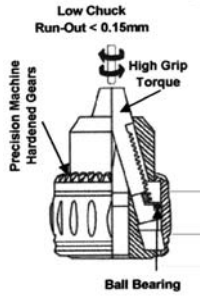


CUTTING TOOLS

Heavy Duty Drill Chuck



Model No.	Size
AG02574	6mm (3/8 x 24UNF) 0.6-6.0mm
AG02575	6mm (B10) 0.6-6.0mm
AG02576	6mm (J1) 0.6-6.0mm
AG02577	10mm (3/8 x 24UNF) 1.0-10mm
AG02578	10mm (J2) 1.0-10mm
AG02579	10mm (B12) 1.0-10mm
AG02580	13mm (1/2 x 20UNF) 1.0-13mm
AG02581	13mm (B16) 1.0-13mm
AG02582	13mm (J6) 1.0-13mm
AG02583	13mm (J33) 1.0-13.0mm
AG02584	19mm (J4) 1.0-19.0mm

Extra heavy Duty Drill Chuck



Model No.	Size
AG02585	13mm (JT6) 1.0-13mm
AG02586	13mm (B16) 1.0-13mm
AG02587	16mm (JT6) 3.0-16mm
AG02588	16mm (JT3) 1.0-16mm
AG02589	16mm (B16) 1.0-16mm
AG02590	20mm (JT3) 5.0-20mm

Chuck Key



Model No.	Size
AG02591	Black Oxide Coated
AG02592	Polished
AG02593	Nickel Plated
AG02594	PVC Coated

Super Ball Bearing Drill Chuck



Model No.	Size
AG02595	10mm (JT2)
AG02596	13mm (B16) 0.5-13mm
AG02597	13mm (JT6) 0.5-13.0mm
AG02598	13mm (J33) 0.5-13.0mm
AG02599	16mm (JT3) 1.0-16.0mm
AG02600	16mm (B16) 1.0-16.0mm
AG02601	19mm (JT4) 1.0-19.0mm
AG02602	25mm (JT5) 1.0-25.0mm

High Speed Spindle Machine Chuck



Model No.	Size
AG02603	4mm (JO) 0.3-4.0mm
AG02604	6mm (B10) 0.4-6.5mm

Keyless Chuck



Model No.	Size
AG02849	10mm (JT2)
AG02850	13mm (B16) 0.5-13mm
AG02851	13mm (JT6) 0.5-13.0mm

Lathechucks

Body: Semi Steel from high strength cast iron & ground all over
 Jaws: Case hardened & precision ground at gripping faces jaws ways
 Operating Screw: Aws: Case hardened & precision ground at gripping faces jaws ways
 Operating Screw: A case hardened alloy steel for strength & wear resistance
 Thrust Bearing: Case hardened alloy steel to provide maximum strength to working Part provides higher grip with resonable torque providd with four bolts chunk operating key



3 JAWS

Model No	Ø Size		d2 mm	d3 mm	H mm	Appox wgt kgs
	Ins	mm				
AG02852	8	200	95	51	88	16.5
AG02853	10	250	125	64	88	22.5
AG02854	12	300	160	76	102	37.5
AG02855	14	350	160	89	102	46
AG02856	16	400	190	102	102	72
AG02857	18	450	190	115	105	80
AG02858	20	500	225	127	115	103
AG02859	24	600	254	152	140	180

4 JAWS

Model No	Ø Size		d2 mm	d3 mm	H mm	Appox wgt kgs
	Ins	mm				
AG02860	8	200	95	51	88	16.5
AG02861	10	250	125	64	88	22.5
AG02862	12	300	160	76	102	37.5
AG02863	14	350	160	89	102	46
AG02864	16	400	190	102	102	72
AG02865	18	450	190	115	105	80
AG02866	20	500	225	127	115	103
AG02867	24	600	254	152	140	180

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CUTTING TOOLS

High Speed Jobber Drill Set



AG02026

AG02031

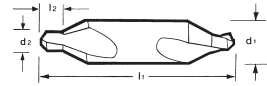
AG02029

AG02032

These sets are ideal for the workshop, school, garage, etc. The sizes are clearly marked on retractable panels.

Code No.	Number of Drill in set	Range of sizes
AG02026	13	1/16in. to 1/4in. x 64ths
AG02027	15	1/16in. to 1/2in. x 32nds
AG02028	21	1/16in. to 3/8in. x 64ths
AG02029	29	1/16in. to 1/2in. x 64ths
AG02030	13	1.5mm to 6.5mm x 0.5mm and 3.2mm and 4.8mm
AG02031	19	1mm to 10.0mm x 0.5mm
AG02032	25	1mm to 13mm x 0.5mm
AG02033	41	6mm to 10mm x 0.1mm
AG02034	50	1mm to 5.9mm x 0.1mm
AG02035	60	No. 1 to No. 60 Wire Gauge

High Speed Centre Drill



Model No	Body Diameter		Drill Point Diameter		Pilot Length		Overall Length	
	mm d ¹	mm d ²	Max. mm l ²	Min. mm l ²	Max. mm l ¹	Min. mm l ¹		
AG02036	3.15	1.0	1.9	1.3	33.5	29.5		
AG02037	3.15*	(1.25)	2.2	1.6	33.5	29.5		
AG02038	4.0	1.6	2.8	2.0	37.5	33.5		
AG02039	5.0	2.0	3.3	2.5	42	38		
AG02040	6.3	2.5	4.1	3.1	47	43		
AG02041	8.0	3.15	4.9	3.9	52	48		
AG02042	10.0	4.0	6.2	5.0	59	53		
AG02043	12.5*	(5.0)	7.5	6.3	66	60		
AG02044	16.0	6.3	9.2	8.0	74	68		

Model No	Body Diameter		Drill Point Diameter		Pilot Length		Overall Length	
	mm d ¹	mm d ²	Max. mm l ²	Min. mm l ²	Max. mm l ¹	Min. mm l ¹		
AG02045	BS 1	1/8	3/64	5/64	1/16	1.1/2		
AG02046	BS 2	3/16	1/16	3/32	5/64	1.3/4		
AG02047	BS 3	1/4	3/32	5/32	1/8	2		
AG02048	BS 4	5/16	1/8	3/16	5/32	2.1/4		
AG02049	BS 5	7/16	3/16	9/32	1/4	2.1/2		
AG02050	BS 6	5/8	1/4	3/8	5/16	3		
AG02051	BS 7	3/4	5/16	15/32	13/32	3.1/2		

*Non-recommended size

Drill Sleeve



AG02057

Sleeves, Oil Toughened, Hardened and Ground

Model No.	Size OD-ID
AG02057	1-0
AG02058	2-1
AG02059	3-1
AG02060	4-1
AG02061	3-2
AG02062	4-2
AG02063	5-2
AG02064	4-3
AG02065	5-3
AG02066	5-4
AG02067	6-5

Extension Drill Sleeve



AG02068

Extension Sockets, Oil Toughened, Hardened and Ground

Model No.	Size OD-ID	Model No.	Size OD-ID
AG02068	1-1	AG02077	2-3
AG02069	2-2	AG02078	3-3
AG02070	3-1	AG02079	4-3
AG02071	4-1	AG02080	3-4
AG02072	5-1	AG02081	4-4
AG02073	1-2	AG02082	5-4
AG02074	2-2	AG02083	4-5
AG02075	3-2	AG02084	5-5
AG02076	4-2		

Screw Extractors



AG02085

Model No.	Size OD-ID
AG02085	1-6
AG02086	7-9

Live Centre



AG02087

Model No.	Size OD-ID
AG02087	MT 1
AG02088	MT 2
AG02089	MT 3
AG02090	MT 4
AG02091	MT 5
AG02092	MT 6

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CUTTING TOOLS

General Cutting Tools

H.S.S Straight Shank 3 Flutes
Countersinks (G102) x 90Deg.
(Available in 82Deg model G101)



AG02093

Countersinks, Straight Shank,
60/90/82Deg

Model No.	Size mm
AG02093	S1 (1.6 x 8.0 x 6 shk)
AG02094	S2 (2.0 x 10.0 x 6 shk)
AG02095	S3 (2.5 x 12.5 x 8 shk)
AG02096	S4 (3.2 x 16 x 10 shk)
AG02097	S5 (4.0 x 20 x 10 shk)
AG02098	S6 (7.0 x 25 x 10 shk)

H.S.S Straight Shank 3 Flutes
Countersinks (G100) x 60Deg.



AG02099

Countersinks, Straight Shank,
60/90/82Deg

Model No.	Size mm
AG02099	S1 (1.6 x 8.0 x 6 shk)
AG02100	S2 (2.0 x 10.0 x 6 shk)
AG02101	S3 (2.5 x 12.5 x 8 shk)
AG02102	S4 (3.2 x 16 x 10 shk)
AG02103	S5 (4.0 x 20 x 10 shk)
AG02104	S6 (7.0 x 25 x 10 shk)

H.S.S Taper Shank 3 Flutes
Countersinks (G105) x 90Deg.
(Available in 82Deg model G104)



AG02105

Countersinks, Morse Taper Shank
60/90/82Deg

Model No.	Size mm
AG02105	T1 (3.2 x 16) MT.1
AG02106	T2 (4.0 x 20) MT.2
AG02107	T3 (7.0 x 25.0) MT.3
AG02108	T4 (9.0 x 31.5) MT.4
AG02109	T5 (12.5 x 40.0) MT.5
AG02110	T6 (16.0 x 50.0) MT.6
AG02111	T7 (20.0 x 63.0) MT.7
AG02112	T8 (25.0 x 80.0) MT.8

H.S.S Taper Shank 3 Flutes
Countersinks (G105) x 90Deg.
(Available in 82Deg model G104)



AG02113

Countersinks, Morse Taper Shank,
60/90/82Deg

Model No.	Size mm
AG02113	T1 (3.2 x 16) MT.1
AG02114	T2 (4.0 x 20) MT.2
AG02115	T3 (7.0 x 25.0) MT.3
AG02116	T4 (9.0 x 31.5) MT.4
AG02117	T5 (12.5 x 40.0) MT.5
AG02118	T6 (16.0 x 50.0) MT.6
AG02119	T7 (20.0 x 63.0) MT.7
AG02120	T8 (25.0 x 80.0) MT.8

Adjustable Hand Reamers with HSS Blades



AG02121

Expanding Hand Reamers, Straight, 4 or 6 Blades,
Cased Sets, Spare Parts

Model No.	Size mm	Model No.	Size mm	Model No.	Size mm
AG02121	HV (6.35-7.14)	AG02129	H5 (13.49-15.08)	AG02137	H13 (30.16-34.13)
AG02122	HW (7.14-7.94)	AG02130	H6 (15.08-16.66)	AG02138	H14 (34.13-38.1)
AG02123	HZ (7.94-8.73)	AG02131	H7 (16.66-18.25)	AG02139	H15 (38.1-46.03)
AG02124	HY (8.73-9.52)	AG02132	H8 (18.25-19.84)	AG02140	H16 (46.03-56.35)
AG02125	H1 (9.52-10.31)	AG02133	H9 (19.84-21.43)	AG02141	H17 (56.35-69.85)
AG02126	H2 (10.31-11.11)	AG02134	H10 (21.43-23.81)	AG02142	H18 (69.85-84.93)
AG02127	H3 (11.11-11.9)	AG02135	H11 (23.81-26.98)		
AG02128	H4 (11.9-13.49)	AG02136	H12 (26.98-30.16)		

Reduced Shank Drill



AG02143

Model No.	Size mm	Model No.	Size mm	Model No.	Size mm
AG02143	33/64	AG02155	45/64	AG02167	57/64
AG02144	17/32	AG02156	23/32	AG02168	29/32
AG02145	35/64	AG02157	47/64	AG02169	15/16
AG02146	9/16	AG02158	3/4	AG02170	59/64
AG02147	37/64	AG02159	49/64	AG02171	61/64
AG02148	19/32	AG02160	25/32	AG02172	31/32
AG02149	39/64	AG02161	51/64	AG02173	63/64
AG02150	5/8	AG02162	13/16	AG02174	1
AG02151	41/64	AG02163	56/64	AG02175	1.1/16
AG02152	21/32	AG02164	27/32	AG02176	1.1/8
AG02153	43/64	AG02165	55/64	AG02177	1.3/16
AG02154	11/16	AG02166	7/8	AG02178	1.1/4

Model No.	Size mm	Model No.	Size mm	Model No.	Size mm
AG02179	13.5	AG02192	20.0	AG02205	26.5
AG02180	14.0	AG02193	20.5	AG02206	27.0
AG02181	14.5	AG02194	21.0	AG02207	27.5
AG02182	15.0	AG02195	21.5	AG02208	28.0
AG02183	15.5	AG02196	22.0	AG02209	28.5
AG02184	16.0	AG02197	22.5	AG02210	29.0
AG02185	16.5	AG02198	23.0	AG02211	29.5
AG02186	17.0	AG02199	23.5	AG02212	30.0
AG02187	17.5	AG02200	24.0	AG02213	30.5
AG02188	18.0	AG02201	24.5	AG02214	31.0
AG02189	18.5	AG02202	25.0	AG02215	31.5
AG02190	19.0	AG02203	25.5	AG02216	32.0
AG02191	19.5	AG02204	26.0		

High Speed Jobber Drill



AG02217

Model No.	Size mm	Model No.	Size mm	Model No.	Size mm
AG02217	1/16	AG02227	7/32	AG02237	3/8
AG02218	5/64	AG02228	15/64	AG02238	25/64
AG02219	3/32	AG02229	1/4	AG02239	13/32
AG02220	7/64	AG02230	17/64	AG02240	27/64
AG02221	1/8	AG02231	9/32	AG02241	7/16
AG02222	9/64	AG02232	19/64	AG02242	29/64
AG02223	5/32	AG02233	5/16	AG02243	15/32
AG02224	11/64	AG02234	21/64	AG02244	31/64
AG02225	3/16	AG02235	11/32	AG02245	1/2
AG02226	13/64	AG02236	23/64		

Model No.	Size mm	Model No.	Size mm	Model No.	Size mm
AG02246	1.0	AG02257	6.5	AG02268	12.0
AG02247	1.5	AG02258	7.0	AG02269	12.5
AG02248	2.0	AG02259	7.5	AG02270	13.0
AG02249	2.5	AG02260	8.0	AG02271	13.5
AG02250	3.0	AG02261	8.5	AG02272	14.0
AG02251	3.5	AG02262	9.0	AG02273	14.5
AG02252	4.0	AG02263	9.5	AG02274	15.0
AG02253	4.5	AG02264	10.0	AG02275	15.5
AG02254	5.0	AG02265	10.5	AG02276	16.0
AG02255	5.5	AG02266	11.0		
AG02256	6.0	AG02267	11.5		

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CUTTING TOOLS



6118
Straight - Left Hand Reamers, Straight,
Intermediate Diameter, Spiral Flute



6119
Hand/Machine Socket Reamers,
Finishing, Straight Flute



6120
Counterbores, Straight Shank,
Solid Pattern, Metric, Fractional



6122
Hand/Machine Socket Reamers,
MTS, Spiral Flute, Roughing



6123
Counterbores, Morse Taper Shank,
Detachable, Pilot Type, Metric, Fractional



6124
Machine Reamers, Straight, Spiral Flute
Intermediate Diameter



6125
Hand/Machine Socket Reamers,
MTS, Spiral Flute, Finishing



6126
Counterbores, Detachable Pilots,
Metric for type G1111, Fractional for type G121,
Group 2, 3, 4



6127
Machine Reamers, MTS,
Left Hand Spiral Flute



6128
Taper Pin Reamers,
Hand, Straight Metric, Fractional



6130
Machine Reamers, MTS,
Intermediate Diameter



6131
Bridge Reamers,
MTS, Spiral Flute



6133
Machine Reamers, MTS Extra Length,
Left Hand Spiral Flute



6134
Shell Reamers



6135
Turret Sockets



6136
Chucking Reamers,
Straight Flute



6138
Drill Dfits



6139
Chucking Reamers,
Left Hand Spiral Flute



6141
Core Drills



6144
Long Series Drills - MTS
Standard Helix



6145
Roto-bors



6146
Long Series Drills - Straight Shank
Standard Helix, Right Hand, 118 Deg. Split Point,
135 Deg. Split Point



6147
Extra Length Drills - MTS
Standard Helix



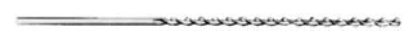
6149
Long Series Drills - Straight Shank
DHD for Deep Holes



6152
Extra Length Drills - Straight Shank,
Standard Helix



6153
Lathe Centres



6154
Extra Length Drills - Straight Shank,
Worm Pattern



6157
Taper Pin Drills - Straight Shank,
Slow Helix, Swarfbreaker Grooves,



6159
Morse Taper Shank Drills,
Standard Helix



6161
Jobber Drills, Quick Spiral,
for Stainless



6162
Morse Taper Shank Drills,
Carbide Tipped Drills



6163
Roto-bors, MTS



6164
Jobber Drills,
DHD for Deep Holes

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