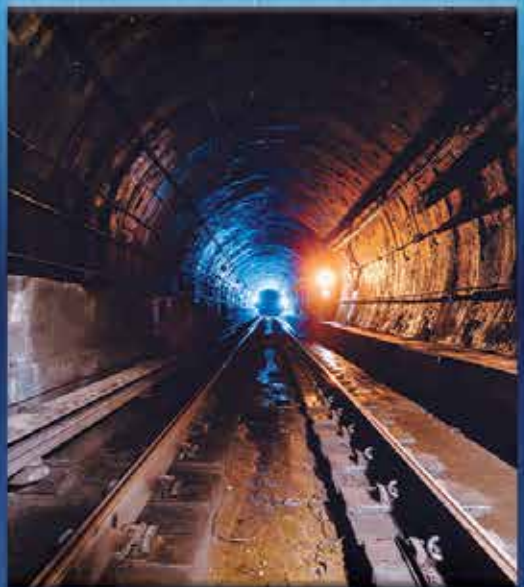
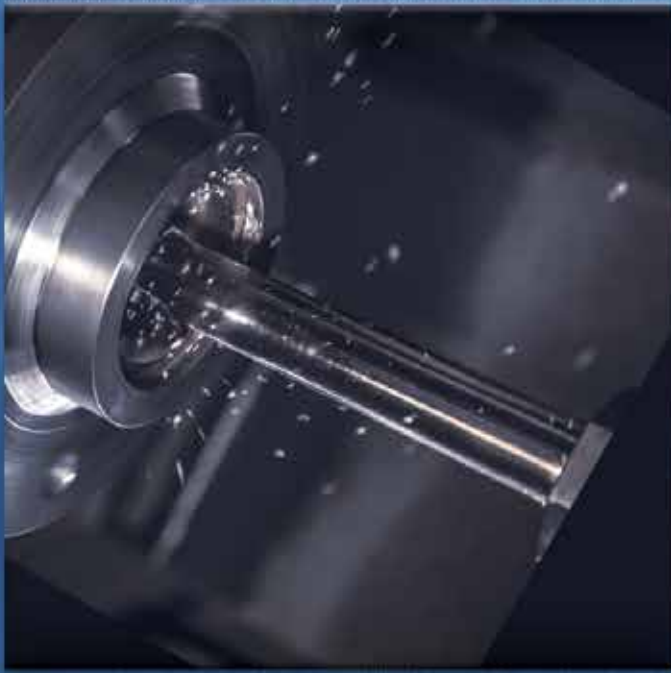


JTB Industrial Solutions



INDEX

A		D	
ADJUSTABLE WRENCH	81	DEAD CENTRES	56
ALU POWER	21	DEBURRING TOOLS	42-44
ANGLE GRINDER	69-70	DEPTH GAUGE	57,64
ARBORS	50-54	DETERGENTS	79
ARTISAN TOOLKITS	83-84	DIAGONAL CUTTERS	80
B		DIAL INDICATOR	57-60
BALL NOSE CUTTERS	19-20	DIAMOND DRESSERS	39
BANDSAW BLADES	41	DIE GRINDER	69
BANDSAW'S	67	DIES	17
BATTERIES	70,71	DIVIDERS	63
BEARING PULLERS	88-89	DOUBLE ENDED STUB DRILLS	10
BOLT CUTTER	80	DRILLS	7-13
BORE GAUGES	59	DRILL CHUCK ARBORS	50-51
BORING BAR HSS	39	DRILL CHUCKS	50
BORING BARS INDEXABLE	27-28	DRILL DRIFT	51
BRAZED CARBIDE TIP TOOLS	35-37	DRILL SETS	15
C		E	
CENTRE DRILL	7	EAR PLUGS	77
CABLE CONNECTOR	74	EDGE FINDER	65
CALIPERS	56-63	ELECTRODE HOLDEFR	74
CARBIDE INSERTS	22-33	ELECTRONIC MICROMETER	58
CENTRE PUNCH	63,64	END MILL	18-20
CHAIN HOIST	87-88	ENDLESS ROUND SLINGS	85
CHARGER	70	ENGINEERS SQUARES	62
CIRCLIP PLIERS	80	ER COLLETS	53-54
CIRCULAR SAW	70	F	
CLAMPING KITS	56	FACE MILL ARBORS	52
COLLET CHUCKS	52-53	FACE MILLS	29-33
COLLETS	51-54	FEELER GAUGE	64
COMBINATION SETS	62	FILES	37-38
COMBINATION SPANNER	81	FINGER CLOCK	57,59
COOLANT HOSE	45-50	G	
COOLANTS	79	GLOVES	77-78
COUNTERSINKS	12-14	GUILLOTINE	68
CURVOMARK	65-66		
CUT OFF SAW	69		
CUTTING OIL	79		

INDEX

H		M	
HACKSAW BLADES	41	MACHINE TAPS	16
HACKSAW FRAME	42	MAG BASE DRILLS	68
HAND CLEANER	79	MAGNETIC BASE	57
HAND TAPS	16	MAKITA	68-70
HARD HAT	76	MEASURING TAPE	61
HEIGHT GAUGE	61-62	MICROMETERS	57-58
HEX DIES	17	MIG TORCH	74
HEX KEYS	82	MIG WIRE	73
HSS TOOLBITS	38-39	MILLING CHUCKS	53-54
I		MILLING INDEXABLE	29-33
IMPACT DRILL	68-70	MILLING MACHINE	67
INDEXABLE DRILLS	34	MORSE TAPER ARBORS	50-51
INSIDE MICROMETER	58-59	MORSE TAPER DRILLS	10-11
ISO ADAPTORS	51-53	N	
J		NOGA DEBURRING	42-44
JENNY CALIPER	63	O	
K		OUTSIDE MICOMETERS	57-58
KNURLING	40-41	P	
KEYLESS DRILL CHUCKS	50	PACKING EXTRACTOR	65
L		PARALLEL SETS	62
LATHE TURNING TOOLS	23-25	PARTING TOOL CARBIDE TIP	28
LATHE'S	67	PARTING TOOL HSS	39
LEVER HOIST	87-88	PEDESTAL DRILL	67
LIFTING	85	PIN PUNCH	64
LIVE CENTRES	55	PIPE WRENCH	81
LOC-LINE COOLANT HOSE	45-50	PLIERS	79
LONG NOSE PLIERS	79	PRESS BRAKE	68
		PRICK PUNCH	64

INDEX

Q

Q20 MOISTURE REPELLANT 79

R

R8 ARBORS 51-52
RADIAL ARM DRILL 67
RADIUS GAUGE 64
REAMERS 14-15
RETRACTABLE KNIFE 82
RIPPERS 18-20

S

SAFETY GLASSES 77
SCRIBER 63
SHACKLES 85
SIDELOCK HOLDERS 53
SLOT DRILL 17-18
SOCKET SET 81
SOLID CARBIDE DRILLS 12-13
SOLID CARBIDE MILLING CUTTERS 20-21
SPANNERS 81
SPRING JOINT CALIPERS 63
STEEL ENGINEERS SQUARE 62
STEEL RULES 62
STUB DRILLS 10-11
SURFACE GAUGE 63
SURFACE GRINDER 68

T

T SLOT CUTTERS 14
TANK POWER 19-20
TAP AND DIE SET 15
TAP MEASURE 56
TAP WRENCH 56
TAPPING ATTACHMENTS 55
TAPS 16
TELESCOPIC GAUGES 59,62
THICKNESS GAUGE 57
THREAD PITCH GAUGE 64
THREE POINT INSIDE MICROMETER 58-59

T

TIG TORCH 75
TIG WELDERS 72
TOOLBITS HSS 38-39
TOOLBOX 82
TRAMMEL 64
TRIPLE FLINT LIGHTER 76
TURNIG HOLDERS INDEXABLE 23-25

U

V

VERNIERS 56-60
VICE GRIP 80

W

WASTE RAGS 79
WATERPUMP PLIERS 80
WEBBING SLINGS 85,86
WELDING CHIP HAMMER 76
WELDING ELECTRODE 73
WELDING HELMETS 76
WELDING MACHINES 72
WOODRUFF CUTTERS 14
WRAP A ROUND 66



HERE ARE SOME OF THE BRANDS WE REPRESENT :

ASIMETO

ECLIPSE

JT&B Brazed

LOC-LINE

Mitutoyo

NSK

WILEC

KORLOY



NOGA
SIMPLY SOPHISTICATED

Starret

CURV-O-MARK

SOLAR



G



JT&B
Machine Tool
Accessories

Information in this catalogue has been drawn from various sources and is to our knowledge correct. The pictures may not always be an exact match to the item offered. Should you notice any obvious errors please let us know.

Address : No. 23 Graphite Industrial Park
Fabriek Street, Strijdom Park, Randburg
Telephone : 011 234 1521
061 589 7071

email : joash@jtbind.co.za
sales@jtbind.co.za
www.jtbind.co.za

WIG CENTRE DRILL HSS FORM A DIN333 60°

Stock code	Drill Ø mm	Shank Ø mm	Pilot length mm	Overall length mm
D1303008	0.8	3.15	1.1	25
D1303010	1.00	3.15	1.3	31.5
D1303016	1.60	4.00	2	35.5
D1303020	2.00	5.00	2.5	40
D1303025	2.50	6.30	3.1	45
D1303040	4.00	10.00	5	56
D1303050	5.00	12.50	6.3	63
D1303063	6.30	16.00	8	71
D1303080	8.00	20.00	10	80
D1303100	10.00	25.00	12.8	100

**WIG HSS STRAIGHT SHANK DRILL STEAM
TREATED DIN338**
118° point angle


Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1105010	1	12	34
D1105011	1.1	14	36
D1105012	1.2	16	38
D1105013	1.3	16	38
D1105014	1.4	18	40
D1105015	1.5	18	40
D1135016	1.6	20	43
D1135018	1.8	22	46
D1135019	1.9	22	46
D1135020	2	24	49
D1135021	2.1	24	49
D1135022	2.2	27	53
D1135023	2.3	27	53
D1135024	2.4	30	57
D1135025	2.5	30	57
D1135026	2.6	30	57
D1135027	2.7	33	61
D1135028	2.8	33	61
D1135029	2.9	33	61
D1135030	3	33	61
D1135031	3.1	36	65
D1135032	3.2	36	65
D1135033	3.3	36	65
D1135034	3.4	39	70
D1135035	3.5	39	70
D1135036	3.6	39	70
D1135037	3.7	39	70
D1135038	3.8	43	75
D1135039	3.9	43	75
D1135040	4	43	75

cont..


**WIG HSS STRAIGHT SHANK DRILL STEAM
TREATED DIN338**
118° point angle

Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1135041	4.1	43	75
D1135042	4.2	43	75
D1135043	4.3	43	75
D1135044	4.4	47	80
D1135045	4.5	47	80
D1135046	4.6	47	80
D1135047	4.7	47	80
D1135048	4.8	47	80
D1135049	4.9	52	85
D1135050	5	52	86
D1135051	5.1	52	86
D1135052	5.2	52	86
D1135053	5.3	52	86
D1135054	5.4	52	86
D1135055	5.5	57	93
D1135056	5.6	57	93
D1135057	5.7	57	93
D1135058	5.8	57	93
D1135059	5.9	57	93
D1135060	6	57	93
D1135061	6.1	57	93
D1135062	6.2	63	101
D1135063	6.3	63	101
D1135064	6.4	63	101
D1135065	6.5	63	101
D1135066	6.6	63	101
D1135067	6.7	63	101
D1135068	6.8	63	101
D1135069	6.9	69	109
D1135070	7	69	109
D1135071	7.1	69	109
D1135072	7.2	69	109
D1135073	7.3	69	109
D1135074	7.4	69	109
D1135075	7.5	69	109
D1135076	7.6	69	109
D1135077	7.7	75	117
D1135078	7.8	75	117
D1135079	7.9	75	117
D1135080	8	75	117
D1135081	8.1	75	117
D1135082	8.2	75	117
D1135083	8.3	75	117
D1135084	8.4	75	117
D1135085	8.5	75	117
D1135086	8.6	75	117
D1135087	8.7	81	125
D1135088	8.8	81	125
D1135089	8.9	81	125
D1135090	9	81	125

cont..



**HSS STRAIGHT SHANK DRILL STEAM
TREATED DIN338
118° point angle**

Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1135091	9.1	81	125
D1135092	9.2	81	125
D1135093	9.3	81	125
D1135094	9.4	81	125
D1135095	9.5	81	125
D1135096	9.6	87	133
D1135097	9.7	87	133
D1135098	9.8	87	133
D1135099	9.9	87	133
D1135100	10	87	133
D1135101	10.1	87	133
D1135102	10.2	87	133
D1135103	10.3	87	133
D1135104	10.4	87	133
D1135105	10.5	87	133
D1135106	10.6	87	133
D1135107	10.7	94	142
D1135108	10.8	94	142
D1135109	10.9	94	142
D1135110	11	94	142
D1135111	11.1	94	142
D1135112	11.2	94	142
D1135113	11.3	94	142
D1135114	11.4	94	142
D1135115	11.5	94	142
D1135116	11.6	94	142
D1135117	11.7	94	142
D1135118	11.8	94	142
D1135119	11.9	101	151
D1135120	12	101	151



**HSS-CO STRAIGHT SHANK DRILL TIN
COATED POINT DIN338 135° POINT ANGLE**



Stock code	Drill Ø mm	Flute length mm	Overall length mm
DLGP195010	1	12	34
DLGP195011	1.1	14	35
DLGP195012	1.2	16	38
DLGP195013	1.3	16	38
DLGP195014	1.4	18	40
DLGP195015	1.5	18	40
DLGP195016	1.6	20	43
DLGP195017	1.7	20	43
DLGP195018	1.8	22	46
DLGP195019	1.9	22	46
DLGP195020	2	24	49

cont..



Stock code	Drill Ø mm	Flute length mm	Overall length mm
DLGP195021	2.1	24	49
DLGP195022	2.2	27	53
DLGP195023	2.3	27	53
DLGP195024	2.4	30	57
DLGP195025	2.5	30	57
DLGP195026	2.6	30	57
DLGP195027	2.7	33	61
DLGP195028	2.8	33	61
DLGP195029	2.9	33	61
DLGP195030	3	33	61
DLGP195031	3.1	36	65
DLGP195032	3.2	36	65
DLGP195033	3.3	36	65
DLGP195034	3.4	39	70
DLGP195035	3.5	39	70
DLGP195036	3.6	39	70
DLGP195037	3.7	39	70
DLGP195038	3.8	43	75
DLGP195039	3.9	43	75
DLGP195040	4	43	75
DLGP195041	4.1	43	75
DLGP195042	4.2	43	75
DLGP195043	4.3	47	80
DLGP195044	4.4	47	80
DLGP195045	4.5	47	80
DLGP195046	4.6	47	80
DLGP195047	4.7	47	80
DLGP195048	4.8	52	86
DLGP195049	4.9	52	86
DLGP195050	5	52	86
DLGP195051	5.1	52	86
DLGP195052	5.2	52	86
DLGP195053	5.3	52	86
DLGP195054	5.4	57	93
DLGP195055	5.5	57	93
DLGP195056	5.6	57	93
DLGP195057	5.7	57	93
DLGP195058	5.8	57	93
DLGP195059	5.9	57	93
DLGP195060	6	57	93
DLGP195061	6.1	63	101
DLGP195062	6.2	63	101
DLGP195063	6.3	63	101
DLGP195064	6.4	63	101
DLGP195065	6.5	63	101
DLGP195066	6.6	63	101
DLGP195067	6.7	63	101
DLGP195068	6.8	69	109
DLGP195069	6.9	69	109
DLGP195070	7	69	109

cont..

HSS-CO STRAIGHT SHANK DRILL TIN COATED POINT DIN338 135° POINT ANGLE



Stock code	Drill Ø mm	Flute length mm	Overall length mm
DLGP195071	7.1	69	109
DLGP195072	7.2	69	109
DLGP195073	7.3	69	109
DLGP195074	7.4	69	109
DLGP195075	7.5	69	109
DLGP195076	7.6	75	117
DLGP195077	7.7	75	117
DLGP195078	7.8	75	117
DLGP195079	7.9	75	117
DLGP195080	8	75	117
DLGP195081	8.1	75	117
DLGP195082	8.2	75	117
DLGP195083	8.3	75	117
DLGP195084	8.4	75	117
DLGP195085	8.5	75	117
DLGP195086	8.6	81	125
DLGP195087	8.7	81	125
DLGP195088	8.8	81	125
DLGP195089	8.9	81	125
DLGP195090	9	81	125
DLGP195091	9.1	81	125
DLGP195092	9.2	81	125
DLGP195093	9.3	81	125
DLGP195094	9.4	81	125
DLGP195095	9.5	81	125
DLGP195096	9.6	87	133
DLGP195097	9.7	87	133
DLGP195098	9.8	87	133
DLGP195099	9.9	87	133
DLGP195100	10	87	133
DLGP195101	10.1	87	133
DLGP195102	10.2	87	133
DLGP195103	10.3	87	133
DLGP195104	10.4	87	133
DLGP195105	10.5	87	133
DLGP195106	10.6	87	133
DLGP195107	10.7	94	142
DLGP195108	10.8	94	142
DLGP195109	10.9	94	142
DLGP195110	11	94	142
DLGP195111	11.1	94	142
DLGP195112	11.2	94	142
DLGP195113	11.3	94	142
DLGP195114	11.4	94	142
DLGP195115	11.5	94	142
DLGP195116	11.6	94	142
DLGP195117	11.7	94	142
DLGP195118	11.8	94	142
DLGP195119	11.9	101	151
DLGP195120	12	101	151

cont..



Stock code	Drill Ø mm	Flute length mm	Overall length mm
DLGP195121	12.1	101	151
DLGP195122	12.2	101	151
DLGP195123	12.3	101	151
DLGP195124	12.4	101	151
DLGP195125	12.5	101	151
DLGP195126	12.6	101	151
DLGP195127	12.7	101	151
DLGP195128	12.8	101	151
DLGP195129	12.9	101	151
DLGP195130	13	101	151

HSS STRAIGHT SHANK DRILL LONG SERIES DIN 340 BRIGHT FINISH 118° POINT ANGLE



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1124010	1	33	56
D1124011	1.1	37	60
D1124012	1.2	41	65
D1124013	1.3	41	70
D1124014	1.4	45	70
D1124015	1.5	45	70
D1124016	1.6	50	76
D1124017	1.7	50	76
D1124018	1.8	53	80
D1124019	1.9	53	80
D1124020	2	56	85
D1124021	2.1	56	85
D1124022	2.2	59	90
D1124023	2.3	59	90
D1124024	2.4	62	95
D1124025	2.5	62	95
D1124026	2.6	62	95
D1124027	2.7	66	100
D1124028	2.8	66	100
D1124029	2.9	66	100
D1124030	3	66	100
D1124031	3.1	69	106
D1124032	3.2	69	106
D1124033	3.3	69	106
D1124034	3.4	73	112
D1124035	3.5	73	112
D1124036	3.6	73	112
D1124037	3.7	73	112
D1124038	3.8	78	119
D1124039	3.9	78	119
D1124040	4	78	119

cont..

Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1124041	4.1	78	119
D1124042	4.2	78	119
D1124043	4.3	82	126
D1124044	4.4	82	126
D1124045	4.5	82	126
D1124046	4.6	82	126
D1124047	4.7	82	126
D1124048	4.8	87	132
D1124049	4.9	87	132
D1124050	5	87	132
D1124051	5.1	87	132
D1124052	5.2	87	132
D1124053	5.3	87	132
D1124054	5.4	91	139
D1124055	5.5	91	139
D1124056	5.6	91	139
D1124057	5.7	91	139
D1124058	5.8	91	139
D1124059	5.9	91	139
D1124060	6	91	139
D1124061	6.1	97	148
D1124062	6.2	97	148
D1124063	6.3	97	148
D1124064	6.4	97	148
D1124065	6.5	97	148
D1124066	6.6	97	148
D1124067	6.7	97	148
D1124068	6.8	102	156
D1124069	6.9	102	156
D1124070	7	102	156
D1124071	7.1	102	156
D1124072	7.2	102	156
D1124073	7.3	102	156
D1124074	7.4	102	156
D1124075	7.5	102	156
D1124076	7.6	109	165
D1124077	7.7	109	165
D1124078	7.8	109	165
D1124079	7.9	109	165
D1124080	8	109	165
D1124082	8.2	109	165
D1124085	8.5	109	165
D1124088	8.8	115	175
D1124090	9	115	175
D1124092	9.2	115	175
D1124095	9.5	115	175
D1124098	9.8	121	184
D1124100	10	121	184
D1124102	10.2	121	184
D1124105	10.5	121	184
D1124108	10.8	128	195
D1124110	11	128	195
D1124112	11.2	128	195
D1124115	11.5	128	195
D1124118	11.8	128	195
D1124120	12	134	205



**STUB DRILL STEAM TREATED DIN1897
118° POINT ANGLE**



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1107015	1.5	9	32
D1107016	1.6	10	34
D1107018	2.8	11	36
D1107020	2	12	38
D1107021	2.1	12	38
D1107022	2.2	13	40
D1107023	2.3	13	40
D1107024	2.4	14	43
D1107025	2.5	14	43
D1107026	2.6	14	43
D1107027	2.7	16	46
D1107028	2.8	16	46
D1107029	2.9	16	46
D1107030	3	16	49
D1107031	3.1	18	49
D1107032	3.2	18	49
D1107033	3.3	18	52
D1107034	3.4	20	52
D1107035	3.5	20	52
D1107036	3.6	20	52
D1107037	3.7	20	55
D1107038	3.8	22	55
D1107039	3.9	22	55
D1107040	4	22	55
D1107041	4.1	22	55
D1107042	4.2	22	58
D1107043	4.3	24	58
D1107044	4.4	24	58
D1107045	4.5	24	58
D1107046	4.6	24	58
D1107047	4.7	24	62
D1107048	4.8	26	62
D1107049	4.9	26	62
D1107050	5	26	62
D1107051	5.1	26	62
D1107052	5.2	26	62
D1107053	5.3	26	66
D1107054	5.4	28	66
D1107055	5.5	28	66
D1107056	5.6	28	66
D1107057	5.7	28	66
D1107058	5.8	28	66
D1107059	5.9	28	66
D1107060	6	28	70
D1107061	6.1	31	70
D1107062	6.2	31	70
D1107063	6.3	31	70
D1107064	6.4	31	70

cont..



STUB DRILL STEAM TREATED DIN1897 118° POINT ANGLE



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1107065	6.5	34	70
D1107068	6.8	34	74
D1107070	7	34	74
D1107072	7.2	34	74
D1107075	7.5	34	74
D1107078	7.8	37	79
D1107080	8	37	79
D1107082	8.2	37	79
D1107085	8.5	37	79
D1107088	8.8	40	84
D1107090	9	40	84
D1107095	9.5	40	84
D1107098	9.8	43	89
D1107100	10	43	89
D1107102	10.2	43	89
D1107105	10.5	43	89
D1107108	10.8	47	95
D1107110	10.8	47	95
D1107112	11.2	47	95
D1107115	11.5	47	95
D1107118	11.8	47	95
D1107120	12	51	102

DOUBLE ENDED STUB DRILL HSS



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1S94252	2	6	38
D1S94253	2.2	7	40
D1S94254	2.5	8	43
D1S94255	2.8	9	46
D1S94256	3	9	46
D1S94257	3.2	10	49
D1S94258	3.3	10	49
D1S94259	3.5	11	52
D1S94260	3.8	12	55
D1S94261	4	12	55
D1S94262	4.1	12	55
D1S94263	4.2	12	55
D1S94264	4.5	13	58
D1S94265	4.8	14	62
D1S94266	4.9	14	62
D1S94267	5	14	62
D1S94268	5.2	14	62
D1S94270	5.5	15	66

cont..



DOUBLE ENDED STUB DRILL HSS



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D1S94271	5.8	15	66
D1S94272	6	15	66
D1S94273	6.2	16	70
D1S94274	6.5	16	70
D1S94275	7	18	74
D1S94276	7.5	19	80
D1S94277	8	19	80

MORSE TAPER SHANK DRILLS HSS STEAM HOMO DIN 345



Stock code	Drill Ø mm	Flute length mm	Overall length mm	
D1205100	10	87	168	MT1
D1205105	10.5	87	168	MT1
D1205110	11	94	175	MT1
D1205115	11.5	94	175	MT1
D1205120	12	101	182	MT1
D1205125	12.5	101	182	MT1
D1205130	13	101	182	MT1
D1205135	13.5	108	189	MT1
D1205140	14	108	189	MT1
D1205145	14.5	114	212	MT2
D1205150	15	114	212	MT2
D1205155	15.5	120	218	MT2
D1205160	16	120	218	MT2
D1205165	16.5	125	223	MT2
D1205170	17	125	223	MT2
D1205175	17.5	130	228	MT2
D1205180	18	130	228	MT2
D1205185	18.5	135	233	MT2
D1205190	19	135	233	MT2
D1205195	19.5	140	238	MT2
D1205200	20	140	238	MT2
D1205205	20.5	145	243	MT2
D1205210	21	145	243	MT2
D1205215	21.5	150	248	MT2
D1205220	22	150	248	MT2
D1205225	22.5	155	253	MT2
D1205230	23	155	253	MT2

**JTG MORSE TAPER SHANK DRILLS HSS
STEAM HOMO DIN 345**



Stock code	Drill Ø mm	Flute length mm	Overall length mm	
D1205235	23.5	155	276	MT3
D1205240	24	160	281	MT3
D1205245	24.5	160	281	MT3
D1205250	25	160	281	MT3
D1205255	25.5	165	286	MT3
D1205260	26	165	286	MT3
D1205265	26.5	165	286	MT3
D1205270	27	170	291	MT3
D1205275	27.5	170	291	MT3
D1205280	28	170	291	MT3
D1205285	28.5	175	296	MT3
D1205290	29	175	296	MT3
D1205295	29.5	175	296	MT3
D1205300	30	175	296	MT3
D1205305	30.5	180	301	MT3
D1205310	31	180	301	MT3
D1205315	31.5	180	301	MT3
D1205320	32	185	334	MT4
D1205325	32.5	185	334	MT4
D1205330	33	185	334	MT4
D1205335	33.5	185	334	MT4
D1205340	34	190	339	MT4
D1205345	34.5	190	339	MT4
D1205350	35	190	339	MT4
D1205355	35.5	190	339	MT4
D1205360	36	195	344	MT4
D1205365	36.5	195	344	MT4
D1205370	37	195	344	MT4
D1205375	37.5	195	344	MT4
D1205380	38	200	349	MT4
D1205385	38.5	200	349	MT4
D1205390	39	200	349	MT4
D1205395	39.5	200	349	MT4
D1205400	40	200	349	MT4

JTG SOLID CARBIDE STUB DRILL DIN 6539



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D5405030	3	16	46
D5405032	3.2	18	49
D5405033	3.3	18	49
D5405035	3.5	20	52
D5405038	3.8	22	55
D5405040	4	22	55
D5405042	4.2	22	55

JTG SOLID CARBIDE STUB DRILL DIN 6539



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D5405043	4.3	24	58
D5405045	4.5	24	58
D5405047	4.7	24	58
D5405050	5	26	62
D5405053	5.3	26	62
D5405054	5.4	28	66
D5405055	5.5	28	66
D5405057	5.7	28	66
D5405060	6	28	66
D5405062	6.2	31	70
D5405065	6.5	31	70
D5405068	6.8	34	74
D5405070	7	34	74
D5405080	8	37	79
D5405082	8.2	37	79
D5405085	8.5	37	79
D5405090	9	40	84
D5405095	9.5	40	84
D5405100	10	43	89
D5405102	10.2	43	89
D5405105	10.5	43	89
D5405110	11	47	95
D5405115	11.5	47	95
D5405120	12	51	102
D5405130	13	51	102

**JTG SOLID CARBIDE STRAIGHT SHANK
DRILL JOBBER LENGTH DIN 338**



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D5407010	1	12	34
D5407011	1.1	14	36
D5407012	1.2	16	38
D5407013	1.3	16	38
D5407014	1.4	18	40
D5407015	1.5	18	40
D5407016	1.6	20	43
D5407017	1.7	20	43
D5407018	1.8	22	46
D5407019	1.9	22	46
D5407020	2	24	49

cont..

**WIG SOLID CARBIDE STRAIGHT SHANK
DRILL JOBBER LENGTH DIN 338**



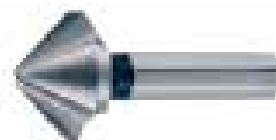
Stock code	Drill Ø mm	Flute length mm	Overall length mm
D5407021	2.1	24	49
D5407022	2.2	27	53
D5407023	2.3	27	53
D5407024	2.4	30	57
D5407025	2.5	30	57
D5407026	2.6	30	57
D5407027	2.7	33	61
D5407028	2.8	33	61
D5407029	2.9	33	61
D5407030	3	33	61
D5407031	3.1	36	65
D5407032	3.2	36	65
D5407033	3.3	36	65
D5407034	3.4	39	70
D5407035	3.5	39	70
D5407036	3.6	39	70
D5407037	3.7	39	70
D5407038	3.8	43	75
D5407039	3.9	43	75
D5407040	4	43	75
D5407041	4.1	43	75
D5407042	4.2	43	75
D5407043	4.3	47	80
D5407044	4.4	47	80
D5407045	4.5	47	80
D5407046	4.6	47	80
D5407047	4.7	47	80
D5407048	4.8	52	86
D5407049	4.9	52	86
D5407050	5	52	86
D5407051	5.1	52	86
D5407052	5.2	52	86
D5407053	5.3	52	86
D5407054	5.4	57	93
D5407055	5.5	57	93
D5407056	5.6	57	93
D5407057	5.7	57	93
D5407058	5.8	57	93
D5407059	5.9	57	93
D5407060	6	57	93

**WIG SOLID CARBIDE STRAIGHT SHANK
DRILL JOBBER LENGTH DIN 338**



Stock code	Drill Ø mm	Flute length mm	Overall length mm
D5407061	6.1	63	101
D5407062	6.2	63	101
D5407063	6.3	63	101
D5407064	6.4	63	101
D5407065	6.5	63	101
D5407068	6.8	69	109
D5407070	7	69	109
D5407075	7.5	69	109
D5407080	8	75	117
D5407085	8.5	75	117
D5407090	9	81	125
D5407095	9.5	81	125
D5407100	10	87	133
D5407102	10.2	87	133
D5407105	10.5	87	133
D5407110	11	94	142
D5407115	11.5	94	142
D5407120	12	101	151
D5407130	13	101	151

**WIG THREE FLUTE COUNTERSINKS 90°
DIN 335C**



Stock code	Cutting Ø mm	Shank mm	Overall length mm
C1139043	4.3	4	40
C1139050	5	4	40
C1139063	6.3	5	45
C1139080	8	6	50
C1139100	10	6	50
C1139125	12.5	8	56
C1139150	15	10	60
C1139160	16	10	60
C1139165	16.5	10	60
C1139200	20	10	63
C1139205	20.5	10	63
C1139250	25	10	67
C1139300	30	12	71



THREE FLUTE COUNTERSINKS 60° DIN 334C



Stock code	Cutting Ø mm	Shank mm	Overall length mm
C1136063	6.3	5	45
C1136080	8	6	50
C1136100	10	6	50
C1136125	12.5	8	56
C1136160	16	10	63
C1136200	20	10	67
C1136250	25	10	71



WOODRUFF CUTTER HSS CO5



Stock code	Ø mm	Width mm	Shank mm	Overall length mm
ML26210E01	10.5	2	6	50
ML26210E02	10.5	2.5	6	50
ML26210E03	10.5	3	6	50
ML26213E03	13.5	3	10	56
ML26213E04	13.5	4	10	56
ML26216E02	16.5	3	10	56
ML26216E03	16.5	4	10	56
ML26216E04	16.5	5	10	56
ML26219E02	19.5	4	10	63
ML26219E03	19.5	5	10	63
ML26219E04	19.5	6	10	63
ML26222E02	22.5	5	10	63
ML26222E03	22.5	6	10	63
ML26222E04	22.5	8	10	63
ML26225E02	25.5	6	10	63



T SLOT CUTTERS HSS CO5



Stock code	Ø mm	ShankØ mm	Cutting length mm	Overall length mm
ML27201601	16	10	8	62
ML27201801	18	12	8	70
ML27202101	21	12	9	74
ML27202501	25	16	11	82
ML27202801	28	16	12	83
ML27203201	32	16	14	90
ML27203601	36	25	16	103
ML27204001	40	25	18	108



MACHINE CHUCKING REAMERS HSS DIN212 H7



Stock code	Ø mm	ShankØ mm	Cutting length mm	Overall length mm
K211100200	2	2	11	49
K211100240	2.4	2.4	14	57
K211100250	2.5	2.5	14	57
K211100280	2.8	2.8	15	61
K211100300	3	3	15	61
K211100350	3.5	3.5	18	70
K211100400	4	4	19	75
K211100450	4.5	4.5	21	80
K211100500	5	5	23	86
K211100550	5.5	5.6	26	93
K211100600	6	5.6	26	93
K211100700	7	7.1	31	109
K211100710	7.1	7.1	31	109
K211100800	8	8	33	117
K211100900	9	9	36	125
K211101000	10	10	38	133
K211101100	11	10	41	142
K211101200	12	10	44	151
K211101300	13	10	44	151
K211101400	14	12.5	47	160
K211101500	15	12.5	50	162
K211101600	16	12.5	52	170
K211101700	17	14	54	175
K211101800	18	14	56	182
K211102000	20	16	60	195



MACHINE CHUCKING REAMER MORSE TAPER DIN208 H7



Stock code	Ø mm	Flute length mm	OAL mm	Morse taper mm
K117200600	6	48	125	1
K117200800	8	58	138	1
K117200900	9	62	141	1
K117201000	10	66	146	1
K117201100	11	71	151	1
K117201200	12	76	156	1
K117201300	13	76	156	1
K117201400	14	81	160	1
K117201500	15	81	181	2
K117201600	16	87	187	2
K117201700	17	87	187	2
K117201800	18	94	194	2
K117201900	19	94	194	2
K117202000	20	100	200	2
K117202100	21	100	200	2
K117202200	22	107	207	2
K117202300	23	107	207	2
K117202400	24	115	242	3
K117202500	25	115	242	3
K117202600	26	115	242	3
K117202700	27	124	251	3
K117202800	28	124	251	3
K117202900	29	124	251	3
K117203000	30	124	251	3
K117203100	31	133	260	3
K117203200	32	133	294	4



DRILL SET GOLD P DRILLS 25 PC



Stock code	Description
DLGP195SET2	1.0MM~13.0MM X0.5 STEP-25pcs



DRILL SETS JOBBER DRILL M2 GROUND FLUTE



Stock code	Description
D1SET1002	1.0~10.0 (STEP 0.5) 19PCS
D1SET1003	1.0~13.0 (STEP 1) 13PCS
D1SET1010	1.0~13.0 (STEP 0.5) 25PCS



TAP AND GOLDP DRILL SET



Stock code	Description
TC804SET7-G1P165	SPIRAL FLUTE TAPS M3,M4,M5,M6,M8,M10,M12
TC814SET7-G1P165	SPIRAL POINT TAPS M3,M4,M5,M6,M8,M10,M12



TAP AND DIE SET



Stock code	Description
SETM3-12HSS	32 PIECE SET M3- M12 TAPS AND DIES AND HOLDERS
SETM3-20HSS	54 PIECE SET M3-M20 TAPS AND DIES AND HOLDERS

JTG SPIRAL POINT MACHINE TAPS COMBO DIN 371



Stock code	Size mm	Pitch mm	Overall length mm
TC814136	M2	0.4	45
TC814156	M2.2	0.45	45
TC814176	M2.5	0.45	50
TC814196	M2.3	0.4	45
TC814206	M3	0.5	56
TC814226	M3.5	0	56
TC814246	M4	0.7	63
TC814266	M4.5	0.75	70
TC814286	M5	0.8	70
TC814316	M6	1	80
TC814346	M7	1	80
TC814366	M8	1.25	90
TC814396	M9	1.25	90
TC814426	M10	1.5	100
TC814466	M11	1.5	100
TC814506	M12	1.75	110
TC814546	M14	2	110
TC814606	M16	2	110
TC814656	M18	2.5	125
TC814706	M20	2.5	140

JTG SPIRAL FLUTE MACHINE TAPS COMBO DIN 371



Stock code	Size mm	Pitch mm	Overall length mm
TC804136	M2	0.4	45
TC804156	M2.2	0.45	45
TC804176	M2.5	0.45	50
TC804206	M3	0.5	50
TC804226	M3.5	0.5	50
TC804246	M4	0.7	63
TC804266	M4.5	0.75	70
TC804286	M5	0.8	70
TC804316	M6	1	80
TC804346	M7	1	80
TC804366	M8	1.25	90
TC804396	M9	1.25	90
TC804426	M10	1.5	100
TC804466	M11	1.5	100
TC804496	M12	1.75	110
TC804506	M12	1.75	110
TC804546	M14	2	110
TC804606	M16	2	110
TC804656	M18	2.5	125
TC804706	M20	2.5	140

JTG HAND TAPS SERIAL SET OF THREE TAPS DIN 352



Stock code	Size mm	Pitch mm	Overall length mm
T7109139	M2	0.4	36
T7109159	M2.2	0.45	36
T7109179	M2.5	0.45	40
T7109209	M3	0.5	40
T7109229	M3.5	0.6	45
T7109249	M4	0.7	45
T7109269	M4.5	0.75	50
T7109289	M5	0.8	52
T7109319	M6	1	50
T7109349	M7	1	50
T7109369	M8	1.25	63
T7109399	M9	1.25	63
T7109429	M10	1.5	70
T7109469	M11	1.5	70
T7109509	M12	1.75	80
T7109549	M14	2	80
T7109609	M16	2	80
T7109659	M18	2.5	95
T7109709	M20	2.5	95

JTG HAND TAPS METRIC FINE SET OF TWO TAPS DIN2181



Stock code	Size mm	Pitch mm	Overall length mm
T7309219	M3	0.35	42
T7309259	M4	0.5	45
T7309299	M5	0.5	52
T7309329	M6	0.75	56
T7309339	M6	0.5	56
T7309359	M7	0.75	56
T7309379	M8	1	63
T7309439	M10	1.25	70
T7309449	M10	1	63
T7309519	M12	1.5	70
T7309529	M12	1.25	70

JTB HAND TAPS METRIC FINE SET OF TWO TAPS DIN2181

Stock code	Size mm	Pitch mm	Overall length mm
T7309539	M12	1	70
T7309559	M14	1.5	70
T7309619	M16	1.5	70
T7309629	M16	1	70
T7309679	M18	1.5	80
T7309729	M20	1.5	80

JTB HEX DIE NUTS HSS METRIC



Stock code	Size mm	Pitch mm	Thickness mm
HDNM3	M3	0.5	5
HDNM4	M4	0.7	5
HDNM5	M5	0.8	7
HDNM6	M6	1	7
HDNM8	M8	1.25	9
HDNM10	M10	1.5	11
HDNM12	M12	1.75	14
HDNM14	M14	2	14
HDNM16	M16	2	18
HDNM20	M20	2.5	18

JTB SOLID ROUND DIE HSS METRIC



Stock code	Size mm	Pitch mm	Thickness mm
RDM3	0.5	20	5
RDM5	0.8	20	7
RDM6	1	20	7
RDM8	1.25	25	9
RDM10	1.5	30	11
RDM12	1.75	38	14
RDM14	2	38	14
RDM16	2	45	18
RDM18	2.5	45	18
RDM20	2.5	45	18

cont..

JTB SOLID ROUND DIE HSS METRIC FINE

Stock code	Size mm	Pitch mm	Thickness mm
RDMF5	0.5	20	5
RDMF6	0.75	20	7
RDMF8	0.75	25	9
RDMF10	0.75	30	9
RDMF10X1	1	30	9
RDMF12	1	38	10
RDMF12X1.25	1.25	38	10
RDMF12X1.75	1.5	38	10
RDMF14	1.5	38	10
RDMF16	1.5	45	14
RDMF20	1.25	45	14
RDMF20X1.5	1.5	45	14

JTB SLOT DRILL STD HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2502020	2	6	4	48
E2502025	2.5	6	5	49
E2502030	3	6	5	49
E2502035	3.5	6	6	50
E2502040	4	6	7	51
E2502045	4.5	6	7	51
E2502050	5	6	8	52
E2502055	5.5	6	8	52
E2502060	6	6	8	52
E2502065	6.5	10	10	60
E2502070	7	10	10	60
E2502075	7.5	10	10	60
E2502080	8	10	11	61
E2502085	8.5	10	11	61
E2502090	9	10	11	61
E2502095	9.5	10	11	61
E2502100	10	10	13	63
E2502105	10.5	12	13	70
E2502110	11	12	13	70
E2502115	11.5	12	13	70
E2502120	12	12	16	73
E2502130	13	12	16	73
E2502140	14	12	16	73
E2502150	15	12	16	73
E2502160	16	16	19	79
E2502170	17	16	19	79
E2502180	18	16	19	79
E2502190	19	16	19	79
E2502200	20	20	22	88

JTG SLOT DRILL LONG HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2643020	2	6	4	51
E2643025	2.5	6	6.5	54
E2643030	3	6	11	60.5
E2643035	3.5	6	12.5	66.5
E2643040	4	6	12.5	66.5
E2643045	4.5	6	12.5	66.5
E2643050	5	6	12.5	70
E2643055	5.5	6	16	76
E2643060	6	6	16	76
E2643065	6.5	10	16	76
E2643070	7	10	16	76
E2643075	7.5	10	16	76
E2643080	8	10	19	79.5
E2643085	8.5	10	22	82.5
E2643090	9	10	22	82.5
E2643095	9.5	10	22	82.5
E2643100	10	10	22	82.5
E2643110	11	12	22	89
E2643120	12	12	25.5	95
E2643130	13	12	25.5	95
E2643140	14	12	28.5	101.5
E2643150	15	16	31.5	108
E2643160	16	16	31.5	108
E2643170	17	16	35	114.5
E2643180	18	16	35	114.5
E2643190	19	16	38	120.5
E2643200	20	16	38	120.5

JTG END MILL STD HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2545030	3	6	9.5	54
E2545040	4	6	12.5	57
E2545050	5	6	16	60.5
E2545060	6	6	16	60.5
E2545070	7	10	15	60.5
E2545080	8	10	18	63.5
E2545090	9	10	21	66.5
E2545100	10	10	21	66.5
E2545110	11	12	19	66.5
E2545120	12	12	24	70
E2545130	13	12	24.5	70

cont..



JTG END MILL STD HSS-CO8 M42

Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2545130	13	12	24.5	70
E2545140	14	12	28.5	73
E2545150	15	16	26.5	77
E2545160	16	16	26.5	77
E2545180	18	16	35	80
E2545190	19	16	38	83.5
E2545200	20	16	38	83.5

JTG END MILL LONG HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2644040	4	6	12.5	66.5
E2644050	5	6	12.5	70
E2644060	6	6	16	76
E2644070	7	10	16	76
E2644080	8	10	19	79.5
E2644090	9	10	22	82.5
E2644100	10	10	22	82.5
E2644110	11	12	22	89
E2644120	12	12	25.5	95
E2644130	13	12	25.5	95
E2644140	14	12	28.5	101.5
E2644150	15	16	31.5	108
E2644160	16	16	31.5	108
E2644170	17	16	35	114.5
E2644180	18	16	35	114.5
E2644190	19	16	38	120.5
E2644200	20	16	38	120.5

JTG ROUGHING END MILL HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2800060	6	6	13	57
E2800070	7	10	16	66
E2800080	8	10	19	69
E2800100	10	10	22	72
E2800110	11	12	22	79
E2800120	12	12	26	83
E2800160	16	16	32	92
E2800180	18	16	32	92
E2800901	20	16	38	98

ROUGHING END MILL LONG SERIES HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2801100	10	10	45	95
E2801120	12	12	53	110
E2801160	16	16	63	123
E2801180	18	16	63	123
E2801250	25	25	90	166
E2801300	30	25	90	166
E2801901	20	16	75	135

BALL NOSE SLOT DRILL STANDARD HSS-CO8 M42



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E2621020	2	6	4	48
E2621030	3	6	5	49
E2621040	4	6	7	51
E2621050	5	6	8	52
E2621060	6	6	8	52
E2621070	7	10	10	60
E2621080	8	10	11	61
E2621090	9	10	11	61
E2621100	10	10	13	63
E2621110	11	12	13	70
E2621120	12	12	16	73
E2621130	13	12	16	73
E2621140	14	12	16	73
E2621150	15	12	16	73
E2621160	16	16	19	79
E2621180	18	16	19	79
E2621200	20	20	22	88

TANK POWER 2FL SLOT DRILL TIALN



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA936010	1	6	2.5	47
GA936020	2	6	4	48
GA936030	3	6	5	49
GA936040	4	6	7	51

cont..



TANK POWER 2FL SLOT DRILL TIALN

Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA936050	5	6	8	52
GA936060	6	6	8	52
GA936070	7	10	10	60
GA936080	8	10	11	61
GA936090	9	10	11	61
GA936100	10	10	13	63
GA936120	12	12	16	73
GA936140	14	12	16	73
GA936160	16	16	19	79
GA936180	18	16	19	79
GA936200	20	20	22	88

TANK POWER 4FL STANDARD END MILL TIALN



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA938010	1	6	3	49
GA938020	2	6	7	51
GA938030	3	6	8	52
GA938040	4	6	11	55
GA938050	5	6	13	57
GA938060	6	6	13	57
GA938070	7	10	16	66
GA938080	8	10	19	69
GA938090	9	10	19	69
GA938100	10	10		72
GA938120	12	12	26	83
GA938140	14	12	26	83
GA938160	16	16	32	92
GA938180	18	16	32	92
GA938200	20	20	38	104

TANK POWER FINE PITCH RIPPER TIALN

Premium powder metallurgy



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA941060	6	6	13	57
GA941080	8	10	19	69
GA941100	10	10	22	72

cont..

JTG TANK POWER FINE PITCH RIPPER TIALN

Premium powder metallurgy



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA941120	12	12	26	83
GA941140	14	12	26	83
GA941160	16	16	32	92
GA941200	20	20	38	104

JTG TANK POWER 2FL STANDARD BALL NOSE SLOT DRILL TIALN

Premium powder metallurgy



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
GA940010	1	6	2.5	47
GA940020	2	6	4	48
GA940030	3	6	5	49
GA940040	4	6	7	51
GA940050	5	6	8	52
GA940060	6	6	8	52
GA940070	7	10	10	60
GA940080	8	10	11	61
GA940090	9	10	11	61
GA940100	10	10	13	63
GA940120	12	12	16	73
GA940140	14	12	16	73
GA940160	16	16	19	79
GA940180	18	16	19	79
GA940200	20	20	22	88



JTG K2 SOLID CARBIDE SLOT DRILL STD

Premium powder metallurgy



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9424010	1	4	3	40
G9424015	1.5	4	4.5	40
G9424020	2	2	8	32
G9424025	2.5	2.5	8	32
G9424030	3	3	12	32
G9424035	3.5	3.5	12	32
G9424040	4	4	12	40
G9424045	4.5	4.5	14	50
G9424050	5	5	14	50
G9424055	5.5	5.5	16	50
G9424060	6	6	16	50
G9424070	7	7	20	60
G9424080	8	8	20	60
G9424090	9	9	20	60
G9424100	10	10	22	70
G9424120	12	12	22	70
G9424140	14	14	25	75
G9424160	16	16	25	75
G9424200	20	20	32	100

JTG K2 SOLID CARBIDE SLOT DRILL LONG

Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9452904	4	4	20	60
G9452905	5	5	25	75
G9452906	6	6	30	75
G9452908	8	8	30	75
G9452910	10	10	40	100
G9452912	12	12	45	100
G9452914	14	14	45	100
G9452916	16	16	45	100
G9452920	20	20	45	100

JTG K2 SOLID CARBIDE END MILL STD



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9448040	4	6	8	54
G9448045	4.5	6	8	54
G9448050	5	6	9	54
G9448060	6	6	10	54
G9448070	7	8	11	58
G9448080	8	8	12	58

cont..

JTG K2 SOLID CARBIDE END MILL STD



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9448090	9	10	13	66
G9448100	10	10	14	66
G9448120	12	12	16	73
G9448140	14	14	18	75
G9448160	16	16	22	82
G9448180	18	18	24	84
G9448200	20	20	26	92

JTG K2 SOLID CARBIDE END MILL LONG

Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9540040	4	4	11	50
G9540050	5	5	13	50
G9540060	6	6	13	57
G9540070	7	7	16	60
G9540080	8	8	19	63
G9540090	9	9	19	67
G9540100	10	10	22	72
G9540110	11	11	26	83
G9540120	12	12	26	83
G9540130	13	13	26	83
G9540140	14	14	26	83
G9540150	15	15	32	92
G9540160	16	16	32	92
G9540180	18	18	32	92
G9540200	20	20	38	104

JTG K2 SOLID CARBIDE COATED FINE PITCH RIPPER



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
G9A42060	6	6	16	57
G9A42080	8	8	16	63
G9A42100	10	10	22	72
G9A42120	12	12	26	83
G9A42140	14	14	26	83
G9A42160	16	16	32	92
G9A42180	18	18	32	92
G9A42200	20	20	38	104

JTG ALU POWER SINGLE FLUTE SOLID CARBIDE SLOT DRILL



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E5E47020	2	3	8	50
E5E47030	3	3	12	50
E5E47040	4	4	15	60
E5E47050	5	5	17	60
E5E47060	6	6	20	65
E5E47080	8	8	22	65
E5E47100	10	10	25	75
E5E47120	12	12	30	80

JTG ALU POWER 2 FLUTE SOLID CARBIDE SLOT DRILL 45°



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E5522020	2	3	7	38
E5522030	3	6	8	57
E5522040	4	6	11	57
E5522050	5	6	13	57
E5522060	6	6	13	57
E5522080	8	8	19	63
E5522100	10	10	22	72
E5522120	12	12	26	83
E5522160	16	16	32	92
E5522200	20	20	38	104

JTG ALUPOWER 3 FLUTE SOLID CARBIDE 45°



Stock code	Size mm	Shank mm	Flute length mm	Overall length mm
E5E49030	3	6	12	57
E5E49040	4	6	15	57
E5E49050	5	6	20	57
E5E49060	6	6	20	65
E5E49080	8	8	22	65
E5E49100	10	10	25	70
E5E49120	12	12	25	75
E5E49160	16	16	35	90

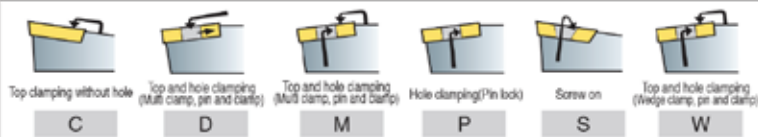
EXTERNAL TOOL HOLDER CODE SYSTEM (ISO)

P S K N R 25 25 - M 12

1 Clamping Method of Insert 2 Insert Shape 3 Holder Style 4 Clearance Angle of Insert 5 Hand 6 Height of Shank 7 Width of Shank 8 Length of Holder 9 Length of Insert Cutting Edge

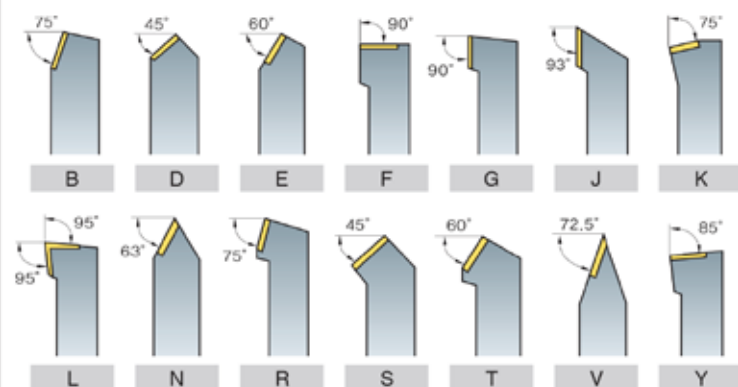
1 Clamping Method of Insert

P S K N R 25 25 - M 12



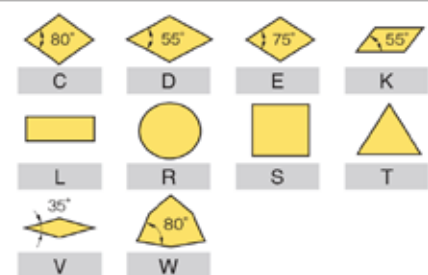
3 Holder Style

P S K N R 25 25 - M 12



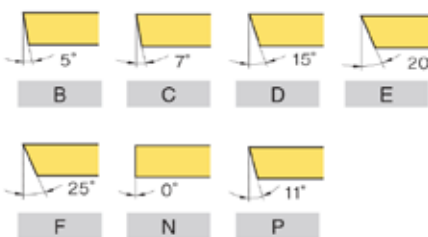
2 Insert Shape

P S K N R 25 25 - M 12



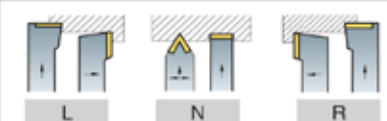
4 Clearance Angle of Insert

P S K N R 25 25 - M 12



5 Hand

P S K N R 25 25 - M 12



6 Height of Shank

P S K N R 25 25 - M 12



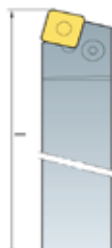
7 Width of Shank

P S K N R 25 25 - M 12



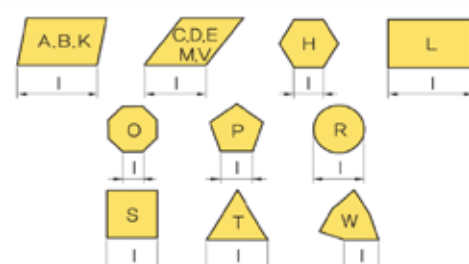
8 Length of Holder

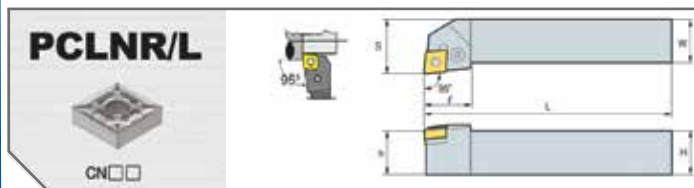
P S K N R 25 25 - M 12

	A - 32	H - 100	Q - 180	X-Special Item
	B - 40	J - 110	R - 200	
	C - 50	K - 125	S - 250	
	D - 60	L - 140	T - 300	
	E - 70	M - 150	U - 350	
	F - 80	N - 160	V - 400	
	G - 90	P - 170	W - 450	

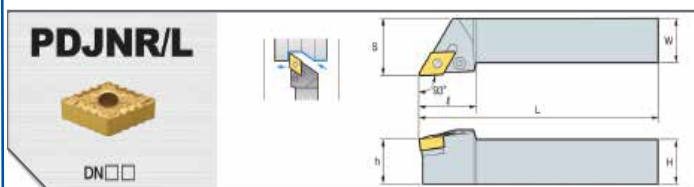
9 Length of Insert Cutting Edge

P S K N R 25 25 - M 12

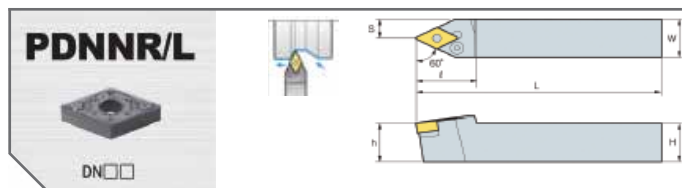




PCLNR/L	H	W	L	S	h	l	Insert
1616-H09	16	16	100	20	16	20	CN□□0903□□
2020-K09	20	20	125	25	20	22	
2525-M09	25	25	150	32	25	22	
1616-H12	16	16	100	20	16	28	CN□□1204□□
2020-K12	20	20	125	25	20	28	
2525-M12	25	25	150	32	25	28	
3225-P12	32	32	170	32	32	28	
3232-P12	32	25	170	40	32	28	CN□□1606□□
2525-M16	25	25	150	32	25	33	
3232-P16	32	32	170	40	32	33	



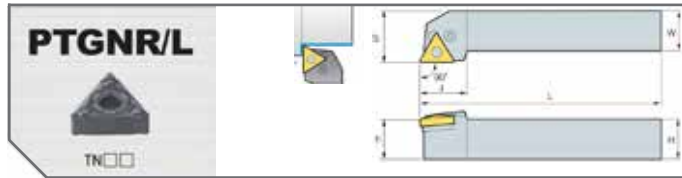
PDJNR/L	H	W	L	S	h	l	Insert
1616-H11	16	16	100	20	16	25	DN□□1104□□
2020-K11	20	20	125	25	20	25	
2525-M11	25	25	150	32	25	30	
2020-K15	20	20	125	25	20	35	DN□□1506□□
2525-M15	25	25	150	32	25	35	
3225-P15	32	25	170	32	32	35	
3232-P15	32	32	170	40	32	35	DN□□1504□□
2020-K15-3	20	20	125	25	20	35	



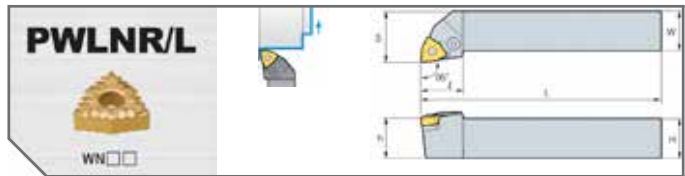
PDNNR/L	H	W	L	S	h	l	Insert
2020-K15	20	20	125	8	20	37	DN□□1506□□
2525-M15	25	25	150	12.5	25	37	
3232-P15	32	32	150	16	32	37	
4025-M15	40	25	170	12.5	32	37	
2525-M15-3	25	25	150	12.5	25	37	DN□□1504□□



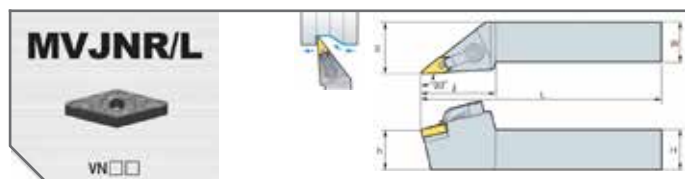
PSSNR/L	H	W	L	S	h	l	Insert
1616-H09	16	16	100	20	16	25	SN□□0903□□
2020-K12	20	20	125	25	20	30	SN□□1204□□
2525-M12	25	25	150	32	25	36	
3232-P12	32	32	170	40	32	40	
2525-M15	25	25	150	32	25	36	SN□□1506□□
3232-P15	32	32	170	40	32	45	
3232-P19	32	32	170	40	32	41.5	SN□□1906□□
4040-R19	40	40	200	50	40	41.5	
4040-S19	40	40	250	50	40	41.5	



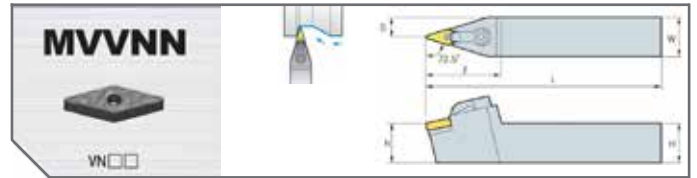
PTGNNR/L	H	W	L	S	h	l	Insert
1212-F11	12	12	80	16	12	16	TN□□1103□□
1616-H11	16	16	100	20	16	18	
2020-K11	20	20	125	25	20	19	
2525-M11	25	25	150	32	25	20	
1616-H16	16	16	100	20	16	20	TN□□1604□□
2020-K16	20	20	125	25	20	20	
2525-M16	25	25	150	32	25	20	
3232-P16	32	32	170	40	32	20	
2525-M22	25	25	150	32	25	28	TN□□2204□□
3232-P22	32	32	170	40	32	28	



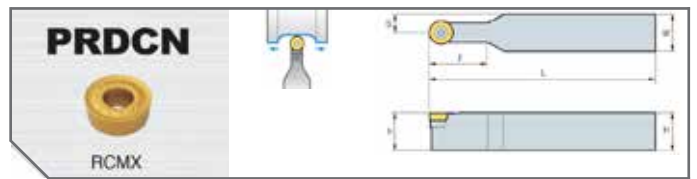
PWLNR/L	H	W	L	S	h	l	Insert
1616-H06	16	16	100	20	16	20	WN□□0604□□
2020-K06	20	20	125	25	20	20	
2525-M06	25	25	150	32	25	20	
2020-K08	20	20	125	25	20	26	WN□□0804□□
2525-M08	25	25	150	32	25	26	



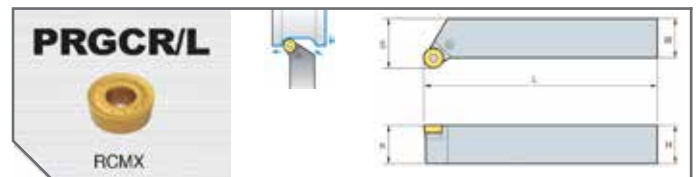
MVJNR/L	H	W	L	S	h	Insert
2020-K16	20	20	125	20	37	VN□□1604□□
2525-M16	25	25	150	25	37	
3232-P16	32	32	170	32	37	
2525-M22	25	25	150	25	50	VN□□2204□□
3232-P22	32	32	170	32	50	
4040-S22	40	40	250	40	50	



MVVNN	H	W	L	S	h	l	Insert
2020-K16	20	20	125	25	20	42	VN□□1604□□
2525-M16	25	25	150	32	25	42	



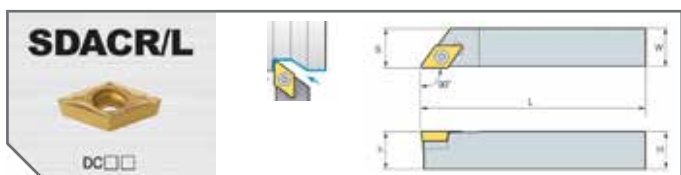
PRDCN	H	W	L	S	h	l	Insert
2020-M10	20	20	150	15	20	24	RCMX 1003M0
2525-M10	25	25	150	17.5	25	24	
2525-M12	25	25	150	18.5	25	24	RCMX 1204M0
2020-K12	20	20	125	16	20	24	
3225-Q12	32	25	180	18.5	32	24	
2525-Q16	25	25	180	20.5	25	30	RCMX 1606M0
3225-Q16	32	32	180	20.5	32	30	
3232-Q16	32	32	180	24	32	35	
3232-Q20	32	32	180	26	32	40	RCMX 2006M0



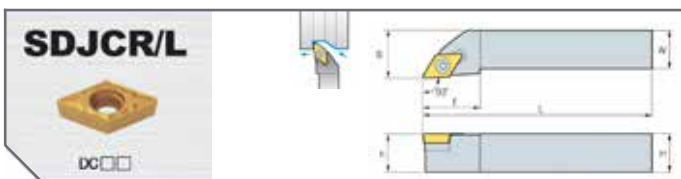
PRGCR/L	H	W	L	S	h	Insert
2020-K10	20	20	125	25	20	RCMX 1003M0
2525-M10	25	25	150	32	25	
2020-K12	20	20	125	25	20	RCMX 1204M0
2525-M12	25	25	150	32	25	
3225-P12	32	25	170	32	32	
2525-M16	25	25	150	32	25	RCMX 1606M0
3225-P16	32	25	170	32	32	
3232-P20	32	32	170	40	32	RCMX 2006M0



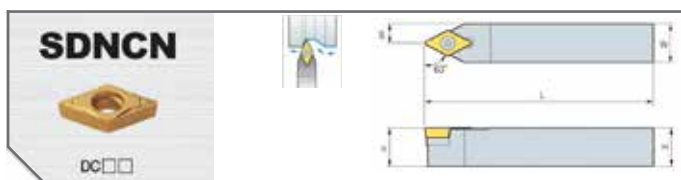
SCLCR/L	H	W	L	S	h	l	Insert
0808-DO6	8	8	60	10	8	10	CC□□0602□□
1010-E06	10	10	70	16	10	10	
1212-F09	12	12	80	20	12	16	CC□□09T3□□
1616-H09	16	16	100	20	16	16	
2020-K09	20	20	125	25	20	16	
2020-K12	20	20	125	25	20	25	CC□□1204□□
2525-M12	25	25	150	32	25	25	



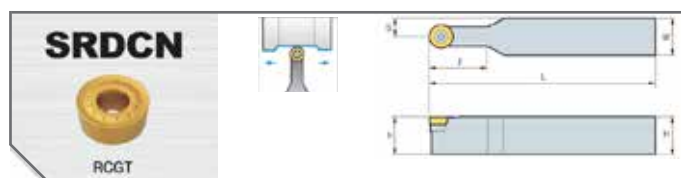
SDACR/L	H	W	L	S	h	Insert
1010-E07	10	10	70	10.5	10	DC□□0702□□
1212-F11	12	12	80	12.5	12	
1616-H11	16	16	100	16.5	16	DC□□11T3□□



SDJCR/L	H	W	L	S	h	l	Insert
1010-E07	10	10	70	12	10	15	DC□□0702□□
1212-F11	12	12	80	16	12	15	
1616-H07	16	16	100	20	16	18	
2020-K07	20	20	125	25	20	15	
1212-F11	12	12	80	16	12	15	DC□□11T3□□
1616-H11	16	16	100	20	16	24	
2020-K11	20	20	125	25	20	24	
2525-M11	25	25	150	32	25	29	



SDNCN	H	W	L	S	h	Insert
1010-E07	10	10	70	5	10	DC□□0702□□
1212-F07	12	12	80	6	12	
1212-H11	12	12	100	6	12	DC□□11T3□□
1616-H11	16	16	100	8	18	
2020-K11	20	20	125	10	20	



SRDCN	H	W	L	S	h	l	Insert
1010-E06	10	10	70	5	10	10	RCGT 0602M0
1212-F06	12	12	80	6	12	12	
1616-H06	16	16	100	8	16	12	
2525-M06	25	25	150	12.5	25	20	
1616-K08	16	16	100	8	16	16	RCGT 0602M0
2020-K08	20	20	125	10	20	20	
2525-M08	25	25	150	12.5	25	20	
1616-H10	16	16	100	8	16	25	RCGT 1003M0
2020-K10	20	20	125	10	20	25	
2525-M10	25	25	150	12.5	25	25	
2020-K12	20	20	125	10	20	28	RCGT 1204M0
2525-M12	25	25	150	12.5	25	28	



Boring Bar Code System(ISO)

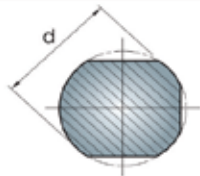
S 12 M - S T F P R - 11

1 2 3 4 5 6 7 8 9
Type of Bar Bar Diameter Bar Length Method of Mounting Insert Insert Shape Lead Angle of Boring Bar Relief Angle of Insert Hand of Bar Length of Cutting Edge

1 Type of Bar S 12 M - S T F P R - 11

- "A" Steel with coolant hole
- "E" Carbide bar with fixed steel head and coolant hole
- "C" Carbide shank
- "S" Steel shank
- "X" Special type

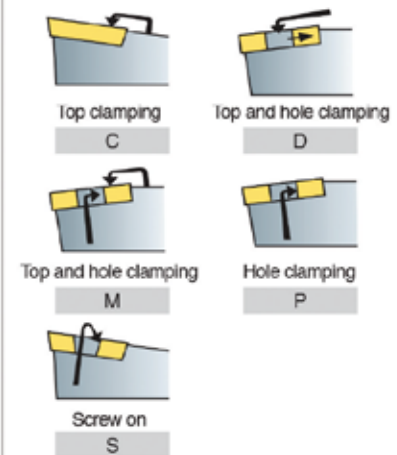
2 Bar Diameter S 12 M - S T F P R - 11



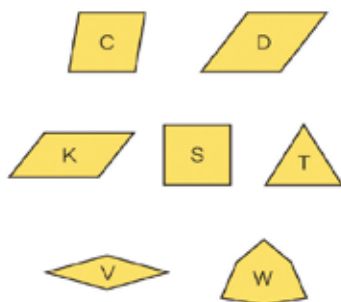
3 Bar Length S 12 M - S T F P R - 11

length(L) (mm)	
H	100
J	110
K	125
M	150
N	180
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
Y	500

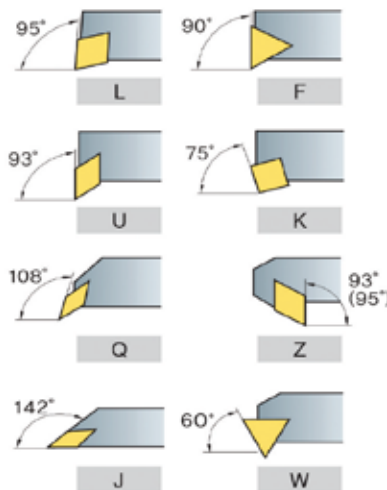
4 Method of Mounting Insert S 12 M - S T F P R - 11



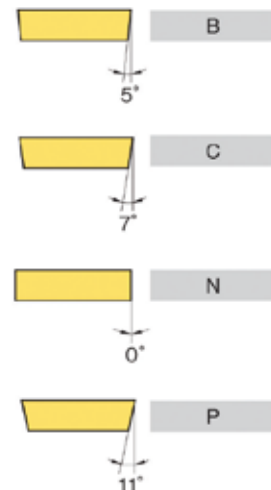
5 Insert Shape S 12 M - S T F P R - 11



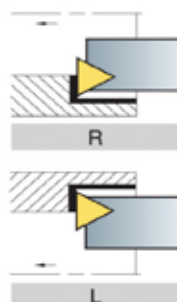
6 Lead Angle of Boring Bar S 12 M - S T F P R - 11



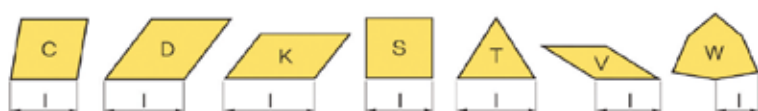
7 Relief Angle of Insert S 12 M - S T F P R - 11

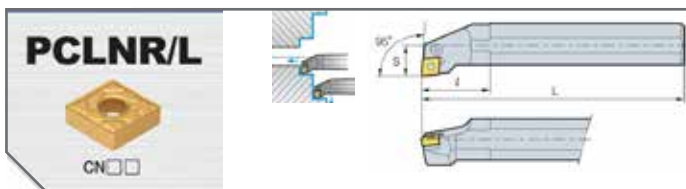


8 Hand of Bar S 12 M - S T F P R - 11

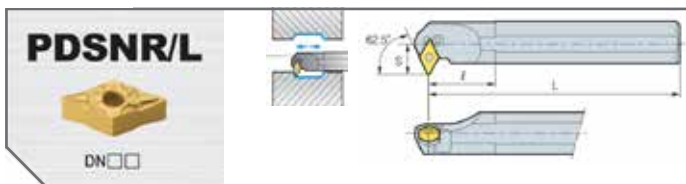


9 Length of Cutting Edge S 12 M - S T F P R - 11

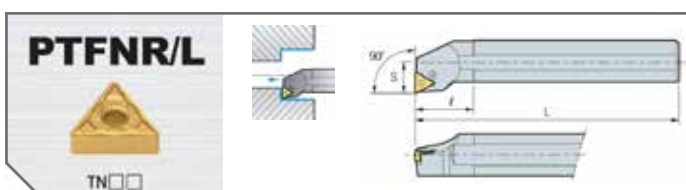




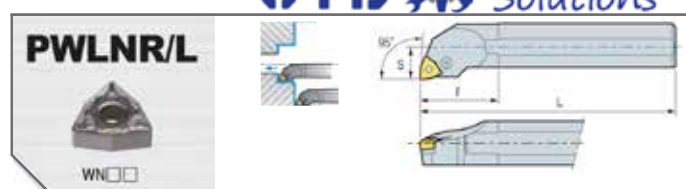
PCLNR/L	ØD	Ød	H	L	S	I	Insert
S16R-PCLNR/L-09	20	16	15	200	11	28	CN□□0903□□
S20S-PCLNR/L-09	25	20	18	250	13	32	
S25R-PCLNR/L-09	32	25	23	200	17	36	
S25R-PCLNR/L-12	32	25	100	200	17	40	CN□□1204□□
S32S-PCLNR/L-12	40	32	125	250	22	50	
S40T-PCLNR/L-12	50	40	150	300	27	55	
S50U-PCLNR/L-12	63	50	170	350	35	55	
S50U-PCLNR/L-19	70	50	170	350	35	60	CN□□1906□□



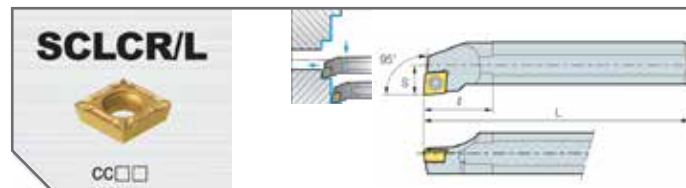
PDSNR/L	ØD	Ød	H	L	S	I	Insert
S32S-PDSNR/L-15	40	32	30	250	22	40	DN00150600
S40T-PDSNR/L-15	50	40	37	300	27	43	
S32S-PDSNR/L-15-3	40	32	30	450	22	36	DN00150400
S40T-PDSNR/L-15-3	50	40	37	300	27	43	
A32S-PDSNR/L-15	40	32	31	250	22	45	DN00150600
A32S-PDSNR/L-15-3	40	32	31	250	22	45	DN00150400



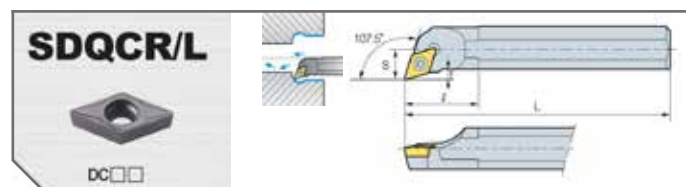
PTFNR/L	ØD	Ød	H	L	S	I	Insert
S16R-PTFNR/L-11	20	16	15	200	11	28	TN□□1103□□
S20S-PTFNR/L-11	25	20	18	250	13	33	
S25R-PTFNR/L-11	32	25	23	200	17	36	
S25R-PTFNR/L-16	32	25	23	200	17	42	TN□□1604□□
S32S-PTFNR/L-16	44	32	30	250	22	50	
S40T-PTFNR/L-16	54	40	37	300	27	55	
A25R-PTFNR/L-16	32	25	24	200	17	40	
A32S-PTFNR/L-16	40	32	31	250	22	50	



PSSNR/L	ØD	Ød	H	L	S	I	Insert
S20S-PWLNR/L-06	25	20	18	250	13	40	WN□□0604□□
S25R-PWLNR/L-06	32	25	23	200	17	40	
S32S-PWLNR/L-06	44	32	30	250	22	45	
S25R-PWLNR/L-08	32	25	23	200	17	45	WN□□0804□□
S32S-PWLNR/L-08	44	32	30	250	22	50	



SCLCR/L	ØD	Ød	H	L	S	I	Insert
S08K-SCLCR/L-06	10	8	7	125	5	14	CC□□0602□□
S10K-SCLCR/L-06	12	10	9	125	6	14	
S10M-SCLCR/L-06	12	10	9	150	6	14	
S12M-SCLCR/L-06	16	12	11	150	9	25	
S16R-SCLCR/L-06	20	16	15	200	11	32	CC□□09T3□□
S12M-SCLCR/L-09	16	12	11	150	9	25	
S16R-SCLCR/L-09	20	16	15	200	11	32.5	
S20S-SCLCR/L-09	25	20	18	250	13	38	
S25R-SCLCR/L-09	32	25	23	200	17	45	
S25R-SCLCR/L-12	32	25	23	200	17	45	CC□□1204□□
S32S-SCLCR/L-12	40	32	30	250	22	50	
S40T-SCLCR/L-12	50	40	37	300	27	60	

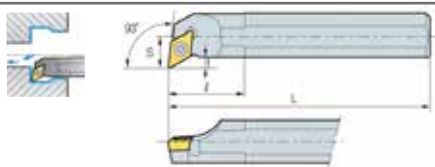


SDQCR/L	ØD	Ød	H	L	S	I	f	Insert
S10M-SDQCR/L-07	13	10	9	150	7	20	2.5	DC□□0702□□
S12M-SDQCR/L-07	16	12	11	150	9	22	3.5	
S16R-SDQCR/L-07	20	16	15	200	11	27	4	
S16R-SDQCR/L-11	20	16	15	200	11	32	4	DC□□11T3□□
S20S-SDQCR/L-11	25	20	18	250	13	32	4.5	
S25R-SDQCR/L-11	32	25	23	200	17	32	7	

SDUCR/L



DC□□

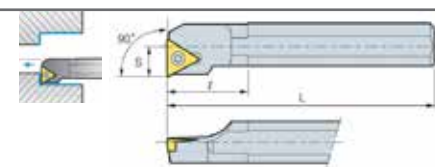


SDUCR/L	ØD	Ød	H	L	S	I	f	Insert
S10M-SDUCR/L-07	13	10	9	150	7	0	2.5	DC□□0702□□
S12M-SDUCR/L-07	16	12	11	150	9	22	3.5	
S16R-SDUCR/L-07	20	16	15	200	11	27	4	
S16R-SDUCR/L-11	20	16	15	200	11	27	4	DC□□11T3□□
S20S-SDUCR/L-11	25	20	18	250	13	40	4.3	
S25R-SDUCR/L-11	32	25	23	200	17	46	6.8	
S32S-SDUCR/L-11	40	32	30	250	22	50	8.4	

STFCR/L



TC□□

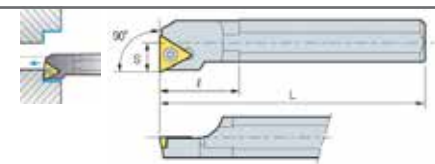


STFCR/L	ØD	Ød	H	L	S	I	Insert
S10M-STFCR/L-09	13	10	9	150	7	23	TC□□0902□□
S12M-STFCR/L-09	16	12	11	150	9	28	
S12M-STFCR/L-11	16	12	11	150	9	30	TC□□1102□□
S16R-STFCR/L-11	20	16	15	200	11	35	
S20S-STFCR/L-11	25	20	18	250	13	36	
S20S-STFCR/L-16	25	20	18	250	13	40	TC□□16T3□□
S25R-STFCR/L-16	32	25	23	200	17	49	
S32S-STFCR/L-16	40	32	30	250	22	50	
S40T-STFCR/L-16	50	40	40	300	27	60	

STFPR/L



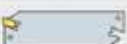
TP□□



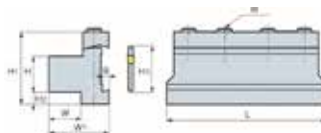
STFPR/L	ØD	Ød	H	L	S	I	Insert
S10M-STFPR/L-11	12	10	9	150	6	—	TP□□1103□□
S12M-STFPR/L-11	16	12	11	150	8	10	
S16N-STFPR/L-11	20	16	15	160	10	12	
S16R-STFPR/L-11	20	16	15	200	10	12	
S20N-STFPR/L-16	25	20	18	160	12.5	14	TP□□1604□□
S20S-STFPR/L-16	25	20	18	250	12.5	14	

SMBB

(Block)



SPB□□□(-S)



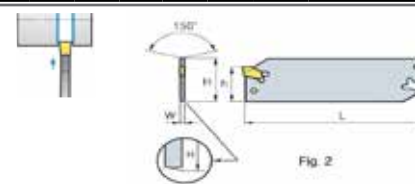
SMBB	H	W	H2	L	H1	H2	W1	B	M	Blades
1626	16	12	26	86	43	13	30	5.3	3-M6	SPB□□□(-S)
2026	20	19	26	86	43	9	38	5.3	3-M6	
2032	20	19	32	100	50	13	38	5.3	3-M6	SPB□□□(-S)
2526	25	23	26	86	43	4	42	5.3	3-M6	SPB□□□(-S)
2532	25	23	32	110	50	8	42	5.3	3-M6	SPB□□□(-S)
3232	32	30	32	110	54	5	48	5.3	3-M6	

SPB/SPB-S

(Blades)



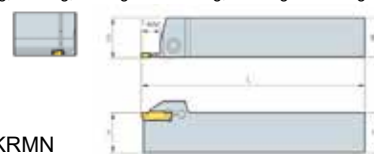
SP



SPB	H	W	L	h	Insert
226	26	1.6	110	21	SP200, 200R/L
326	26	2.4	110	21	SP300, 300R/L
426	26	3.2	110	21	SP400, 400R/L
526	26	4.0	110	21	SP500, 500R/L
626	26	5.2	110	21	SP600, 600R/L
232	32	1.6	150	25	SP200, 200R/L
332	32	2.4	150	25	SP300, 300R/L
432	32	3.2	150	25	SP400, 400R/L
532	32	4.0	150	25	SP500, 500R/L
632	32	5.2	150	25	SP600, 600R/L

KGEHR/L

For grooving, Turning, Parting off, Relieving, Profiling machining

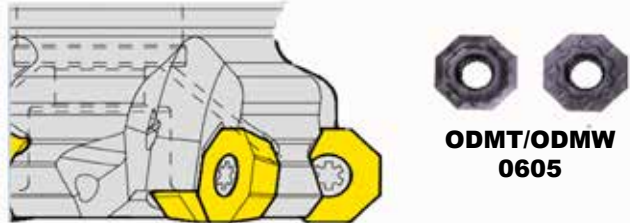


KGGN/KGMN/KGMR/KRMN

KGEHR/L	H=(h)	W	L	S	T-MAX	Insert
2020-2-T17	20	20	150	25.2	17	KGMN200-□-□
2525-2-T17	25	25	150	25.2	17	
2020-3-T20	20	20	150	25.4	20	KGGN300-□ KGMN300-□-□ KGMN300-6□-□ KRMN300-□
2525-3-T00	25	25	150	25.4	4.8	
2525-3-T20	25	25	150	25.4	20	
2020-4-T20	20	20	150	25.4	20	KGMN400-□-□ KRMN400-□
2525-4-T00	25	25	150	25.4	4.8	
2525-4-T20	25	25	150	25.4	20	KGMN500-□-□
2525-5-T20	25	25	150	25.4	20	
2525-6-T20	25	25	150	25.4	20	KGMN600-□-□
2525-8-T25	25	25	150	25.4	25	KGMN800-□-□

MILLING CUTTERS OVERVIEW

FACE MILLING POSITIVE OCTAGONAL

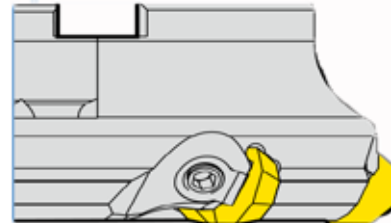


APMX
DC



**ODMT/ODMW
0605**

3.5
Ø63~125

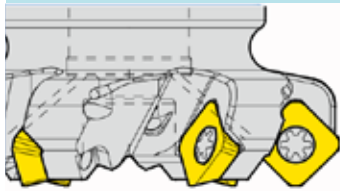


**OFER
0704**

5
Ø63~160

POSITIVE SQUARE

ISO



APMX
DC



**SEKT
1204**

6
Ø40~160



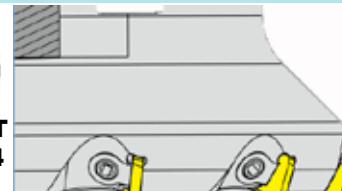
**SEKT
12T3**

6
Ø50~160



**SEGT
1204**

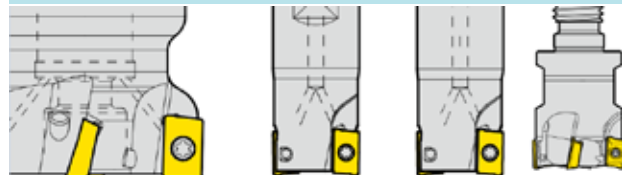
6
Ø50~160



**SPKN/SPKR/SPCN
1203**

6
Ø50~160

SHOULDER MILLING 2 CORNER POSITIVE



APMX
DC



**APKT
1003**

9
Ø16~100

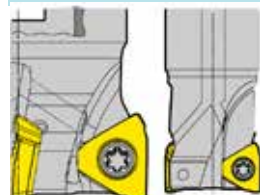


**APKT
1604**

14
Ø25~200

3 CORNER POSITIVE

ISO



APMX
DC



TPKT1104

7
Ø20~63



TPKT1605

11
Ø32~200



**TPKN/TPKR
/TPCN
1603**

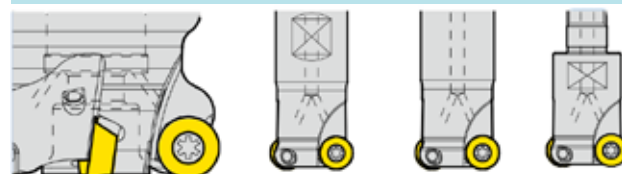
12
Ø50~125



**TPKN/TPKR
/TPCN
1603**

18
Ø63~315

SHOULDER MILLING ROUND POSITIVE



APMX
DC



0802

4
Ø16~25



**TDKT/TDKW
10T3**

5
Ø20~63



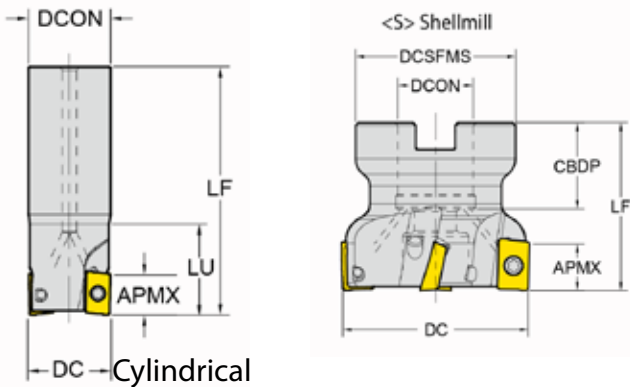
1204

6
Ø25~100



Shoulder Milling

Cutting Angle : 90° 2 Corner Positive **APKT 1003**



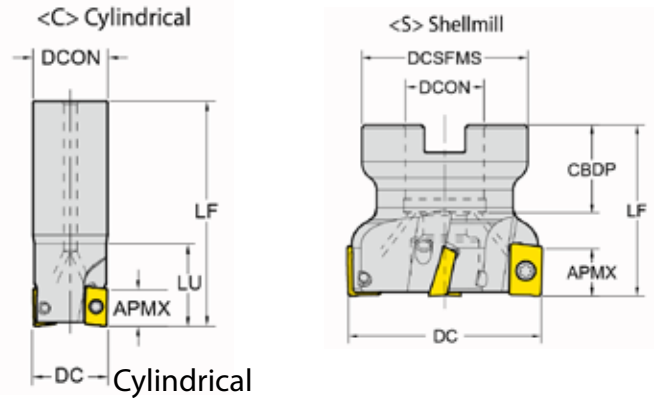
Designation APKT 1003	DC	NO. INSERTS	LU	LF	DCON
E90 - D16Z2C16 - L100	16	2	40	100	16
E90 - D16Z2C16 - L120	16	2	30	120	16
E90 - D16Z2C16 - L150	16	2	40	150	16
E90 - D16Z2C16 - L200	16	2	100	200	16
E90 - D20Z2C20 - L250	20	2	150	250	20
E90 - D20Z3C20 - L100	20	3	30	100	20
E90 - D20Z3C20 - L120	20	3	40	120	20
E90 - D20Z3C20 - L150	20	3	50	150	20
E90 - D20Z3C20 - L200	20	3	100	200	20
E90 - D25Z3C25 - L100	25	3	30	100	25
E90 - D25Z3C25 - L120	25	3	40	120	25
E90 - D30Z4C25 - L100	30	4	30	100	25
E90 - D30Z4C25 - L120	30	4	30	120	25
E90 - D32Z4C25 - L100	32	4	35	100	25
E90 - D32Z4C25 - L150	32	4	35	150	25

Shellmill

Designation APKT10	DC	NO. INSERTS	LF	DCON /TDZ	CBDP	DCSFMS
F90 - D40Z4S16	40	4	40	16	18	34
F90 - D40Z5S16	40	5	40	16	20	36
F90 - D50Z6S22	50	6	40	22	22	42
F90 - D50Z7S22	50	7	40	22	20	42
F90 - D63Z7S22	63	7	40	22	22	48
F90 - D80Z8S27	80	8	50	27	25	58
F90 - D100Z9S32	100	9	50	32	26	65

Shoulder Milling

Cutting Angle : 90° 2 Corner Positive **APKT 1604**



Designation APKT16	DC	NO. INSERTS	LU	LF	DCON
E90 - D25Z2C20 - L100	25	2	-	100	16
E90 - D25Z2C20 - L100 - WOC	25	2	35	100	16
E90 - D25Z2C25 - L250 - WOC	25	2	100	250	16
E90 - D32Z2C32 - L250 - WOC	32	2	100	250	16
E90 - D32Z3C25 - L110	32	3	-	110	20
E90 - D32Z3C25 - L200	32	3	40	200	20
E90 - D32Z3C32 - L150 - WOC	32	3	50	150	20
E90 - D32Z3C32 - L250 - WOC	32	3	100	250	20
E90 - D40Z4C32 - L150 - WOC	40	4	40	150	20

Shellmill

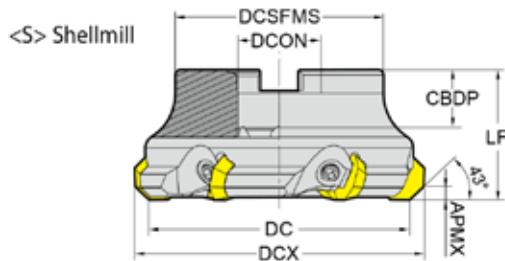
Designation APKT16	DC	NO. INSERTS	LF	DCON /TDZ	CBDP	DCSFMS
F90 - D40Z4S16	40	4	40	16	20	36
F90 - D50Z5S22	50	5	40	22	20	45
F90 - D52Z5S22	52	5	40	22	22	42
F90 - D63Z6S22	63	6	40	22	20	50
F90 - D80Z7S27	80	7	50	27	23	56
F90 - D100Z8S32	100	8	50	32	26	65
F90 - D125Z9S40 - WOC	125	9	63	40	32	80
F90 - D160Z10S40 - WOC	160	10	63	40	32	110
F90 - D200Z12S60 - WOC	200	12	63	60	40	130



Milling - Face Milling - Cutter

Cutting Angle : 43°
8 Corner Positive

OFER 0704



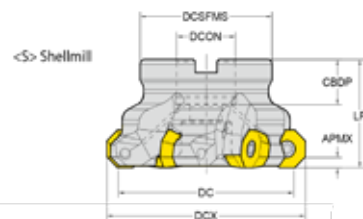
CBDP : Connection Bore Depth

Designation OFER07	DC	DCX	CICT	LF	DCON	CBDP	DCSFMS
F43-D63Z4S22-WOC	65	75	4	45	22	22	48
F43-D80Z5S27-WOC	82	92	5	50	27	25	58
F43-D100Z6S32-WOC	102	112	6	50	32	26	80
F43-D125Z8S40-WOC	127	137	8	63	40	32	85
F43-D160Z9S40-WOC	162	172	9	63	40	32	110

Face Milling - Cutter

Cutting Angle : 43°
8 Corner Positive

ODMT 0605

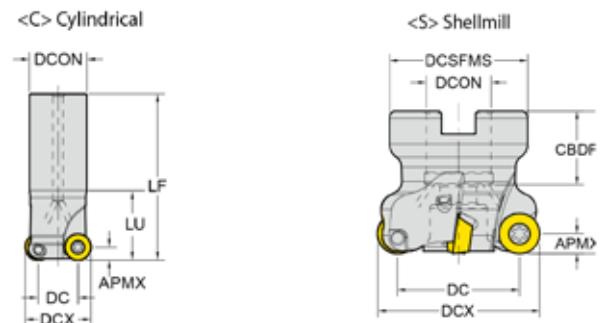


Designation ODMT06	DC	DCX	NO. INSERTS	LF	DCON	CBDP	DCSFMS
F43-D63Z5S22	63	73	5	40	22	20	50
F43-D80Z6S27	80	90	6	50	27	23	56
F43-D100Z7S32	100	100	7	50	32	26	78
F43-D125Z8S40	125	135	8	63	40	28	89

Milling - Profiling - Cutter

Round Positive

**RDKT0802
&
RDKT10T3**



CBDP : Connection Bore Depth

Designation RDKT0802	DC	DCX	CICT	LF	DCON /TDZ
E-D16Z2C16-L160	8	16	2	160	22
E-D20Z2C20-L180	12	20	2	180	27
E-D25Z3C20-L180	17	25	3	180	32

Cylindrical

CBDP : Connection Bore Depth

Designation RDKT10 Cylindrical	DC	DCX	CICT	LU	LF	DCON /TDZ
E-D20Z2C20-L150-WOC	10	20	2	60	150	20
E-D20Z2C20-L180	10	20	2	-	180	20
E-D25Z2C25-L150-WOC	15	25	2	60	150	25
E-D25Z2C25-L180	15	25	2	-	180	25

Shellmill

Designation RDKT10 Shellmill	DC	DCX	CICT	LF	DCON /TDZ	CBDP	DCSFMS
F-D40Z5S16	30	40	5	40	16	18	34
F-D50Z5S22	40	50	5	50	22	22	42
F-D50Z6S22	40	50	6	50	22	22	42
F-D63Z6S22	53	63	6	50	22	22	48

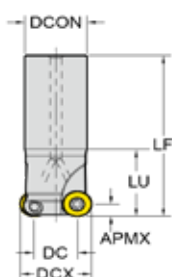


Milling - Profiling - Cutter

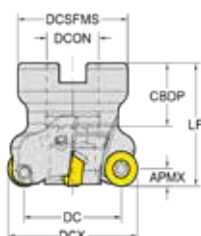
Round Positive

RDKT1204

<C> Cylindrical



<S> Shellmill



Cylindrical

CBDP : Connection Bore Depth

Designation RDKT12 Cylindrical	DC	DCX	CICT	LU	LF	DCON /TDZ
E-D25Z2C25-L180	13	25	2	80	180	25
E-D32Z2C32-L200	20	32	2	60	200	32
E-D32Z3C32-L160	20	32	3	60	160	32
E-D32Z3C32-L160-WOC	20	32	3	70	160	32
E-D33Z3C32-L160-WOC	21	33	3	70	160	32

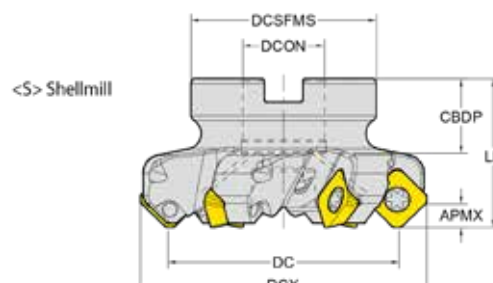
Shellmill

Designation RDKT12 Shellmill	DC	DCX	CICT	LF	DCON /TDZ	CBDP	DCSFMS
F-D40Z4S16	28	40	4	40	16	18	32
F-D50Z5S22	38	50	5	50	22	20	40
F-D52Z5S22	40	52	5	50	22	22	42
F-D63Z6S22	51	63	6	50	22	20	48
F-D80Z7S27	68	80	7	50	27	25	58
F-D100Z7S32	88	100	7	50	32	26	65
F-D100Z8S32	88	100	8	50	32	26	65

Milling - Face Milling - Cutter

Round Positive

SEKT12T3



CBDP : Connection Bore Depth

Designation SEKT12T3	DC	DCX	CICT	LF	DCON	CBDP	DCSFMS
F45-D50Z4S22	50	64	4	40	22	22	48
F45-D63Z5S22	63	77	5	40	22	22	48
F45-D80Z6S27	80	94	6	50	27	25	58
F45-D100Z7S32	100	114	7	50	32	26	65
F45-D125Z8S40-WOC	125	139	8	63	40	32	85
F45-D160Z10S40-WOC	160	174	10	63	40	32	110

SEKT1204

CBDP : Connection Bore Depth

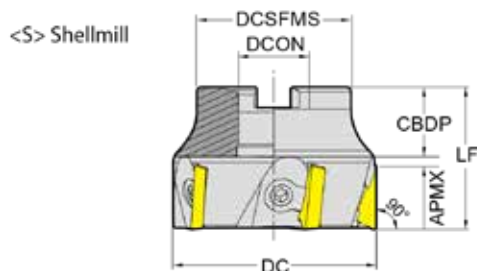
Designation SEKT12	DC	DCX	CICT	LF	DCON	CBDP	DCSFMS
F45-D40Z4S16	40	54	4	40	16	18	32
F45-D50Z5S22	50	64	5	40	22	20	48
F45-D63Z4S22	63	77	4	40	22	20	50
F45-D63Z6S22	63	77	6	40	22	20	50
F45-D80Z4S27	80	94	4	50	27	22	56
F45-D80Z7S27	80	94	7	50	27	22	56
F45-D100Z8S32	100	114	8	50	32	25	78
F45-D125Z10S40	125	139	10	63	40	29	90
F45-D160Z12S40	160	174	12	63	40	30	114



Milling - Shoulder Milling - Cutter

Cutting Angle: 45°
4 Corner Positive ISO

TPKN1603



CBDP : Connection Bore Depth

Designation TPKN16	DC	CICT	LF	DCON	CBDP	DCSFMS
F90 - D50Z4S22 - WOC	50	4	40	22	22	42
F90 - D63Z6S22 - WOC	63	6	45	22	22	48
F90 - D80Z7S27 - WOC	80	7	50	27	25	58
F90 - D125Z8S40 - WOC	100	8	60	40	26	80

TPKN2204

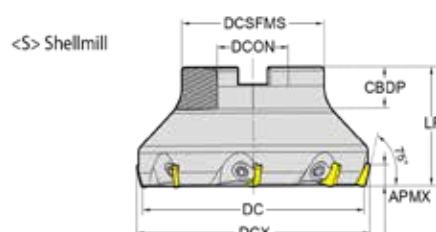
CBDP : Connection Bore Depth

Designation TPKN22	DC	CICT	LF	DCON	CBDP	DCSFMS	PCD	
							1	2
F90 - D63Z5S22 - WOC	63	5	45	22	22	48	-	-
F90 - D80Z6S27 - WOC	80	6	50	27	25	58	-	-
F90 - D100Z7S32 - WOC	100	7	50	32	26	65	-	-
F90 - D125Z8S40 - WOC	125	8	63	40	32	80	-	-
F90 - D160Z9S40 - WOC	160	9	63	40	32	110	66.7	-
F90 - D200Z12S60 - WOC	200	12	63	60	40	130	101.6	-
F90 - D250Z15S60 - WOC	250	15	63	60	40	160	101.6	-
F90 - D315Z18S60 - WOC	315	18	63	60	40	220	101.6	177.8

Milling - Face Milling - Cutter

Cutting Angle: 75°
4 Corner Positive ISO

SPKN1203

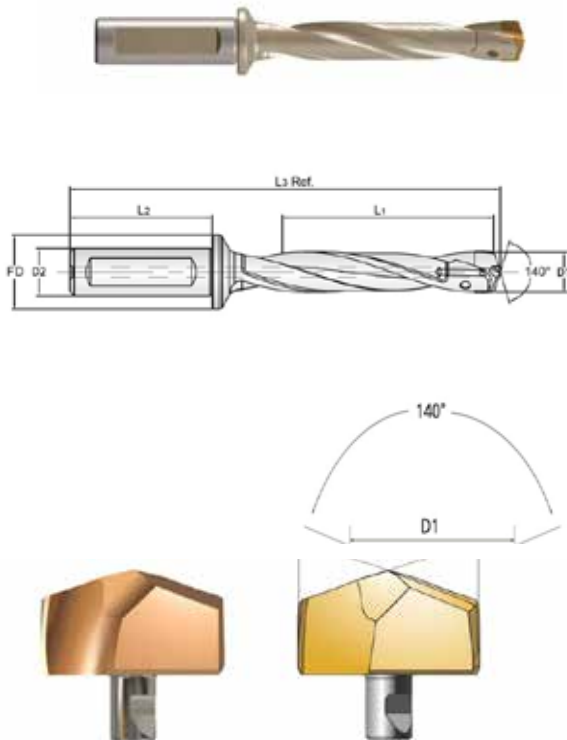


CBDP : Connection Bore Depth

Designation SPKN12	DC	DCX	CICT	LF	DCON	CBDP	DCSFMS
F75 - D50Z4S22 - WOC	50	56	4	42	22	22	42
F75 - D63Z5S22 - WOC	63	69	5	40	22	22	48
F75 - D80Z6S27 - WOC	80	80	6	50	27	25	58
F75 - D100Z7S32 - WOC	100	100	7	50	32	26	65
F75 - D125Z8S40 - WOC	125	125	8	63	40	32	80
F75 - D160Z9S40 - WOC	160	160	9	63	40	32	110
F75 - D200Z12S60 - WOC	200	200	12	63	60	40	130

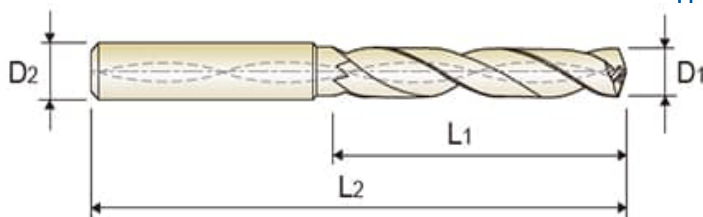


YG i-ONE DRILL HOLDER



DREAM DRILLS-PRO

Dream Drill Pro length 3XDiameter
From 3 - 20mm Diameter
with Coolant Hole Slot DIN 6537(Z-Coating)
For general purpose(HRC 30 to HRC 50)
Extremely high hardness & heat resistance
Due to YG1 special Z coating technology



Feature :

- Applications

For carbon steels, alloy steels and cast iron
 Holder length: 3xD, 5xD, 8xD

- Benefits

Secure and quick clamping system

High performance with cost efficiency

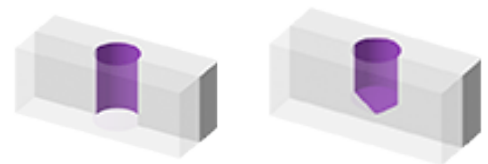
Multi-layered coating delivers outstanding productivity and reliability.

From 10mm - 22mm available



For more info. go to : YG1 i-ONEDRILLS

Feature



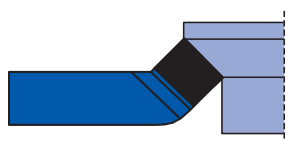
For more info. go to : YG1 DREAM DRILLS

JTB Brazed STRAIGHT TURNING TOOL



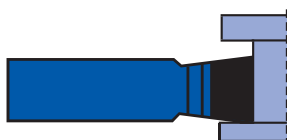
Stock code	Hand	Shank mm	OAL mm	Carbide grade
ISO1 10X10P25	L/R	10X10	90	P25 or K20
ISO1 12X12P25	L/R	12x12	100	P25 or K20
ISO1 16X16P25	L/R	16x16	110	P25 or K20
ISO1 20X20P25	L/R	20x20	125	P25 or K20
ISO1 25X25P25	L/R	25x25	140	P25 or K20

JTB Brazed CRANKED TURNING TOOL



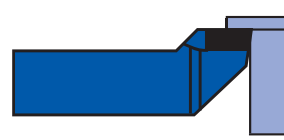
Stock code	Hand	Shank mm	OAL mm	Carbide grade
ISO2 10X10	L/R	10X10	90	P25 or K20
ISO2 12X12	L/R	12X12	100	P25 or K20
ISO2 16X16	L/R	16X16	110	P25 or K20
ISO2 20X20	L/R	20X20	125	P25 or K20
ISO2 25X25	L/R	25X25	140	P25 or K20
ISO2 32X32	L/R	32X32	170	P25 or K20

JTB Brazed RECESSING TOOL



Stock code	Shank mm	OAL mm	Carbide grade
ISO410X10	10X10	90	P25 or K20
ISO412X12	12X12	100	P25 or K20
ISO416X16	16X16	110	P25 or K20
ISO420X20	20X20	125	P25 or K20
ISO425X25	25X25	140	P25 or K20

JTB Brazed CRANKED KNIFE TOOL



Stock code	Hand	Shank mm	OAL mm	Carbide grade
ISO6 8X8	L/R	8x8	70	P25 or K20
ISO6 10X10	L/R	10X10	90	P25 or K20
ISO6 12X12	L/R	12X12	100	P25 or K20
ISO6 16X16	L/R	16X16	110	P25 or K20
ISO6 20X20	L/R	20X20	125	P25 or K20
ISO6 25X25	L/R	25X25	140	P25 or K20

JTB Brazed PARTING TOOL



Stock code	Hand	Shank mm	OAL mm	Carbide grade
ISO7 10X10	L/R	10X10	90	P25 or K20
ISO7 12X12	L/R	12X12	100	P25 or K20
ISO7 16X16	L/R	16X16	110	P25 or K20
ISO7 20X20	L/R	20X20	125	P25 or K20
ISO7 25X16	L/R	25X16	140	P25 or K20
ISO7 25X25	L/R	25X25	140	P25 or K20

JTB Brazed INTERNAL BORING TOOL



Stock code	Hand	Shank mm	OAL mm	Carbide grade
ISO9 10X10	L/R	10X10	150	P25 or k20
ISO9 12X12	L/R	12X12	180	P25 or K20
ISO9 16X16	L/R	16X16	210	P25 or k20
ISO9 20X20	L/R	20X20	250	P25 or k20
ISO9 25X25	L/R	25X25	300	P25 or k20
ISO9 32X32	L/R	32X32	355	P25 or k20



Stock code	Shank mm	OAL mm	Carbide grade
ISO1016X10	16X10	110	P25 or K20
ISO1020X12	20X12	125	P25 or K20
ISO1025X16	25X16	140	P25 or K20



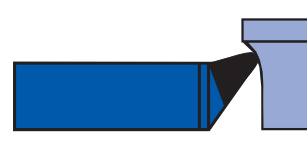
Stock code	Width of insert mm	Shank mm	OAL mm	Carbide grade
ISO11R10X10P20	3	10X10	125	P20
ISO11R12X12P20	4	12X12	125	P20
ISO11R16X16P20	5	16X16	140	P20
ISO11R20X20P20	6	20X20	160	P20
ISO11R25X25P20	8	25X25	200	P20



Stock code	Thread Angle Ø	Shank mm	OAL mm	Carbide grade
ISO13RH5520X12P25	55°	20x12	125	P25 or K20
ISO13RH5525X16P25	55°	25x16	140	P25 or K20
ISO13RH6020X12P25	60°	20x12	125	P25 or K20
ISO13RH6025X16P25	60°	25x16	140	P25 or K20



Stock code	Thread Angle Ø	Shank mm	OAL mm	Carbide grade
ISO14RH5510X10P25	55°	10X10	125	P25 or K20
ISO14RH5512X12P25	55°	12X12	150	P25 or K20
ISO14RH5516X16P25	55°	16X16	180	P25 or K20
ISO14RH5520X20P25	55°	20X20	210	P25 or K20
ISO14RH6010X10P25	60°	10X10	250	P25 or K20
ISO14RH6012X12P25	60°	12X12	150	P25 or K20
ISO14RH6016X16P25	60°	16X16	180	P25 or K20
ISO14RH6020X20P25	60°	20X20	210	P25 or K20



Stock code	Hand	Shank mm	OAL mm	Carbide grade
A4 12X12	L/R	12X12	100	P25 or K20
A5 16X16	L/R	16X16	110	P25 or K20
A6 20X20	L/R	20X20	125	P25 or K20
A8 25X25	L/R	25X25	140	P25 or K20



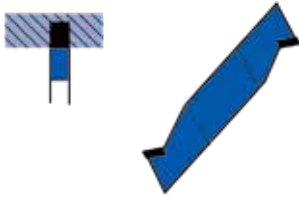
Stock code	Shank mm	OAL mm	Carbide grade
C310X10P25	10X10	90	P25
C412X12P25	12X12	100	P25
C516X16P25	16X16	110	P25
C620X20P25	20X20	125	P25
C825X25K20	25X25	140	K20
C825X25P25	25X25	140	P25



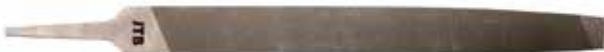
Stock code	Shank mm	OAL mm	Carbide grade
F3W10X10P25	10X10	90	P25
F4W12X12P25	12X12	100	P25



Stock code	Hand	Shank mm	OAL mm	Carbide grade
G2 8X8	L/R	8X8	70	P25 or K20
G3 10X10	L/R	10X10	90	P25 or K20
G4 12X12	L/R	12X12	100	P25 or K20
G5 16X16	L/R	16X16	110	P25 or K20
G6 20X20	L/R	20X20	125	P25 or K20
G8 25X25	L/R	25X25	140	P25 or K20

TANGENTIAL PARTING BLADE


Stock code	Blade size mm	OAL mm	Carbide grade
TPB3	3X25.4	170	P25

JTB FLAT FILE


Stock code	Size mm	Cut
FLAT1501	150	Bastard
FLAT1502	150	2nd Cut
FLAT1503	150	Fine
FLAT2001	200	Bastard
FLAT2002	200	2nd Cut
FLAT2003	200	Fine
FLAT2501	250	Bastard
FLAT2502	250	2nd Cut
FLAT2503	250	Fine
FLAT3001	300	Bastard
FLAT3002	300	2nd Cut
FLAT3003	300	Fine

JTB HALF ROUND FILE


Stock code	Size mm	Cut
HR1501	150	Bastard
HR1502	150	2nd Cut
HR1503	150	Fine
HR2001	200	Bastard
HR2002	200	2nd Cut
HR2003	200	Fine
HR2501	250	Bastard
HR2502	250	2nd Cut
HR2503	250	Fine
HR3001	300	Bastard
HR3002	300	2nd Cut
HR3003	300	Fine

JTB ROUND FILE


Stock code	Size mm	Cut
RND1501	150	Bastard
RND1502	150	2nd Cut
RND1503	150	Fine
RND2001	200	Bastard
RND2002	200	2nd Cut
RND2003	200	Fine
RND2501	250	Bastard

JTB ENGINEERS FILES
ROUND FILE


Stock code	Size mm	Cut
RND2502	250	2nd Cut
RND2503	250	Fine
RND3001	300	Bastard
RND3002	300	2nd
RND3003	300	Fine

JTB SQUARE FILE



Stock code	Size mm	Cut
SQ1501	150	Bastard
SQ1502	150	2nd Cut
SQ1503	150	Fine
SQ2001	200	Bastard
SQ2002	200	2nd Cut
SQ2003	200	Fine
SQ2501	250	Bastard
SQ2502	250	2nd Cut
SQ2503	250	Fine
SQ3001	300	Bastard
SQ3002	300	2nd Cut
SQ3003	300	Fine

JTB TRIANGLE FILE



Stock code	Size mm	Cut
TRI1501	150	Bastard
TRI1502	150	2nd Cut
TRI1503	150	Fine
TRI2001	200	Bastard
TRI2002	200	2nd Cut
TRI2003	200	Fine
TRI2501	250	Bastard
TRI2502	250	2nd Cut
TRI2503	250	Fine
TRI3001	300	Bastard
TRI3002	300	2nd Cut
TRI3003	300	Fine

JTB RECTANGULAR TOOLBITS HSS



Stock code	Width mm	Height mm	Length mm
RCT10X6X200	10	6	200
RCT12X6X160	12	6	160
RCT12X6X200	12	6	200
RCT20X10X160	20	6	200
RCT20X10X200	20	10	160
RCT20X6X200	20	10	200

JTB ROUND TOOLBITS HSS



Stock code	Ø mm	Length mm
RTB4X80	4	80
RTB4X100	4	100
RTB5X100	5	100
RTB6X63	6	63
RTB6X100	6	100
RTB6X80	6	80
RTB6X160	6	160
RTB8X63	8	63
RTB8X80	8	80
RTB8X100	8	100
RTB8X160	8	160
RTB8X200	8	200
RTB10X63	10	63
RTB10X80	10	80
RTB10X100	10	100
RTB10X200	10	100
RTB12X100	12	100
RTB12X160	12	160
RTB12X200	12	200
RTB16X100	16	100
RTB16X160	16	160
RTB16X200	16	200
RTB20X160	20	160

JTB SQUARE TOOLBITS HSS



Stock code	A/F mm	Length mm
STB4X63	4	863
STB4X100	4	100
STB5X63	5	6
STB5X80	5	80
STB5X100	5	100
STB6X63	6	63
STB6X80	6	80
STB6X100	6	100
STB6X160	6	160
STB6X200	6	200

cont..

JTB SQUARE TOOLBITS HSS



Stock code	A/F mm	Length mm
STB8X63	8	63
STB8X80	8	80
STB8X100	8	100
STB8X160	8	160
STB8X200	8	200
STB10X63	10	63
STB10X80	10	80
STB10X100	10	100
STB10X160	10	160
STB10X200	10	200
STB12X63	12	63
STB12X80	12	80
STB12X100	12	100
STB12X160	12	160
STB12X200	12	200
STB14X200	14	200
STB16X100	16	100
STB16X200	16	200
STB16X160	16	160
STB20X160	20	160
STB20X200	20	200
STB25X200	25	200

JTB DIAMOND DRESSERS SINGLE POINT



Stock code	Carat	OAL mm
DD0.25	0.25	100
DD0.35	0.35	100
DD0.5	0.05	100
DD0.75	0.75	100
DD1.0	1	100
DD1.5	1.5	100
DD2	2	100
DD3	3	100

PARTING TOOL HOLDER

Blade not included

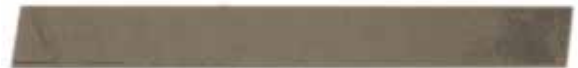
JTB



Stock code	Blade size	Width	Height
SCH32A	12x2.5	8	19
SCH32B	16x3	9.5	22
SCH32C	20x4	13	28
SCH32E	25x4.8	19	40

JTB

PARTING BLADE HSS



Stock code	Height	Width	Length
PB12	12	2.5	100
PB16	16	3	130
PB20	20	4	150
PB25	25	4	150

JTB

BORING BAR FOR HSS TOOLBITS

Supplied without toolbits



Stock code	Toolbit size mm	Bar Ø	Bar length	Holder size mm
SBB34A	3	9.5	114	12.7
SBB34B	4.7	11	133	16
SBB34C	6.3	14.3	171	19
SBB34D	8	19	228	25.4
SBB34E	9.5	23.8	292	32
SBB34F	12.7	33.3	394	44



STRAIGHT DISPOSABLE KNURLING TOOL HOLDER

Knurl included



Stock code	Size of Holder
SKH35A	12X12X100



DOUBLE WHEEL KNURL HOLDER

Knurl included



Stock code	Size of Holder mm	Knurl wheel size mm
SKH8144	12X12X100	19X9.5X6.4



DOUBLE WHEEL KNURL HOLDER SWIVEL

Knurl included



Stock code	Size of Holder mm	Knurl wheel size mm
SKH35E	16X35X190	19X9.5X6.4



KNURLS HSS

for above holders



Size : 19x9.5x6.4

Stock code	Knurls
SSK37BFR	Fine Right
SSK37BMR	Medium Right
SSK37BCR	Coarse Right
SSK37BFL	Fine Left
SSK37BML	Medium Left
SSK37BCL	Coarse Left

KNURLING HOLDERS

Knurls NOT included



Stock code	Description	Size of holder mm
DVR20-8	8 STATION SWIVEL HOLDER	25X30X205
DVR20A-8	8 STATION SWIVEL HOLDER	20X32X200
DVR20-2	2 STATION HOLDER	25x25x180
DVR20-1	SINGLE KNURL HOLDER	20x20x150

KNURLS HSS

for above holders



Size : 20x6x10

Pitch	Straight	Right	Left
0.6	232.065	232.058	232.041
0.8	232.096	232.089	232.072
1	232.126	232.119	232.102
1.2	232.157	232.140	232.133
1.6	232.188	232.171	232.164
2	232.218	232.201	232.195

BI METAL BANDSAW BLADING M42



Stock code	Description	Width mm	Pitch
BSM13	M42	13	4/6,10/14
BSM19	M42	19	6/10,8/12,10/14
BSM27	M42	27	2/3,3/4,4/6,5/8 6/10,8/12,10/14
BSM34	M42	34	2/3,3/4,4/6,5/8 6/10
BSM41	M42	41	1.4/2,2/3,3/4,4/6 5/8
BSM54	M42	54	1.4/2,2/3,3/4,4/6
BSM67	M42	67	1.4/2,2/3,3/4



HAND HACKSAW BLADES



Stock code	Description	Unit of Pack
HB18	Bulk pack 18TPI	100
HB24	Bulk pack 24TPI	100
HB32	Bulk pack 32TPI	100
HWB182	2 wallet 18TPI	10
HWB242	2 blade wallet 24TPI	10

cont..



HAND HACKSAW BLADES



Stock code	Description	Unit of Pack
------------	-------------	--------------

HWB322	2 blade wallet 32TPI	10
HWB03M18	3 blade wallet 18TPI	10
HWB03M24	3 blade wallet 24TPI	10
HWB03M32	3 blade wallet 32TPI	10

Shatterproof Blade

HS18	Bulk pack 18TPI	100
HS24	Bulk pack 24TPI	100
Hs32	Bulk pack 32TPI	100
HWS182	2 blade wallet 18TPI	10
HWS242	2 blade wallet 24TPI	10
HWS322	2 blade wallet 32TPI	10
HWS03M18-1	3 blade wallet 18TPI	10
HWS03M24-1	3 blade wallet 24TPI	10
HWS03M32-1	3 blade wallet 32TPI	10

Carbon Steel Alloy Blade

HL18	Bulk pack 18TPI	100
HL24	Bulk pack 24TPI	100
HL32	Bulk pack 32TPI	100
HWA182	2 blade wallet 18TPI	10
HWA242	2 blade wallet 24TPI	10
HWA322	2 blade wallet 32TPI	10
HWA03M18	3 blade wallet 18TPI	10
HWA03M24	3 blade wallet 24TPI	10
HWA03M32	3 blade wallet 32TPI	10
HD00	Double Edge Hacksaw bld (24TPI)	50
HWD001	1 Blade Wallet (24TPI)	1

All Hard Blade

HA18	Bulk pack 18TPI	100
HA24	Bulk pack 24TPI	100
HA32	Bulk pack 32TPI	100



HAND HACKSAW FRAME



Stock code	Description	Length x Height mm
F300	Eclipse 20T Hacksaw	465x130
JSF	Junior Saw Frame	260x67



DEBURRING TOOLS



Stock code	Description
NG1000	NG1 Handle Only
NG1003	NOGA Burr with 3 Blades S10,S20,S35
NG1005	NOGA Burr with 5 Blades S10,S20,S35,S101&S202
BS1010	Heavy Duty Blade Steel
BS2010	Heavy Duty for Brass and Cast Iron
BS3010	Removes External and Internal Burrs



UNI HANDLE



Stock code	Description
NG3000	Handle Fits All Extension Holders



RAPID BURR



Stock code	Description
RB1000	Rapid Burr Aluminium Handle S10 Blade



DISPOSABLE BURR



Stock code	Description
EO1000	Disposable Burr with S10 Blade



COUNTERSINK WITH HANDLE



Stock code	Description
NG3100	Uni Handle with 20mm Countersink
CH3000	Holder for Countersinks



COUNTERSINKS FOR ABOVE



Stock code	Size mm
BC1211	1-12
BC2011	3-20
BC3011	3-30



ROTO DRIVE COUNTERSINK



Stock code	Description
NG1200	Roto Drive Countersink with 10,4mm Countersink



ROTO COUNTERSINK FOR ABOVE



Stock code	Size mm
BC6301	1-6.3
BC8301	1-8.3
BC1041	1-10.4
BC1651	1-16.5



ROTO DRIVE COUNTERSINK



Stock code	Description
NG3400	Roto Drive Countersink with 20mm Countersink



ROTO DRIVE HOLDER FOR ABOVE



Stock code	Description
EL0802	Cranked Holder to Hold Countersink C12,C20 and C30



REVERSABLE COUNTERSINK



Stock code	Description
RC1000	3-5.5mm
RC2000	5-10mm
RC2200	10-22mm



BLADES FOR REVERSIBLE COUNTERSINK



Stock code	Description
BR1001	3-5.5mm
BR2001	5-10mm
BR3001	10-22mm



MINI SCRAPER



Stock code	Description
NG3700	Mini Scraper
BD5010	D50 Scraper for blade for above
ELO5003	Blade Holder for D50 Blades



ADJUSTABLE SCRAPER



Stock code	Description
SC8000	Adjustable Scraper
BT8001	T80 Scraper Blade for above Scraper



INTERNAL SCRAPER



Stock code	Description
NG3710	Deburring the back of a hole
ELO5003	D Holder for BD6610 Blade
BD6610	Blade for above



DOUBLE BURR



Stock code	Description
DB1000	Double Burr for Sheet Metal
BN8010	N80 Blade for for Double Burr



ECONOMY SET



Stock code	Description
	NG1000 Handle and 20 BS1010 Blades



UNIVERSAL SET



Stock code	Description
EO2100	4 Colour holders, green for aluminium, red for brass & cast iron, blue for steel, yellow for plastic



THE SET



Stock code	Description
SP7700	7 Most Popular Deburring Tools



THE GOLD SET



Stock code	Description
NG9400	Complete collection of deburring tools

LOC-LINE

Stock code	Description
------------	-------------

1/4" / 6.35MM SYSTEM

40413



1/4" (6.35mm) Hose Assembly Kit 5 3/4" (300mm) including 1/4", 1/8", 1/16' Round Nozzle and 1/4' and 1/8" NPT Connectors

41401



1/4" (6.35mm) Hose Segments 5 3/4' (300mm) long

41402



1/4" (6.35mm) Round Nozzle 1/16" (1.6mm) Outlet

41403



1/4" (6.35mm) Round Nozzle 1/8" (3.0mm) Outlet

41404



1/4" (6.35mm) Round Nozzle 1/4" (6.0mm) Outlet

41405



1/8" NPT Male Connector for 1/4"

4106



1/4" NPT Male Connector for 1/4"

41407



1/4" (6.35mm) Flare Nozzle 1" (25.0mm) Outlet

41408



1/4" (6.35mm) Y Fitting

41409



1/4" (6.35mm) Double Socket

414011



1/4" (6.35mm) to 1/8" Female Socket

LOC-LINE

Stock code	Description
------------	-------------

41412



3/8" SAE Flare Nut Adapter for 1/4"

41414



1/4" SAE Flare Nut Adapter for 1/4"

41415



1/4" (6.35mm) 90 Deg Elbow Fitting

41416



1/4" (6.35mm) T Fitting

41417



1/8" BSPT Male Connector for 1/4"

41418



1/4" BSPT Male Connector for 1/4"

41460



1/4" (6.35mm) 45 Deg Nozzle 1/16" (1.6mm) Outlet

41461



1/4" (6.35mm) 45 Deg Nozzle 1/8" (3.0mm) Outlet

41462



1/4" (6.35mm) 90 Deg Bar Nozzle 1/4" (6.0mm) Outlet

41463



1/4" (6.35mm) 45 Deg Nozzle 1/4" (6.0mm) Outlet

41470



1/4" (6.35mm) 90 Deg Nozzle 1/16" (1.6mm) Outlet

41471



1/4" (6.35mm) 90 Deg Nozzle 1/8" (3.0mm) Outlet

41472



1/4" (6.35mm) 90 Deg Nozzle 1/4" (6.0mm) Outlet

LOC LINE

Stock code	Description
41473	1/4" (6.35mm) 90 Deg Bar Nozzle 1/4" (6.0mm) Outlet
41474	1/4" (6.35mm) 90 Deg Extended Element Kit (4 Elements, 4 Clamps)
41475	1/4" (6.35mm) Extended Element Kit (4 Elements, 4 Clamps)
41491	1/4" (6.35mm) 90 Deg Extended Elbow
41492	1/4" (6.35mm) Short Lathe Adapter (25.0mm)
41493	1/4" (6.35mm) Long Lathe Adapter (50.0mm)
41476	1/4" (6.35mm) Extended Element
41477	1/4" (6.35mm) Extended Element Clamp
41478	1/4" (6.35mm) Side Flow Nozzle 1/16" (1.6mm) Side Outlet
41479	1/4" (6.35mm) Circle Flow Nozzle Kit 1/16" (1.6mm) Outlet (15 Nozzles, 1 End Cap)
41480	1/4" (6.35mm) End Cap
41481	1/4" (6.35mm) Swivel Fan Nozzle 0.040" (1.0mm) Outlet
41482	1/4" (6.35mm) Swivel Fan Nozzle 0.060" (1.5mm) Outlet

LOC LINE

Stock code	Description
41484	1/4" (6.35mm) Flat Slot Nozzle 0.060" (1.5mm) Outlet
41486	1/4" (6.35mm) Flat 7 Hole Nozzle 0.060" (1.5mm) Outlet
41488	1/4" (6.35mm) Flat 20 Hole Nozzle 0.075" (2.0mm) Outlet
49421	1/4" (6.35mm) Hose Segments 39" (1000mm) long
21191	1/4" (6.35mm) In-Line Check Valve
21192	1/4" NPT Male Connector Valve for 1/4"
21193	1/4" NPT Female Connector Valve for 1/4"
21194	1/4" (6.35mm) In-Line Valve
21195	1/4" (6.35mm) Manifold Bracket
21198	1/4" (6.35mm) Total Flow Control Manifold Kit (5 inline valves, T Fittings, 1/4" Elbow, Manifold Bracket)
21199	1/4" (6.35mm) Modular Manifold Kit (T Fittings, 1/4" Elbow, Manifold Bracket)
78001	1/4" (6.35mm) Pliers

41420



1/4" (6.35mm) 0.062" x 0.5" (1.6mm x 12.0mm) PROSTREEM Nozzle

41421



1/4" (6.35mm) 0.086" x 0.5" (2.2mm x 12.0mm) PROSTREEM Nozzle

41422



1/4" (6.35mm) 0.177" x 0.5" (3.0mm x 12.0mm) PROSTREEM Nozzle

41423



1/4" (6.35mm) 0.160" x 0.5" (4.0mm x 12.0mm) PROSTREEM Nozzle

41424



1/4" (6.35mm) 0.062" x 1.25" (1.6mm x 32.0mm) PROSTREEM Nozzle

41425



1/4" (6.35mm) 0.086" x 1.25" (2.2mm x 32.0mm) PROSTREEM Nozzle

41426



1/4" (6.35mm) 0.177" x 1.25" (3.0mm x 32.0mm) PROSTREEM Nozzle

41427



1/4" (6.35mm) 0.160" x 1.25" (4.0mm x 32.0mm) PROSTREEM Nozzle

42400



1/4" (6.35mm) PROSTREEM Nozzle Kit

40473



1/4" (6.35mm) Mixed Element Kit

40476



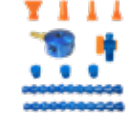
1/4" (6.35mm) Lathe Adapter Kit

40400



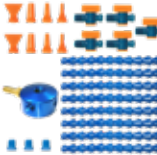
Magnetic Base

40463



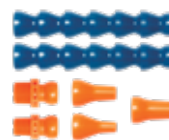
Magnetic Base Manifold Kit

40480



Magnetic Base Manifold Super Kit

50813


1/2" / 12.7MM SYSTEM

1/2" (12.7mm) Hose Assembly Kit 5 1/2" (300mm) including 1/4", 3/8", 1/2" Round Nozzle and 3/8" and 1/2" NPT Connectors

51801



1/2" (12.7mm) Hose Segments 5 1/2' (300mm) long

51806



1/2" (12.7mm) Round Nozzle 1/4" (6.35mm) Outlet

51802



1/2" (12.7mm) Round Nozzle 3/8" (9.5mm) Outlet

51803



1/2" (12.7mm) Round Nozzle 1/2" (12.7mm) Outlet

51804



3/8" NPT Male Connector for 1/2"

LOC-LINE

Stock code	Description
51805	 1/2" (12.7mm) Round Nozzle 1/4" (6.35mm) Outlet
51807	 1/2" (12.7mm) Round Nozzle 3/8" (9.5mm) Outlet
51809	 1/2" (12.7mm) Round Nozzle 1/2" (12.7mm) Outlet
51847	 3/8" NPT Male Connector for 1/2"
51848	 1/2" NPT Male Connector for 1/2"
51808	 1/2" (12.7mm) Flare Nozzle 1 1/4" (32.0mm) Outlet
51895	 1/2" (12.7mm) Flare Nozzle 2 1/2" (65.0mm) Outlet
51822	 1/2" (12.7mm) Straight Flow Nozzle 1 1/4" (32.0mm) Outlet
51811	 1/2" (12.7mm) Straight Flow Nozzle 1 5/8" (42.0mm) Outlet
51821	 1/2" Adapter To 1/4"
51823	 3/8" SAE Flare Nut Adapter for 1/2"
51824	 1/2" (12.7mm) 90 Deg Elbow Fitting
51825	 1/2" (12.7mm) T Fitting

LOC-LINE

Stock code	Description
51826	 3/8" BSPT Male Connector for 1/2"
51827	 1/2" BSPT Male Connector for 1/2"
51828	 1/2" (12.7mm) 90 Deg Nozzle 1/4" (6.35mm) Outlet
51829	 1/2" (12.7mm) 90 Deg Nozzle 3/8" (9.5mm) Outlet
51830	 1/2" (12.7mm) 90 Deg Nozzle 1/2" (12.7mm) Outlet
51831	 1/2" (12.7mm) 90 Deg Bar Nozzle 1/2" (12.70mm) Outlet
50874	 1/2" (12.7mm) 90 Deg Extended Element Kit (4 Elements, 4 Clamps)
51835	 1/2" (12.7mm) Extended Element Kit (4 Elements, 4 Clamps)
51896	 1/2" (12.7mm) 90 Deg Extended Elbow
51833	 1/2" (12.7mm) Extended Element
51834	 1/2" (12.7mm) Extended Element Clamp

LOC-LINE

Stock code	Description
51838	 1/2" (12.7mm) Side Flow Nozzle 1/4" (3.0mm) Side Outlet
51845	 1/2" (12.7mm) End Cap
51840	 1/2" (12.70mm) Flat Slot Nozzle 0.080" (2.0mm) Outlet
51841	 1/2" (12.7mm) Flat Hole Nozzle 0.125" (3.0mm) Outlet
51842	 1/2" (12.7mm) Flat 5 Hole Nozzle 0.080" (2.0mm) Outlet
51843	 1/2" (12.7mm) Flat 7 Hole Nozzle 0.125" (3.0mm) Outlet
59861	 1/2" (12.7mm) Hose Segments 39" (1000mm) long
32091	 1/2" (12.7mm) In-Line Check Valve
32092	 1/2" NPT Male Connector Valve for 1/2"
32093	 1/2" NPT Female Connector Valve for 1/2"
32094	 1/2" (12.7mm) In-Line Valve
32095	 1/2" (12.7mm) Manifold Bracket
32098	 1/2" (12.7mm) Total Flow Control Manifold Kit (5 inline valves, T Fittings, 1/2" Elbow, Manifold Bracket)

LOC-LINE

Stock code	Description
32099	 1/2" (12.7mm) Modular Manifold Kit (T Fittings, 1/2" Elbow, Manifold Bracket)
78002	 1/2" (12.7mm) Pliers
51846	 1/2" (12.7mm) Magnetic Base
3/4" / 19.0MM SYSTEM	
60513	 1/2" (12.7mm) Magnetic Base 3/4" (19.0mm) Hose Assembly Kit 5 1/2" (300mm) including 5/8", 3/4" Round Nozzle and 3/4" NPT Connectors
61501	 3/4" (19.0mm) Hose Assembly Kit 5 1/2" (300mm)
61503	 3/4" (19.0mm) Round Nozzle 5/8" (16.0mm) Outlet
61502	 3/4" (19.0mm) Round Nozzle 3/4" (19.0mm) Outlet
61507	 3/4" (19.0mm) Round Nozzle 3" (76.0mm) Outlet
61505	 3/4" NPT Male Connector for 3/4"
61509	 3/4" BSPT Male Connector for 3/4"
61511	 3/4" (19.0mm) Y Fitting to 3/4" (19.00mm)
60533	 3/4" (19.0mm) Fixed Mount

LOC-LINE

Stock code	Description
61512	3/4" (19.00mm) Y Fitting Reducer to 1/2" (12.7mm)
61514	3/4" (19.0mm) Double Socket
61508	3/4" (19.0mm) Adapter To 1/2" (12.7mm)
61515	9.0mm) 90 Deg Elbow Fitting
61535	3/4" (19.0mm) Extended Element Clamp
61539	3/4" (19.0mm) Hose Segments 39" (1000mm) long
61516	3/4" NPT Male Connector Valve for 3/4"
61517	3/4" NPT Female Connector Valve for 3/4"
61518	3/4" (19.0mm) In-Line Valve
78004	3/8" (19.0mm) Pliers
60532	3/4" (19.0mm) Magnetic Base

KEYLESS DRILL CHUCKS



Stock code	Capacity mm	Taper
SDCJ0113B16	1-13mm	B16
SDCJ0116B16	3-16mm	B16

KEYED DRILL CHUCKS



Stock code	Capacity mm	Taper
DCK13B16	1-13mm	B16
DCK16B16	3-16mm	B16

MORSE TAPER ARBOR



Stock code	Chuck Mount	Machine Mount	OAL mm
B16MT1	B16	MT1	97
B16MT2	B16	MT2	112
B16MT3	B16	MT3	131
B16MT4	B16	MT4	156
B18MT2	B18	MT2	120
B18MT3	B18	MT3	139
B18MT4	B18	MT4	164

R8 DRILL CHUCK ARBORS



Stock code	Chuck Mount	Machine Mount	OAL mm	Drawbar Thread
R8XB16	B16	R8	135	7/16 UNF
R8XB18	B18	R8	143	7/16UNF

DRILL SLEEVES HARDENED AND GROUND



Stock code	Ext Taper	Int Taper	OAL mm
2-1	2	1	92
3-1	3	1	99
3-2	3	2	112
4-1	4	1	124
4-2	4	2	124
4-3	4	3	140
5-2	5	2	156
5-3	5	3	156
5-4	5	4	171
6-4	6	4	218
6-5	6	5	218

R8 HARDENED AND GROUND DRILL SLEEVES



Stock code	Mounting Taper	Inside Taper	OAL mm	Drawbar Thread
R81	R8	MT1	102	7/16UNF
R82	R8	MT2	105	7/16UNF
R83	R8	MT3	135	7/16UNF

DRILL DRIFT



Stock code	Morse Taper mm	Width mm	OAL
DRILLDRIFT2	1+2	5	140
DRILLDRIFT3	3	6.9	190
DRILLDRIFT4	4	10.2	225

R8 COLLETS



Stock code	Mounting taper	Inside Ø mm	Overall length mm	Drawbar thread
R86	R8	6	101.6	7/16UNF
R810	R8	10	101.6	7/16UNF
R812	R8	12	101.6	7/16UNF
R816	R8	16	101.6	7/16UNF
R820	R8	20	101.6	7/16UNF

ISO 40 MORSE TAPER ADAPTORS



Stock code	Outside Taper	Outside Taper	OAL mm
ISO40MT2	ISO40	MT2	143
ISO40MT3	ISO40	MT3	158
ISO40MT4	ISO40	MT4	188

BT MORSE TAPER ADAPTORS



Stock code	Shank	Length-gauge line to front mm	Morse taper
BT40MTA1-45	BT40	45	1
BT40MTA2-50	BT40	50	2
BT40MTA3-70	BT40	70	3
BT40MTA4-95	BT40	95	4

MORSE TAPER FACE MILL HOLDERS



Stock code	Shank	Spigot Ø mm	Driving dog width mm	Drawbar thread
MT2FMA16	MT2	16	8	M10
MT2FMA22	MT2	22	10	M10
MT3FMA16	MT3	16	8	M12
MT3FMA22	MT3	22	10	M12
MT3FMA27	MT3	27	12	M12
MT3FMA32	MT3	32	14	M12

R8 SHELL MILL ARBORS



Stock code	Mounting taper	Spigot Ø	Overall length mm	Drawbar thread
R8FMA16	R8	16	150	7/16UNF
R8FMA22	R8	22	159	7/16UNF
R8FMA27	R8	27	161	7/16UNF
R8FMA32	R8	32	170	7/16UNF

ISO 40 FACE MILL ARBORS



Stock code	Spigot mm	OAL mm
ISO40FMAX16	16	156
ISO40FMAX22	22	156
ISO40FMAX27	27	159

BT40 FACE MILL ARBORS



Stock code	Shank	Length-gauge line to front mm	Spigot mm
BT40FMA16-45	BT 40	40	16
BT40FMA22-45	BT 40	45	22
BT40FMA27-45	BT 40	45	27
BT40FMA32-60	BT 40	60	32
BT40FMA40-60	BT 40	70	40

ISO 40 DRILL CHUCK ARBOR



Stock code	Chuck Mount	Machine Mount	OAL mm	Drawbar Thread
ISO40B16	B16	ISO40	143	M16

ISO 40 SIDELOCK HOLDERS



Stock code	Shank	Bore mm	Gauge Length
ISO40SLH6	ISO 40	6	50
ISO40SLH8	ISO 40	8	50
ISO40SLH10	ISO 40	10	50
ISO40SLH12	ISO 40	12	50
ISO40SLH16	ISO 40	16	60
ISO40SLH20	ISO 40	20	60
ISO40SLH25	ISO 40	25	80
ISO40SLH32	ISO 40	32	80
ISO50SLH6	ISO 50	6	60
ISO50SLH8	ISO 50	8	60
ISO50SLH10	ISO 50	10	65
ISO50SLH12	ISO 50	12	65
ISO50SLH16	ISO 50	16	65
ISO50SLH20	ISO 50	20	65
ISO50SLH25	ISO 50	25	80
ISO50SLH32	ISO 50	32	80

BT SIDE LOCK HOLDERS



Stock code	Shank	Bore mm	Length-gauge line to front mm
BT40SLH6-50	BT40	6	50
BT40SLH8-50	BT40	8	63
BT40SLH10-63	BT40	10	63
BT40SLH12-63	BT40	12	63
BT40SLH16-63	BT40	16	63
BT40SLH20-63	BT40	20	63
BT40SLH25-90	BT40	25	60
BT40SLH32-100	BT40	32	100
BT50SLH6-63	BT50	6	63
BT50SLH8-65	BT50	8	65
BT50SLH10-65	BT50	10	65
BT50SLH12-80	BT50	12	80
BT50SLH16-80	BT50	16	80
BT50SLH20-80	BT50	20	80
BT50SLH25-100	BT50	25	100
BT50SLH32-105	BT50	32	105
BT50SLH40-120	BT50	40	120
BT50SLH50-120	BT50	50	120

DIN 69871 SIDE LOCK HOLDERS



Stock code	Shank	Bore mm	Length-gauge line to front mm
SK40SLH6-50	SK40	6	50
SK40SLH8-50	SK40	8	63
SK40SLH10-50	SK40	10	63
SK40SLH12-50	SK40	12	63
SK40SLH16-63	SK40	16	63
SK40SLH20-63	SK40	20	63
SK40SLH25-100	SK40	25	60
SK40SLH32-100	SK40	32	100

MORSE TAPER ER MILLING CHUCKS



Stock code	Collet	End mill Clamping range mm	Shank mm	Draw bar Thread
MT2ER20	ER20	2-12	MT2	M10
MT3ER20	ER20	2-12	MT3	M12
MT3ER25	ER25	2-16	MT3	M12

ER COLLET CHUCKS STRAIGHT SHANK



Stock code	Collet	End mill Clamping range mm	Shank mm	Shank mm
SS16ER11-140	ER20	2-12	MT2	M10
SS20ER16-140	ER20	2-12	MT3	M12
SS20ER20-140	ER25	2-16	MT3	M12

R8 ER COLLET CHUCKS



Stock code	Collet	Clamp range mm	Gauge Length
R8ER25	ER25	1-16	49.7
R8ER32	ER32	1-20	63
R8ER40	ER40	3-26	72

ISO 40 ER COLLET CHUCKS



Stock code	Collet	Clamp range mm	Gauge Length mm
ISO40ER25-60	ER25	1-16	42
ISO40ER32-50	ER32	1-20	50
ISO40ER40-60	ER40	3-26	63

BT ER COLLET CHUCKS



Stock code	Shank	Collet	Clamping range mm	Length-gauge line to front nut mm	Front nut Ø mm
BT40ER16-70	BT40	ER11	0.5-7	70	19
BT40ER20-70	BT40	ER20	1-13	70	34
BT40ER25-70	BT40	ER25	1-16	65	42
BT40ER32-70	BT40	ER32	2-20	75	50
BT40ER40-80	BT40	ER40	3-26	80	63
BT50ER25-100	BT50	ER25	1-16	100	42
BT50ER32-100	BT50	ER32	2-20	100	50
BT50ER40-100	BT50	ER40	3-26	100	63

DIN 69871 ER COLLET CHUCKS



Stock code	Shank	Collet	Clamping range mm	Length-gauge line to front nut mm	Front nut Ø mm
SK40ER11-70	SK40	ER11	0.5-7	70	19
SK40ER16-75	SK40	ER16	0.5-10	75	28
SK40ER20-75	SK40	ER20	1-13	75	34
SK40ER25-70	SK40	ER25	1-16	70	42
SK40ER32-75	SK40	ER32	2-20	75	50
SK40ER40-80	SK40	ER40	3-26	80	63

ER COLLETS



ER 11

Stock Code	Clamping range mm	Stock Code	Clamping range mm
ER111	1.0-0.5	ER114.5	4.5-4.0
ER111.5	1.5-1.0	ER115	5.0-4.5
ER112	2.0-1.5	ER115.5	5.5-5.0
ER112.5	2.5-2.0	ER116	6.0-5.5
ER113	3.0-2.5	ER116.5	6.5-6.0
ER113.5	3.5-3.0	ER117	7.0-6.5
ER114	4.0-3.5		

ER 16

ER161	1-0.5	ER166	6-5
ER161.5	1.5-1	ER167	7-6
ER162	2-1	ER168	8-7
ER163	3-2	ER169	9-8
ER164	4-3	ER1610	10-9
ER165	5-4		

ER COLLETS CONT..
ER 20

Stock Code	Clamping range mm	Stock Code	Clamping range mm
ER202	2-1.5	ER208	8-7
ER203	3-2.5	ER209	9-8
ER204	4-3	ER2010	10-9
ER205	5-4	ER2011	11-10
ER206	6-5	ER2012	12-11
ER207	7-6	ER2013	13-12

ER 25

ER252	2-1.5	ER2510	10-9
ER253	3-2	ER2511	11-10
ER254	4-3	ER2512	12-11
ER255	5-4	ER2513	13-12
ER256	6-5	ER2514	14-13
ER257	7-6	ER2515	15-14
ER258	8-7	ER2516	16-15
ER259	9-8		

ER 32

ER323	3-2.5	ER3212	12-11
ER324	4-3	ER3213	13-12
ER325	5-4	ER3214	14-13
ER326	6-5	ER3215	15-14
ER327	7-6	ER3216	16-15
ER328	8-7	ER3217	17-16
ER329	9-8	ER3218	18-17
ER3210	10-9	ER3219	19-18
ER3211	11-10	ER3220	20-19

ER 40

ER404	4-3.5	ER4016	16-15
ER405	5-4	ER4017	17-16
ER406	6-5	ER4018	18-17
ER407	7-6	ER4019	19-18
ER408	8-7	ER4020	20-19
ER409	9-8	ER4021	21-20
ER4010	10-9	ER4022	22-21
ER4011	11-10	ER4023	23-22
ER4012	12-11	ER4024	24-23
ER4013	13-12	ER4025	25-24
ER4014	14-13	ER4026	26-25
ER4015	15-14		

REVERSING TAP CHUCKS

Sold as a set complete with morse taper arbors, rubber flex collets and spanner



Stock code	Capacity	Mounting Taper
------------	----------	----------------

BMJSN7B16	M2-M7	B16
BMJSN12B16	M4-M12	B16
BMJSN20M20	M8-M20	M20

PRECISION LIVE CENTRES


Stock code	Taper	Point Length	Run Out mm	Max Load kg
------------	-------	--------------	------------	-------------

JJHNCR512	MT2	31	0.005	400
JJHNCR513	MT3	37	0.005	600
JJHNCR514	MT4	44	0.005	1000
JJHNCR515	MT5	50	0.005	2500

NC PRECISION LIVE CENTRES


Stock code	Taper	Point Length	Run Out mm	Max Load kg
------------	-------	--------------	------------	-------------

LC2NC	MT2	34	0.005	140
LC3NC	MT3	47	0.005	400
LC4NC	MT4	53	0.005	500
LC5NC	MT5	65	0.005	1200

DEAD CENTRES STEEL



Stock code	Morse Taper	Large Ø mm	Length
DC1	1	12	80
DC2	2	17.8	100
DC3	3	24	125
DC4	4	32	160
DC5	5	45	200

DEAD CENTRE CARBIDE TIPPED



Stock code	Morse Taper	Large Ø mm	Length
DCCT1	1	12	80
DCCT2	2	17.8	100
DCCT3	3	24	125
DCCT4	4	32	160
DCCT5	5	45	200

CLAMPING KITS



Stock code	Thread Size	TSlot Size
SCK12M10Q	M10	12
SCK14M12Q	M12	14
SCK16M14Q	M14	16
SCK18M16Q	M16	18

T-TYPE TAP WRENCH



Stock code	Range
SSW-53A	M1.6-M4
SSW-53B	M4-M6
SSW-53D	M6-M12

ADJUSTABLE TAP WRENCH



Stock code	Range
SSW-52A	M1-M5
SSW-52B	M4-M8
SSW-52C	M5-M14
SSW-52D	M6-M20

VERNIER CALIPERS STANDARD



Stock code	Range mm	Graduation mm	Accuracy mm
341-06-4	0-150	0.02	±0.02
341-08-0	0-200	0.05	±0.05

DIAL CALIPERS



Stock code	Range mm	Graduation mm	Accuracy mm
303-06-2	0-150	0.02	±0.02
303-08-2	0-200	0.02	±0.02
303-12-2	0-300	0.02	±0.02

ASIMETO DIGITAL CALIPER



Stock code	Range mm	Graduation mm	Accuracy mm
307-56-2	0-150	0.01	±0.02
307-58-0	0-200	0.01	±0.03
307-62-0	0-300	0.01	±0.03

ASIMETO DEPTH VERNIER



Stock code	Range mm	Graduation mm	Accuracy mm
321-06-0	0-150	0.01	±0.02

ASIMETO OUTSIDE MICROMETER



Stock code	Range mm	Graduation mm	Accuracy mm
101-01-0	0-25	0.01	±0.004
101-02-0	25-50	0.01	±0.004
101-03-0	50-75	0.01	±0.005
101-04-0	75-100	0.01	±0.005

ASIMETO DIAL INDICATOR



Stock code	Bezel mm	Range mm	Graduation mm	Accuracy mm
402-10-0	58	10	0.01	0.02

ASIMETO FINGER CLOCK



Stock code	Bezel mm	Range mm	Graduation mm	Accuracy mm
501-08-2	32	0-0.8	0.01	0.013

ASIMETO THICKNESS GAUGE



Stock code	Range mm	Depth of Throat mm	Accuracy mm
491-01-0	0-10	30	±0.015

ASIMETO MAGNETIC FINE BASE ADJUSTMENT



Stock code	Stem mm	Pole mm	Hole Ø mm	Magnet Force mm
601-02-0	12	10	8	60kg

Mitutoyo OUTSIDE MICROMETERS
Series 103



Up to 100 mm



Above 100 mm

Mitutoyo No.	Capacity mm	Graduation mm	Accuracy μm
103-137	0-25	0.01	± 2
103-138	25-50	0.01	± 2
103-139-10	50-75	0.01	± 2
103-140-10	75-100	0.01	± 3
103-141-10	100-125	0.01	± 3
103-142-10	125-150	0.01	± 3
103-143	150-175	0.01	± 4
103-144-10	175-200	0.01	± 4
103-145-10	200-225	0.01	± 4
103-146	225-250	0.01	± 5
103-147	250-275	0.01	± 5
103-148	275-300	0.01	± 5
103-149	300-325	0.01	± 6
103-150	325-350	0.01	± 6
103-151	350-375	0.01	± 6
103-152	375-400	0.01	± 7
103-153	400-425	0.01	± 7
103-154	425-450	0.01	± 7
103-155	450-475	0.01	± 8
103-156	475-500	0.01	± 8

Mitutoyo OUTSIDE MICROMETERS
Series 103



Mitutoyo No.	Range mm	No of micrometer/set	Graduation mm
103-913-50	0-150	6	0.01
103-914-50	0-300	12	0.01
103-915-10	150-300	6	0.01

Mitutoyo ELECTRONIC DIGITAL OUTSIDE MICROMETERS
Series 293



Mitutoyo No.	Capacity mm	Graduation mm	Accuracy μm
293-330	0-25/0-1	0.001/0.00005	± 1
293-331	25-50/1-2	0.001/0.00005	± 1
293-332	50-75/2-3	0.001/0.00005	± 1
293-333	75-100/3-4	0.001/0.00005	± 2

METRIC ONLY

Mitutoyo No.	Capacity mm	Accuracy μm	Graduation mm
293-230	0-25	0.001	± 1
293-231	25-50	0.001	± 1
293-232	50-75	0.001	± 1
293-233	75-100	0.001	± 2

Mitutoyo THREE POINT INSIDE MICROMETERS
Series 293



Mitutoyo No.	Capacity mm	Graduation mm	Accuracy μm
368-161	6-8	0.001	± 2
368-162	8-10	0.001	± 2
368-163	10-12	0.001	± 2
368-164	12-16	0.005	± 2
368-165	16-20	0.005	± 2
368-166	20-25	0.005	± 3
368-167	25-30	0.005	± 3
368-168	30-40	0.005	± 3
368-169	40-50	0.005	± 3
368-170	50-63	0.005	± 3
368-171	62-75	0.005	± 3
368-172	75-88	0.005	± 3
368-173	87-100	0.005	± 3

Mitutoyo SETS OF THREE POINT MICROMETERS
Series 368



Mitutoyo No.	Capacity mm	Graduation mm	Accuracy μm
368-911	6-12	0.001	± 2
368-912	12-20	0.005	± 2
368-913	20-50	0.005	± 3
368-914	50-100	0.005	± 3

Mitutoyo SMALL BORE GAUGES
Series 154



Mitutoyo No.	Capacity mm	Description
154-902	3-13	Set of 4. Used with micrometer

Mitutoyo INSIDE MICROMETER AND EXTENSION RODS
Series 137



Micrometer head

Mitutoyo No.	Range mm	Graduation mm	Travel mm	Min length mm
137-011	50-63	0.01	13	50

Mitutoyo Micrometer heads with extension rods
steel measuring faces

Mitutoyo No.	Range mm	Extension rods mm
137-011	50-63	-
137-201	50-150	13, 25, 50
137-202	50-300	13, 25, 2x50, 100
137-203	50-500	13, 25, 2x50, 100, 200
137-204	50-1000	13, 25, 50, 2x100, 150, 200, 300
137-205	50-1500	13, 25, 50, 2x100, 150, 2x200, 2x300

Mitutoyo TELESCOPIC GAUGES
Series 155



Mitutoyo No.	Measuring Range mm	Overall length mm
155-127	8-12.7	110
155-128	12.7-19	110
155-129	19-32	110
155-130	32-54	150
155-131	54-90	150
155-132	90-150	150
155-905	8-150	set of 6

Mitutoyo SCREW LOCK VERNIER CALIPERS
Series 530



Metric

Mitutoyo No.	Measuring Range mm	Vernier reading mm	Accuracy μm
530-101	0-150	0.05	± 0.05
530-108	0-200	0.05	± 0.05
530-109	0-300	0.05	± 0.05

Metric / imperial

Mitutoyo No.	Measuring Range mm	Vernier reading mm	Accuracy μm
530-104	0-150/6"	0.05/ 1/128"	± 0.05
530-114	0-200/8"	0.05/ 1/128"	± 0.05
530-118	0-200/8"	0.05/ 0.001"	± 0.05
530-119	0-300/12"	0.05/ 0.001"	± 0.05

Mitutoyo FINELY ADJUSTABLE VERNIER
Series 532 CALIPERS



Mitutoyo No.	Measuring Range mm	Vernier reading mm	Accuracy μm
532-101	0-130	0.02	±0.03
532-102	0-180	0.02	±0.03
532-103	0-280	0.02	±0.04

Mitutoyo DIAL CALIPERS
Series 505



Mitutoyo No.	Measuring Range mm	Dial reading graduation mm	Range per Rev. mm	Accuracy μm
505-681	0-150	0.01	1	±0.02
505-671	0-150	0.02	2	±0.03
505-672	0-200	0.02	2	±0.03
505-673	0-300	0.02	2	±0.04

Mitutoyo ELECTRONIC CALIPERS



Mitutoyo No.	Measuring Range mm	Digital readout mm	Accuracy μm
500-151-20	0-150	0.01	±0.02
500-181-20	0-150	0.01	±0.02
500-152-20	0-200	0.01	±0.02
500-153	0-300	0.01	±0.03
500-501-10	0-600	0.01	±0.05
500-171-20	0-150/6"	0.01/0.0005"	±0.02
500-172-20	0-200/8"	0.01/0.0005"	±0.02
500-173	0-300/12"	0.01/0.0005"	±0.03

Waterproof metric

Mitutoyo No.	Measuring Range mm	Digital readout mm	Accuracy μm
500-702-10	0-150	0.01	±0.02
500-703-10	0-200	0.01	±0.02
500-707-11	0-200	0.01	±0.02
500-704-10	0-300	0.01	±0.02

Waterproof metric

Mitutoyo No.	Measuring Range mm	Digital readout mm	Accuracy μm
500-752-10	0-150/6"	0.01/0.0005"	±0.02

Mitutoyo DIAL INDICATORS



Mitutoyo No.	Stroke mm	Graduation mm	Bezel Ømm	Comment
1044S	5	0.01	40	-
2046S	10	0.01	55	-
2046S-60	10	0.01	55	water proof
2048S-10	10	0.01	55	jeweled
2050S	20	0.01	55	-
2052S	30	0.01	55	-
2109S-10	1	0.001	55	micron reading
2119S-10	5	0.001	55	micron reading
3050S	20	0.01	78	-
3052S-19	30	0.01	75	-
3058S-19	50	0.01	75	-

Mitutoyo FINGER CLOCKS
Series 513



Mitutoyo No.	Range mm	Graduation mm	Bezel Ømm	Stylus length mm	Comment
513-517T	0.8	0.01	32	21	full set

Mitutoyo HEIGHT GAUGES
Series 514



Mitutoyo No.	Measuring range mm	Vernier reading mm	Accuracy mm
514-102	300	0.02	±40
514-104	450	0.02	±50
514-106	600	0.02	±50

Mitutoyo ELECTRONIC HEIGHT GAUGES
Series 570



Mitutoyo No.	Measuring range mm	Resolution mm	Accuracy mm	Repeatability mm
570-302	300	0.01	±0.04	0.01
570-304	600	0.01	±0.05	0.01

TAPE MEASURE



Stock code	Description
SEN5361440K	3mX1mm
SEN5361450K	5m X19mm



JTB PARALLEL SETS



Stock code	No. of Pairs	Width mm	Length mm
WHIHP1-5	9 Pairs	6.35	150
JXT700-401	14 Pairs	5	150
JXT700-400	14 Pairs	10	150



HEIGHT GAUGES



STANDARD HEIGHT GAUGE

Stock code	Measuring Height mm	Resolution mm	Accuracy mm
HG300	0-300	0.02	±0.04
HG500	0-500	0.02	±0.05



DIGITAL HEIGHT GAUGE

Stock code	Measuring Height mm	Resolution mm	Accuracy mm
DHG300	0-300	0.01	±0.04
DHG500	0-500	0.01	±0.05

JTB TELESCOPIC GAUGE



Stock code	Range mm	No. of Pieces
TG8-150	8-150	6

JTB COMBINATION SET



Stock code	Range mm	Length of Ruler	No. of Pieces
CSQ	0 - 180°	300mm	4



STEEL RULES



Stock code	Size mm
SR6	150/ 6"
SR12	300/12"
SR300	300
SR24	600
SR40	1000

JTB ENGINEER SQUARE



Stock code	Size mm
SES101A	50
SES101B	75
SES101C	100
SES101D	150
SES101E	200
SES101G	250
SES101H	300

SPRING JOINT DIVIDERS



Stock code	Size mm
SSC107BDIV	100
SSC107CDIV	150
SSC107DDIV	200
SSC107DDDIV	250
SSC107EDIV	300

SPRING JOINT INSIDE CALIPER



Stock code	Size mm
SSC107BIS	100
SSC107CIS	150
SSC107DIS	200
SSC107DDIS	250
SSC107EIS	300

SPRING JOINT OUTSIDE CALIPER



Stock code	Size mm
SSC107BOS	100
SSC107COS	150
SSC107DOS	200
SSC107DDOS	250
SSC107EOS	300

SCRIBER



Stock code	Size mm
SMC69E	230

SURFACE GAUGE



Stock code	Length of Spindle	Base Size mm
STG94F	225 & 300	80x63x25

JENNY CALIPER



Stock code	Size mm
SJC107C	150

STEEL BEAM TRAMEL



Stock code	Size mm
251B	365

PROTRACTOR DEPTH GAUGE



Stock code	Size mm
DP45C	150

FEELER GAUGE



Stock code	Size mm
FG26M	100 x 26 blades

THREAD PITCH GAUGE



Stock code	Size mm
WWMM	METRIC 0,25-6 x Whitworth 4-62 TPI

RADIUS GAUGE



Stock code	Measuring Range mm	No. of Blades concave & Convex
RG-C7M	1-7	17
RG-C15M	7.5-15	16
RG-C25M	15.5-25	15

PRICK PUNCH



Stock code	Size mm
PRICK-P	100X8

CENTRE PUNCH SQUARE HEAD



Stock code	Size mm	Length
SSQ60	3	100
SSQ61	4	100
SSQ62	5	100
SSQ63	6	100

PIN PUNCH SET



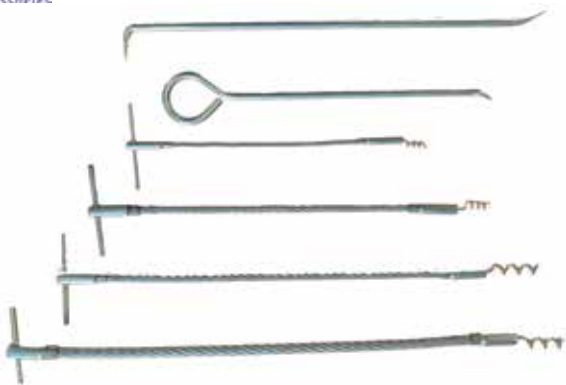
Stock code	Ø x Length	No of Pieces
SDP67S	1.6, 2.4, 3.2, 4, 4.8, 5.5, 6.3, 8	8
SLD68S	3.2, 4.8, 6.3, 8, 9.5	5

CENTRE PUNCH SET



Stock code	Ø x Length	No of Pieces
SCP61S	1.6, 2, 2.4, 3.4, 4	5

PACKING EXTRACTOR SET



Stock code	No. of Pieces
SP80032	6

MECHANICAL EDGE FINDER



Stock code	Diamention
MEF	10x19x89

ELECTRONIC EDGE FINDER



Stock code	Diamention mm
EEF	20x160x10

PIPE AND TOOL MARKING ACCESSORIES CONTOUR MARKER

The contour marker consists of an X frame, a calibrated protractor and a triple joint marking arm. For pipes from 30mm to 450mm



Stock code	Description	Pipe Size mm
J1874	Marker Standard CNT1	40-450
J1877	Marker Jumbo CNT4	200-1200

CENTERING HEADS

Centering heads aid in the settings of centerlines, establishing angles and marks for butt inns, locating points inside pipes and tanks, laying out keyways



Stock code	Description	Pipe Size mm
J1879	Centering Head Standard CNT6	12-100
J1880	Centering Head Jumbo CNT7	100-200

LEVEL

A lightweight easy to use tool for determining angles. This is ideal for a pipe fitter, welder, jig builder or anyone who has to determine angles or do setup work. It includes 2 x 11kg magnets. The level has a 360° dic level



Stock code	Description
J1881	Pro Mag Level CNT8



PROTRACTOR

This is a 90° protractor with a matching locking lever to set and hold the tool at the desired angle. It is equipped with a 16mm x250mm tapered arm to complete finding of angles or desired bends or to determine any portions of elbows. Comes with a 11kg pull magnetic base for holding the protractor frame in position



Stock code	Description
J1882	Protractor CNT9



RADIUS MARKER

For radius up to 600mm



Stock code	Description	Radius mm
J1886	Radius Marker Standard CNT1224	600



TRAMMEL HEADS

These use a standard 1/2 inch bar as a trammel bar



Stock code	Description
J1890	Multi Trammel Heads CNT19



UNIVERSAL LEVEL

This adjustable bubble protractor is used in a number of Curv O Mark Tools.



Stock code	Description
J1905	Dial and Level CNT07220



WRAP-A-ROUND TOOLS



Stock code	Description
J1858	Wrap around Curvo Mark Black 1.2m
J1859	Wrap around Curvo Mark Black 1.8m
J1860	Wrap around Curvo Mark Black 2.1m
J1861	Wrap around Curvo Mark Black 2.7m



LATHES



Stock code	Distance between centers mm	Swing mm	Motor KW
CO636A	1000	360	1.5
CD6250C	1500	500	5.5
CD6260C	2000	600	8
CH6226C	3000	660	8

MILLING MACHINE



Stock code	Table Size	Spindle	HP
X6323V	1070X230	R8	3
ZX6350A	1250X320	ISO40	

RADIAL ARM DRILL



Stock code	Max drill	Distance table to spindle	Spindle
ZQ3032	32	260-1000	MT4
ZQ3040	40	260-1050	MT4
ZQ3050	50	250-1150	MT5

PEDESTAL DRILL MACHINE



Stock code	Drill capacity	Spindle
MTQ-5125	25MM	MT3

BANDSAW



Stock code	Blade Size	Cut capacity Round
G5020	2360X20X0.9	200
G5025	2275X27X0.9	250



Stock code	Dimensions	Cut capacity
GH4325	1800X1050X1550	350
40/60	2100X1050X1620	400

PRESS BRAKE



Stock code	Nom Pressure x Legnth of table	Motor KW
WC67K-63X2500	63 X 2500	5,5
WC67Y-125X3200	125 X 3200	7,5

GUILLOTINE



Stock code	Cut thickness x Length	Motor KW
QC12Y-4X3200	4X3200	5,5
QC12Y-6X3200	6X3200	7,5
QC12Y-12X3200	12X3200	18,5
QC11Y-16X32000	16X3200	22

SURFACE GRINDER



Stock code	Stroke longitude, lateral	Wheel
MJ7115	340X170	180X32X13

MAG BASE DRILLS



Stock code	Drill capacity	Morse taper
H28	28	3
H38	38	4
H49	49	4

Makita IMPACT DRILL 2 SPEED KEYED CHUCK



Stock code	Max capacity concrete mm	Steelmm	wood mm	Continuous input rating
HP2050	20	hi8 lo13	hi25 lo40	720W

Makita IMPACT DRILL 2 SPEED KEYLESS CHUCK



Stock code	Max capacity concrete mm	Steelmm	wood mm	Continuous input rating
HP2051	20	hi8 lo13	hi25 lo40	720W

Makita IMPACT DRILL



Stock code	Drilling capacity concrete mm	Steelmm	wood mm	Continuous input rating
HP1630	20	13	30	710W

Makita ANGLE GRINDER



Stock code	Disc size	No load speed rpm	Continuous input rating
9557HNG	115	11000	840W

Makita ANGLE GRINDER



Stock code	Disc size	No load speed rpm	Continuous input rating
9565H	125	11000	1100W
9565CV	125	2800-12000	1400W

Makita ANGLE GRINDER



Stock code	Disc size	No load speed rpm	Continuous input rating
GA9010C	230	6000	2000W
9A9040SK01	230	6600	2600W

Makita DIE GRINDER



Stock code	No load speed rpm	Continuous input rating
GD0600	25000	400W
GD0810C	1800-70000	750W
GD0800	7000-28000	750W

Makita CUT-OFF SAW



Stock code	Wheel size mm	No load rpm	Continuous input rating
2414EN	355X25.4	3800	2000W

Makita CORDLESS PERCUSSION DRIVER DRILL



Stock code	Max drill in mm			Batt volt	Included
	Steel	Wood	Masonry		
8444DWAE	13	65	16	18	2 X 1.9ah 18v batteries

Makita CORDLESS IMPACT DRIVER DRILL



Stock code	Max drill in mm			Batt volt	
	Steel	Wood	Masonry		
DHP453ZK	13	36	13	18	Batt & Charger not include

Makita CORDLESS ANGLE GRINDER



Stock code	Diameter	RPM	Batt volt	
DGA452ZK	115	10 000	18 Lithium	Batt & Charger not include



CORDLESS ANGLE GRINDER



Stock code	Diameter	RPM	Batt volt
DGA900ZK	230	6000	2X 18V Lithium Batteries



CORDLESS CIRCULAR SAW



Stock code	Blade Diameter mm	No load speed	Batt volt
DSS610ZK	165X20	3700	18V Lithium Iron



BATTERIES



Stock code

BL1830



CHARGER



Stock code

DC18RC



BOSCH IMPACT DRILL



Stock code	No load speed	Capacity	Rated Power
GSB16RE	3250	1.5-13	750W



BOSCH KEYLESS IMPACT DRILL



Stock code	No load speed	Capacity	Rated Output
GSB19-2RE	3000 2 Gear	1.5-13	850W



ANGLE GRINDER



Stock code	No load speed	Diameter	Rated Output
GWS700	12 000 RPM	115	710W



ANGLE GRINDER



Stock code	No load speed	Diameter	Rated Output
GWS9-115	11 000 RPM	115	900W

BOSCH ANGLE GRINDER



Stock code	No load speed	Diameter	Rated Output
GWS24-230	6500 RPM	230	2400W

BOSCH CORDLESS DRILL DRIVER



Stock code	No load speed	Torque	Volt
GSB185	Gear 1 500RPM Gear 2 1900RPM	50NM	18

BOSCH CORDLESS ANGLE GRINDER



Stock code	No load speed	Diameter	Volt
GWS180-LI	11 000 RPM	115	18

BOSCH LITHIUM BATTERY



Stock code	Battery volt	Battery capacity
GBA18V2.0AH	18V	2.0Ah
GBA18V5.0AH	18V	5.0Ah





MMA (STICK) WELDING



Stock code	Duty cycle	Voltage
ROGUE ES200i	25% at 200AMP	230



MMA (STICK) WELDING



Stock code	Duty cycle	Voltage
RENEGADE ES300i	40% at 300AMP	208-460



TIG (HF) & MMA (STICK)



Stock code	Duty cycle	Voltage
RENEGADE ET300i	Stick 40% at 300AMP	230-480
	Tig 60% at 300AMP	



TIG & MMA (STICK)



Stock code	Duty cycle	Voltage
BUDY TIG400i	40% at 26VDC 60% at 22.4VDC	400



MMA (STICK) & SCRATCH TIG



Stock code	Duty cycle	Voltage
BUDDY ARC 630i	40% at 400AMP	400



TIG AC/DC



Stock code	Duty cycle	Voltage
ORIGO TIG 4300IW	60% at 400AMP 26VAC	400



MIG/MAG and MMA



Stock code	Duty cycle	Voltage
FABRICATOR EM500i	60% at 500AMP	380-440



MULTI PURPOSE WELDER MIG/MAG, TIG AND STICK



Stock code	Duty cycle	Voltage
WARRIOR 750i	60% at 820AMP	380-575

WELDING ELECTRODES



Stock code	Description
WEL1440	Electrode Afrox Transarc 2.15mm 5kg
WEL1445	Electrode Afrox Transarc 3.15mm 5kg
WEL1450	Electrode Afrox Transarc 4.00mm 5kg



Stock code	Description
WEL1455	Electrode Afrox Vitemax 2.15mm 5kg
WEL1460	Electrode Afrox Vitemax 3.15mm 5kg
WEL1465	Electrode Afrox Vitemax 4.00mm 5kg



Stock code	Description
WEL1850	Electrode Mild Steel E6013 2.0mm 1kg
WEL1855	Electrode Mild Steel E6013 2.0mm 5kg
WEL1860	Electrode Mild Steel E6013 2.5mm 1kg
WEL1865	Electrode Mild Steel E6013 2.5mm 5kg
WEL1870	Electrode Mild Steel E6013 3.2mm 1kg
WEL1875	Electrode Mild Steel E6013 3.2mm 5kg
WEL1880	Electrode Mild Steel E6013 4.00mm 5kg



Stock code	Description
WEL1330	Electrode Cast Iron 55 2.5mm 1kg
WEL1335	Electrode Cast Iron 55 3.2mm 1kg
WEL1340	Electrode Cast Iron 55 4.0mm 1kg

WELDING ELECTRODES



Stock code	Description
WEL1800	Electrode Stainless E316L -16 2.5mm 5kg
WEL1805	Electrode Stainless E316L-16 3.2mm 5kg
WEL1810	Electrode Stainless E316L-16 4.0mm 5kg
WEL1715	Electrode Stainless E308L-16 2.5mm 5kg
WEL1720	Electrode Stainless E308L-16 3.2mm 5kg
WEL1725	Electrode Stainless E308L-16 4.0mm 5kg
WEL1730	Electrode Stainless E309L-16 2.5mm 5kg
WEL1735	Electrode Stainless E309L-16 3.2mm 5kg
WEL1740	Electrode Stainless E309L-16 4.0mm 5kg
WEL1745	Electrode Stainless E310L-2.5mm 5kg
WEL1750	Electrode Stainless E310L-3.2mm 5kg
WEL1755	Electrode Stainless E310L-4.0mm 5kg
WEL1760	Electrode Stainless E312L-2.5mm 5kg
WEL1762	Electrode Stainless E312L-3.2mm 5kg



Stock code	Description
WEL2000	Electrode Low Hydrogen E7018 2.5mm 5kg
WEL2005	Electrode Low Hydrogen E7018 3.2mm 5kg
WEL2010	Electrode Low Hydrogen E7018 4.0mm 5kg

MIG WIRE



Stock code	Wire Ø mm	kg
WEL6150	0.8	15
WEL6165	0.9	15
WEL6175	1	15
WEL6185	1.2	15
WEL6195	1.6	15

MACHINE SOCKET



Stock code	Description
------------	-------------

WEL2615	Male10/25
WEL2620	Male35/50
WEL2625	Male50/70
WEL2600	Female10/25
WEL2605	Female35/50
WEL2610	Female50/70

CABLE CONNECTORS

Male



Stock code	Description
------------	-------------

WEL1215P	Male10/25
WEL1220	Male35/50
WEL1225	Male50/70

CABLE CONNECTORS

Female



Stock code	Description
------------	-------------

WEL1200	Female10/25
WEL1205P	Female35/50
WEL1210	Female50/70

EARTH CLAMP



Stock code	AMP
------------	-----

WEL1040GP	200
WEL1045	400
WEL1050	600

ELECTRODE HOLDER



Stock code	AMP
------------	-----

WEL2336	300
WEL2340	500

MIG TORCH



Stock code	Size
------------	------

WEL3445	MB15 4M
WEL3450	MB25 4M
WEL3460	MB36 4M
WEL3470	MB40 4M

CONICAL SHROUD



Stock code	Size
------------	------

WEL2905	MB15
WEL2910	MB25
WEL2915	MB36

CONTACT TIP



Stock code	Size
WEL3295P	M6.0 0.8mm BNZ 15/25/36
WEL3300P	M6.0 0.9mm BNZ15/25/36
WEL3305P	M6.0 1.0mm BNZ15/25/36
WEL3310P	M6.0 1.2mm BNZ 15/25/36
WEL3320P	M8.0 0.8mm BNZ36/40/501
WEL3325P	M8.0 0.9mm BNZ36/40/501
WEL3330P	M8.0 1.0mm BNZ36/40/501

TIP ADAPTOR



Stock code	Size
WEL3250P	MB15xM6
WEL3255P	MB25xM6
WEL3260P	MB36xM6

GAS DIFFUSER



Stock code	Size
WEL2250	MB36
WEL2255	MB40

SWAN NECK



Stock code	Size
WEL3100	MB15
WEL3105	MB25
WEL3110	MB36
WEL3115	MB40

TIG TORCH



Stock code	Size
WEL3535	17V 2PC 4M
WEL3540	26V 2PC 4M

TIG TORCH BODY



Stock code	Size
WEL3560	17V
WEL3565	26V

TIG TORCH CERAMIC NOZZLES



Stock code	Size
WEL2960	No.8 10N46
WEL2685	No.7 10N47
WEL2680	No.6 10N48
WEL2675	No.5 10N49
WEL2670	No.4 10N50

TIG TORCH COLLET



Stock code	Size mm
WEL1100	Collet 1.6
WEL1105	Collet 2.4
WEL1115	Collet Body 1.6
WEL1120	Collet Body 2.4

TIG TORCH TUNGSTEN ELECTRODES



Stock code	Size mm
WEL2150	Red Tip 1.6
WEL2155	Red Tip 2.4
WEL2165	White Tip 1.6
WEL2170	White Tip 2.4

GAS CUTTING NOZZLES



Stock code	Size mm
WEL2795P	ANM 0.8
WEL2810P	ANM 1.2
WEL2790P	ANM 1.6
WEL2805P	ANM 2.4
WEL2854P	PNM 0.8
WEL2806P	PNM 1.2
WEL2840P	PNM 1.6

NOZZLE CLEANER



Stock code	Size mm
WEL2715GP	130

TRIPLE FLINT LIGHTER



Stock code

WEL3700

WELDING CHIPPING HAMMER



Stock code	Size
WEL2310P	300gram

WELDING HELMETS



Stock code	Description
WEL2320	Auto Dark Adjustable Yellow/Blue
WEL2325	Auto Dark Non Adjustable Black
WEL2321	Auto Dark Non Adjustable Solar
WEL2324	Flip Front

PERSONAL PROTECTIVE EQUIPMENT

HARD HAT



Stock code	Colour
SFT2400	Blue
SFT2435	White
SFT2440	Yellow

SAFETY SPECS



Stock code	Description
------------	-------------

SFT4500P	Euro Amber Adjustable Frame
SFT4510P	Euro Clear Adjustable Frame
SFT4520P	Euro Green Adjustable Frame
SFT4530P	Euro Grey Adjustable Frame



Stock code	Description
------------	-------------

SFT4584P	Sport Style Grey1
SFT4590P	Sport Style Anti Scratch Amber
SFT4600P	Sport Style Anti Scratch Green



Stock code	Description
------------	-------------

SFT4610P	Wrap Around Clear
SFT4620P	Wrap Around Green

EAR PLUGS



Stock code

EARPLUG-FOAM
EARPLIG-CORDED

GLOVES



Stock code	Description
------------	-------------

SFT1420P	Glove Cotton Knitted Polka Dot Wrist
SFT1422P	Glove Gripper green Wrist
SFT1430P	Glove Latex Commarex Knit Wrist



Stock code	Description
------------	-------------

SFT1458P	Glove Latex Household Yellow Medium
SFT1460P	Glove Latex Household Yellow Large
SFT1462P	Glove Latex Household Yellow X Large



Stock code	Description
------------	-------------

SFT1500P	Glove Leather Blue Kevlar Stiched Elbow
SFT1510P	Glove Leather Blue Kevlar Stiched Wrist
SFT1670P	Glove Leather Red Kevlar Stiched Elbow
SFT1680P	Glove Leather Red Kevlar Stiched Wrist



Stock code	Description
------------	-------------

SFT1520P	Glove Leather Candy Stripe Rigger Wrist
SFT1540P	Glove Leather Chrome Candy Stripe Wrist
SFT1690P	Glove Leather Yellow Candy Stripe Wrist

GLOVES



Stock code

Description

SFT1550P

Glove Leather Chrome Double Palm Elbow

SFT1570P

Glove Leather Chrome Double Palm Wrist



Stock code

Description

SFT1580P

Glove Leather Chrome Green Red Wrist



Stock code

Description

SFT1591P

Glove Latex Crayfish Wrist



Stock code

Description

SFT1600P

Glove Goat Skin TIG



Stock code

Description

SFT1620P

Glove Leather Green Econo Elbow

SFT1630P

Glove Leather Green Econo Wrist



GLOVES



Stock code

Description

SFT1698P

Glove Flex Handyman Black



Stock code

Description

SFT1720P

Glove Nitrile Black and Red Sandy Palm

SFT1722P

Glove Nitrile Orange and Black Palm Dipped

SFT1730P

Glove Nitrile Black and Red Smooth Palm-

SFT1735

Glove Nitile Grey and White Finger Dip

SFT1432P

Glove Nitrile Green Elbow



Stock code

Description

SFT1760P

Glove Rubber Rough Builders Elbow Black

SFT1770P

Glove Rubber Rough Builders Ellbow black



Stock code

Description

SFT1800P

Glove PVC Freezer Knit Wrist

SFT1810P

Glove PVC Red Knit Wrist

SFT1820P

Glove PVC Red Knit Wrist Rough Palm

SFT1830P

Glove PVC Red Open Cuff Elbow

SFT1840

Glove PVC Red Open Cuff Shoulder

SFT1850P

Glove PVC Red Open Cuff Wrist

DETERGENTS



Stock code	Description
OPT1246	Degreaser 5L-D Pink Onpoint
OPT1248	Degrease 25L-B Onpoint
OPT1260	Degreaser 25LD Onpoint Yellow
OPT1400	Dishwasher Liquid 5L-D
OPT2040	Hand Cleaner Onpoint 5kg Grit Pink
OPT2050	Hand Cleaner Onpoint Grit Pink 20kg
OPT2350	Handi Aid White 5L-D
OPT2500	Pine Gel Onpoint 5L-D

JTB COOLANTS & CUTTING OILS



Stock code	Description
NO1-5	Fully Synthetic Grinding Fluid 5 ltr D150
NO3-5	Cutting Fluid for Tapping 5 ltr cut 65
NO8-5	Soluble Oil Semi Synthetic 5 ltr U400
NO8-20	Soluble Oil Semi Synthetic 20 ltr U400
NO9-5	Soluble Fluid Semi Synthetic 5 ltr U375
NO9-20	Soluble Fluid Semi Synthetic 20 ltr U375
NO10-5	Soluble Oil General Purpose 5 ltr U115
NO10-20	Soluble Oil General Purpose 20 ltr U115
NO11-5	Coolant for Mist Spray 5 ltr EP9
NO20-20	Guideway Slide Oil 20 ltr 68
NO21-20	Hydraulic Oil 20 ltr HLP46
NO22-20	Hydraulic Oil 20 ltr HLP68

MOISTURE REPELLANT



Stock code	Size kg
Q20-300	300gram

WASTE RAGS A GRADE



Stock code	Size kg
------------	---------

WR5	5
WR25	25

Cromwell COMBINATION PLIER

steel, serrated, bi material handle



Stock code	Size mm
KEN5582040K	200
KEN5582030K	180

Cromwell LONG NOSE PLIERS

steel, serrated, vinyl coated handle



Stock code	Size mm
KEN5583230K	200
KEN5583050K	160

Cromwell DIAGONAL CUTTERS
chrome vanadium vinyl coated handle



Stock code	Size mm
------------	---------

KEN5583430K	180
KEN5583300K	130

Cromwell CIRCLIP PLIERS
External Straight



Stock code	Size mm
------------	---------

KEN5586520K	125
KEN5586570K	175
KEN5586620K	250

Cromwell CIRCLIP PLIERS
Internal straight



Stock code	Size mm
------------	---------

KEN5586500K	125
KEN5586550K	175
KEN5586600K	250

Cromwell CIRCLIP PLIERS
External Bent



Stock code	Size mm
------------	---------

KEN5586530K	125
KEN5586580K	175
KEN5586630K	250

Cromwell CIRCLIP PLIERS
Internal Bent



Stock code	Size mm
------------	---------

KEN5586510K	125
KEN5586560K	175
KEN5586610K	250

Cromwell WATERPUMP PLIERS
Groove Joint



Stock code	Size mm
------------	---------

KEN5583670K	190
KEN5583680K	255
KEN5583700K	320
KEN5583710K	405

Cromwell VICE GRIP

Straight



Curved



Stock code	Size mm
------------	---------

SEN5587070K	STRAIGHT 180
SEN5587100K	STRAIGHT 255
SEN5587170K	CURVED 180
SEN5587200K	CURVED 255

Cromwell BOLT CUTTER
Dropped Forge Carbon Steel



Stock code	Size mm
------------	---------

KEN5923520K	300
KEN5923540K	350
KEN5923560K	450
KEN5923580K	600
KEN5923600K	750
KEN5923620K	900

Cromwell COMBINATION SPANNER SET
15 degree offset



Stock code	Description
------------	-------------

SEN5825202C	SPANNER SET 6-19MM 14 PCS
SEN5825202D	SPANNER SET 6-32 MM 25 PCS

Cromwell RATCHET WRENCH SET



Stock code	Description
------------	-------------

KEN5822236K	RATCHET WRENCH 10-19MM 9PCS
-------------	-----------------------------

Cromwell ADJUSTABLE WRENCH
Dropped forged chrome vanadium



Stock code	Size mm
------------	---------

SEN5014360K	150
SEN5014380K	200
SEN5014400K	250
SEN5014420K	300

Cromwell PIPE WRENCH
Leader pattern, Chrome Vanadium Jaws



Stock code	Size mm
------------	---------

SEN5885510K	250
SEN5885512K	300
SEN5885514K	350
SEN5885518K	450
SEN5885524K	600
SEN5885536K	900

Cromwell SOCKET SETS



Stock code	Description
------------	-------------

KEN5824893K	1/4 INCH DRIVE 4-14MM 19PCS
-------------	-----------------------------

Cromwell SOCKET SETS



Stock code	Description
------------	-------------

KEN5827991K	1/2 INCH DRIVE 8-32MM 30PCS
-------------	-----------------------------

Cromwell SOCKET SETS



Stock code	Description
------------	-------------

KEN5828720K	3/4 INCH DRIVE 22-60MM 22PCS
-------------	------------------------------

Cromwell SOCKET SETS



Stock code	Description
------------	-------------

KEN5829470K	1 INCH SOCKET SET 36-80MM 15 PCS
-------------	----------------------------------

Cromwell HEX KEYS
Ball Type Storage Clip



Stock code

Size

KEN6024570K
KEN6025500K

1.5-6MM -7PCS
1.5-10MM -9PCS

Cromwell TORX KEYS
In Plastic Clip



Stock code

Size

KEN6030760K

T8-T40 -9PCS

Cromwell RETRACTABLE UTILITY KNIFE



Stock code

Size

SEN5370500K

160

Cromwell TOOLBOX
Cantlever Steel



Stock code

Description

SEN5370500K

530X20

Cromwell TOOL TRUNK
Heavy Gauge Steel



Stock code

Description

KEN5940060K

508x218x413

Cromwell ROLLER CABINETS



Stock code

Description

SEN5941570K

7 DRAW 724X678X459 CAPACITY 300KG

Cromwell TOP CHEST
Cantlever Steel



Stock code

Description

SEN5940200K

3 DRAW 304X520X218 CAPACITY 30KG

JTB ARTISAN TOOLKITS



All Artisan toolkits made in house to customers requirements





Stock code	Description
AWS3	Automatic Wire Stripper 1-3.2mm
BPH900	Ball Pein Hammer 900
SSQ62	Centre Punch 5x100mm
ECPS175	Circlip Pliers External Straight 175mm
ECPB175	Circlip Pliers External Bent 175mm
ICPB175	Circlip Pliers Internal Bent 175mm
ICPS175	Circlip Pliers Internal Straight 175mm
CCF19X180	Cold Chisel 19x180mm
CRIMPERMULT18	Crimper Multipurpose
1086	Diagonal Cutters 180mm
DI0-10	Dial Indicator
BTH0680	Digital Multimeter
SSC107CDIV	Divider Spring Joint 150mm
EARPLUG CORDED	Earplugs
FG26M	Feeler Gauge
FILESET	File Set 250mm
F300	Hacksaw Frame 300mm
BL-C9IN	H Key Set Ball End 1/16-38
BM-B9	Hex Key Set Ball End 1.5-10mm
HPS3-19	Hollow Punch Set
327	Level Magnetic
601-02-0	Magnetic Base Fine Adjust
OSM0-25	Outside Micrometer 0-25mm
OSM25-50	Outside Micrometer 25-50mm
724	Pipe Wrench 350mm
1082	Pliers Combination 200mm
1084	Pliers Long Nose 200mm
RNDLP150	Round Nose Pliers 160mm
SPEC-CLEAR	Safety Glasses
WWMM	Screw Pitch Gauges 55 and 60
SDSET6	Screwdriver Set 6 pcs
SMC69E	Scriber
SS150	Shifting Spanner 150mm
SS300	Shifting Spanner 300mm
1/2SSET8-32	Socket Set 8-32mm
CSSET6-32	Spanner Set Combination 6-32 26 pcs
SR300	Steel Rule 300mm
TM5	Tape Measure 5m
ETS350	Tin Snip 350
TB450	Tommy Bar
TC660	Toolbox Trunk 660x370x285
GED2506	Tube Spanner 10-11mm
GED2507	Tube Spanner 8-9mm
QUK	Utility Knife
V15002	Vernier 0-150mm 0.02
VG250	Vice Grip 250mm
WPP250	Water Pump Pliers 250mm
ZEUS	Zeus Data Book



Stock code	Description
ATSS	Aviation Tin Snips 250mm
BPH220	Ball Pein Hammer 220g
BPH900	Ball Pein Hammer 900g
ECPS175	Circlip Pliers External Straight 175mm
ECPB175	Circlip Pliers External Bent 175mm
ICPB175	Circlip Pliers Internal Bent 175mm
ICPS175	Circlip Pliers Internal Straight 175mm
CCF19X180	Cold Chisel 19x180mm
1086	Diagonal Cutters 180mm
DI0-10	Dial Indicator 58x0.01x10mm
SSC107CDIV	Divider Spring Joint 150mm
EARPLUG-CORDED	Earplugs
FG26M	Feeler Gauge
FILESET	File Set 250mm
F300	Hacksaw 300mm
BL-C9IN	Hex Key Set Ball End 1/16-38
BM-B9	Hex Key Set Ball End 1.5-10mm
HPS3-19(HOLLOW)	Hollow Punch Set 3-20mm
SSC107CIS	Inside Spring Joint Caliper 150mm
SJC107C	Jenny Caliper
601-02-0	Mag Base Fine Adjustment
OSM0-25	Outside Micrometer 0-25mm
OSM25-50	Outside Micrometer 25-50mm
SSC107COS	Outside Spring Joint Caliper 150mm
SDP67S	Pin Punch Set
724	Pipe Wrench 350mm
1082	Pliers Combination 200mm
1084	Pliers Long Nose 200mm
PRICK-P	Prick Punch 8mm
SPEC-CLEAR	Safety Glasses
WWMM	Screw Pitch Gauge 55 and 60
SDSET6	Screwdriver Set 6 pcs
SMC69E	Scriber
SS150C	Shifting Spanner 150mm
SS300C	Shifting Spanner 300mm
1/2SSET8-32	Socket Set 8-32mm
SFH	Soft Face Hammer
CSSET6-24	Spanner Set 6-24mm 19 pcs
SR300	Steel Rule 300mm
TM5	Tape Measure 5m
TB450	Tommy Bar 450mm
TC660	Toolbox Trunk 660x370x285
V15002	Vernier 0- 150mm 0.02
ZEUS	Zeus Data Book

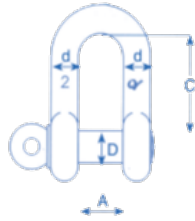
PLATER WELDER TOOLBOX


Stock code	Description
GBL0060	Apron Chrome Leather
BPH900	Ball Pein Hammer 900g
BS600X400	Boilermaker Square 600X400
CNT6	Centering Head
SSQ62	Centre Punch 5x8x100
ROL0050	Chalk
CLM	Chalkline
CCF19X180	Cold Chisel 19x180mm
CNT1	Curvemark Contour Marker
SES101D	Engineers Square 150mm
FILESET	File Set 250mm
SFT1570P	Gloves Wrist Double Palm
F300	Hacksaw Frame 300mm
BL-C9IN	Hex Key Set Ball End 1/16-38
BM-B9	Hex Key Set Ball End 1.5-10mm
SSC107CIS	Inside Spring Joint Caliper 150mm
60R	Line of Chords
SSC107COS	Outside Spring Joint Caliper 150mm
PRICK-P	Prick Punch
SPEC-CLEAR	Safety Glasses
SDSET6	Screwdriver Set 6pcs
SMC69E	Scriber
SB200A	Sliding Bevel Aluminium
CSSET6-32	Spanner Set 6-32 22pcs
251B	Steel Beam Trammel
SR300	Steel Rule 300mm
SR600	Steel Rule 600mm
TM30	Tape Measure 30m
TM5	Tape Measure 5m
ETS200	Tin snips English 200
WEL2715GP	Tip Cleaner Set
TC660	Toolbox Trunk 660x370x285mm
WEL3700	Triple Flint Lighter
VG250	Vice Grip 250mm
WAN0340	Welding Goggles
HON3030	Welding Helmet

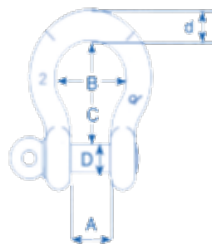
ELECTRICAL TOOLBOX


Stock code	Description
AWS3	Automatic Wire Stripper 1-3.2mm
BPH450	Ball Pein Hammer 450G
CRIMPERMULTI18	Crimper Multipurpose
KEN11014	Diagonal Cutter 1000V 200mm
BTH0680	Digital Multimeter
SSC107CDIV	Divider Spring Joint 150mm
EARPLUG-CORDED	Earplugs
FILESET	File set 250mm
F300	Hacksaw Frame 300mm
BL-C9IN	Hex Key set Ball End 1/16-38
BM-B9	Hex Key set Ball End 1.5-10mm
SDP67S	Pin Punch set
KEN11032	Plier Long Nose 1000V 200mm
KEN11003	Pliers Engineers 1000V 200mm
RNDLP150	Round Nose Pliers 150mm
SPEC-CLEAR	Safety Glasses
SDSET6	Screwdriver Set 6pcs
SMC69E	Scriber
SS300C	Shifting Spanner 300mm
1/2SSET8-22	Socket Set 1/2 8-22mm 13pcs
CSSET6-24/17	Spanner Set 6-24mm 15 Degree
SR300	Steel Rule 300mm
SES101D	Steel Square 150mm
TM3	Tape Measure 3m
TC660	Toolbox Trunk 5 tray
QUK	Utility Knife
V15002	Vernier 0-150mm 0.02
VG250	Vice Grip 250mm
WPP250	Water pump Pliers 250mm

MYTE LIFTING EQUIPMENT
GALVANISED SCREW PIN SHACKLES



SML KG	d mm	D mm	A mm	C mm
500	6	8	12	22
750	8	10	14	26
1000	10	11	17	32
1500	11	13	18	37
2000	13	16	21	41
3250	16	20	27	51
4750	20	22	32	60
6500	22	26	37	71
8500	26	28	43	81
9500	28	32	46	90
12000	32	35	52	100
13500	35	38	57	111
17000	38	42	60	122
25000	44	51	73	146
35000	51	57	82	171
55000	66	70	105	203



SML KG	d mm	D mm	A mm	B mm	C mm
500	6	8	13	20	28
750	8	10	14	21	31
1000	10	11	17	26	37
1500	11	13	18	29	43
2000	13	16	21	33	48
3250	16	20	27	43	60
4750	20	22	32	51	71
6500	22	26	37	58	84
8500	26	28	43	68	95
9500	28	32	46	74	108
12000	32	35	52	83	119
13500	35	38	56	89	132
17000	38	42	60	98	146
25000	44	51	73	127	178
35000	51	57	82	146	197
55000	66	70	105	184	267

FLAT SLINGS AND ENDLESS ROUND SLINGS



Webbing Width (mm)	Colour Coded According to DIN-EN-1492-1	Working Load Limit with 1 Webbing Sling				
		Straight Lift	Choked Lift	Lift in different Angle		
				0°-7°	7°-45°	45°-60°
		1.0	0.8	2.0	1.4	1.0
50	WLL1T	1000	800	2000	1400	1000
60	WLL2T	2000	1600	4000	2800	2000
90	WLL3T	3000	2400	6000	4200	3000
120	WLL4T	4000	3200	8000	5600	4000
150	WLL5T	5000	4000	10000	7000	5000
180	WLL6T	6000	4800	12000	8400	6000
240	WLL8T	8000	6400	16000	11200	8000
300	WLL10T	10000	8000	20000	14000	10000

Webbing Width (mm)	Colour Coded According to DIN-EN-1492-1	Working Load Limit with 2 Webbing Slings			
		Straight Lift up to	Choked Lift up to	Straight Lift up to	Choked Lift up to
		45°	45°	45°-60°	45°-60°
		1.4	1.12	1.0	0.8
50	WLL1T	1400	1120	1000	800
60	WLL2T	2800	2240	2000	1600
90	WLL3T	4200	3360	3000	2400
120	WLL4T	5600	4480	4000	3200
150	WLL5T	7000	5600	5000	4000
180	WLL6T	8400	6720	6000	4800
240	WLL8T	11200	8960	8000	6400
300	WLL10T	14000	11200	10000	8000

POLYESTER ROUND WEBBING SLINGS



Colour Coded According to DIN-EN-1492-1	Working Load Limit with 1 Webbing Sling						
	Straight Lift	Choked Lift	Lift in Different Angle				
			0°–7°	7°–45°	45°–60°	Up to 45°	45°–60°
	1.0	0.8	2.0	1.4	1.0	0.7	0.5
WLL1T	1000	800	2000	1400	1000	700	500
WLL2T	2000	1600	4000	2800	2000	1400	1000
WLL3T	3000	2400	6000	4200	3000	2100	1500
WLL4T	4000	3200	8000	5600	4000	2800	2000
WLL5T	5000	4000	10000	7000	5000	3500	2500
WLL6T	6000	4800	12000	8400	6000	4200	3000
WLL8T	8000	6400	16000	11200	8000	5600	4000
WLL10T	10000	8000	20000	14000	10000	7000	5000
WLL12T	12000	9600	24000	16800	12000	8400	6000
WLL15T	15000	12000	30000	21000	15000	10500	7500
WLL20T	20000	16000	40000	28000	20000	14000	10000
WLL30T	30000	24000	60000	42000	30000	21000	15000
WLL50T	50000	40000	100000	70000	50000	35000	25000
WLL60T	60000	48000	120000	84000	60000	42000	30000
WLL80T	80000	64000	160000	112000	80000	56000	40000
WLL100T	100000	80000	200000	140000	100000	70000	50000

POLYESTER ROUND WEBBING SLINGS



Colour Coded According to DIN-EN-1492-1	Working Load Limit with 2 Webbing Sling			
	Straight Lift Up to	Choked Lift Up to	Straight Lift	Choked Lift
	45°	45°	45°–60°	45°–60°
	1.4	1.12	1.0	0.8
WLL1T	1400	1120	1000	800
WLL2T	2800	2240	2000	1600
WLL3T	4200	3360	3000	2400
WLL4T	5600	4480	4000	3200
WLL5T	7000	5600	5000	4000
WLL6T	8400	6720	6000	4800
WLL8T	11200	8960	8000	6400
WLL10T	14000	11200	10000	8000
WLL12T	16800	13440	12000	9600
WLL15T	21000	16800	15000	12000
WLL20T	28000	22400	20000	16000
WLL30T	42000	33600	30000	24000
WLL50T	70000	56000	50000	40000
WLL60T	84000	67200	60000	48000
WLL80T	112000	89600	80000	64000
WLL100T	140000	112000	100000	80000

LEVER HOIST



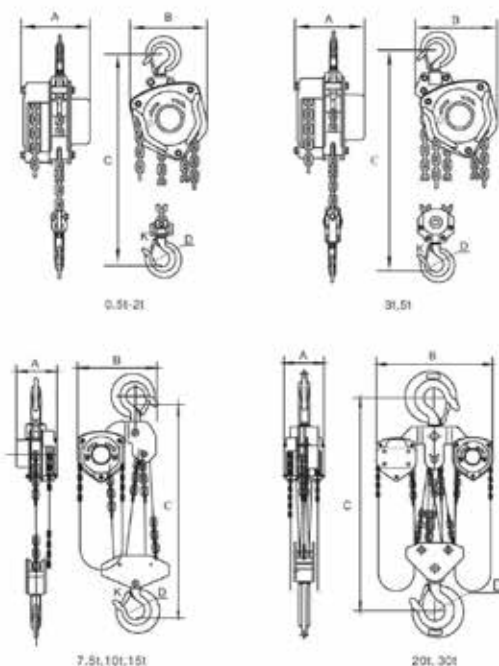
Model		HSZ-0.5	HSZ-1	HSZ-1.5		HSZ-2	
Capacity	t	0.5	1	1.5	1.5	2	2
Standard Lift	m	2.5	2.5	2.5	2.5	3	3
Running Test Load	kN	7.5	15	22.5	22.5	30	30
Effort Re-quired to Lift Rated Load	N	225	300	310	350	300	310
Diameter of Load Chain	mm	5×15	6×18	7.1×21	8×24	6×18	8×24
Strands of Load Chain		1	1	1	1	2	1
Dimensions (mm)	A	130	150	150	155	150	155
	B	145	155	176	176	155	195
	C	310	325	390	390	450	410
	D	34	38	47	47	46	46
	K	25	27	35	35	36	36
Net Weight	kg	8.25	10.7	13.5	14.5	14.5	15.8
Packing Mea- surement	cm	24.5×19 ×18	28×19 ×19	30.5×21×19		31×20 ×19	30×23 ×23
Extra Weight per Meter of Extra Lift	kg	1.3	1.6	2	2.3	2.2	2.3

Model		HSZ-3			HSZ-5		HSZ-7.5
Capacity	t	3	3	3	5	5	5
Standard Lift	m	3	3	3	3	3	3
Running Test Load	kN	45	45	45	75	75	75
Effort Re-quired to Lift Rated Load	N	350	370	415	400	415	415
Diameter of Load Chain	mm	7.1×21	8×24	10×30	9×27	10×30	10×30
Strands of Load Chain		2	2	1	2	2	2
Dimensions (mm)	A	150	155	185	182	185	185
	B	208	200	253	260	253	253
	C	475	520	650	610	650	650
	D	51	51	66	66	66	66
	K	39	36	46	52	46	46
Net Weight	kg	20	22.4	36	34.4	36	36
Packing Mea- surement	cm	34×24×19		49×29 ×23	49×29×23		47×42 ×23
Extra Weight per Meter of Extra Lift	kg	3.2	3.7	3.1	4.5	5.3	5.3

LEVER HOIST



Model		HSZ-10		HSZ-15	HSZ-20		HSZ-30
Capacity	t	10	10	15	20	20	30
Standard Lift	m	3	3	3	3	3	3
Running Test Load	kN	150	150	225	300	300	450
Effort Re-quired to Lift Rated Load	N	410	415	420	410 *2	410 *2	410 *2
Diameter of Load Chain	mm	9×27	10×30	10×30	9×27	10×30	10×30
Strands of Load Chain		4	4	6	8	8	12
Dimensions (mm)	A	183	183	213	202	238	320
	B	365	365	415	650	650	670
	C	750	780	970	900	930	1050
	D	81	80	98	109	108	108
	K	58	51	65	69	71	72
Net Weight	kg	60	66	110	120	153	215
Packing Mea- surement	cm	47×42×22		97×48×23	80×70 ×24	80×70 ×23	80×70 ×37
Extra Weight per Meter of Extra Lift	kg	8.1	9.7	14	16.2	19.3	28.2



ELECTRIC CHAIN HOIST



Model	Capacity (t)	Standard Lift (m)	Test Load (kN)	Motor Power (kW) Single/Dual
HHB-0.5AF	0.5	3	6.25	0.75 / 0.8 / 0.27
HHB-1.0AF	1.0	3	12.5	1.5 / 1.8 / 0.6
HHB-1.0BF	1.0	3	12.5	0.75 / 0.8 / 0.27
HHB-2.0AF	2.0	3	25.0	3.0 / 3.0 / 1.0
HHB-2.0BF	2.0	3	25.0	1.5 / 1.8 / 0.6
HHB-3.0AF	3.0	3	37.5	3.0 / 3.0 / 1.0
HHB-3.0BF	3.0	3	37.5	3.0 / 3.0 / 1.0
HHB-5.0F	5.0	3	62.5	3.0 / 3.0 / 1.0
HHB-7.5F	7.5	3	94.0	3.0 / 3.0 / 1.0
HHB-10F	10.0	6	125.0	3.0x2 / 3.0x2 / 1.0x2
HHB-15F	15.0	6	187.5	3.0x2 / 3.0x2 / 1.0x2
HHB-20F	20.0	6	250.0	3.0x2 / 3.0x2 / 1.0x2
HHB-25F	25.0	6	312.5	3.0x2 / 3.0x2 / 1.0x2
HHB-30F	30.0	6	375.0	3.0x2 / 3.0x2 / 1.0x2
HHB-35F	35.0	6	437.5	3.0x2 / 3.0x2 / 1.0x2

Model	No. of Chain	Dia of Chain (mm)	Lifting Speed (m/min) Single/Dual	Net Weight (kg)	Extra Weight per Meter of Extra Lift (kg)
HHB-0.5AF	1	6.3	6.8/6.0/2.3	47	0.81
HHB-1.0AF	1	7.1	6.6/6.6/2.3	61	1.1
HHB-1.0BF	2	6.3	3.4/3.5/1.2	52	1.62
HHB-2.0AF	1	10.0	6.6/6.8/2.3	115	2.3
HHB-2.0BF	2	7.1	3.3/3.3/1.1	73	2.2
HHB-3.0AF	1	11.2	5.4/5.4/1.8	122	2.8
HHB-3.0BF	2	10.0	4.4/4.5/1.5	131	4.7
HHB-5.0F	2	11.2	2.8/2.7/0.9	151	5.6
HHB-7.5F	3	11.2	1.8/1.8/0.6	266	8.4
HHB-10F	4	11.2	2.7/2.7/0.9	335	11.2
HHB-15F	6	11.2	1.8/1.8/0.6	451	17
HHB-20F	8	11.2	1.4/1.4/0.47	530	23.8
HHB-25F	10	11.2	1.1/1.1/0.4	624	28.0
HHB-30F	12	11.2	0.9/1.0/0.3	1143	31.0
HHB-35F	16	11.2	0.7/0.7/0.25	1385	44.8

Cromwell BEARING PULLERS 2 LEGS



Stock code	Spread	Reach	TreadLength
KEN503-3010K	76	65	125
KEN503-3011K	102	86	162
KEN503-3012K	153	140	202
KEN503-3013K	203	200	317

Cromwell BEARING PULLERS 3 LEGS



Stock code	Spread	Reach	TreadLength
KEN503-3014K	76	65	125
KEN503-3015K	102	86	162
KEN503-3016K	153	140	202
KEN503-3017K	203	200	317

Cromwell BEARING SEPARATOR SET MECHANICAL



Stock code	Range mm
KEN5033520K	30-75
Includes 2 Separators, 2 Extension Rods & Cross Beam	

Cromwell HYDRAULIC SEPARATOR SET
10 TON CAPACITY



Stock code

Range mm

KEN503-4700K
KEN503-4720K

105-150
75-105

Cromwell HYDRAULIC PULLER AND SEPARATOR SET
10 TON CAPACITY



Stock code

Seperator mm

Puller 3 leg mm

KEN 203-3520K

75-105

100,150, 200



LOCK BUSH



TAPER



Please send enquiries for Bearings,
Pulleys, Gear Motors, V belts , Taper
Lock Bushes, Couplings etc

sales@jtbind.co.za
Phone 061 589 7071
www.jtbind.co.za

CORE HOLES FOR TAPPING

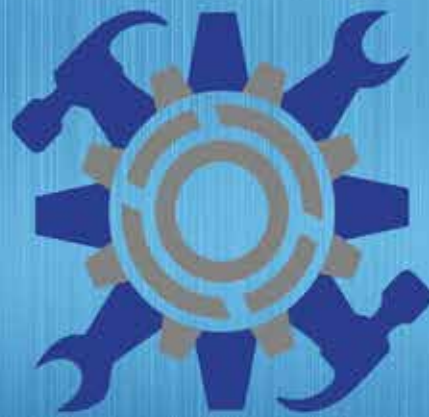
ISO 724/965.1	Pitch	Core Ø		Drill	ISO 724/965.1
M		Min	Max	Ø	
1	0,25	0,729	0,785	0,75	
1,1	0,25	0,829	0,885	0,85	
1,2	0,25	0,929	0,985	0,95	
1,4	0,3	1,075	1,142	1,1	
1,6	0,35	1,221	1,321	1,25	
1,7	0,35	1,256	1,346	1,3	
1,8	0,35	1,421	1,521	1,45	
2	0,4	1,567	1,679	1,6	
2,2	0,45	1,713	1,838	1,75	
2,3	0,4	1,795	1,920	1,9	
2,5	0,45	2,013	2,138	2,05	
2,6	0,45	2,036	2,176	2,1	
3	0,5	2,459	2,599	2,5	
3,5	0,6	2,850	3,010	2,9	
4	0,7	3,242	3,422	3,3	
4,5	0,75	3,688	3,878	3,75	
5	0,8	4,134	4,334	4,2	
6	1	4,917	5,153	5	
7	1	5,917	6,153	6	
8	1,25	6,647	6,912	6,8	
9	1,25	7,647	7,912	7,8	
10	1,5	8,376	8,676	8,5	
11	1,5	9,376	9,676	9,5	
12	1,75	10,106	10,441	10,2	
14	2	11,835	12,210	12	
16	2	13,835	14,210	14	
18	2,5	15,294	15,744	15,5	
20	2,5	17,294	17,744	17,5	
22	2,5	19,294	19,744	19,5	
24	3	20,752	21,252	21	
27	3	23,752	24,252	24	
30	3,5	26,211	26,771	26,5	
33	3,5	29,211	29,771	29,5	
36	4	31,670	32,270	32	
39	4	34,670	35,270	35	
42	4,5	37,129	37,799	37,5	
45	4,5	40,129	40,799	40,5	
48	5	42,587	43,297	43	
52	5	46,587	47,297	47	
56	5,5	50,046	50,796	50,5	

MF ISO 724/995.1		Core Ø		Drill
MF	Pitch	Min	Max	Ø
2,5	0,35	2,121	2,221	2,2
3	0,35	2,621	2,721	2,6
3,5	0,35	3,121	3,221	3,1
4	0,5	3,459	3,599	3,5
4,5	0,5	3,959	4,099	4
5	0,5	4,459	4,599	4,5
5,5	0,5	4,959	5,099	5
6	0,75	5,188	5,378	5,2
7	0,75	6,188	6,378	6,2

Pitch	Core Ø		Drill	
MF		Min	Max	Ø
8	0,75	7,188	7,378	7,2
8	1	6,917	7,153	7
9	0,75	8,188	8,378	8,2
9	1	7,917	8,153	8
10	0,75	9,188	9,378	9,2
10	1	8,917	9,153	9
10	1,25	8,647	8,912	8,8
11	0,75	10,188	10,378	10,2
11	1	9,917	10,153	10
12	1	10,917	11,153	11
12	1,25	10,647	10,912	10,8
12	1,5	10,376	10,676	10,5
14	1	12,917	13,153	13
14	1,25	12,647	12,912	12,8
14	1,5	12,376	12,676	12,5
15	1	13,917	14,153	14
15	1,5	13,376	13,676	13,5
16	1	14,917	15,153	15
16	1,5	14,376	14,676	14,5
17	1	15,917	16,153	16
17	1,5	15,376	15,676	15,5
18	1	16,917	17,153	17
18	1,5	16,376	16,676	16,5
18	2	15,835	16,210	16
20	1	18,917	19,153	19
20	1,5	18,376	18,676	18,5
20	2	17,835	18,210	18
22	1	20,917	21,153	21
22	1,5	20,376	20,676	20,5
22	2	19,835	20,210	20
24	1	22,917	23,153	23
24	1,5	22,376	22,676	22,5
24	2	21,835	22,210	22
25	1	23,917	24,153	24
25	1,5	23,376	23,676	23,5
25	2	22,835	23,210	23
27	1	25,917	26,153	26
27	1,5	25,376	25,676	25,5
27	2	24,835	25,210	25
28	1	26,917	27,153	2
28	1,5	26,376	26,676	26,5
28	2	25,835	26,210	26
30	1	28,917	29,153	29
30	1,5	28,376	28,676	28,5
30	2	27,835	28,210	28
30	3	26,752	27,252	27
32	1,5	30,376	30,676	30,5
32	2	29,835	30,210	30
33	1,5	31,376	31,676	31,5
33	2	30,835	31,210	31
33	3	29,752	30,252	30
35	1,5	33,376	33,676	33,5
36	1,5	34,376	34,676	34,5

SHAFT DIAMETERS FOR MALE THREADS

					ISO 724/965.1	Pitch	Ø ISO-6g		basic size	
ISO 724/965.1	Pitch	Thread outside Ø ISO-6g		Turning Ø basic size	MF		Min	Max	Ø	
M		Min	Max	Ø						
					8	0,5	7,874	7,980	7,93	
1	0,25	0,933	1,000	0,97	8	0,75	7,838	7,978	7,90	
1,1	0,25	1,033	1,100	1,07	8	1	7,794	7,974	7,88	
1,2	0,25	1,133	1,200	1,17	9	0,5	8,874	8,980	8,93	
1,4	0,3	1,325	1,400	1,36						
					9	0,75	8,838	8,978	8,90	
1,6	0,35	1,496	1,581	1,54	9	1	8,794	8,974	8,88	
1,8	0,35	1,696	1,781	1,74	10	0,5	9,874	9,980	9,93	
2	0,4	1,886	1,981	1,93	10	0,75	9,838	9,978	9,90	
2,2	0,45	2,080	2,180	2,13						
					10	1	9,794	9,974	9,88	
2,5	0,45	2,380	2,480	2,43	10	1,25	9,760	9,972	9,86	
3	0,5	2,874	2,980	2,92	11	0,5	10,874	10,980	10,93	
3,5	0,6	3,354	3,479	3,41	11	0,75	10,838	10,978	10,90	
4	0,7	3,838	3,978	3,91						
					11	1	10,794	10,974	10,88	
4,5	0,75	4,338	4,478	4,41	11	1,25	10,760	10,972	10,86	
5	0,8	4,826	4,976	4,90	12	0,5	11,874	11,980	11,93	
6	1	5,794	5,974	5,88	12	0,75	11,838	11,978	11,90	
7	1	6,794	6,974	6,88						
					12	1	11,794	11,974	11,88	
8	1,25	7,760	7,972	7,87	12	1,25	11,760	11,972	11,86	
10	1,5	9,732	9,968	9,85	12	1,5	11,732	11,968	11,85	
12	1,75	11,701	11,966	11,83	13	0,75	12,838	12,978	12,90	
14	2	13,682	13,962	13,82						
					13	1	12,794	12,974	12,88	
16	2	15,682	15,962	15,82	14	0,5	13,874	13,980	13,93	
18	2,5	17,623	17,958	17,79	14	0,75	13,838	13,978	13,90	
20	2,5	19,623	19,958	19,79	14	1	13,794	13,974	13,88	
22	2,5	21,623	21,958	21,79						
					14	1,25	13,760	13,972	13,65	
24	3	23,577	23,952	23,77	14	1,5	13,732	13,968	13,85	
27	3	26,577	26,952	26,77	15	1	14,794	14,974	14,88	
30	3,5	29,522	29,947	29,73	15	1,5	14,732	14,968	14,85	
33	3,5	32,522	32,947	32,73						
					16	0,5	15,874	15,980	15,93	
36	4	35,465	35,940	35,70	16	0,75	15,838	15,978	15,90	
39	4	38,465	38,940	38,70	16	1	15,794	15,974	15,88	
42	4,5	41,437	41,937	41,69	16	1,25	15,760	15,972	15,86	
45	4,5	44,437	44,937	44,69						
					16	1,5	15,732	15,968	15,85	
48	5	47,399	47,929	47,66	17	1	16,794	16,974	16,88	
52	5	51,399	51,929	51,66	17	1,5	16,732	16,968	16,85	
					18	0,75	17,838	17,978	17,90	
MF ISO 724/965.1										
Thread outside Ø										
ISO-6g										
MF	Pitch	Min	Max	basic size						
2	0,25	1,915	1,982	1,95	18	1	17,794	17,974	17,88	
2,2	0,25	2,115	2,182	2,15	18	1,25	17,760	17,972	17,86	
2,5	0,35	2,396	2,481	2,44	18	1,5	17,732	17,968	17,85	
3	0,35	2,896	2,981	2,94	18	2	17,682	17,962	17,82	
3,5	0,35	3,396	3,481	3,44	19	1	18,794	18,974	18,88	
4	0,35	3,896	3,981	3,94	20	1	19,794	19,974	19,88	
4	0,5	3,874	3,980	3,93	20	1,5	19,732	19,968	19,85	
4,5	0,5	4,374	4,480	4,43	20	2	19,682	19,962	19,82	
5	0,35	4,896	4,981	4,94	22	1	21,794	21,974	21,88	
5	0,5	4,874	4,980	4,93	22	1,5	21,732	21,968	21,85	
5	0,75	4,838	4,978	4,90	22	2	21,682	21,962	21,82	
5,5	0,5	5,374	5,480	5,43	24	1	23,794	23,974	23,88	
6	0,5	5,874	5,980	5,93						
6	0,75	5,838	5,978	5,90	24	1,5	23,732	23,968	23,85	
7	0,5	6,874	6,980	6,93	24	2	23,682	23,962	23,82	
7	0,75	6,838	6,978	6,90	25	1	24,794	24,974	24,88	
					25	1,5	24,732	24,968	24,85	



JTB

Industrial Solutions

**NO. 23 GRAPHITE INDUSTRIAL PARK
FABRIEK STREET, STRIJDOM PARK,
RANDBURG**

011 234 1521

061 589 7071

SALES@JTBIND.CO.ZA

WWW.JTBIND.CO.ZA