4.0	£10.90
OM32175		6.0-5.0	£10.90
OM32176		7.0-6.0	£10.90
OM32177		8.0-7.0	£10.90
OM32178		9.0-8.0	£10.90
OM32179		10.0-9.0	£10.90
OM32180		11.0-10.0	£10.90
OM32181		12.0-11.0	£10.90
OM32182		13.0-12.0	£10.90



ER25 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 20.0mm



Part Number	Description	Clamping Size	Price
OM32186	ER25 Standard Collet (10 micron accuracy)	1.0-0.5	£5.00
OM32202		1.5-1.0	£9.90
OM32187		2.0-1.0	£5.00
OM32203		2.5-2.0	£8.00
OM32188		3.0-2.5	£5.00
OM32204		3.5-2.5	£8.00
OM32189		4.0-3.0	£5.00
OM32205		4.5-3.5	£8.00
OM32190		5.0-4.0	£5.00
OM32191		6.0-5.0	£5.00
OM32192		7.0-6.0	£5.00
OM32193		8.0-7.0	£5.00
OM32194		9.0-8.0	£5.00
OM32195		10.0-9.0	£5.00
OM32196		11.0-10.0	£5.00
OM32197		12.0-11.0	£5.00
OM32198		13.0-12.0	£5.00
OM32199		14.0-13.0	£5.00
OM32200		15.0-14.0	£5.00
OM32201		16.0-15.0	£5.00
OM33044*		16.5-16.3	£15.00
OM33045*		17.0-16.8	£15.00
OM33046*		17.5-17.3	£15.00
OM33047*		18.0-17.8	£15.00
OM33048*		18.5-18.3	£15.00
OM33049*		19.0-18.8	£15.00
OM33050*		19.5-19.3	£15.00
OM33051*		20.0-19.8	£15.00

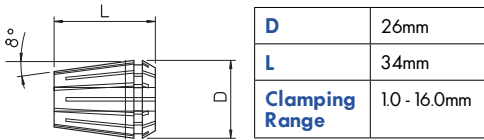
* Collets over 16mm diameter have shorter L dimension

ER25 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 16.0mm



Part Number	Description	Clamping Size	Price
OM32226	ER25 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£16.00
OM32227		1.5-1.0	£16.00
OM32228		2.0-1.0	£13.00
OM32229		2.5-2.0	£13.00
OM32230		3.0-2.5	£10.50
OM32231		3.5-2.5	£11.00
OM32232		4.0-3.0	£10.50
OM32233		4.5-3.5	£11.00
OM32234		5.0-4.0	£10.50
OM32235		6.0-5.0	£10.50
OM32236		7.0-6.0	£10.50
OM32237		8.0-7.0	£10.50
OM32238		9.0-8.0	£10.50
OM32239		10.0-9.0	£10.50
OM32240		11.0-10.0	£10.50
OM32241		12.0-11.0	£10.50
OM32242		13.0-12.0	£10.50
OM32243		14.0-13.0	£10.50
OM32244		15.0-14.0	£10.50
OM32245		16.0-15.0	£10.50



ER32 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 25.0mm



Part Number	Description	Clamping Size	Price
OM32268	ER32 Standard Collet (10 micron accuracy)	1.0-0.5	£12.00
OM32269		1.5-1.0	£12.00
OM32249		2.0-1.5	£10.00
OM32270		2.5-2.0	£10.00
OM32250		3.0-2.0	£5.00
OM32271		3.5-2.5	£9.00
OM32251		4.0-3.0	£5.00
OM32272		4.5-3.5	£9.00
OM32252		5.0-4.0	£5.00
OM32253		6.0-5.0	£5.00
OM32254		7.0-6.0	£5.00
OM32255		8.0-7.0	£5.00
OM32256		9.0-8.0	£5.00
OM32257		10.0-9.0	£5.00
OM32258		11.0-10.0	£5.00
OM32259		12.0-11.0	£5.00
OM32260		13.0-12.0	£5.00
OM32261		14.0-13.0	£5.00
OM32262		15.0-14.0	£5.00
OM32263		16.0-15.0	£5.00
OM32264		17.0-16.0	£5.00
OM32265		18.0-17.0	£5.00
OM32266		19.0-18.0	£5.00
OM32267		20.0-19.0	£5.00
OM33052*		21.0-20.8	£15.00
OM33053*		22.0-21.8	£15.00
OM33054*		23.0-22.8	£15.00
OM33055*		24.0-23.8	£15.00
OM32273*		25.0-24.0	£15.00

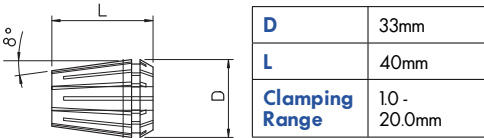
* Collets over 20mm diameter have shorter L dimension

ER32 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 20.0mm



Part Number	Description	Clamping Size	Price
OM32299	ER32 Ultra Precision Collet (5 micron accuracy)	1.0-0.5	£18.00
OM32300		1.5-1.0	£18.00
OM32301		2.0-1.5	£16.00
OM32302		2.5-2.0	£16.00
OM32303		3.0-2.5	£10.00
OM32304		3.5-2.5	£13.00
OM32305		4.0-3.0	£10.00
OM32306		4.5-3.5	£13.00
OM32307		5.0-4.0	£10.00
OM32308		6.0-5.0	£10.00
OM32309		7.0-6.0	£10.00
OM32310		8.0-7.0	£10.00
OM32311		9.0-8.0	£10.00
OM32312		10.0-9.0	£10.00
OM32313		11.0-10.0	£10.00
OM32314		12.0-11.0	£10.00
OM32315		13.0-12.0	£10.00
OM32316		14.0-13.0	£10.00
OM32317		15.0-14.0	£10.00
OM32318		16.0-15.0	£10.00
OM32319		17.0-16.0	£10.00
OM32320		18.0-17.0	£10.00
OM32321		19.0-18.0	£10.00
OM32322		20.0-19.0	£10.00



ER40 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 2.0 - 32.0mm



Part Number	Description	Clamping Size	Price
OM32351	ER40 Standard Collet (10 micron accuracy)	2.0-1.5	£12.00
OM32352		2.5-2.0	£12.00
OM32327		3.0-2.0	£6.00
OM32353		3.5-2.5	£10.00
OM32328		4.0-3.0	£6.00
OM32354		4.5-3.5	£10.00
OM32329		5.0-4.0	£6.00
OM32330		6.0-5.0	£6.00
OM32331		7.0-6.0	£6.00
OM32332		8.0-7.0	£6.00
OM32333		9.0-8.0	£6.00
OM32334		10.0-9.0	£6.00
OM32335		11.0-10.0	£6.00
OM32336		12.0-11.0	£6.00
OM32337		13.0-12.0	£6.00
OM32338		14.0-13.0	£6.00
OM32339		15.0-14.0	£6.00
OM32340		16.0-15.0	£6.00
OM32341		17.0-16.0	£6.00
OM32342		18.0-17.0	£6.00
OM32343		19.0-18.0	£6.00
OM32344		20.0-19.0	£6.00
OM32345		21.0-20.0	£6.00
OM32346		22.0-21.0	£6.00
OM32347		23.0-22.0	£6.00
OM32348		24.0-23.0	£6.00
OM32349		25.0-24.0	£6.00
OM32350		26.0-25.0	£6.00
OM33056*		27.0-26.8	£17.00
OM33057*		28.0-27.8	£17.00
OM33058*		29.0-28.8	£17.00
OM32355*		30.0-29.8	£17.00
OM33060*		31.0-30.8	£17.00
OM32356*		32.0-31.8	£17.00

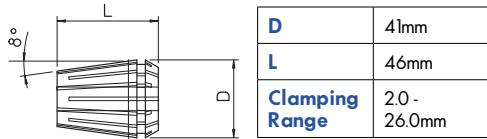
* Collets over 26mm diameter have shorter L dimension

ER40 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 2.0 - 32.0mm



Part Number	Description	Clamping Size	Price
OM32387	ER40 Ultra Precision Collet (5 micron accuracy)	2.0-1.5	£19.00
OM32388		2.5-2.0	£19.00
OM32389		3.0-2.5	£16.00
OM32390		3.5-2.5	£16.00
OM32391		4.0-3.0	£12.50
OM32392		4.5-3.5	£12.50
OM32393		5.0-4.0	£12.50
OM32394		6.0-5.0	£12.50
OM32395		7.0-6.0	£12.50
OM32396		8.0-7.0	£12.50
OM32397		9.0-8.0	£12.50
OM32398		10.0-9.0	£12.50
OM32399		11.0-10.0	£12.50
OM32400		12.0-11.0	£12.50
OM32401		13.0-12.0	£12.50
OM32402		14.0-13.0	£12.50
OM32403		15.0-14.0	£12.50
OM32404		16.0-15.0	£12.50
OM32405		17.0-16.0	£12.50
OM32406		18.0-17.0	£12.50
OM32407		19.0-18.0	£12.50
OM32408		20.0-19.0	£12.50
OM32409		21.0-20.0	£12.50
OM32410		22.0-21.0	£12.50
OM32411		23.0-22.0	£12.50
OM32412		24.0-23.0	£12.50
OM32413		25.0-24.0	£12.50
OM32414		26.0-25.0	£12.50
OM32415*		30.0-29.8	£22.00
OM32416*		32.0-31.0	£22.00



ER50 Collets
Standard

- Standard ER Collets
- (<10µ accuracy)
- Clamping Range 12.0 - 40.0mm



Part Number	Description	Clamping Size	Price
OM32420	ER50 Standard Collet (accuracy 10 micron)	12.0-10.0	£19.00
OM32421		14.0-12.0	£19.00
OM32422		16.0-14.0	£19.00
OM32423		18.0-16.0	£19.00
OM32424		20.0-18.0	£19.00
OM32425		22.0-20.0	£19.00
OM32426		24.0-22.0	£19.00
OM32427		25.0-23.0	£19.00
OM32428		26.0-24.0	£19.00
OM32429		28.0-26.0	£19.00
OM32430		30.0-28.0	£19.00
OM32431		32.0-30.0	£19.00
OM32432		34.0-32.0	£19.00
OM33062*		36.0-35.8	£42.00
OM33063*		38.0-37.8	£42.00
OM33064*		40.0-38.8	£42.00

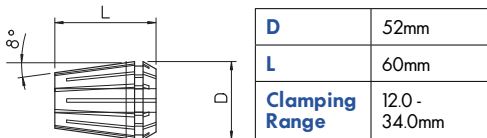
* Collets over 34mm diameter have shorter L dimension

ER50 Collets
Ultra Precision

- Ultra Precision ER Collets
- (<5µ accuracy)
- Clamping Range 12.0 - 34.0mm



Part Number	Description	Clamping Size	Price
OM32446	ER50 Ultra Precision Collet (accuracy 5 micron)	12.0-10.0	£30.00
OM32447		14.0-12.0	£30.00
OM32448		16.0-14.0	£30.00
OM32449		18.0-16.0	£30.00
OM32450		20.0-18.0	£30.00
OM32451		22.0-20.0	£30.00
OM32452		24.0-22.0	£30.00
OM32453		25.0-23.0	£30.00
OM32454		26.0-24.0	£30.00
OM32455		28.0-26.0	£30.00
OM32456		30.0-28.0	£30.00
OM32457		32.0-30.0	£30.00
OM32458		34.0-32.0	£30.00



ER11 Sealed Collets
Ultra Precision

- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-7mm



Part Number	Description	Clamping Size	Price
OM33604	ER11 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£15.00
OM33605		4	£15.00
OM33606		4.5	£15.00
OM33607		5	£15.00
OM33608		5.5	£15.00
OM33609		6	£15.00
OM33610		6.5	£15.00
OM33611		7	£15.00

ER16 Sealed Collets
Standard

- Standard Coolant Sealed Collets
- (<10µ accuracy)
- Rubber Seal
- Clamping Range 3-10mm



Part Number	Description	Clamping Size	Price
OM32462	ER16 Coolant Sealed Standard Collet (<10 micron accuracy)	3	£13.00
OM32463		4	£13.00
OM32464		5	£13.00
OM32465		6	£13.00
OM32466		7	£13.00
OM32467		8	£13.00
OM32468		9	£13.00
OM32469		10	£13.00

ER16 Sealed Collets
Ultra Precision

- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-10mm



Part Number	Description	Clamping Size	Price
OM33500	ER16 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£17.00
OM33501		4	£17.00
OM33502		5	£17.00
OM33503		6	£17.00
OM33504		7	£17.00
OM33505		8	£17.00
OM33506		9	£17.00
OM33507		10	£17.00

ER20 Sealed Collets
Standard



- Standard Coolant Sealed Collets
- (<10µ accuracy)
- Rubber Seal
- Clamping Range 3-13mm

Part Number	Description	Clamping Size	Price
OM32489	ER20 Coolant Sealed Standard Collet (<10 micron accuracy)	3	£15.00
OM32490		4	£15.00
OM32491		5	£15.00
OM32492		6	£15.00
OM32493		7	£15.00
OM32494		8	£15.00
OM32495		9	£15.00
OM32496		10	£15.00
OM32497		11	£15.00
OM32498		12	£15.00
OM32499		13	£15.00

ER20 Sealed Collets
Ultra Precision



- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-13mm

Part Number	Description	Clamping Size	Price
OM33508	ER20 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£19.00
OM33509		4	£19.00
OM33510		5	£19.00
OM33511		6	£19.00
OM33512		7	£19.00
OM33513		8	£19.00
OM33514		9	£19.00
OM33515		10	£19.00
OM33516		11	£19.00
OM33517		12	£19.00
OM33518		13	£19.00

ER25 Sealed Collets
Standard



- Standard Coolant Sealed Collets
- (<10µ accuracy)
- Rubber Seal
- Clamping Range 3-16mm

Part Number	Description	Clamping Size	Price
OM32525	ER25 Coolant Sealed Standard Collet (<10 micron accuracy)	3	£14.00
OM32526		4	£14.00
OM32527		5	£14.00
OM32528		6	£14.00
OM32529		7	£14.00
OM32530		8	£14.00
OM32531		9	£14.00
OM32532		10	£14.00
OM32533		11	£14.00
OM32534		12	£14.00
OM32535		13	£14.00
OM32536		14	£14.00
OM32537		15	£14.00
OM32538		16	£14.00

ER25 Sealed Collets
Ultra Precision



- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-16mm

Part Number	Description	Clamping Size	Price
OM33519	ER25 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£19.00
OM33520		4	£19.00
OM33521		5	£19.00
OM33522		6	£19.00
OM33523		7	£19.00
OM33524		8	£19.00
OM33525		9	£19.00
OM33526		10	£19.00
OM33527		11	£19.00
OM33528		12	£19.00
OM33529		13	£19.00
OM33530		14	£19.00
OM33531		15	£19.00
OM33532		16	£19.00

ER32 Sealed Collets
Standard



- Standard Coolant Sealed Collets
- (<10µ accuracy)
- Rubber Seal
- Clamping Range 3-20mm

Part Number	Description	Clamping Size	Price
OM32570	ER32 Coolant Sealed Standard Collet (<10 micron accuracy)	3	£15.00
OM32571		4	£15.00
OM32572		5	£15.00
OM32573		6	£15.00
OM32574		7	£15.00
OM32575		8	£15.00
OM32576		9	£15.00
OM32577		10	£15.00
OM32578		11	£15.00
OM32579		12	£15.00
OM32580		13	£15.00
OM32581		14	£15.00
OM32582		15	£15.00
OM32583		16	£15.00
OM32584		17	£15.00
OM32585		18	£15.00
OM32586		19	£15.00
OM32587		20	£15.00

ER32 Sealed Collets
Ultra Precision



- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-20mm

Part Number	Description	Clamping Size	Price
OM33533	ER32 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£19.00
OM33534		4	£19.00
OM33535		5	£19.00
OM33536		6	£19.00
OM33537		7	£19.00
OM33538		8	£19.00
OM33539		9	£19.00
OM33540		10	£19.00
OM33541		11	£19.00
OM33542		12	£19.00
OM33543		13	£19.00
OM33544		14	£19.00
OM33545		15	£19.00
OM33546		16	£19.00
OM33547		17	£19.00
OM33548		18	£19.00
OM33549		19	£19.00
OM33550		20	£19.00

ER40 Sealed Collets
Standard



- Standard Coolant Sealed Collets
- (<10µ accuracy)
- Rubber Seal
- Clamping Range 3-26mm

Part Number	Description	Clamping Size	Price
OM32627	ER40 Coolant Sealed Standard Collet (<10 micron accuracy)	3	£20.00
OM32628		4	£20.00
OM32629		5	£20.00
OM32630		6	£20.00
OM32631		7	£20.00
OM32632		8	£20.00
OM32633		9	£20.00
OM32634		10	£20.00
OM32635		11	£20.00
OM32636		12	£20.00
OM32637		13	£20.00
OM32638		14	£20.00
OM32639		15	£20.00
OM32640		16	£20.00
OM32641		17	£20.00
OM32642		18	£20.00
OM32643		19	£20.00
OM32644		20	£20.00
OM32645		21	£20.00
OM32646		22	£20.00
OM32647		23	£20.00
OM32648		24	£20.00
OM32649		25	£20.00
OM32650		26	£20.00

ER40 Sealed Collets
Ultra Precision



- High Pressure Coolant Sealed Collets
- (<5µ accuracy)
- Integral Metal Seal for High Pressure Cooling - 120 bar
- Clamping Range 3-26mm

Part Number	Description	Clamping Size	Price
OM33551	ER40 High Pressure Coolant Sealed Collet (<5 micron accuracy)	3	£26.00
OM33552		4	£26.00
OM33553		5	£26.00
OM33554		6	£26.00
OM33555		7	£26.00
OM33556		8	£26.00
OM33557		9	£26.00
OM33558		10	£26.00
OM33559		11	£26.00
OM33560		12	£26.00
OM33561		13	£26.00
OM33562		14	£26.00
OM33563		15	£26.00
OM33564		16	£26.00
OM33565		17	£26.00
OM33566		18	£26.00
OM33567		19	£26.00
OM33568		20	£26.00
OM33569		21	£26.00
OM33570		22	£26.00
OM33571		23	£26.00
OM33572		24	£26.00
OM33573		25	£26.00
OM33574		26	£26.00

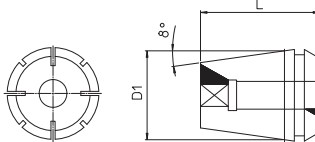
ER16 Tapping Collets



- Tapping Collets with Square
- <10µ accuracy

Part Number	Description	Tap Shank (mm)	Square (mm)	Price
OM32903	ER16 Tapping Collet (<10 micron accuracy)	2.8	2.1	£16.00
OM32997		3	2.5	£16.00
OM32904		3.5	2.7	£16.00
OM32998		4	3	£16.00
OM32905		4	3.15/3.2	£16.00
OM32906		4.5	3.4	£16.00
OM32907		5	4	£16.00
OM32908		5.5	4.3	£16.00
OM33000		6	4.5	£16.00
OM32909		6	4.9	£16.00
OM32999		6.2	5	£16.00
OM32910		6.3	5	£16.00
OM32911		7	5.5	£16.00
OM32912		8	6.2/6.3	£16.00

D	16.5mm
L	27.5mm



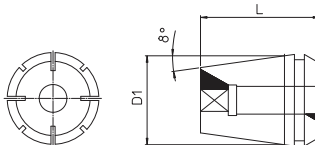
ER20 Tapping Collets



- Tapping Collets with Square
- <10µ accuracy

Part Number	Description	Tap Shank (mm)	Square (mm)	Price
OM32913	ER20 Tapping Collet (<10 micron accuracy)	3.5	2.7	£17.00
OM32914		4	3.15/3.2	£17.00
OM32915		4.5	3.4	£17.00
OM32916		5	4	£17.00
OM32917		5.5	4.3	£17.00
OM32918		6	4.9	£17.00
OM32919		6.3	5	£17.00
OM32920		7	5.5	£17.00
OM32921		8	6.2/6.3	£17.00
OM32922		9	7.0/7.1	£17.00
OM32923		10	8	£17.00
OM32924		11	9	£17.00
OM32925		12	9	£17.00

D	20.5mm
L	32.5mm

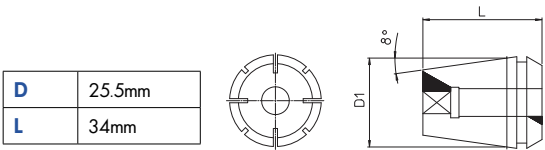


ER25 Tapping Collets

- Tapping Collets with Square
- <10µ accuracy



Part Number	Description	Tap Shank (mm)	Square (mm)	Price
OM32939	ER25 Tapping Collet (<10 micron accuracy)	3.5	2.7	£17.00
OM33002		4	3	£17.00
OM32940		4	3.15/3.2	£17.00
OM32941		4.5	3.4	£17.00
OM32942		5	4	£17.00
OM32943		5.5	4.3	£17.00
OM33004		6	4.5	£17.00
OM32944		6	4.9	£17.00
OM33003		6.2	5	£17.00
OM32945		6.3	5	£17.00
OM32946		7	5.5	£17.00
OM32947		8	6.2/6.3	£17.00
OM33005		8.5	6.5	£17.00
OM32948		9	7.0/7.1	£17.00
OM32949		10	8	£17.00
OM33001		10.5	8	£17.00
OM32950		11	9	£17.00
OM32951		12	9	£17.00
OM32952		12.5	10	£17.00
OM32953		14	11.0/11.2	£17.00
OM32954		16	12	£17.00

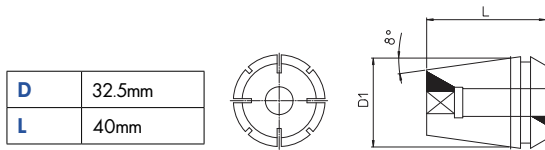


ER32 Tapping Collets

- Tapping Collets with Square
- <10µ accuracy



Part Number	Description	Tap Shank (mm)	Square (mm)	Price
OM32955	ER32 Tapping Collet (<10 micron accuracy)	3.5	2.7	£18.00
OM32956		4	3.15/3.2	£18.00
OM32957		4.5	3.4	£18.00
OM32958		5	4	£18.00
OM32959		5.5	4.3	£18.00
OM33007		6	4.5	£18.00
OM32960		6	4.9	£18.00
OM32961		6.3	5	£18.00
OM32962		7	5.5	£18.00
OM32963		8	6.2/6.3	£18.00
OM33008		8.5	6.5	£18.00
OM32964		9	7.0/7.1	£18.00
OM32965		10	8	£18.00
OM33006		10.5	8	£18.00
OM32966		11	9	£18.00
OM32967		12	9	£18.00
OM32968		12.5	10	£18.00
OM32969		14	11.0/11.2	£18.00
OM32970		16	12	£18.00
OM32971		18	14.0/14.5	£18.00
OM32972		20	16	£18.00

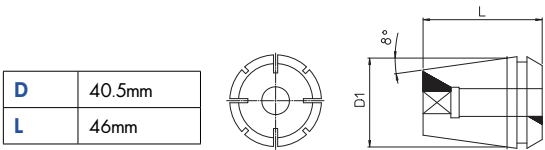


ER40 Tapping Collets

- Tapping Collets with Square
- <10µ accuracy



Part Number	Description	Tap Shank (mm)	Square (mm)	Price
OM32973	ER40 Tapping Collet (<10 micron accuracy)	4	3.15/3.2	£22.00
OM32974		4.5	3.4	£22.00
OM32975		5	4	£22.00
OM32976		5.5	4.3	£22.00
OM32977		6	4.9	£22.00
OM32978		6.3	5	£22.00
OM32979		7	5.5	£22.00
OM32980		8	6.2/6.3	£22.00
OM32981		9	7.0/7.1	£22.00
OM32982		10	8	£22.00
OM32983		11	9	£22.00
OM32984		12	9	£22.00
OM32985		12.5	10	£22.00
OM32986		14	11.0/11.2	£22.00
OM32987		16	12	£22.00
OM32988		18	14.0/14.5	£22.00
OM32989		20	16	£22.00
OM32990		22	18	£22.00



ER8 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/16" - 3/16"

Part Number	Description	Clamping Size	Price
OM32702	ER8 Standard Collet (10 micron accuracy)	1/16"	£15.00
OM32703		1/8"	£12.00
OM32704		3/16"	£12.00



ER11 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/16" - 1/4"

Part Number	Description	Clamping Size	Price
OM32711	ER11 Standard Collet (10 micron accuracy)	1/16"	£15.00
OM32712		1/8"	£11.00
OM32713		3/16"	£11.00
OM32714		1/4"	£11.00



ER16 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/16" - 3/8"

Part Number	Description	Clamping Size	Price
OM32723	ER16 Standard Collet (10 micron accuracy)	1/16"	£12.00
OM32724		1/8"	£9.00
OM32725		3/16"	£9.00
OM32726		1/4"	£9.00
OM32727		5/16"	£9.00
OM32728		3/8"	£9.00



ER20 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/16" - 1/2"

Part Number	Description	Clamping Size	Price
OM32741	ER20 Standard Collet (10 micron accuracy)	1/16"	£12.00
OM32742		1/8"	£9.00
OM32743		3/16"	£9.00
OM32744		1/4"	£9.00
OM32745		5/16"	£9.00
OM32746		3/8"	£9.00
OM32747		7/16"	£9.00
OM32748		1/2"	£9.00



ER25 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/16" - 5/8"

Part Number	Description	Clamping Size	Price
OM32765	ER25 Standard Collet (10 micron accuracy)	1/16"	£13.00
OM32766		1/8"	£9.00
OM32767		3/16"	£9.00
OM32768		1/4"	£9.00
OM32769		5/16"	£9.00
OM32770		3/8"	£9.00
OM32771		7/16"	£9.00
OM32772		1/2"	£9.00
OM32773		9/16"	£9.00
OM32774		5/8"	£9.00



ER32 Imperial Collets

- (<10µ accuracy)
- Clamping Range 1/8" - 3/4"

Part Number	Description	Clamping Size	Price
OM32795	ER32 Standard Collet (10 micron accuracy)	1/8"	£9.00
OM32796		3/16"	£9.00
OM32797		1/4"	£9.00
OM32798		5/16"	£9.00
OM32799		3/8"	£9.00
OM32800		7/16"	£9.00
OM32801		1/2"	£9.00
OM32802		9/16"	£9.00
OM32803		5/8"	£9.00
OM32804		11/16"	£9.00
OM32805		3/4"	£9.00



ER8 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32027	ER8 Standard Set	<10 micron	1 - 5mm (9 pcs)	£75.00
OM32029	ER8 Ultra Precision Set	<5 micron	1 - 5mm (9 pcs)	£140.00



ER11 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32069	ER11 Standard Set	<10 micron	1 - 7mm (13 pcs)	£79.00
OM32071	ER11 Ultra Precision Set	<5 micron	1 - 7mm (13 pcs)	£149.00
OM33612	ER11 High Pressure Sealed Set	<5 micron	3 - 7mm (8 pcs)	£120.00



ER16 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32129	ER16 Standard Set	<10 micron	1 - 10mm (10 pcs)	£46.00
OM32131	ER16 Ultra Precision Set	<5 micron	1 - 10mm (10 pcs)	£99.00
OM32486	ER16 Standard Sealed Set	<10 micron	3 - 10mm (8 pcs)	£106.00
OM33575	ER16 High Pressure Sealed Set	<5 micron	3 - 10mm (8 pcs)	£140.00
OM32992	ER16 Tapping Collet Set	<10 micron	(10 pcs)	£168.00



ER20 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32183	ER20 Standard Set	<10 micron	2 - 13mm (12 pcs)	£65.00
OM32185	ER20 Ultra Precision Set	<5 micron	2 - 13mm (12 pcs)	£129.00
OM32522	ER20 Standard Sealed Set	<10 micron	3 - 13mm (11 pcs)	£165.00
OM33576	ER20 High Pressure Sealed Set	<5 micron	3 - 13mm (11 pcs)	£209.00
OM32993	ER20 Tapping Collet Set	<10 micron	(13 pcs)	£215.00



ER25 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32246	ER25 Standard Set	<10 micron	2 - 16mm (15 pcs)	£72.00
OM32248	ER25 Ultra Precision Set	<5 micron	2 - 16mm (15 pcs)	£149.00
OM32567	ER25 Standard Sealed Set	<10 micron	3 - 16mm (14 pcs)	£198.00
OM33577	ER25 High Pressure Sealed Set	<5 micron	3 - 16mm (14 pcs)	£265.00
OM32994	ER25 Tapping Collet Set	<10 micron	(15 pcs)	£255.00



ER40 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32417	ER40 Standard Set	<10 micron	4 - 26mm (23 pcs)	£118.00
OM32419	ER40 Ultra Precision Set	<5 micron	4 - 26mm (23 pcs)	£265.00
OM32699	ER40 Standard Sealed Set	<10 micron	3 - 25mm (19 pcs)	£345.00
OM33579	ER40 High Pressure Sealed Set	<5 micron	3 - 25mm (19 pcs)	£449.00
OM32996	ER40 Tapping Collet Set	<10 micron	(19 pcs)	£415.00



ER32 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32324	ER32 Standard Set	<10 micron	3 - 20mm (18 pcs)	£79.00
OM32326	ER32 Ultra Precision Set	<5 micron	3 - 20mm (18 pcs)	£190.00
OM32624	ER32 Standard Sealed Set	<10 micron	3 - 20mm (18 pcs)	£249.00
OM33578	ER32 High Pressure Sealed Set	<5 micron	3 - 20mm (18 pcs)	£325.00
OM32995	ER32 Tapping Collet Set	<10 micron	(18 pcs)	£350.00



ER50 Collet Sets

Part Number	Description	Accuracy	Collet Range	Price
OM32459	ER50 Standard Set	<10 micron	12 - 34mm (12 pcs)	£235.00
OM32461	ER50 Ultra Precision Set	<5 micron	12 - 34mm (12 pcs)	£350.00



OZ12 Collets



- Standard Collets
- (<10µ accuracy)
- Clamping Range 1.0 - 12.0mm

Part Number	Description	Clamping Size (mm)	Price
OM33580	OZ 12 Standard Collets (<10µ accuracy)	1	£18.00
OM33581		1.5	£18.00
OM33582		2	£18.00
OM33583		2.5	£18.00
OM33584		3	£18.00
OM33585		3.5	£18.00
OM33586		4	£18.00
OM33587		4.5	£18.00
OM33588		5	£18.00
OM33589		5.5	£18.00
OM33590		6	£18.00
OM33591		6.5	£18.00
OM33592		7	£18.00
OM33593		7.5	£18.00
OM33594		8	£18.00
OM33595		8.5	£18.00
OM33596		9	£18.00
OM33597		9.5	£18.00
OM33598		10	£18.00
OM33599		10.5	£18.00
OM33600		11	£18.00
OM33601		11.5	£18.00
OM33602		12	£18.00

OZ16 Collets



- Standard Collets
- (<10µ accuracy)
- Clamping Range 2.0 - 16.0mm

Part Number	Description	Clamping Size (mm)	Price
OM30476	OZ 16 Standard Collets (<10µ accuracy)	2	£15.00
OM30477		3	£15.00
OM30478		4	£15.00
OM30479		5	£15.00
OM30480		6	£15.00
OM30481		7	£15.00
OM30482		8	£15.00
OM30483		9	£15.00
OM30484		10	£15.00
OM30485		11	£15.00
OM30486		12	£15.00
OM30487		13	£15.00
OM30488		14	£15.00
OM30489		15	£15.00
OM30490		16	£15.00

OZ25 Collets



- Standard Collets
- (<10µ accuracy)
- Clamping Range 2.0 - 25.0mm

Part Number	Description	Clamping Size (mm)	Price
OM31574	OZ 25 Standard Collets (<10µ accuracy)	2	£15.00
OM31575		3	£15.00
OM31576		4	£15.00
OM31577		5	£15.00
OM31578		6	£15.00
OM31579		7	£15.00
OM31580		8	£15.00
OM31581		9	£15.00
OM31582		10	£15.00
OM31583		11	£15.00
OM31584		12	£15.00
OM31585		13	£15.00
OM31586		14	£15.00
OM31587		15	£15.00
OM31588		16	£15.00
OM31589		17	£15.00
OM31590		18	£15.00
OM31591		19	£15.00
OM31592		20	£15.00
OM31593		21	£15.00
OM31594		22	£15.00
OM31595		23	£15.00
OM31596		24	£15.00
OM31597		25	£15.00

OZ32 Collets



- Standard Collets
- (<10µ accuracy)
- Clamping Range 3.0 - 32.0mm

Part Number	Description	Clamping Size (mm)	Price
OM31598	OZ 32 Standard Collets (<10µ accuracy)	3	£18.00
OM31599		4	£18.00
OM31600		5	£18.00
OM31601		6	£18.00
OM31602		7	£18.00
OM31603		8	£18.00
OM31604		9	£18.00
OM31605		10	£18.00
OM31606		11	£18.00
OM31607		12	£18.00
OM31608		13	£18.00
OM31609		14	£18.00
OM31610		15	£18.00
OM31611		16	£18.00
OM31612		17	£18.00
OM31613		18	£18.00
OM31614		19	£18.00
OM31615		20	£18.00
OM31616		21	£18.00
OM31617		22	£18.00
OM31618		23	£18.00
OM31619		24	£18.00
OM31620		25	£18.00
OM31621		26	£18.00
OM31622		27	£18.00
OM31623		28	£18.00
OM31624		29	£18.00
OM31625		30	£18.00
OM31626		31	£18.00
OM31627		32	£18.00

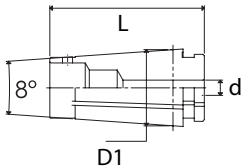
GSK06 Collets



- Ultra Precision Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 6.0mm

Part Number	Clamping Size (mm)	Price
OM30500	1	£16.00
OM30501	1.5	£16.00
OM30502	2	£16.00
OM30503	2.5	£16.00
OM30504	3	£16.00
OM30505	3.5	£16.00
OM30506	4	£16.00
OM30507	4.5	£16.00
OM30508	5	£16.00
OM30509	5.5	£16.00
OM30510	6	£16.00

D	10mm
L	24.6mm
Clamping Range	1.0 - 6.0mm



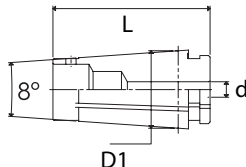
GSK10 Collets



- Ultra Precision Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 10.0mm

Part Number	Clamping Size (mm)	Price
OM30511	1	£16.00
OM30512	1.5	£16.00
OM30513	2	£16.00
OM30514	2.5	£16.00
OM30515	3	£16.00
OM30516	3.5	£16.00
OM30517	4	£16.00
OM30518	4.5	£16.00
OM30519	5	£16.00
OM30520	5.5	£16.00
OM30521	6	£16.00
OM30522	6.5	£16.00
OM30523	7	£16.00
OM30524	7.5	£16.00
OM30525	8	£16.00
OM30526	8.5	£16.00
OM30527	9	£16.00
OM30528	9.5	£16.00
OM30529	10	£16.00

D	15.5mm
L	30.5mm
Clamping Range	1.0 - 10.0mm



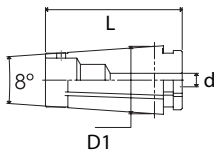
GSK16 Collets



- Ultra Precision Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 16.0mm

Part Number	Clamping Size (mm)	Price
OM30530	1	£18.00
OM30531	1.5	£18.00
OM30532	2	£18.00
OM30533	2.5	£18.00
OM30534	3	£18.00
OM30535	3.5	£18.00
OM30536	4	£18.00
OM30537	4.5	£18.00
OM30538	5	£18.00
OM30539	5.5	£18.00
OM30540	6	£18.00
OM30541	6.5	£18.00
OM30542	7	£18.00
OM30543	7.5	£18.00
OM30544	8	£18.00
OM30545	8.5	£18.00
OM30546	9	£18.00
OM30547	9.5	£18.00
OM30548	10	£18.00
OM30549	10.5	£18.00
OM30550	11	£18.00
OM30551	11.5	£18.00
OM30552	12	£18.00
OM30553	12.5	£18.00
OM30554	13	£18.00
OM30555	13.5	£18.00
OM30556	14	£18.00
OM30557	14.5	£18.00
OM30558	15	£18.00
OM30559	15.5	£18.00
OM30560	16	£18.00

D	24.6mm
L	45mm
Clamping Range	1.0 - 16.0mm



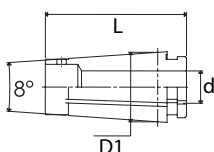
GSK25 Collets



- Ultra Precision Collets
- (<5µ accuracy)
- Clamping Range 1.0 - 25.0mm

Part Number	Clamping Size (mm)	Price
OM30561	1	£22.00
OM30562	1.5	£22.00
OM30563	2	£22.00
OM30564	2.5	£22.00
OM30565	3	£22.00
OM30566	3.5	£22.00
OM30567	4	£22.00
OM30568	4.5	£22.00
OM30569	5	£22.00
OM30570	5.5	£22.00
OM30571	6	£22.00
OM30572	6.5	£22.00
OM30573	7	£22.00
OM30574	7.5	£22.00
OM30575	8	£22.00
OM30576	8.5	£22.00
OM30577	9	£22.00
OM30578	9.5	£22.00
OM30579	10	£22.00
OM30580	10.5	£22.00
OM30581	11	£22.00
OM30582	11.5	£22.00
OM30583	12	£22.00
OM30584	12.5	£22.00
OM30585	13	£22.00

D	35mm
L	57mm
Clamping Range	1.0 - 25.0mm

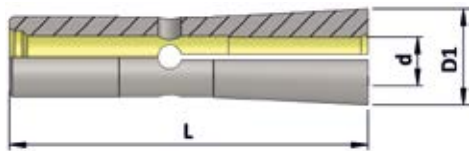


Part Number	Clamping Size (mm)	Price
OM30586	13.5	£22.00
OM30587	14	£22.00
OM30588	14.5	£22.00
OM30589	15	£22.00
OM30590	15.5	£22.00
OM30591	16	£22.00
OM30592	16.5	£22.00
OM30593	17	£22.00
OM30594	17.5	£22.00
OM30595	18	£22.00
OM30596	18.5	£22.00
OM30597	19	£22.00
OM30598	19.5	£22.00
OM30599	20	£22.00
OM30600	20.5	£22.00
OM30601	21	£22.00
OM30602	21.5	£22.00
OM30603	22	£22.00
OM30604	22.5	£22.00
OM30605	23	£22.00
OM30606	23.5	£22.00
OM30607	24	£22.00
OM30608	24.5	£22.00
OM30609	25	£22.00

DMC Collets

- Ultra Precision Draw Back Collets
- (<5µ accuracy)
- Clamping Range 2.0 - 10.0mm

Part Number	Description	Dimensions (mm)			Price
		Clamping Size (d)	D1	L	
OM30722	DMC 06	2	9.6	36	£28.00
OM30723		3	9.6	36	£28.00
OM30724		4	9.6	36	£28.00
OM30725		5	9.6	36	£28.00
OM30726		6	9.6	36	£28.00
OM30728	DMC 08	3	15	45	£28.00
OM30729		4	15	45	£28.00
OM30731		6	15	45	£28.00
OM30733	DMC 10	8	15	45	£28.00
OM33676		4	19.1	52	£28.00
OM33677		6	19.1	52	£28.00
OM33678		8	19.1	52	£28.00
OM33679		10	19.1	52	£28.00



Straight Collets

- For power milling chucks

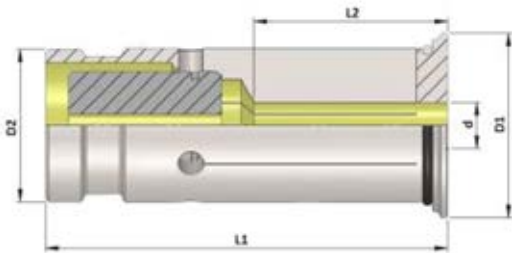
Part Number	Description	Outside Dia (mm)	Clamping Size (mm)	Price
OM33009	SC20 Straight Shank Collet	20	6	£16.00
OM33010			8	£16.00
OM33011			10	£16.00
OM33012			12	£16.00
OM33013			16	£16.00
OM33014	SC25 Straight Shank Collet	25	6	£16.00
OM33015			8	£16.00
OM33016			10	£16.00
OM33017			12	£16.00
OM33018			16	£16.00
OM33019	SC32 Straight Shank Collet	32	20	£16.00
OM33020			6	£16.00
OM33021			8	£16.00
OM33022			10	£16.00
OM33023			12	£16.00
OM33024			16	£16.00
OM33025			20	£16.00
OM33026			25	£16.00



Hydraulic Reduction Sleeves

- RS Sealed Sleeves for Hydraulic Expansion Chucks & Premium Power Milling Chucks
- Concentricity 0.005mm
- Wire cut slots to ensure no leakage & maximum accuracy

Part Number	Description	Dimensions (mm)					Price
		d	D1	D2	L	L1	
OM32214	RS SEAL 12	3	16.5	12	48	15	£49.00
OM32215		4	16.5	12	48	14	£49.00
OM32216		5	16.5	12	48	18	£49.00
OM32217		6	16.5	12	48	25	£49.00
OM32218		8	16.5	12	48	26	£49.00
OM32219	RS SEAL 20	3	29	20	52.5	14	£54.00
OM32220		4	29	20	52.5	15	£54.00
OM32221		5	29	20	52.5	18	£54.00
OM32222		6	29	20	52.5	25	£54.00
OM32223		7	29	20	52.5	25	£54.00
OM32224		8	29	20	52.5	30	£54.00
OM32225		9	29	20	52.5	30	£54.00
OM32274		10	29	20	52.5	33	£54.00
OM32275		11	29	20	52.5	33	£54.00
OM32276		12	29	20	52.5	34	£54.00
OM32277		13	29	20	52.5	34	£54.00
OM32278		14	29	20	52.5	34	£54.00
OM32279		15	29	20	52.5	40	£54.00
OM32280		16	29	20	52.5	40	£54.00
OM32281	RS SEAL 32	6	39	32	63.5	25	£56.00
OM32282		8	39	32	63.5	25	£56.00
OM32283		10	39	32	63.5	33	£56.00
OM32284		12	39	32	63.5	34	£56.00
OM32285		14	39	32	63.5	34	£56.00
OM32286		16	39	32	63.5	40	£56.00
OM32287		18	39	32	63.5	40	£56.00
OM32288		20	39	32	63.5	40	£56.00
OM32289		25	39	32	63.5	42	£56.00



Quick Change ER16 Tapping Collets

- QCTC-ER16 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

As per (ISO) (529-1975) Standards

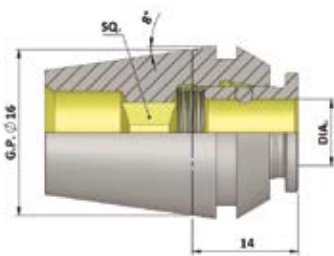
Part Number	Description	Dia	Square	Price
OM32542	QCTC ER16 (ISO)	3.15	2.50	£19.00
OM32543		3.55	2.80	£19.00
OM32544		4.00	3.15	£19.00
OM32545		4.50	3.55	£19.00
OM32546		5.00	4.00	£19.00
OM32547		5.60	4.50	£19.00
OM32548		6.30	5.00	£19.00

As per (DIN) Standards

Part Number	Description	Dia	Square	Price
OM32549	QCTC ER16 (DIN)	3.50	2.70	£19.00
OM32550		4.00	3.00	£19.00
OM32551		4.50	3.40	£19.00
OM32552		6.00	4.90	£19.00

As per (JIS) Standards

Part Number	Description	Dia	Square	Price
OM32550	QCTC ER16 (JIS)	4.00	3.00	£19.00
OM32568		4.00	3.20	£19.00
OM32546		5.00	4.00	£19.00
OM33098		5.50	4.50	£19.00
OM32588		6.00	4.50	£19.00
OM32589		6.10	5.00	£19.00
OM32590		6.20	5.00	£19.00



Quick Change ER20 Tapping Collets

- QCTC-ER20 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

As per (ISO) (529-1975) Standards

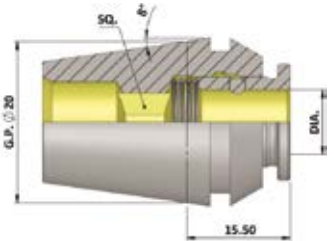
Part Number	Description	Dia	Square	Price
OM32591	QCTC ER20 (ISO)	3.15	2.50	£19.00
OM32592		3.55	2.80	£19.00
OM32593		4.00	3.15	£19.00
OM32594		4.50	3.55	£19.00
OM32595		5.00	4.00	£19.00
OM32596		5.60	4.50	£19.00
OM32597		6.30	5.00	£19.00
OM32598		7.10	5.60	£19.00

As per (DIN) Standards

Part Number	Description	Dia	Square	Price
OM32599	QCTC ER20 (DIN)	3.50	2.70	£19.00
OM32600		4.00	3.00	£19.00
OM32601		4.50	3.40	£19.00
OM32602		6.00	4.90	£19.00
OM32603		7.00	5.5	£19.00

As per (JIS) Standards

Part Number	Description	Dia	Square	Price
OM32600	QCTC ER20 (JIS)	4.00	3.00	£19.00
OM32604		4.00	3.20	£19.00
OM32595		5.00	4.00	£19.00
OM32605		5.50	4.50	£19.00
OM32625		6.00	4.50	£19.00
OM32651		6.10	5.00	£19.00
OM32652		6.20	5.00	£19.00
OM32603		7.00	5.50	£19.00



Quick Change ER25 Tapping Collets

- QCTC-ER25 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

As per (ISO) (529-1975) Standards

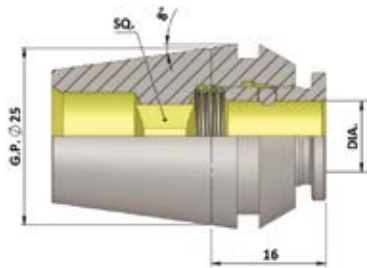
Part Number	Description	Dia	Square	Price
OM32653	QCTC ER25 (ISO)	3.15	2.50	£21.00
OM32654		3.55	2.80	£21.00
OM32655		4.00	3.15	£21.00
OM32656		4.50	3.55	£21.00
OM32657		5.00	4.00	£21.00
OM32658		5.60	4.50	£21.00
OM32659		6.30	5.00	£21.00
OM32660		7.10	5.60	£21.00
OM32661		8.00	6.30	£21.00
OM32662		9.00	7.10	£21.00
OM32663		10.00	8.00	£21.00

As per (DIN) Standards

Part Number	Description	Dia	Square	Price
OM32664	QCTC ER25 (DIN)	3.50	2.70	£21.00
OM32665		4.00	3.00	£21.00
OM32666		4.50	3.40	£21.00
OM32667		6.00	4.90	£21.00
OM32668		7.00	5.50	£21.00
OM32705		8.00	6.20	£21.00
OM32669		9.00	7.00	£21.00
OM32663		10.00	8.00	£21.00

As per (JIS) Standards

Part Number	Description	Dia	Square	Price
OM32665	QCTC ER25 (JIS)	4.00	3.00	£21.00
OM32670		4.00	3.20	£21.00
OM32657		5.00	4.00	£21.00
OM32671		5.50	4.50	£21.00
OM32672		6.00	4.50	£21.00
OM32673		6.10	5.00	£21.00
OM32674		6.20	5.00	£21.00
OM32668		7.00	5.50	£21.00
OM32700		8.00	6.00	£21.00
OM32705		8.00	6.20	£21.00
OM32706		8.50	6.50	£21.00
OM32669		9.00	7.00	£21.00



Quick Change ER32 Tapping Collets

- QCTC-ER32 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

As per (ISO) (529-1975) Standards

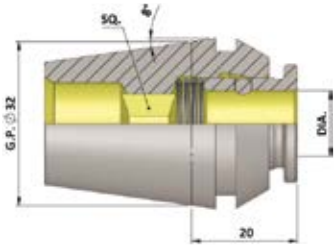
Part Number	Description	Dia	Square	Price
OM32707	QCTC ER32 (ISO)	3.15	2.50	£23.00
OM32715		3.55	2.80	£23.00
OM32716		4.00	3.15	£23.00
OM32717		4.50	3.55	£23.00
OM32718		5.00	4.00	£23.00
OM32729		5.60	4.50	£23.00
OM32730		6.30	5.00	£23.00
OM32731		7.10	5.60	£23.00
OM32732		8.00	6.30	£23.00
OM32733		9.00	7.10	£23.00
OM32734		10.00	8.00	£23.00
OM32749		11.20	9.00	£23.00
OM32750		12.50	10.00	£23.00
OM32751		14.00	11.20	£23.00

As per (DIN) Standards

Part Number	Description	Dia	Square	Price
OM32752	QCTC ER32 (DIN)	3.50	2.70	£23.00
OM32753		4.00	3.00	£23.00
OM32754		4.50	3.40	£23.00
OM32755		6.00	4.90	£23.00
OM32756		7.00	5.50	£23.00
OM32775		8.00	6.20	£23.00
OM32776		9.00	7.00	£23.00
OM32734		10.00	8.00	£23.00
OM32777		11.00	9.00	£23.00
OM32778		12.00	9.00	£23.00
OM32779		14.00	11.00	£23.00

As per (JIS) Standards

Part Number	Description	Dia	Square	Price
OM32753	QCTC ER32 (JIS)	4.00	3.00	£23.00
OM32780		4.00	3.20	£23.00
OM32718		5.00	4.00	£23.00
OM32781		5.50	4.50	£23.00
OM32782		6.00	4.50	£23.00
OM32783		6.10	5.00	£23.00
OM32784		6.20	5.00	£23.00
OM32756		7.00	5.50	£23.00
OM32806		8.00	6.00	£23.00
OM32775		8.00	6.20	£23.00
OM32807		8.50	6.50	£23.00
OM32776		9.00	7.00	£23.00
OM32808		10.50	8.00	£23.00
OM32777		11.00	9.00	£23.00
OM32778		12.00	9.00	£23.00
OM32750		12.50	10.00	£23.00
OM32779		14.00	11.00	£23.00



Quick Change ER40 Tapping Collets

- QCTC-ER40 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

As per (ISO) (529-1975) Standards

Part Number	Description	Dia	Square	Price
OM32809	QCTC ER40 (ISO)	3.15	2.50	£25.00
OM32810		3.55	2.80	£25.00
OM32811		4.00	3.15	£25.00
OM32812		4.50	3.55	£25.00
OM32813		5.00	4.00	£25.00
OM32814		5.60	4.50	£25.00
OM32815		6.30	5.00	£25.00
OM32816		7.10	5.60	£25.00
OM32853		8.00	6.30	£25.00
OM32854		9.00	7.10	£25.00
OM32855		10.00	8.00	£25.00
OM32856		11.20	9.00	£25.00
OM32857		12.50	10.00	£25.00
OM32858		14.00	11.20	£25.00
OM32859		16.00	12.50	£25.00
OM32860		18.00	14.00	£25.00

As per (DIN) Standards

Part Number	Description	Dia	Square	Price
OM32861	QCTC ER40 (DIN)	3.50	2.70	£25.00
OM32862		4.00	3.00	£25.00
OM32863		4.50	3.40	£25.00
OM32864		6.00	4.90	£25.00
OM32865		7.00	5.50	£25.00
OM32866		8.00	6.20	£25.00
OM32854		9.00	7.00	£25.00
OM32855		10.00	8.00	£25.00
OM32867		11.00	9.00	£25.00
OM32868		12.00	9.00	£25.00
OM32869		14.00	11.00	£25.00
OM32870		16.00	12.00	£25.00
OM32871		18.00	14.50	£25.00



Quick Change ER40 Tapping Collets

- QCTC-ER40 Rigid Collets
- Quick Release System
- No Compression & No Expansion
- Recommended for use with MLC Synchro Tapping Chucks

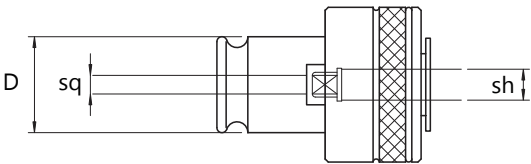
As per (JIS) Standards

Part Number	Description	Dia	Square	Price
OM32862	QCTC ER40 (JIS)	4.00	3.00	£25.00
OM32872		4.00	3.20	£25.00
OM32813		5.00	4.00	£25.00
OM32873		5.50	4.50	£25.00
OM32874		6.00	4.50	£25.00
OM32875		6.10	5.00	£25.00
OM32876		6.20	5.00	£25.00
OM32865		7.00	5.50	£25.00
OM32877		8.00	6.00	£25.00
OM32866		8.00	6.20	£25.00
OM33059		8.50	6.50	£25.00
OM32854		9.00	7.00	£25.00
OM33061		10.50	8.00	£25.00
OM32867		11.00	9.00	£25.00
OM32868		12.00	9.00	£25.00
OM32857		12.50	10.00	£25.00
OM33092		13.00	10.00	£25.00
OM32869		14.00	11.00	£25.00
OM33094		15.00	12.00	£25.00
OM32870		16.00	12.00	£25.00
OM32860		18.00	14.00	£25.00



Quick Change Tap Adaptors with Clutch

- For Tension & Compression Tapping Chucks
- Tapping Range M2 - M36



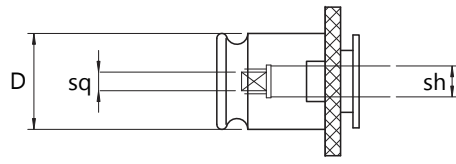
Part Number	Description	Thread	Tap Shank (mm)	Tap Square (mm)	D (mm)	Price
OM30200	Size 1 Tap adaptor with Clutch (FES1)	M2	2.8	2.1	19	£34.00
OM30201		M3	3.5	2.7		£34.00
OM30202		M3.5	4	3		£34.00
OM30203		M4	4.5	3.4		£34.00
OM30204		M5	6	4.9		£34.00
OM30205		M6	6	4.9		£34.00
OM30206		M8	8	6.3		£34.00
OM30207		M10	10	8		£34.00
OM30208		M12	9	7		£34.00
OM30209	Size 2 Tap adaptor with Clutch (FES2)	M6	6	4.9	31	£45.00
OM30210		M8	8	6.2		£45.00
OM30211		M10	10	8		£45.00
OM30212		M12	9	7		£45.00
OM30213		M14	11	9		£45.00
OM30214		M16	12	9		£45.00
OM30215		M18	14	11		£45.00
OM30216		M20	16	12		£45.00
OM30217	Size 3 Tap adaptor with Clutch (FES3)	M14	11	9	48	£65.00
OM30218		M16	12	9		£65.00
OM30219		M18	14	11		£65.00
OM30220		M20	16	12		£65.00
OM30221		M22	18	14.5		£65.00
OM30222		M24	18	14.5		£65.00
OM30223		M27	20	16		£65.00
OM30224		M30	22	18		£65.00
OM30225		M33	25	20		£65.00
OM30226		M36	28	22		£65.00

- Helps reduce broken taps
- Improved thread quality
- Taps & adaptors cannot slip in chuck
- Adjustable clutch control
- Recommended for high value workpieces and materials that are difficult to tap



Quick Change Tap Adaptors without Clutch

- For Tension & Compression Tapping Chucks
- Tapping Range M2 - M36



Part Number	Description	Thread	Tap Shank (mm)	Tap Square (mm)	D (mm)	Price
OM30227	Size 1 Tap adaptor without Clutch (FE1)	M2	2.8	2.1	19	£15.00
OM30228		M3	3.5	2.7		£15.00
OM30229		M4	4.5	3.4		£15.00
OM30230		M5/M6	6	4.9		£15.00
OM30231		M8	8	6.2		£15.00
OM30232		M10	10	8		£15.00
OM30233		M12	9	7		£15.00
OM30234	Size 2 Tap adaptor without Clutch (FE2)	M5/M6	6	4.9	31	£20.00
OM30235		M8	8	6.2		£20.00
OM30236		M10	10	8		£20.00
OM30237		M12	9	7		£20.00
OM30238		M14	11	9		£20.00
OM30239		M16	12	9		£20.00
OM30240		M18	14	11		£20.00
OM30241		M20	16	12		£20.00
OM30242	Size 3 Tap adaptor without Clutch (FE3)	M14	11	9	48	£41.00
OM30243		M16	12	9		£41.00
OM30244		M18	14	11		£41.00
OM30245		M20	16	12		£41.00
OM30246		M24	18	14.5		£41.00
OM30247		M27	20	16		£41.00
OM30248		M30	22	18		£41.00
OM30249		M33	25	20		£41.00
OM30250		M36	28	22		£41.00

- Lower Cost
- Improved thread quality
- Taps & adaptors cannot slip in chuck
- No clutch control
- Recommended for lower value workpieces



Tap Shank Dimensions ISO 529-1975

Dimension	Metric		UNC		UNF		BSW		BSF		BA	
Dia. x Square		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged
3.15 x 2.5	M4	M3	-	No. 4-40	-	No. 4-48	-	-	-	-	-	No. 5
	-	-	No. 8-32	No. 5-40	No. 8-36	No. 5-44	-	-	-	-	No.3	-
3.55 x 2.8	M4.5	M3.5	No. 10-24	No. 6-32	No. 10-32	No. 6-40	3/16"-24	-	3/16"-32	-	No.2	No.4
4 x 3.15	M5	M4	No. 12-24	-	No.12-28	-	-	-	7/32"-28	-	No.1	-
4.5 x 3.55	M6	-	1/4"-20	No. 8-32	1/4"-28	No. 3-36	1/4"-20	-	1/4"-26	-	No. 0	No. 3
5 x 4	-	M5	-	No. 10-24	-	No. 10-32	-	3/16"-24	-	3/16"-32	-	No. 2
5.6 x 4.5	-	-	-	No. 12-24	-	No.12-28	-	-	9/32"-26	7/32"-28	-	No.1
6.3 x 5	M8	M6	5/16"-18	1/4"-20	5/16"-24	1/4"-28	5/16"-18	1/4"-20	5/16"-22	1/4"-26	-	No.0
7.1 x 5.6	-	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	9/32"-36	-	-
8 x 6.3	M10	M8	7/16"-14	5/16"-18	7/16"-20	-	7/16"-14	5/16"-18	7/16"-18	5/16"-22	-	-
9 x 7.1	M12	-	1/2"-13	-	1/2"-2-	-	1/2"-12	-	1/2"-12	-	-	-
10 x 8	-	M10	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	-	-
11.2 x 9	M14	-	9/16"-12	-	9/16"-18	-	9/16"-12	-	9/16"-16	-	-	-
12.5 x 10	M16	-	5/8"-11	-	5/8"-18	-	5/8"-11	-	3/8"-14	-	-	-
14 x 11.2	M18	-	3/4"-10	-	3/4"-16	-	11/16"-11	-	11/16"-14	-	-	-
	M20	-	-	-	-	-	3/4"-10	-	3/4"-12	-	-	-
16 x 12.5	M22	-	7-8"-9	-	7/8"-14	-	7/8"-9	-	7/8"-11	-	-	-
18 x 14	M24	-	1"-8	-	1"-12	-	1"-8	-	1"-10	-	-	-
20 x 16	M27	-	11/8"-7	-	118"-12	-	11/8"-7	-	11/8"-9	-	-	-
	M30	-	-	-	-	-	-	-	-	-	-	-
22.4 x 18	M33	-	11/4"-4	-	11/4"-12	-	11/4"-7	-	11/4"-9	-	-	-
25 x 20	M36	-	13-8"-6	-	13/8"-12	-	-	-	13/8"-8	-	-	-
28 x 22.4	M39	-	11/2"-6	-	11/2"-12	-	11/2"-6	-	11/2"-8	-	-	-
	M42	-	-	-	-	-	-	-	15/8"-8	-	-	-
31.5 x 25	M45	-	13/4"-5	-	-	-	13/4"-5	-	13/4"-7	-	-	-
	M48	-	-	-	-	-	-	-	-	-	-	-

Tap Shank Dimensions DIN Standards

Dimension	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183
Dia. x Square							
3.5 X 2.7	M3	-	M3	M5	M5	1/8"	-
4 X 3	M4	-	M3.5	-	-	-	-
4.5 X 3.4	M4	-	M4	M6	M6	5/32"	1/4"
6 X 4.9	M5	-	M5	-	-	7/32"	-
	M6	-	M6	-	-	-	-
	M8	-	-	M8	M8	-	-
	M10	G 1/8"	-	M10	M10	1/4"	3/8"
8 X 6.2	-	-	M8	-	-	5/16"	7/16"
9 X 7	M12	-	-	M12	M12	3/8"	1/2"
10 X 8	-	-	M10	-	-	-	-
11 X 9	M14	G 1/4"	-	M14	M14	-	9/16"
12 X 9	M16	G 3/8"	-	M16	M16	-	5/8"
14 X 11	M18	-	-	M18	M18	-	11/16"
16 X 12	M20	G 1/2"	-	M20	M20	-	13/16"
18 X 14.5	M22	G 5/8"	-	M22	M22	-	7/8"
	M24	-	-	M24	M24	-	15/16"
20 X 16	M27	G 3/4"	-	M27	M27	-	1"
22 X 18	M30	G 7/8"	-	M30	M30	-	118"
25 X 20	M33	G 1"	-	M33	M33	-	11/4"
28 X 22	M36	G 11/8"	-	M36	M36	-	13/8"
32 X 24	M39	G 11/8"	-	M39	M39	-	11/2"
	M42	-	-	M42	M42	-	15/8"
36 X 29	M45	G 3/8"	-	M45	M45	-	13/4"
	M48	G 11/2"	-	M48	M48	-	17/8"
	-	G 13/4"	-	-	-	-	-
	-	G 2"	-	-	-	-	-

Tap Shank Dimensions (JIS Standards)

Dimensions (mm)		Tap Size
Dia.	Square	
3.00	2.50	M1, M2.6
4.00	3.00	M3, M3.5
4.00	3.20	M3, M3.5
5.00	4.00	M4, M4.5
5.50	4.50	M5, M5.5
6.00	4.50	M6, 1/4"UNC
6.10	5.00	5/16"UNC
6.20	5.00	M7, M8
7.00	5.50	M9, M10, 3/8"UNC
8.00	6.00	M11, 7/16"UNC, 1/8"P
8.00	6.20	M11, 1/8"BSP
8.50	6.50	M12
9.00	7.00	1/2"UNC
9.50	7.00	M13
10.50	8.00	M14, M15, 9/16"UNC
11.00	9.00	1/4"P
12.00	9.00	5/8"UNC
12.50	10.00	M16
13.00	10.00	M17
14.00	11.00	M18, 3/4"UNC, 3/8"P
15.00	12.00	M20
17.00	13.00	M22, 7/8"UNC
18.00	14.00	1/2"P
19.00	15.00	M24, .25, 5/8"P
20.00	15.00	M26, M27, 1"UNC
21.00	17.00	M28
22.00	17.00	11/8" UNC
23.00	17.00	M30, 3/4"P
24.00	19.00	M32, 7/8"UNC
25.00	19.00	M33
26.00	21.00	M34, M35 1"P
28.00	21.00	M36, M38 11/8"P
30.00	23.00	M39, M40
32.00	26.00	M42, 11/4"P
35.00	26.00	M45, 13/8"P
38.00	29.00	M48, 11/2"P
40.00	32.00	M52, M56 & 17/8"UNC, 2"UNC

Tap Shank Dimensions ANSI (US Standards)

Dimension in Inch		Metric Conversions		Tap Size
Dia.	Square	Dia.	Square	
0.141	0.110	3.59	2.80	1/8" No.6
0.168	0.131	4.27	3.33	5/32" No.8
0.194	0.152	4.93	3.87	3/16" No.10
0.220	0.165	5.59	4.20	No.12
0.255	0.191	6.48	4.86	1/4" No.14
0.313	0.234	7.94	5.95	1/16"Ps 1/18"Ps
0.318	0.238	8.08	6.05	5/16" 3/8"
0.323	0.242	8.21	6.15	5/16" 7/16"
0.367	0.275	9.33	6.99	1/2"
0.381	0.286	9.68	7.27	3/8"
0.429	0.322	10.90	8.18	9/16"
0.438	0.328	11.12	8.34	1/8"PLs
0.480	0.360	12.20	9.15	5/8"
0.542	0.406	13.77	10.31	11/16"
0.563	0.421	14.29	10.70	1/4"Ps
0.590	0.442	14.99	11.23	3/4"
0.652	0.489	16.57	12.43	M20, 13/16"
0.688	0.515	17.47	13.09	12" Ps
0.697	0.523	17.71	13.29	7/8"
0.700	0.531	17.78	13.49	3/8"Ps
0.760	0.570	19.31	14.48	M24, 15/16"
0.800	0.600	20.32	15.24	1"
0.896	0.672	22.76	17.07	11/8"
0.906	0.679	23.02	17.25	3/4"P
1.021	0.766	25.94	19.46	11/4"
1.108	0.831	28.15	21.11	13/8"
1.125	0.843	28.58	21.42	1"P
1.233	0.925	31.32	23.50	11/2"
1.313	0.984	33.34	25.00	11/4"P
1.430	1.072	36.33	27.23	13/4"
1.500	1.125	38.10	28.58	11/2"P
1.644	1.233	41.76	31.32	2"

Boring Heads

- High Rigidity & Precision
- 0.01mm Graduation
- Wide range of boring diameters and depths
- 1.1/2x18TPI Thread



Part Number	Description	Head Dia (mm)	Height (mm)	Bar Dia (mm)	Graduation (mm)	Range (mm)	Price
OM31433	FI-12 12mm Boring Head	50	61.6	12	0.01	10-125	£79.00
OM31434	FI-18 18mm Boring Head	75	80.2	18	0.01	12-225	£154.00
OM31435	FI-25 25mm Boring Head	100	93.2	25	0.01	15-320	£232.00

Boring Head Adaptors

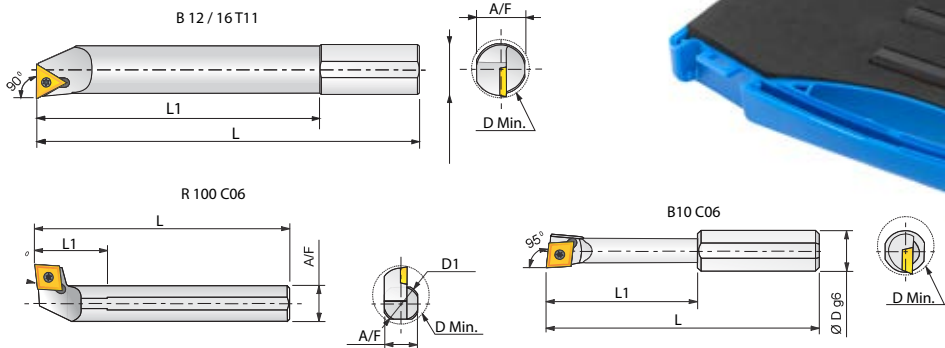
- For Mounting Boring Heads
- Common Mounting Thread 1.1/2" x 18 TPI

Part Number	Description	Thread	Price
OM31061	BT40 F1	1-1/2" x 18TPI	£42.00
OM31134	BT50 F1		£63.00
OM31192	DV40 F1		£42.00
OM31531	DV50 F1		£63.00
OM31967	DIN2080 30 F1		£42.00
OM31563	DIN2080 40 F1		£42.00
OM31990	DIN2080 50 F1		£63.00
OM31317	R8 F1		£36.00
OM30795	HSK63A F1		£110.00
OM30370	MT4 F1		£35.00



12mm - Axial / Radial
4 Piece Boring Bars

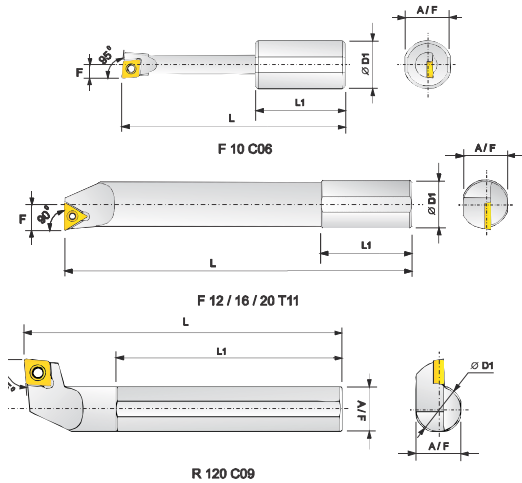
- For FI-12 Boring Head
- 4 Bar Set includes all bars listed below (OM01010)



Part Number	Description	Dimensions					Insert	Price
		D1	D Min	L	L1	A/F		
OM01100	B10 C06	12	5	85	35	11	CCMT 0602	£29.00
OM01101	B12 T11	12	6	95	35	11	TCMT 1102	£29.00
OM01102	B16 T11	12	8	105	35	11	TCMT 1102	£29.00
OM01103	R100 C06	12	13	72	50	11	CCMT 0602	£29.00
OM01010	4 Bar 12mm Set for Boring Head	-	-	-	-	-	-	£89.00

18mm - Axial / Radial
5 Piece Boring Bars

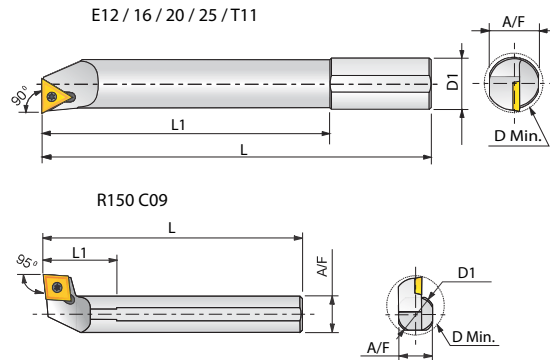
- For FI-18 Boring Head
- 5 Bar Set includes all bars listed below (OM01011)



Part Number	Description	Dimensions					Insert	Price
		D1	D Min	L	L1	A/F		
OM01104	F10 C06	18	5	85	35	17	CCMT 0602	£29.00
OM01105	F12 T11	18	6	95	35	17	TCMT 1102	£29.00
OM01106	F16 T11	18	8	105	35	17	TCMT 1102	£29.00
OM01107	F20 T11	18	10	135	35	17	TCMT 1102	£29.00
OM01108	R120 C09	18	19	123	88	17	CCMT 09T3	£29.00
OM01011	5 Bar 18mm Set For Boring Head	-	-	-	-	-	-	£119.00

25mm - Axial / Radial
5 Piece Boring Bars

- For FI-25 Boring Head
- 5 Bar Set includes all bars listed below (OM01012)

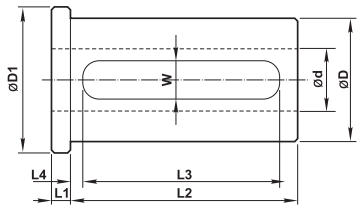


Part Number	Description	Dimensions					Insert	Price
		D1	D Min	L	L1	A/F		
OM01109	E12 T11	25	6	95	35	23.5	TCMT 1102	£38.00
OM01110	E16 T11	25	8	105	35	23.5	TCMT 1102	£38.00
OM01111	E20 T11	25	10	135	35	23.5	TCMT 1102	£38.00
OM01112	E25 T11	25	12.50	160	35	23.5	TCMT 1102	£38.00
OM01113	R150 C09	25	22	134	88	23.5	CCMT 09T3	£38.00
OM01012	5 Bar 25mm Set For Boring Head	-	-	-	-	-	-	£178.00

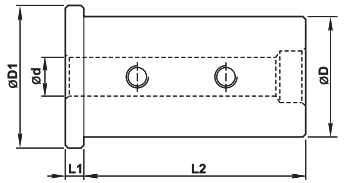
Boring Bar Sleeves

- Reduction Sleeves
- Hardened & Ground
- Form A = Slotted
- Form B = Grub Screw

Part Number	Description	Dimensions (mm)								Form	Price
		D (OD)	d (ID)	D1	L1	L2	L3	L4	W		
OM20200	BBB 16 / 08 / 45	16	8	22	5	40	-	-	-	B	£12.00
OM20201	BBB 16 / 10 / 45		10	22	5	40	32	3	7	A	£12.00
OM20202	BBB 20 / 08 / 55	20	8	26	5	50	-	-	-	B	£13.00
OM20203	BBB 20 / 10 / 55		10	26	5	50	-	-	-	B	£13.00
OM20204	BBB 20 / 12 / 55		12	26	5	50	42	3	9	A	£13.00
OM19184	BBB 25 / 06 / 55	25	6	32	5	50	-	-	-	B	£15.00
OM20205	BBB 25 / 08 / 55		8	32	5	50	-	-	-	B	£15.00
OM20206	BBB 25 / 10 / 55		10	32	5	50	-	-	-	B	£15.00
OM20207	BBB 25 / 12 / 55		12	32	5	50	-	-	-	B	£15.00
OM19188	BBB 25 / 14 / 55		14	32	5	50	42	3	10	A	£15.00
OM20208	BBB 25 / 16 / 55		16	32	5	50	42	3	10	A	£15.00
OM19190	BBB 25 / 18 / 55		18	32	5	50	42	3	10	A	£15.00
OM19191	BBB 25 / 20 / 55		20	32	5	50	42	3	10	A	£15.00
OM19193	BBB 32 / 06 / 65	32	6	38	5	60	-	-	-	B	£17.00
OM20209	BBB 32 / 08 / 65		8	38	5	60	-	-	-	B	£17.00
OM20210	BBB 32 / 10 / 65		10	38	5	60	-	-	-	B	£17.00
OM20211	BBB 32 / 12 / 65		12	38	5	60	-	-	-	B	£17.00
OM20212	BBB 32 / 16 / 65		16	38	5	60	52	3	10	A	£17.00
OM20213	BBB 32 / 20 / 65		20	38	5	60	52	3	10	A	£17.00
OM20214	BBB 32 / 25 / 65	40	25	38	5	60	52	3	10	A	£17.00
OM20109	BBB 40 / 06 / 90		6	48	5	85	-	-	-	B	£19.00
OM20215	BBB 40 / 08 / 90		8	48	5	85	-	-	-	B	£19.00
OM20216	BBB 40 / 10 / 90		10	48	5	85	-	-	-	B	£19.00
OM20217	BBB 40 / 12 / 90		12	48	5	85	-	-	-	B	£19.00
OM20218	BBB 40 / 16 / 90		16	48	5	85	77	2	12	A	£19.00
OM20219	BBB 40 / 20 / 90		20	48	5	85	77	2	12	A	£19.00
OM20220	BBB 40 / 25 / 90		25	48	5	85	77	2	12	A	£19.00
OM20221	BBB 40 / 32 / 90	50	32	48	5	85	77	2	12	A	£19.00
OM20222	BBB 50 / 16 / 100		16	58	8	92	80	4	12	A	£59.00
OM20223	BBB 50 / 20 / 100		20	58	8	92	80	4	12	A	£59.00
OM20224	BBB 50 / 25 / 100		25	58	8	92	80	4	12	A	£59.00
OM20225	BBB 50 / 32 / 100		32	58	8	92	80	4	12	A	£59.00
OM20226	BBB 50 / 40 / 100		40	58	8	92	80	4	12	A	£59.00



Form A



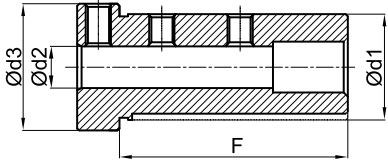
Form B



Boring Bar Reduction Sleeves
SM E

- For VDI Tool Holders
- Sleeves for E1 & E2 types of Smaller Tools

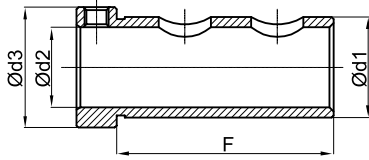
Part Number	Description	Dimensions (mm)				Price
		d1	d2	d3	F	
OM33253	SM E 20 08	20	8	25	39	£27.00
OM33254	SM E 20 10		10			£27.00
OM33255	SM E 25 08	25	8	30	50	£28.00
OM33256	SM E 25 10		10			£28.00
OM33257	SM E 25 12		12			£28.00
OM33258	SM E 32 08	32	8	37	59	£30.00
OM33259	SM E 32 10		10			£30.00
OM33260	SM E 32 12		12			£30.00
OM33261	SM E 32 16		16			£30.00
OM33262	SM E 40 08	40	8	45	69	£34.00
OM33263	SM E 40 10		10			£34.00
OM33264	SM E 40 12		12			£34.00
OM33265	SM E 40 16		16			£34.00
OM33266	SM E 40 20		20			£34.00
OM33267	SM E 50 08	50	8	55	80	£40.00
OM33268	SM E 50 10		10			£40.00
OM33269	SM E 50 12		12			£40.00
OM33270	SM E 50 16		16			£40.00
OM33271	SM E 50 20		20			£40.00



Boring Bar Reduction Sleeves
SM E1

- For VDI Tool Holders
- Sleeves for E1 types of Bigger Tools

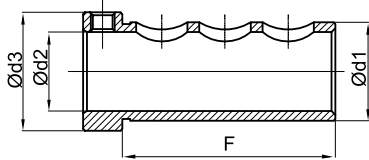
Part Number	Description	Dimensions (mm)				Price
		d1	d2	d3	F	
OM33272	SM E1 20 12	20	12	25	52	£26.00
OM33273	SM E1 20 16		16			£26.00
OM33274	SM E1 25 16	25	16	30	50	£27.00
OM33275	SM E1 25 20		20			£27.00
OM33276	SM E1 32 20	32	20	37	59	£29.00
OM33277	SM E1 32 25		25			£29.00
OM33278	SM E1 40 25	40	25	45	69	£32.00
OM33279	SM E1 40 32		32			£32.00
OM33280	SM E1 50 25	50	25	55	80	£40.00
OM33281	SM E1 50 32		32			£40.00
OM33282	SM E1 50 40		40			£40.00



Boring Bar Reduction Sleeves
SM E2

- For VDI Tool Holders
- Sleeves for E2 types of Bigger Tools

Part Number	Description	Dimensions (mm)				Price
		d1	d2	d3	F	
OM33283	SM E2 20 12 L39	20	12	25	39	£26.00
OM33284	SM E2 20 12 L52				52	£26.00
OM33285	SM E2 20 16 L39		16	25	39	£26.00
OM33286	SM E2 20 16 L52				52	£26.00
OM33287	SM E2 25 16	25	16	30	50	£27.00
OM33288	SM E2 25 20		20			£27.00
OM33289	SM E2 32 20	32	20	37	59	£29.00
OM33290	SM E2 32 25		25			£29.00
OM33291	SM E2 40 25	40	25	45	69	£32.00
OM33292	SM E2 40 32		32			£32.00
OM33293	SM E2 50 25	50	25	55	80	£40.00
OM33294	SM E2 50 32		32			£40.00
OM33295	SM E2 50 40		40			£40.00



ER Collet Chucks

- Morse Taper (DIN228)
- Standard ER Collet System

Part Number	Description	Morse Taper	Collet Size	Price
OM30329	MT2 ER16 Collet Chuck	2	ER16	£40.00
OM30469	MT2 ER25 Collet Chuck		ER25	£45.00
OM30399	MT2 ER32 Collet Chuck		ER32	£48.00
OM30470	MT3 ER16 Collet Chuck	3	ER16	£40.00
OM30471	MT3 ER25 Collet Chuck		ER25	£45.00
OM30397	MT3 ER32 Collet Chuck		ER32	£48.00
OM30264	MT3 ER40 Collet Chuck	4	ER40	£59.00
OM30472	MT4 ER25 Collet Chuck		ER25	£45.00
OM30473	MT4 ER32 Collet Chuck		ER32	£48.00
OM30474	MT4 ER40 Collet Chuck	5	ER40	£59.00
OM30330	MT5 ER32 Collet Chuck		ER32	£75.00
OM30328	MT5 ER40 Collet Chuck		ER40	£75.00
OM30310	MT5 ER50 Collet Chuck		ER50	£85.00



Reduction Sleeves

- Morse Taper (DIN228)

Part Number	Description	External Taper (K)	Internal Taper (K1)	Length (L)	Price
OM30049	Morse Taper Reduction Sleeve	MT 1	MT 0	85	£6.00
OM30050		MT 2	MT 1	92	£6.00
OM30051		MT 3	MT 1	99	£6.00
OM30052			MT 2	112	£6.00
OM30053		MT 4	MT 1	124	£10.00
OM30054			MT 2	124	£10.00
OM30055			MT 3	140	£10.00
OM30056		MT 5	MT 1	156	£20.00
OM30057			MT 2	156	£20.00
OM30058			MT 3	156	£20.00
OM30059			MT 4	174	£20.00
OM30060		MT 6	MT 1	218	£40.00
OM30061			MT 2	218	£40.00
OM30062			MT 3	218	£40.00
OM30063			MT 4	218	£40.00
OM30064			MT 5	218	£40.00



Straight Shank to Morse Taper Adaptors

- Turret Sockets

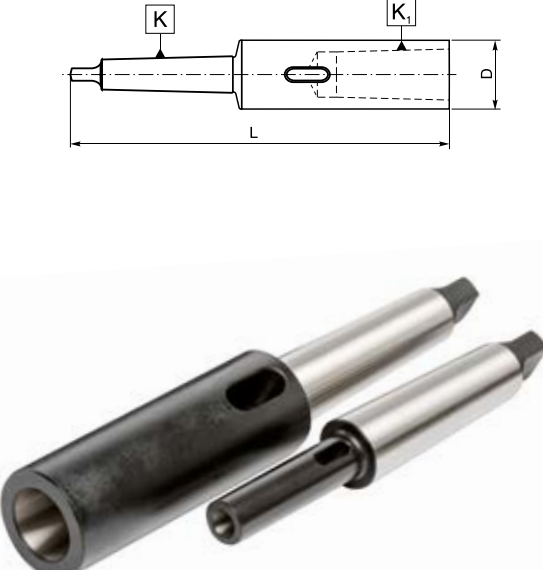
Part Number	Outside Diameter (mm)	Morse Taper	Length (mm)	Price
OM20227	25	MT 1	80	£20.00
OM20228		MT 2	92	£20.00
OM20229	32	MT 1	76	£20.00
OM20230		MT 2	75	£20.00
OM20231	40	MT 3	95	£20.00
OM20232		MT 1	90	£29.00
OM20233	40	MT 2	90	£29.00
OM20234		MT 3	95	£29.00
OM20235	50	MT 4	142	£29.00
OM20236		MT 1	100	£49.00
OM20237		MT 2	100	£49.00
OM20238		MT 3	115	£49.00
OM20239		MT 4	142	£49.00



Extension Sleeves

- Morse Taper (DIN228)

Part Number	Description	External Taper (K)	Internal Taper (K1)	Length (L)	Price
OM30065	Morse Taper Extension Sleeve	MT 1	MT 1	145	£13.00
OM30066			MT 2	160	£15.00
OM30067			MT 3	183	£20.00
OM30068		MT 2	MT 1	160	£15.00
OM30069			MT 2	175	£16.00
OM30070			MT 3	196	£20.00
OM30071		MT 3	MT 4	221	£37.00
OM30072			MT 1	175	£20.00
OM30073			MT 2	194	£18.00
OM30074			MT 3	215	£20.00
OM30075		MT 4	MT 4	240	£29.00
OM30076			MT 1	200	£25.00
OM30077			MT 2	215	£28.00
OM30078			MT 3	240	£30.00
OM30079			MT 4	265	£32.00
OM30080			MT 5	300	£55.00
OM30081		MT 5	MT 1	232	£51.00
OM30082			MT 2	247	£50.00
OM30083			MT 3	268	£50.00
OM30084			MT 4	300	£50.00
OM30085			MT 5	335	£63.00



Morse Taper Drill Chucks

- Morse Taper (DIN228)
- Keyless drill chuck can be tightened with wrench
- APU Spanner - Pg. 157

Part Number	Description	Morse Taper	Capacity	Price
OM30398	MT3 APU13 - 1-13mm	MT 3	1-13mm	£60.00
OM30775	MT4 APU13 - 1-13mm	MT 4	1-13mm	£60.00



Hexagon Key Drill Chucks

- High Accuracy Drill Chuck
- Strong Clamping Force in both clockwise & anti-clockwise operations
- Increased wear-resistance with Titanium Jaws
- Spare Hex Key - Pg. 157

Part Number	Description	Capacity (mm)	Taper Mount	Length (mm)		Price
				Open	Closed	
OM33670	GHK 13S JT6	0.3-13	JT6	95	105	£89.00
OM33671	GHK 13S B16	0.3-13	B16	95	105	£89.00
OM33672	GHK 16S JT6	0.3-16	JT6	104	115	£98.00
OM33673	GHK 16S B16	0.3-16	B16	104	115	£98.00



APU Keyless Drill Chucks

- For Mounting on Short Taper Arbors
- 0 - 25µ Accuracy
- APU Spanner - Pg. 157

Part Number	Description	Capacity	Type	Price
OM31436	B16 J0113A	1-13mm	B16	£48.00
OM31437	JT6 J0213A		JT6	£48.00
OM31438	B16 J0116A	3-16mm	B16	£48.00
OM31439	JT6 J0216		JT6	£48.00



Morse Taper Drill Chuck Arbors

- MT - JT6 & MT B16

Part Number	Description	Morse Taper	Price
OM30086	JT6 Morse Taper Adaptors	MT 1	£5.00
OM30087		MT 2	£5.00
OM30088		MT 3	£7.00
OM30089		MT 4	£10.00
OM30090		MT 5	£15.00
OM30091	B16 Morse Taper Adaptors	MT 1	£5.00
OM30092		MT 2	£5.00
OM30093		MT 3	£7.00
OM30094		MT 4	£10.00
OM30095		MT 5	£15.00



Tightening Fixtures

- Twin Pot Style

Part Number	Size / Type	Price
OM31025	BT30	£63.00
OM31099	BT40	£63.00
OM31169	BT50	£94.00
OM31360	DV30 / DIN30	£63.00
OM31217	DV40 / DIN40	£63.00
OM31256	DV50 / DIN50	£94.00



Tightening Fixtures

- Ball Bearing Single Pot Style

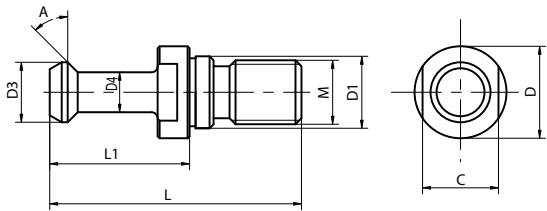
Part Number	Size / Type	Price
OM30282	HSK50, C5, DV30	£99.00
OM31482	BT30	£99.00
OM31451	HSK63, C6, BT40	£99.00
OM31483	DV40	£99.00
OM31069	HSK100, BT50	£142.00
OM31484	DV50	£142.00



BT (MAS) Pull Studs

- Pull Studs without O-Ring
- Solid Without Through Coolant

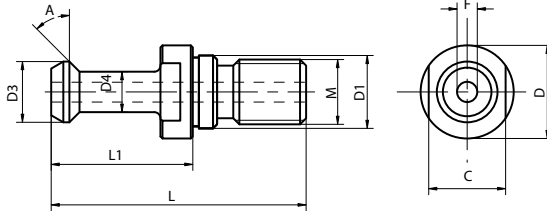
Part Number	ISO	A	M	Dimensions (mm)							Price
				L1	L	D	D1	D3	D4	C	
OM30100	30	45°	M12	23	43	16	12.5	11	7	13	£5.00
OM30102		60°			43	16	12.5	11	7	13	£5.00
OM30104	40	45°	M16	35	60	23	17	15	10	19	£5.00
OM30106		60°		35	60	23	17	15	10	19	£5.00
OM30108		90°		35	60	23	17	15	10	19	£5.00
OM30110	50	45°	M24	45	85	38	25	23	17	30	£7.50
OM30112		60°		45	85	38	25	23	17	30	£7.50
OM30114		90°		45	85	38	25	23	17	30	£7.50



BT (MAS) Pull Studs

- Pull Studs without O-Ring
- Hollow for Through Coolant

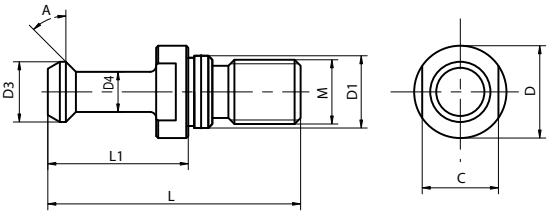
Part Number	ISO	A	M	Dimensions (mm)								Price
				L1	L	D	D1	D3	D4	C	F	
OM30101	30	45°	M12	23	43	16	12.5	11	7	13	3	£5.50
OM30103		60°		23	43	16	12.5	11	7	13	3	£5.50
OM30105	40	45°	M16	35	60	23	17	15	10	19	4	£5.50
OM30107		60°		35	60	23	17	15	10	19	4	£5.50
OM30109		90°		35	60	23	17	15	10	19	4	£5.50
OM30111	50	45°	M24	45	85	38	25	23	17	30	6	£8.50
OM30113		60°		45	85	38	25	23	17	30	6	£8.50
OM30115		90°		45	85	38	25	23	17	30	6	£8.50



BT (MAS) Pull Studs

- Pull Studs with O-Ring
- Solid Without Through Coolant

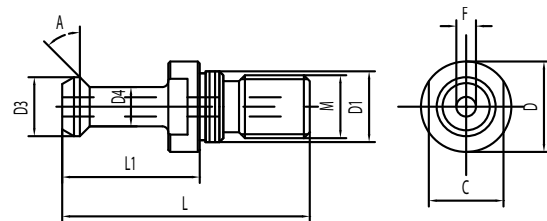
Part Number	ISO	A	M	Dimensions (mm)							Price
				L1	L	D	D1	D3	D4	C	
OM30150	40	45°	M16	35	60	23	17	15	10	19	£5.50
OM30151		60°		35	60	23	17	15	10	19	£5.50
OM30152		90°		35	60	23	17	15	10	19	£5.50
OM30153	50	45°	M24	45	85	38	25	23	17	30	£8.50
OM30154		60°		45	85	38	25	23	17	30	£8.50
OM30155		90°		45	85	38	25	23	17	30	£8.50



BT (MAS) Pull Studs

- Pull Studs with O-Ring
- Hollow for Through Coolant

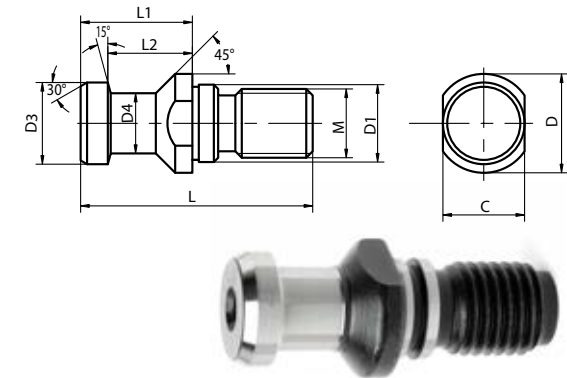
Part Number	ISO	A	M	Dimensions (mm)								Price
				L1	L	D	D1	D3	D4	C	F	
OM30148	30	45°	M12	23	43	16	12.5	11	7	13	3	£6.00
OM30149		60°		23	43	16	12.5	11	7	13	3	£6.00
OM30141	40	45°	M16	35	60	23	17	15	10	19	4	£6.00
OM30142		60°		35	60	23	17	15	10	19	4	£6.00
OM30143		90°		35	60	23	17	15	10	19	4	£6.00
OM30144	50	45°	M24	45	85	38	25	23	17	30	6	£9.00
OM30145		60°		45	85	38	25	23	17	30	6	£9.00
OM30146		90°		45	85	38	25	23	17	30	6	£9.00



DIN 69872 B Pull Studs

- Pull Studs without O-Ring
- Solid Without Through Coolant

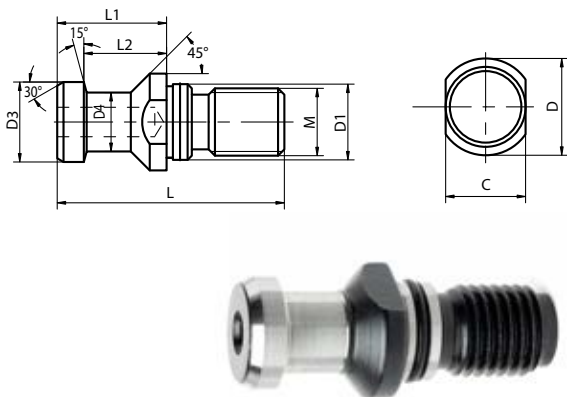
Part Number	ISO	M	Dimensions (mm)								Price
			D	D1	D3	D4	L	L1	L2	C	
OM30166	30	M12	17	13	13	9	44	24	19	14	£5.00
OM30118	40	M16	23	17	19	14	54	26	20	19	£5.50
OM30120	50	M24	36	25	28	21	74	34	25	30	£8.00



DIN 69872 B Pull Studs

- Pull Studs with O-Ring
- Solid Without Through Coolant

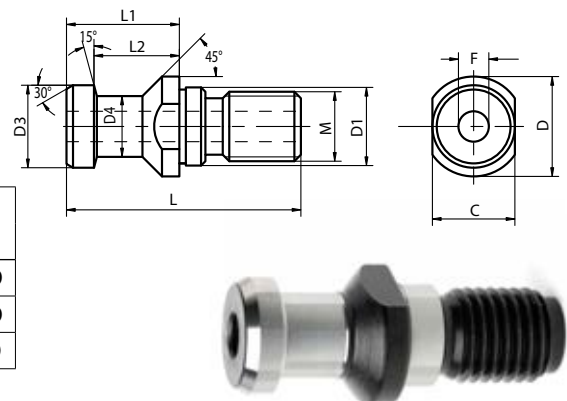
Part Number	ISO	M	Dimensions (mm)								Price
			D	D1	D3	D4	L	L1	L2	C	
OM30157	40	M16	23	17	19	14	54	26	20	19	£6.00
OM30158	50	M24	36	25	28	21	74	34	25	30	£8.50



DIN 69872 A Pull Studs

- Pull Studs without O-Ring
- Hollow for Through Coolant

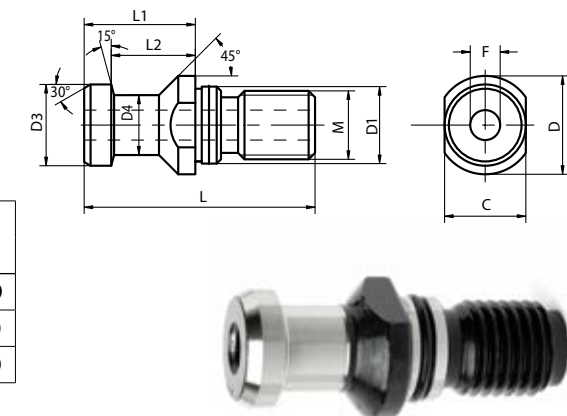
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30116	30	M12	17	13	13	9	44	24	19	14	4	£6.00
OM30117	40	M16	23	17	19	14	54	26	20	19	7	£6.00
OM30119	50	M24	36	25	28	21	74	34	25	30	11.5	£8.50



DIN 69872 A Pull Studs

- Pull Studs with O-Ring
- Hollow for Through Coolant
- OM17055 is similar to DIN 69872 A, but 3mm longer

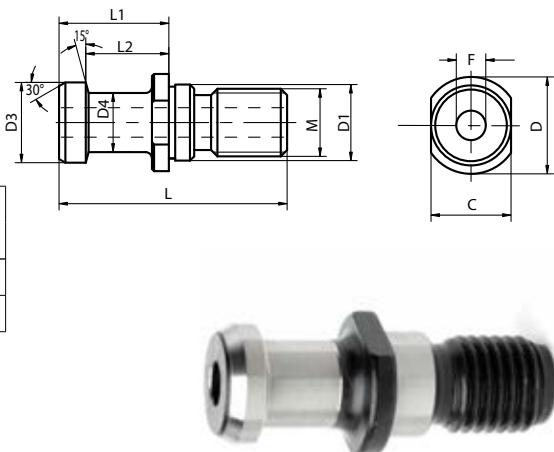
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30132	40	M16	23	17	19	14	54	26	20	19	7	£7.00
OM17055	40	M16	23	17	19	14	54	29	23	19	7	£8.50
OM30133	50	M24	36	25	28	21	74	34	25	30	11.5	£9.50



ISO 7388/2-A Pull Studs

- Hollow for Through Coolant
- Without O-Ring

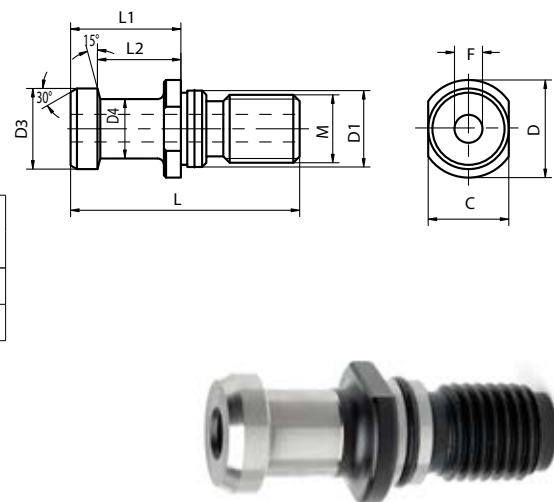
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30121	40	M16	23	17	19	14	54	26	20	19	7	£6.00
OM30122	50	M24	36	25	28	21	74	34	25	30	11.5	£8.00



ISO 7388/2-A Pull Studs

- Hollow for Through Coolant
- With O-Ring

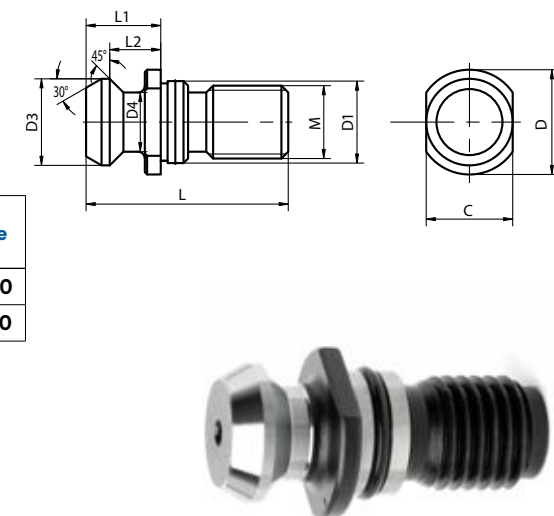
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30160	40	M16	23	17	19	14	54	26	20	19	7	£7.00
OM30161	50	M24	36	25	28	21	74	34	25	30	11.5	£9.00



ISO 7388/2-B Pull Studs

- Solid Without Through Coolant
- With O-Ring

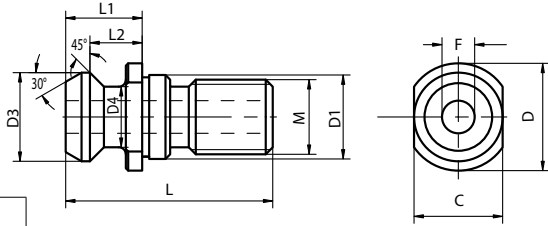
Part Number	ISO	M	Dimensions (mm)								Price
			D	D1	D3	D4	L	L1	L2	C	
OM30167	40	M16	22.5	17	18.9	12.9	44.5	16.4	11.2	18	£6.00
OM30168	50	M24	37	25	29.1	19.6	65.5	25.5	17.9	30	£8.00



ISO 7388/2-B Pull Studs

- Hollow for Through Coolant
- Without O-Ring

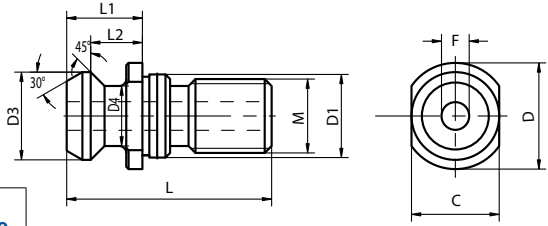
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30123	40	M16	22.5	17	18.9	12.9	44.5	16.4	11.2	18	7.3	£6.00
OM30124	50	M24	37	25	29.1	19.6	65.5	25.5	17.9	30	11.5	£8.00



ISO 7388/2-B Pull Studs

- Hollow for Through Coolant
- With O-Ring

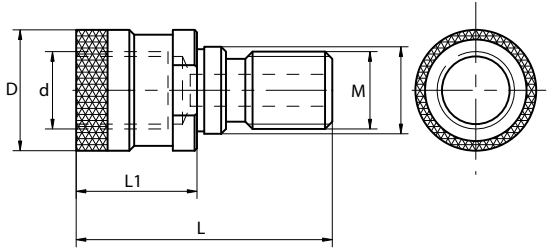
Part Number	ISO	M	Dimensions (mm)									Price
			D	D1	D3	D4	L	L1	L2	C	F	
OM30135	40	M16	22.5	17	18.9	12.9	44.5	16.4	11.2	18	7.3	£7.00
OM30159	50	M24	37	25	29.1	19.6	65.5	25.5	17.9	30	11.5	£9.00



DIN 2080 Pull Stud Adaptors

- With Internal Thread and Hole Through

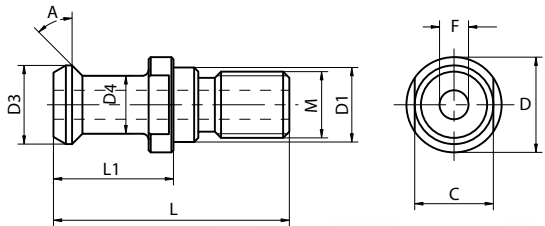
Part Number	ISO	M	Dimensions (mm)					Price
			d	D	D1	L	L1	
OM16980	DV40	M16	M16	25.3	17	53	25	£11.25
OM30169	BT40	M16	M16	25.3	17	56	28	£11.25
OM18434	50	M25	M24	39.6	25	65	25	£12.50



JIS. B6339 Pull Studs

- Hollow for Through Coolant
- Without O-Ring

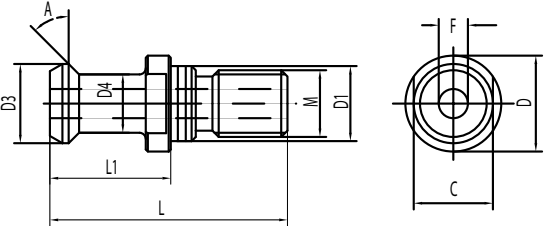
Part Number	ISO	A	M	Dimensions (mm)								Price
				D	D1	D3	D4	L	L1	C	F	
OM30125	40	15°	M16	23	17	19	14	54	29	19	7	£7.50
OM30126	50	15°	M24	38	25	28	21	74	34	30	10	£11.50



JIS. B6339 Pull Studs

- Hollow for Through Coolant
- With O-Ring

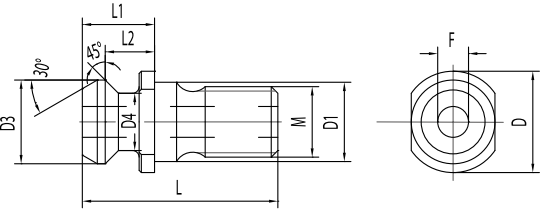
Part Number	ISO	A	M	Dimensions (mm)								Price
				D	D1	D3	D4	L	L1	C	F	
OM30162	40	15°	M16	23	17	19	14	54	29	19	7	£8.00
OM30163	50	15°	M24	38	25	28	21	74	34	30	10	£12.00



Mazak Pull Studs

- Hollow for Through Coolant
- Without O-Ring

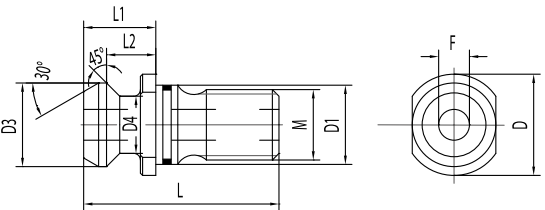
Part Number	ISO	M	Dimensions (mm)								Price
			D	D1	D3	D4	L	L1	L2	F	
OM30129	40	M16	21.8	17	18.79	12.44	41.25	16.25	11.17	7	£9.00
OM30130	40	M16	22	17	18.79	12.44	44.1	19.1	14.02	7	£9.00
OM30131	50	M24	37	25	28.95	20.8	65.2	25.2	17.58	10	£11.00
OM30499	50	M24	35.5	25	28.95	20.8	65.4	25.4	17.78	10	£11.50



Mazak Pull Studs

- Hollow for Through Coolant
- With O-Ring

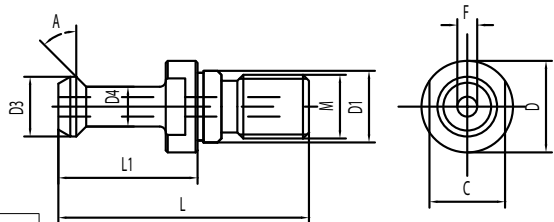
Part Number	ISO	M	Dimensions (mm)								Price
			D	D1	D3	D4	L	L1	L2	F	
OM30164	40	M16	21.8	17	18.79	12.44	41.25	16.25	11.17	7	£9.50
OM30165	40	M16	22	17	18.79	12.44	44.1	19.1	14.02	7	£9.50



HAAS Pull Studs

- Hollow for Through Coolant
- Similar to JIS B 6399 (MAS 403 BT), 3mm shorter
- Without O-Ring

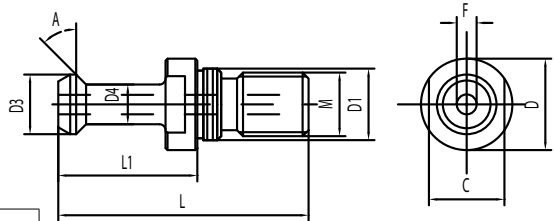
Part Number	ISO	A	M	Dimensions (mm)								Price
				L1	L	D	D1	D3	D4	C	F	
OM30134	40	45°	M16	32	57	23	17	15	10	19	7	£6.00



HAAS Pull Studs

- Hollow for Through Coolant
- Similar to JIS B 6399 (MAS 403 BT), 3mm shorter
- With O-Ring

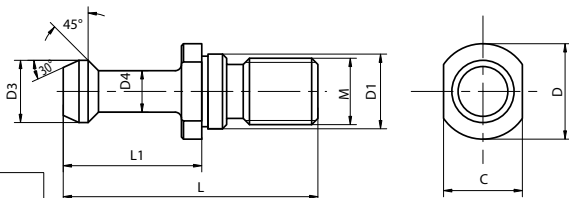
Part Number	ISO	A	M	Dimensions (mm)								Price
				L1	L	D	D1	D3	D4	C	F	
OM30156	40	45°	M16	32	57	23	17	15	10	19	7	£7.00



Cincinnati Pull Studs

- Hollow for Through Coolant
- Without O-Ring

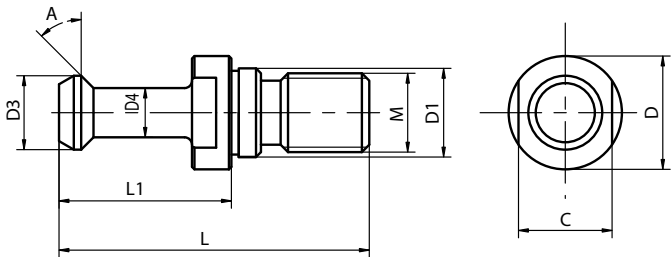
Part Number	ISO	M	Dimensions (mm)							Price
			D	D1	D3	D4	L	L1	C	
OM30127	40	M16	22.2	17	15	10.3	67.3	39.4	19	£9.50
OM30128	40	M16	22.2	17	15	10.3	64.3	36.6	18	£9.50



Special Pull Studs

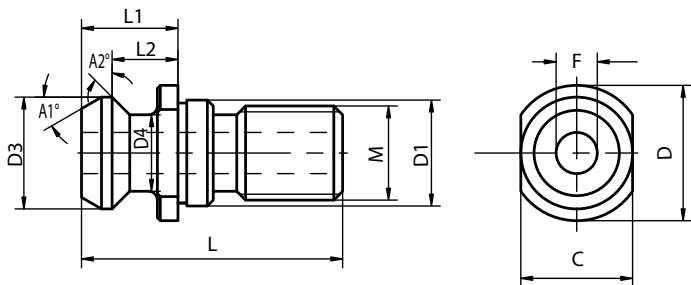
- Any pull stud can be identified and manufactured to specific requirements, with the following information:

A =	
L =	
L1 =	
D =	
D1 =	
D3 =	
D4 =	
C =	
M =	
Through Coolant?	



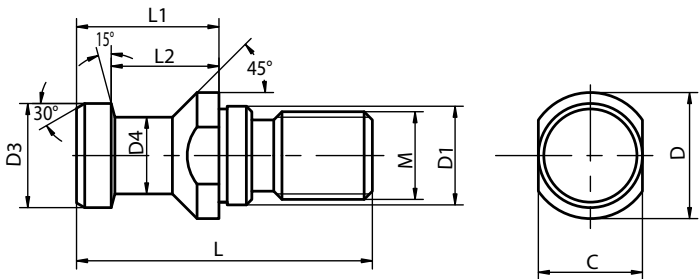
- Any pull stud can be identified and manufactured to specific requirements, with the following information:

A1° =	
A2° =	
L =	
L1 =	
L2 =	
D =	
D1 =	
D3 =	
D4 =	
C =	
M =	
F =	
Through Coolant?	



- Any pull stud can be identified and manufactured to specific requirements, with the following information:

L =	
L1 =	
L2 =	
D =	
D1 =	
D3 =	
D4 =	
C =	
M =	
Through Coolant?	



Mini Collet Nuts

- ER Collet Nuts for Mini Chucks

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM31418	ER8	Mini Collet Nut (GMT)	12	£9.00
OM31414	ER11		16	£9.00
OM31415	ER16		22	£9.00
OM31416	ER20		28	£9.00
OM31417	ER25		35	£9.00



ER Hexagon Collet Nuts

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM31425	ER11	Hex Collet Nut (GSX)	19	£9.00
OM31426	ER16		28	£9.00
OM31427	ER20		34	£9.00



ER Castleated Collet Nuts

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM31419	ER16	Castleated Collet Nut (GST)	32	£9.00
OM31420	ER20		35	£9.00
OM31421	ER25		42	£9.00
OM31422	ER32		50	£9.00
OM31423	ER40		63	£12.00
OM31424	ER50		78	£20.00



ER32 Short Nut

- Collet Nut for BT40/DV40 Short Collet Chuck

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM31445	ER32	Short Nut	36	£15.00



OZ Nuts

- Collet Nuts for OZ collet Chucks

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM30491	OZ 25	Castleated Nut	60	£15.00
OM31968	OZ 32		72	£15.00



GSK Collet Nuts

- High Speed Balanced Bearing Nut

Part Number	Collet	Nut Type	Nut Diameter (mm)	Price
OM30614	GSK 06	GSK High Speed Balanced Nut	19.5	£17.00
OM30615	GSK 10		27	£17.00
OM30616	GSK 16		40	£19.00
OM30617	GSK 25		55	£22.00



ER25A Pin Nut

- Nut For Floating Reamer Holder

Part Number	Description	Nut Diameter (mm)	Price
OM32509	UM ER25A Pin Type Nut	23.6	£12.00



Hydraulic Chuck Spares

Part Number	Description	Price
OM32184	Hex Key HC 5mm	£6.00
OM32247	Hydraulic Sleeve Extractor	£12.00



HSK Coolant Tubes

Part Number	Description	Price
OM30173	HSK63A Cooant Tube	£9.50
OM30174	HSK100A Coolant Tube	£10.00



HSK Coolant Tube Spanners

Part Number	Description	Price
OM32523	HSK63A Coolant Tube Spanner	£12.00
OM32539	HSK100A Coolant Tube Spanner	£15.00



HSK Sealing Plugs

Part Number	Description	Price
OM32540	HSK63A Plug M18x1	£4.00
OM32541	HSK100A Plug M24x1.5	£4.00



Mini Spanners

- Spanners for Mini ER Collet Nuts

Part Number	Collet Size	Spanner Type	Price
OM31400	ER8	Mini Spanner (CMT)	£9.00
OM31401	ER11		£9.00
OM31402	ER16		£9.00
OM31403	ER20		£9.00
OM31404	ER25		£9.00



Hexagon Spanners

- Spanners for Hexagon ER Collet Nuts

Part Number	Collet Size	Spanner Type	Price
OM31411	ER11	Hexagon Spanner (CSX)	£9.00
OM31412	ER16		£9.00
OM31413	ER20		£9.00



Castleated Spanners

- Spanners for Castleated ER Collet Nuts

Part Number	Collet Size	Spanner Type	Price
OM31405	ER16	Castleated Spanner (CST)	£9.00
OM31406	ER20		£9.00
OM31407	ER25		£9.00
OM31408	ER32		£9.00
OM31409	ER40		£11.00
OM31410	ER50		£18.00



GSK Spanners

- Bearing Spanners for GSK Collet Chucks

Part Number	Collet Size	Spanner Type	Price
OM30610	GSK 06	GSK Bearing Spanner	£22.00
OM30611	GSK 10		£22.00
OM30612	GSK 16		£26.00
OM30613	GSK 25		£29.00



ER32 Short Spanner

- Spanner for BT40/DV40 ER32 SHORT Collet Chuck

Part Number	Collet Size	Spanner Type	Price
OM31446	ER32	Spanner for BT/DV40 ER32 SHORT	£12.00



Power Chuck Spanners

- Spanners for Power Milling Chucks

Part Number	Size	Spanner Type	Price
OM33028	SC 20 / 25mm	Spanner for Power Milling Chucks	£10.00
OM33029	SC 32mm		£10.00
OM31166	UPMC 20mm	Spanner for UPMC Premium Power Milling Chucks	£15.00
OM31168	UPMC 32mm		£15.00



Drill Chuck Spanners

- Spanners for Keyless Drill Chucks

Part Number	Drill Chuck Size	Spanner Type	Price
OM31428	1-13mm	APU 13 Spanner	£10.00
OM31429	1-16mm	APU 16 Spanner	£10.00
OM33499	1-13mm	NCDC 13 Spanner	£12.00



Combi Shell Mill Spanners

- Cross Wrenches for Combination Shell Mill Arbors

Part Number	Size (mm)	Spanner Type	Price
OM31440	16	Cross Wrench for Combi Face Mill Arbors	£14.00
OM31441	22		£16.00
OM31442	27		£16.00
OM31443	32		£17.00
OM31444	40		£19.00



OZ Spanners

- OZ Spanners

Part Number	Size (mm)	Spanner Type	Price
OM30492	OZ 25	Castleated Spanner	£10.00
OM30493	OZ 32		£12.00



Drill Chuck Hex Key

- Hexagon Key for Premium Drill Chucks

Part Number	Drill Chuck Size	Description	Price
OM33680	1-13mm, 1-16mm	6mm x 130L Hex Key	£14.00



ER25A Pin Spanner

- Spanner For Floating Reamer Holder

Part Number	Description	Price
OM32510	ER25A Pin Type Spanner	£12.00



Hex Keys for DMC Collet Chucks

Part Number	Description	Price
OM31543	4x200 Hex Key	£8.00
OM31544	5x200 Hex Key	£9.00
OM31545	6x200 Hex Key	£9.00



Spindle Wipers

Part Number	Taper	Price
OM19227	BT/DV 30	£8.00
OM19229	BT/DV 40	£10.00
OM19231	BT/DV 50	£15.00
OM31962	HSK 63	£25.00



Clutch Drive Rings for Combi Shell Mill Holders

Part Number	Pilot Diameter (mm)	Price
OM16313	16	£10.00
OM16315	22	£12.50
OM16317	27	£12.50
OM16319	32	£16.25
OM16321	40	£18.75



Clamping Screws for End Mill Holders

Part Number	Sidelock Diameter (mm)	M	Price
OM31452	6	M6	£6.00
OM31453	8	M8	£6.00
OM31454	10	M10	£6.00
OM31455	12	M12	£6.00
OM31456	16 & 18	M14	£6.00
OM31457	20	M16	£6.00
OM31458	25	M18 x 2	£6.00
OM31459	32	M20 x 2 x 20	£6.00
OM31460	40	M20 x 2 x 25	£6.00



Back Stop Screws for ER Collet Chucks

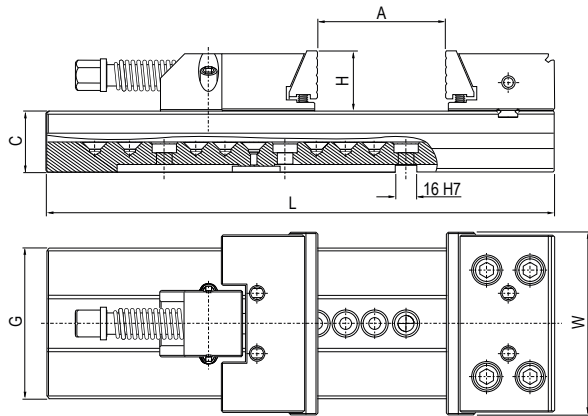
Part Number	ER Chuck	M	Price
OM31955	ER11	M6	£6.00
OM31956	ER11	M8	£6.00
OM31957	ER16	M11x1	£6.00
OM31958	ER20	M14x1	£6.00
OM31959	ER25	M18x1.5	£6.00
OM31960	ER32	M22x1.5	£6.00
OM31961	ER40	M28x1.5	£6.00



Precision Modular Vices

- Hardened & Precision Ground
- Surface Hardness HRC60 +-2
- Suitable for various machining centres

Part Number	Dimensions (mm)						Clamping Force (KG)	Price
	W	A	L	H	C	G		
OM20310	100	100	270	30	35	75	3500	£350.00
OM20311	125	150	345	40	40	95	3500	£420.00
OM20312	150	200	420	50	50	125	5500	£525.00
OM20313	150	300	520	50	50	125	5500	£595.00
OM20314	175	300	555	60	58	145	6500	£765.00
OM20315	175	400	655	60	58	145	6500	£845.00



Spare Vice Jaws

Part Number	Jaw Type	Width (mm)	Price
OM20302	Plain	100	£40.00
OM20303	Grooved	100	£40.00
OM20304	Plain	125	£42.00
OM20305	Grooved	125	£42.00
OM30189	Plain	150	£48.00
OM30190	Grooved	150	£48.00
OM20306	Plain	175	£56.00
OM20307	Grooved	175	£56.00



Heavy Duty, High Speed ‘Type R’ Model

- Capable of running at high speeds with heavy loads on CNC machine applications
- Sealed for life using high quality German seals, bearings and Kluber grease
- Hardened and precision ground

Standard Point

Part Number	Morse Taper	Head Dia (mm)	Point Length x Dia (mm)	Max RPM	Max Load (kg)	Concentricity (mm)	Price
OMI5701	MT 3	62	34 x 28	4500	375	0.008	£79.00
OMI5702	MT 4	68	41 x 32	3450	600	0.008	£89.00
OMI5703	MT 5	87	51 x 38	2700	1500	0.008	£127.00
OMI5704	MT 6	102	57.5 x 50	2300	2600	0.015	£519.00



Extended Point

Part Number	Morse Taper	Head Dia (mm)	Point Length x Dia (mm)	Max RPM	Max Load (kg)	Concentricity (mm)	Price
OMI5705	MT 3	62	51 x 28	4500	300	0.008	£79.00
OMI5706	MT 4	68	54.5 x 32	3450	375	0.008	£89.00
OMI5707	MT 5	87	65 x 38	2700	900	0.008	£127.00
OMI5708	MT6	102	81 x 50	2300	2600	0.015	£519.00



Medium Duty, Small Casing Model

- Excellent problem solver for applications requiring maximum component access
- Capable of running at very high speeds with medium load application
- Sealed for life using high quality German seals, bearings and Kluber grease
- Hardened and precision ground

Standard Point

Part Number	Morse Taper	Head Dia (mm)	Point Length x Dia (mm)	Max RPM	Max Load (kg)	Concentricity (mm)	Price
OMI5709	MT 2	34	19 x 15	6300	150	0.008	£59.00
OMI5710	MT 3	34	19 x 15	6300	375	0.008	£67.00
OMI5711	MT 4	42	25 x 20	5600	600	0.008	£75.00
OMI5712	MT 5	68	41 x 32	3300	1500	0.015	£123.00



Extended Point

Part Number	Morse Taper	Head Dia (mm)	Point Length x Dia (mm)	Max RPM	Max Load (kg)	Concentricity (mm)	Price
OMI5713	MT 2	34	29 x 15	6300	125	0.008	£59.00
OMI5714	MT 3	34	30 x 15	6300	250	0.008	£67.00
OMI5715	MT 4	42	38 x 20	5600	375	0.008	£75.00
OMI5716	MT 5	68	53 x 32	3300	900	0.015	£123.00



Standard Compact Model

- Suitable for medium & light duty applications on conventional machines at slower speeds
- Bearings are sealed to prevent ingress of coolant & swarf

Part Number	Morse Taper	Head Dia (mm)	Point Length x Dia (mm)	Max RPM	Max Load (kg)	Concentricity (mm)	Price
OMI5717	MT 1	46.5	26 x 18	4000	25	0.015	£28.00
OMI5718	MT 2	50	31 x 23	3000	50	0.015	£32.00
OMI5719	MT 3	62	38 x 30	2500	75	0.015	£34.00
OMI5720	MT 4	62	38 x 30	2200	100	0.015	£40.00
OMI5721	MT 5	68	42 x 34	1500	150	0.015	£55.00



Standard Dead Centres

- 60°
- Hardened & Precision Ground

Part Number	Morse Taper	Description	Price
OM15722	MTA 1	DG1 60 degree hardened/ground	£5.50
OM15723	MTA 2	DG2 60 degree hardened/ground	£6.00
OM15724	MTA 3	DG3 60 degree hardened/ground	£7.00
OM15725	MTA 4	DG4 60 degree hardened/ground	£10.00
OM15726	MTA 5	DG5 60 degree hardened/ground	£20.00



Carbide Tip Dead Centres

- 60°
- Hardened & Precision Ground

Part Number	Morse Taper	Description	Price
OM15732	MTA 1	DE1 60 degree Carbide Tipped	£12.00
OM15733	MTA 2	DE2 60 degree Carbide Tipped	£13.00
OM15734	MTA 3	DE3 60 degree Carbide Tipped	£19.00
OM15735	MTA 4	DE4 60 degree Carbide Tipped	£27.00
OM15736	MTA 5	DE5 60 degree Carbide Tipped	£38.00



Half Notched Dead Centres

- 60°
- Hardened & Precision Ground

Part Number	Morse Taper	Description	Price
OM15727	MTA 1	DH1 60 degree hardened/ground	£6.00
OM15728	MTA 2	DH2 60 degree hardened/ground	£7.00
OM15729	MTA 3	DH3 60 degree hardened/ground	£10.00
OM15730	MTA 4	DH4 60 degree hardened/ground	£14.00
OM15731	MTA 5	DH5 60 degree hardened/ground	£21.00



Carbide Tip Half Notch Dead Centres

- 60°
- Hardened & Precision Ground

Part Number	Morse Taper	Description	Price
OM15737	MTA 1	DHE1 60 degree Carbide Tipped	£13.00
OM15738	MTA 2	DHE2 60 degree Carbide Tipped	£15.00
OM15739	MTA 3	DHE3 60 degree Carbide Tipped	£20.00
OM15740	MTA 4	DHE4 60 degree Carbide Tipped	£29.00
OM15741	MTA 5	DHE5 60 degree Carbide Tipped	£45.00





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