

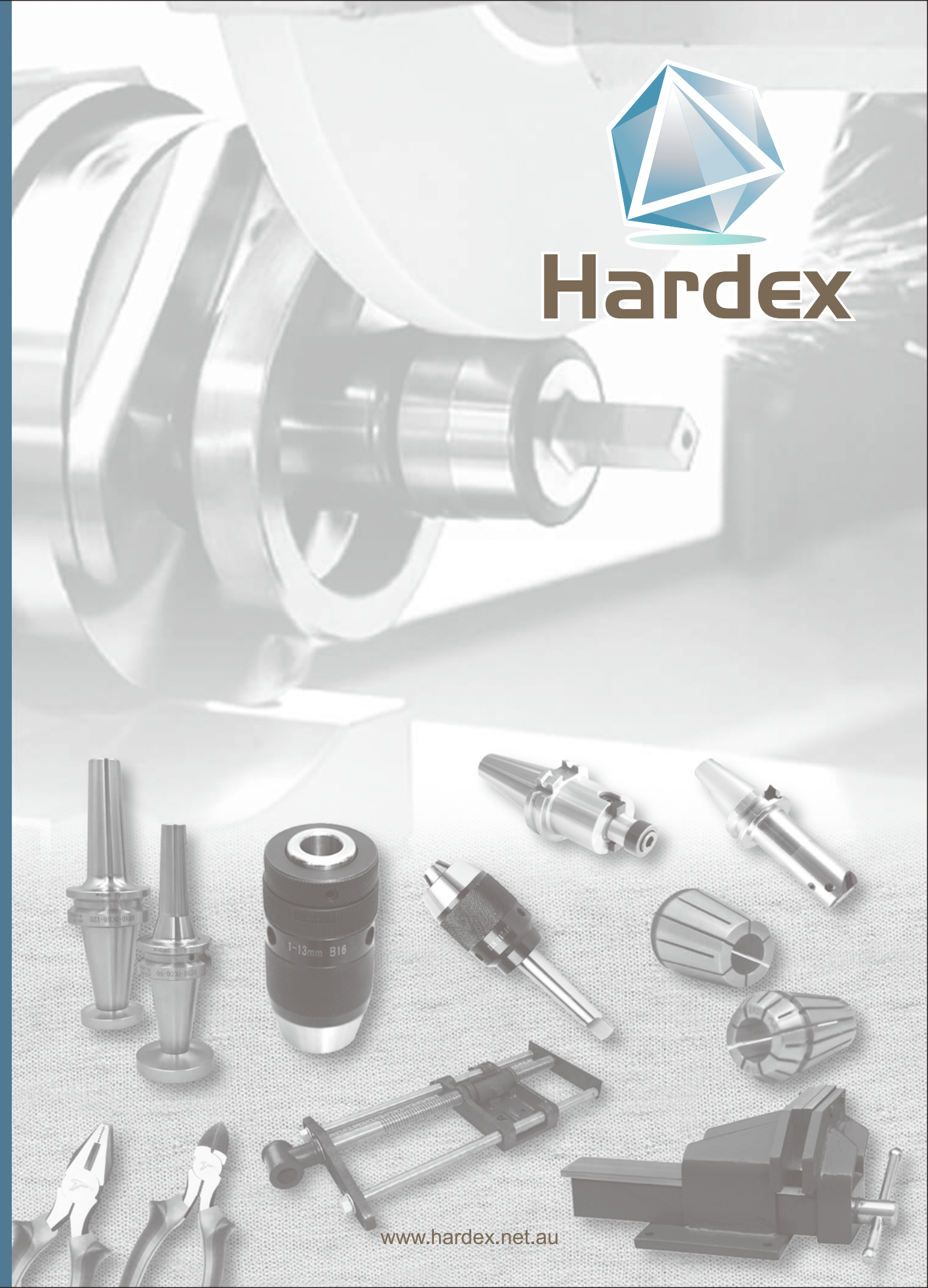


Hardex

Let's make tools better

HARDEX PTY LTD

ADD: 5/31 CHAPLIN DRIVE, LANE COVE, NSW 2066, AUSTRALIA
TEL: +61(0) 487 675 258
E-mail: info@hardex.net.au
WEB: www.hardex.net.au



www.hardex.net.au

Let's make tools better →



NOTE

KEYLESS DRILL CHUCK

- * Jaw Hardness HRC 55-58
- * High Rigidity:machining after heat treatment



(MORSE TAPER STOCK)				(THREADED STOCK)		
Range mm	Model No.	Taper	KGS	Model No.	UNF	KGS
0.5-6	HJ0106	B10(ϕ 10.094)	0.35	HJ0406	M10*1	0.35
1-10	HJ0110	B12(ϕ 12.065)	0.6	HJ0410	M12*1.25	0.6
1-13	HJ0113	B16(ϕ 15.733)	1.05	HJ0413	M12*1.25	1.05
	LJ0513		0.76	LJ0813		0.8
	HJ0113A		1.05	HJ0413A		1.05
	LJ0513A		0.76	LJ0813A		0.8
1-16	HJ0116	B18(ϕ 17.780)	1.28	HJ0416	M16*1.5	1.28
	LJ0516		1.03	LJ0816		1.03
	HJ0116A		1.28	HJ0416A		1.28
	LJ0516A		1.03	LJ0816A		1.03
1-20	HJ0120	B22(ϕ 21.793)	2.1			
5-25	HJ0125	B22(ϕ 21.793)	3.7			
	LJ0520		1.5			
Range Inch	Model No.	Taper	KGS	Model No.	UNF	KGS
1/64"-1/4"	HJ0206	JT1(ϕ 9.754)	0.35	HJ0306	3/8"-24UNF	0.35
1/32"-3/8"	HJ0210	JT2(ϕ 14.199)	0.6	HJ0310	3/8"-24UNF	0.6
1/32"-1/2"	HJ0213	JT33(ϕ 15.850)	1.05	HJ0313	1/2"-20UNF	1.05
	LJ0613		0.76	LJ0713		0.8
	HJ0213A		1.05	HJ0313A		1.05
	LJ0613A		0.76	LJ0713A		0.8
1/32"-5/8"	HJ0216	JT3(ϕ 20.599)	1.28	HJ0316	5/8"-16UNF	1.28
	LJ0616		1.03	LJ0716		1.03
	HJ0216A		1.28	HJ0316A		1.28
	LJ0616A		1.03	LJ0716A		1.03
1/32"-3/4"	HJ0220	JT3(ϕ 20.599)	2.1			
3/16"-3/4"	LJ0620		1.5			
3/16"-1"	HJ0225		3.7			

DRILL CHUCK WITH INTEGRATED SHANK

- * Jaw Hardness HRC 55-58
- * High Rigidity:machining after heat treatment



APU-MORSE TAPER		(WITH TANG)	(WITH THREADED STOCK)			
Range mm	Model No.	Taper(MTA)	Model No.	Taper(MTB)	UNF	KGS
0.5-6(1/64"-1/4")	HJ1006-MTA	MTA2	HJ1006-MTB	MTB2	3/8-16(M10)	0.6
1-10(1/32"-3/8")	HJ1010-MTA	MTA2/MTA3	HJ1010-MTB	MTB2/MTB3	3/8-16(M10)/1/2-13(M12)	0.9/1.1
1-13(1/32"-1/2")	HJ1013-MTA	MTA2/MTA3/MTA4/MTA5	HJ1013-MTB	MTB2/MTB3/MTB4/MTB5	3/8-16(M10)/1/2-13(M12)/ 5/8-11(M16)/5/8-11(M16)	1.2/1.4/1.5/2.0
1-16(1/32"-5/8")	HJ1016-MTA	MTA2/MTA3/MTA4/MTA5	HJ1016-MTB	MTB2/MTB3/MTB4/MTB5	3/8-16(M10)/1/2-13(M12)/ 5/8-11(M16)/5/8-11(M16)	1.3/1.5/1.7/2.3
1-20(1/32"-3/4")	HJ1020-MTA	MTA3/MTA4/MTA5	HJ1020-MTB	MTB3/MTB4/MTB5	1/2-13(M12)/ 5/8-11(M16)/ 5/8-11(M16)	2.7/3.1/4.3

DRILL CHUCK WITH INTEGRATED SHANK

- * Jaw Hardness: HRC 55-58
- * High Rigidity: machining after heat treatment



APU-STRAIGHT SHANK

(METRIC)		(IMPERIAL)		KGS
Range mm(Inch)	Model No.	DIA	Taperia	
0.5-6(1/64"-1/4")	HJ1106	C-16	C-5/8"	0.35
1-10(1/32"-3/8")	HJ1110	C-16/C-20	C-5/8"/C-3/4"	0.52/0.6
1-13(1/32"-1/2")	HJ1113	C-16/C-20/C-25/C-32	C-5/8"/C-3/4"/C-1"/C-1-1/4"	0.9/0.98/1.12/1.37
1-16(1/32"-5/8")	HJ1116	C-16/C-20/C-25/C-32	C-5/8"/C-3/4"/C-1"/C-1-1/4"	1.2/1.33/1.5/1.7
1-20(1/32"-3/4")	HJ1120	C-20/C-25/C-32	C-3/4"/C-1"/C-1-1/4"	2.3/2.5/2.7

DRILL CHUCK WITH INTEGRATED SHANK

- * Jaw Hardness: HRC 55-58
- * High Rigidity: machining after heat treatment



APU DRILL CHUCK R8 SHANK

Model No.	Range mm	mm	Model No.	Range Inch	UNF	Taper	KGS
HJ1213	1-13	M12*1.75	HJ1313	1/32"-1/2"	7/16"-20UNF	R8	1.3
HJ1216	1-16	M12*1.75	HJ1316	1/32"-5/8"	7/16"-20UNF	R8	1.6
HJ1220	1-20	M12*1.75	HJ1320	1/32"-3/4"	7/16"-20UNF	R8	2.6

DRILL CHUCK WITH INTEGRATED SHANK

- * Jaw Hardness: HRC 55-58
- * High Rigidity: machining after heat treatment



APU-BT SHANK

Model No.	KGS
BT30-APU10-80L	0.75
BT30-APU13-110L	1.85
BT30-APU16-115L	2.18
BT40-APU10-85L	1.56
BT40-APU13-100L	2
BT40-APU16-105L	2.33
BT50-APU10-90L	4.26
BT50-APU13-100L	4.7
BT50-APU13-120L	5
BT50-APU13-180L	5.8
BT50-APU16-105L	5.03
BT50-APU16-190L	6

APU-SK SHANK

Model No.	KGS
SK30-APU10-80L	0.7
SK30-APU13-120L	1.45
SK30-APU16-125L	1.78
SK40-APU10-80L	1.88
SK40-APU13-105L	2.33
SK40-APU13-135L	2.63
SK40-APU16-125L	2.83
SK40-APU16-150L	3.18
SK50-APU10-80L	2.43
SK50-APU13-100L	2.63
SK50-APU13-120L	2.83
SK50-APU16-100L	3.15
SK50-APU16-120L	3.25

DRILL CHUCK WITH INTEGRATED SHANK

- * Jaw Hardness: HRC 55-58
- * High Rigidity: machining after heat treatment



APU-CAT SHANK

Model No.	KGS
CAT40-APU5/16-3.75"L	1.85
CAT40-APU3/8-3.75"L	1.95
CAT40-APU1/2-4.75"L	2.1
CAT40-APU5/8-6"L	2.95
CAT50-APU5/16-4"L	2.1
CAT50-APU3/8-4"L	2.2
CAT50-APU1/2-4.25"L	2.85
CAT50-APU5/8-4.5"L	3.45

APU-ISO(NT) SHANK

Model No.	KGS
ISO(NT)30-APU10-80L	0.7
ISO(NT)30-APU13-120L	1.45
ISO(NT)30-APU16-125L	1.78
ISO(NT)40-APU10-80L	1.88
ISO(NT)40-APU13-105L	2.33
ISO(NT)40-APU13-135L	2.63
ISO(NT)40-APU16-125L	2.83
ISO(NT)50-APU10-80L	2.43
ISO(NT)50-APU13-100L	2.63
ISO(NT)50-APU13-120L	2.83
ISO(NT)50-APU16-100L	3.15
ISO(NT)50-APU16-120L	3.25

SELF-LOCKING DRILL CHUCK



TAPERED

Model No.	Range mm	d Taper	KGS
WL-LJ0510	1-10	B12	0.5
WL-LJ0513	1-13	B16	0.76
WL-LJ0513A	1-13	B12	0.76
WL-LJ0516	1-16	B16	1.03
WL-LJ0516A	1-16	B18	1.03
Model No.	Range Inch	d Taper	KGS
WL-LJ0610	1/32"-3/8"	JT2	0.5
WL-LJ0613	1/32"-1/2"	JT33	0.76
WL-LJ0613A	1/32"-1/2"	JT2	0.76
WL-LJ0616	1/32"-5/8"	JT6	1.03
WL-LJ0616A	1/32"-5/8"	JT33	1.03

THREADED

Model No.	Range mm	d Threaded	KGS
WL-LJ0810	1-10	3/8"-24UNF	0.5
WL-LJ0813	1-13	1/2"-20UNF	0.76
WL-LJ0813A	1-13	3/8"-24UNF	0.76
WL-LJ0816	1-16	5/8"-16UN	1.03
WL-LJ0816A	1-16	1/2"-20UNF	1.03
Model No.	Range Inch	d Threaded	KGS
WL-LJ0710	1/32"-3/8"	3/8"-24UNF	0.5
WL-LJ0713	1/32"-1/2"	1/2"-20UNF	0.76
WL-LJ0713A	1/32"-1/2"	3/8"-24UNF	0.76
WL-LJ0716	1/32"-5/8"	5/8"-16UN	1.03
WL-LJ0716A	1/32"-5/8"	1/2"-20UNF	1.03

SPANNER

SPANNER FOR KEYLESS DRILL CHUCK



Chuck Range
6mm
8-10mm
13mm
16mm
20mm



A Type

Model No.
ER11A
ER16A
ER20A



UM Type

Model No.
ER25UM
ER32UM
ER40UM
ER50UM



K Type

Model No.
ER25K
ER32K
ER40K
ER50K



M Type

Model No.
ER8M
ER11M
ER16M
ER20M
ER25M

HEAVY DUTY KEY TYPE DRILL CHUCK



Model No.	mm	in	TAPER	TAPER	in	g
J216	0.6-6		B10(φ10.094)			125
J226	0.6-6	1/32"-3/8"		JT1(φ9.754)		125
J2110	1-10		B12(φ12.064)			335
J2210	1-10	1/32"-3/8"		JT2(φ14.199)		335
J3110A	1-10	1/32"-3/8"			3/8"-24UNF	335
J3110B	1-10	1/32"-3/8"			1/2"-20UNF	335
J2113	1-13		B16(φ15.733)			625
J2213	1-13	1/32"-1/2"		JT33(φ15.85)		625
J2213A	1-13	1/32"-1/2"		JT6(φ17.170)		625
J3113	1-13	1/32"-1/2"			1/2"-20UNF	625
J3113A	1-13	1/32"-1/2"			3/8"-24UNF	625
J2116	1-16		B18(φ17.780)			818
J2216	1-16	1/32"-5/8"		JT6(φ17.170)		818
J2116A	3-16		B16(φ15.733)			818
J2116B	3-16		B18(φ17.780)			818
J3116	1-16	1/32"-5/8"			5/8"-16UN	818
J3116A	1-16	1/32"-5/8"			1/2"-20UNF	818
J2120	5-20		B22(φ21.793)			1214
J2220	5-20	13/64"-3/4"		JT3(φ20.599)		1214

ER COLLET

*Material: 65Mn
*Hardness: HRC 44-48
*DIN6499B



Accuracy Inspection Table

L	Grade	Run out
4 x D	G	≤0.015
	A	≤0.01
	AA	≤0.005

Model No.	SIZE	
	mm	Inch
ER8	1,1.5,2,2.5,3,3.5,4,4.5,5	
ER11	1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7	1/32", 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
ER16	1,1.5,2,2.5,3,4,5,6,7,8,9,10	1/32", 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8"
ER20	1,1.5,2,2.5,3,4,5,6,7,8,9,10,11,12,13	11/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8"
ER25	1,1.5,2,2.5,3,4,5,6,7,8,9,10,11,12,13,14,15,16	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8"
ER32	1,1.5,2,2.5,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32"
ER40	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32", 13/16", 27/32", 7/8", 29/32", 15/16", 31/32", 1"

BT/ER COLLETS SETS/METRIC

Type	Clamping range	Collet
ER11-7PCS	1-7mm	1;2;3;4;5;6;7
ER11-9PCS	3+0.5-7mm	3; 3.5; 4; 4.5; 5; 5.5; 6; 6.5; 7
ER11-13PCS	1+0.5-7mm	1;1.5;2;2.5;3;3.5;4;4.5;5;5.5;6;6.5;7
ER16-8PCS	3-10mm	3;4;5;6;7;8;9;10
ER16-10PCS	1-10mm	1;2;3;4;5;6;7;8;9;10
ER20-10PCS	4-13mm	4;5;6;7;8;9;10;11;12;13
ER20-12PCS	2-13mm	2;3;4;5;6;7;8;9;10;11;12;13
ER25-5PCS	6-16mm	6;8;10;12;16
ER25-7PCS	4-16mm	4;5;6;7;8;9;10;11;12;13;14;15;16
ER25-13PCS	4-16mm	4;6;8;10;12;14;16
ER25-15PCS	2-16mm	2;3;4;5;6;7;8;9;10;11;12;13;14;15;16
ER32-6PCS	6-20mm	6; 8; 10; 12; 16; 20
ER32-11PCS	4-20mm	4; 5; 6; 8; 10; 12; 13; 15; 16; 18; 20
ER32-12PCS	3-20mm	3; 4; 5; 6; 8; 10; 12; 13; 15; 16; 18; 20
ER32-18PCS	3-20mm	3;4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;19;20
ER40-8PCS	5-26mm	5;8;12;15;18;22;24;26
ER40-15PCS	4-26mm	4;5;6;8;10;11;12;13;15;16;18;20;22;24;26
ER40-18PCS	4-26mm	4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;20;22;24;26
ER40-23PCS	4-26mm	4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;19;20;21;22;23;24;25;26
ER40-24PCS	3-26mm	3;4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;19;20;21;22;23;24;25;26



*Made from alloy spring steel and hardened to HRC 44-48.

*Turnout 0.008mm for size above 3mm, and 0.015mm for size under 3mm.

*Conform to DIN6499B

ER COLLETS SETS/IMPERIAL

*Made from alloy spring steel and hardened to HRC 45-48.

*Turnout 0.0003" for size above 1/8", and 0.00059" for size under 1/8".

*Conform to DIN6499B

Type	Collet
ER11-8PCS	1/32", 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
ER16-5PCS	1/8", 3/16", 1/4", 5/16", 3/8"
ER16-8PCS	1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8"
ER16-12PCS	1/32", 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8"
ER20-11PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"
ER20-14PCS	3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2"
ER20-16PCS	1/32", 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2"
ER25-9PCS	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
ER25-18PCS	3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8"
ER32-11PCS	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32"
ER32-12PCS	1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32"
ER32-15PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32"
ER32-18PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32"
ER32-21PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32"
ER40-8PCS	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1"
ER40-14PCS	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 1"
ER40-15PCS	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
ER40-23PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 13/16", 27/32", 7/8", 29/32", 1"
ER40-24PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 13/16", 27/32", 7/8", 29/32", 15/16", 1"
ER40-29PCS	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 13/16", 27/32", 7/8", 29/32", 15/16", 31/32", 1"



SEALED ER COOLANT COLLET DIN6499B



Model No.	SIZE	
	mm	Inch
ER16	3,4,5,6,7,8,9,10	1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8"
ER20	3,4,5,6,7,8,9,10,11,12,13	1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2"
ER25	3,4,5,6,7,8,9,10,11,12,13,14,15,16	1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16", 5/8"
ER32	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32"
ER40	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 27/32", 7/8", 15/16", 31/32", 1"

ER TAPPING COLLET

Inspection Of Accuracy

L5	d1	8slot	16slot
6	1.0-1.4		
10	1.5-2.9		
16	3.0-5.9	≤0.02	≤0.02
25	6.0-9.9		
40	10.0-17.9		
50	18.0-26.9		



SK HIGH SPEED COLLET



Inspection Of Accuracy

L	Run out	
	A class	AA class
4*D	≤0.008	≤0.005

ER TAPPING COLLET(IMPERIAL)

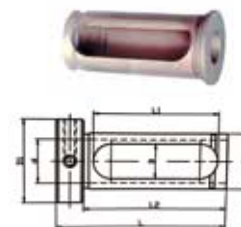
Model No.	SIZE(Diamater mm)
ER16G	0.168", 0.194", 0.220", 0.255"
ER20G	0.168", 0.194", 0.220", 0.255", 0.318", 0.323", 0.367", 0.381", 0.429"
ER25G	0.168", 0.194", 0.220", 0.255", 0.318", 0.323", 0.367", 0.381", 0.429", 0.437", 0.480"
ER32G	0.168", 0.194", 0.220", 0.255", 0.318", 0.323", 0.367", 0.381", 0.429", 0.437", 0.480", 0.542", 0.562", 0.590", 0.649"
ER40G	0.255", 0.318", 0.323", 0.367", 0.381", 0.429", 0.437", 0.480", 0.542", 0.562", 0.590", 0.649", 0.687", 0.697", 0.700", 0.760", 0.800"

ER TAPPING COLLET(METRIC)

Model No.	SIZE(Diamater mm)
ER16G	2.24, 2.5, 2.8, 3.3, 3.15, 3.5, 3.55, 4.4, 4.5, 5.5, 5.6, 6.2, 6.3, 7.8, 8.5, 9, 10
ER20G	2.24, 2.5, 2.8, 3.3, 3.15, 3.5, 3.55, 4.4, 4.5, 5.5, 5.6, 6.2, 6.3, 7.8, 8.5, 9, 10, 10.5, 11, 11.2, 12, 12.5, 13
ER25G	2.24, 2.5, 2.8, 3.3, 3.15, 3.5, 3.55, 4.4, 4.5, 5.5, 5.6, 6.2, 6.3, 7.8, 8.5, 9, 10, 10.5, 11, 11.2, 12, 12.5, 13, 14, 15, 16
ER32G	2.24, 2.5, 2.8, 3.3, 3.15, 3.5, 3.55, 4.4, 4.5, 5.5, 5.6, 6.2, 6.3, 7.8, 8.5, 9, 10, 10.5, 11, 11.2, 12, 12.5, 13, 14, 15, 16, 17, 18, 19, 20
ER40G	2.24, 2.5, 2.8, 3.3, 3.15, 3.5, 3.55, 4.4, 4.5, 5.5, 5.6, 6.2, 6.3, 7.8, 8.5, 9, 10, 10.5, 11, 11.2, 12, 12.5, 13, 14, 15, 16, 17, 18, 19, 20

Model No.	SIZE (mm)
SK06	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6
SK10	2, 2.5, 3, 3.175, 3.5, 4, 4.5, 5, 5.5, 5.6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10
SK13	3, 3.5, 4, 4.5, 5, 5.5, 5.6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13
SK16	3, 3.175, 3.5, 4, 4.5, 5, 5.5, 5.6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16
SK20	4, 4.5, 5, 5.5, 5.6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20
SK25	6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 20.5, 21, 21.5, 22, 22.5, 23, 23.5, 24, 24.5, 25

TOOL HOLDER SLEEVE



C SERIES SLEEVE

Model No. (D-L)	Size		
	D	d	L
3/4"-2-1/2"	3/4"	1/4"; 5/16"; 3/8"; 1/2"	2-1/2"
1"-3"	1"	1/4"; 5/16"; 3/8"; 1/2"; 5/8"; 3/4"	3"
1-1/4"-3-1/2"	1-1/4"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"	3-1/2"
1-1/2"-3-5/8"	1-1/2"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"	3-5/8"
1-3/4"-3-3/4"	1-3/4"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"	3-3/4"
2"-4-1/4"	2"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"; 1-3/4"	4-1/4"



J SERIES SLEEVE

Model No. (D-L)	Size		
	D	d	L
3/4"-1-3/4"	3/4"	1/4"; 5/16"; 3/8"; 1/2"	1-3/4"
1"-2"	1"	3/8"; 1/2"; 5/8"; 3/4"	2"
1-1/4"-2-3/8"	1-1/4"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"	2-3/8"
1-1/2"-2-3/4"	1-1/2"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"	2-3/4"
1-3/4"-3-1/4"	1-3/4"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"	3-1/4"
2"-3-3/4"	2"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"; 1-3/4"	3-3/4"

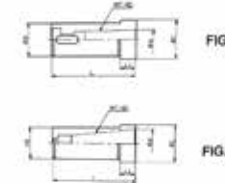


Z SERIES SLEEVE

Model No. (D-L)	Size			
	D	D1	d	L
1"-3-1/4"	1"	1-1/2"	1/4"; 5/16"; 3/8"; 1/2"; 5/8"; 3/4"	3-1/4"
1-1/4"-3-5/8"	1-1/4"	1-7/8"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"	3-5/8"
1-1/2"-4"	1-1/2"	2-1/4"	3/8"; 1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"	4"
1-3/4"-4-1/4"	1-3/4"	3"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"	4-1/4"
2"-4-1/2"	2"	3"	1/2"; 5/8"; 3/4"; 7/8"; 1"; 1-1/4"; 1-1/2"; 1-3/4"	4-1/2"

MORSE TOOL HOLDER SLEEVE

Model No.	Fig	L
D20-MT1		76
D20-MT2		93
D25-MT1	1	81
D25-MT2		93
D32-MT1		81
D32-MT2		91
D32-MT3	2	
D42-MT1	1	96
D42-MT2		
D42-MT3	2	92
D42-MT4		115



5C PRECISION COLLET CHUCK



Type	D mm (in)	Clamping rang		
		Round mm (in)	Square mm (in)	Hex mm (in)
125(5")-5C	126(5")	1mm ~ 28mm 3/64" ~ 1-1/8"	3mm ~ 19mm 1/8" ~ 3/4"	3mm ~ 22mm 1/8" ~ 7/8"
125(5")-D3	126(5")			
125(5")-D4	126(5")			
125(5")-D5	140(5.5")			
125(5")-D6	165(6.5")			
125(5")-D8	210(8")			



**5" Machined adapter
plates for plain
back chuck**

Spindle

A-4
A-5
A-6
A-8
D1-3
D1-4
D1-5
D1-6

R8 COLLETS



SIZE	
mm	Inch
1	1/32"
1.5	1/16"
2	3/32"
2.5	1/8"
3	5/32"
3.5	3/16"
4	7/32"
4.5	1/4"
5	9/32"
5.5	5/16"
6	11/32"
6.5	3/8"
7	13/32"
8	7/16"
9	15/32"
10	1/2"
11	17/32"
12	9/16"
13	19/32"
14	5/8"
15	21/32"
16	11/16"
17	23/32"
18	3/4"
19	25/32"
20	13/16"
21	27/32"
22	7/8"

BT-FMB FACE MILL CUTTER HOLDER



Shank Type	d1	D
BT30	FMB22-45	22
	FMB27-45	27
	FMB32-45	32
BT40	FMB22-45	22
	FMB27-105	27
	FMB32-45	32
BT50	FMB32-60	32
	FMB40-60	40
	FMB22-150	22
	FMB22-200	22
	FMB22-300	22
	FMB27-90	27
	FMB27-150	27
	FMB32-50	32
	FMB32-90	32
	FMB40-60	40
	FMB40-90	40
	FMB40-105	40

5C COLLETS



Type	Clamping rang		Weight(kg)
	mm	inch	
Round	1-28	1/32-1-1/8	0.24
Square	3-19	1/8-3/4	0.24
Hex	3-22	1/8-7/8	0.24

BT-ER COLLET CHUCK



MAS 403/BT

Type
BT30-ER11-40
BT30-ER16-70
BT30-ER16-100
BT30-ER20-70
BT30-ER20-100
BT30-ER25-70
BT30-ER25-100
BT30-ER32-70
BT30-ER32-100
BT30-ER40-80
BT40-ER16-70
BT40-ER16-100
BT40-ER16-150
BT40-ER20-70
BT40-ER20-100
BT40-ER20-135
BT40-ER20-150
BT40-ER25-70
BT40-ER25-100
BT40-ER25-150
BT40-ER32-70
BT40-ER32-100
BT40-ER32-150
BT40-ER40-80
BT40-ER40-100
BT40-ER40-150
BT50-ER16-70
BT50-ER16-105
BT50-ER16-165
BT50-ER20-70
BT50-ER20-105
BT50-ER20-150
BT50-ER25-70
BT50-ER25-105
BT50-ER25-135
BT50-ER25-165
BT50-ER32-100
BT50-ER32-150
BT50-ER40-100
BT50-ER40-150

BT-FMC FACE MILL CUTTER HOLDER/Coolant Type



Type
BT40-FMC16-35
BT40-FMC22-35
BT40-FMC27-35
BT40-FMC32-50
BT40-FMC40-60
BT50-FMC16-35
BT50-FMC22-55
BT50-FMC22-100
BT50-FMC27-55
BT50-FMC27-100
BT50-FMC32-50
BT50-FMC32-100
BT50-FMC40-55
BT50-FMC40-100

BT-CMA-COMBI SHELL END MILL ARBOR



Type
BT40-CMA16-55
BT40-CMA16-100
BT40-CMA22-55
BT40-CMA22-100
BT40-CMA27-55
BT40-CMA27-100
BT40-CMA32-60
BT40-CMA32-100
BT40-CMA40-60
BT40-CMA40-100
BT50-CMA16-70
BT50-CMA16-100
BT50-CMA22-70
BT50-CMA22-100
BT50-CMA27-70
BT50-CMA27-100
BT50-CMA32-70
BT50-CMA32-100
BT50-CMA40-70
BT50-CMA40-100

DRIVE RING/DIN6366



Type
CDR16
CDR22
CDR27
CDR32
CDR40

BT-FMA FACE MILL CUTTER HOLDER



Shank Type	d1	D
BT30	FMA1"-1.77"	1"
	FMA1"-2.362"	
	FMA1-1/4"-1.77"	
BT40	FMA1"-1.77"	1"
	FMA1"-2.362"	
	FMA1"-3.543"	
	FMA1"-4"	1-1/4"
	FMA1-1/4"-1.77"	
	FMA1-1/4"-3"	
BT50	FMA1-1/4"-3.543"	1-1/2"
	FMA1-1/2"-2.362"	
	FMA2"-2.362"	2"
	FMA1"-1.77"	
	FMA1"-3.543"	1"
	FMA1"-6"	
	FMA1-1/4"-1.77"	1-1/4"
	FMA1-1/4"-3"	
	FMA1-1/4"-4"	1-1/2"
	FMA1-1/2"-1.77"	
	FMA1-1/2"-2"	2"
	FMA2"-1.77"	
	FMA2"-3"	1-7/8"
	FMA1-7/8"-3"	

BT-90°CSQUARE CUTTER BORING BAR TYPE B



Type
BT40×BSB25-120
BT40×BSB38-150
BT40×BSB50-165
BT40×BSB62-180
BT40×BSB90-180
BT50×BSB25-135
BT50×BSB38-180
BT50×BSB50-180
BT50×BSB50-240
BT50×BSB62-195
BT50×BSB62-270
BT50×BSB72-195
BT50×BSB72-285
BT50×BSB90-210
BT50×BSB90-300
BT50×BSB105-195
BT50×BSB105-285
BT50×BSB130-255

BT-MTB MORSE TAPER ADAPTER



Type
BT30-MTB1-45
BT30-MTB2-60
BT40-MTB1-45
BT40-MTB2-45
BT40-MTB3-75
BT40-MTB4-90
BT50-MTB1-45
BT50-MTB2-45
BT50-MTB3-60
BT50-MTB4-75
BT50-MTB5-120

BT-SLN SIDE LOCK END MILL HOLDER

Type d1-L1

BT30-SLN1/8"-2.38"
BT30-SLN1/4"-2.38"
BT30-SLN3/8"-2.38"
BT30-SLN1/2"-2.38"
BT30-SLN5/8"-2.38"
BT30-SLN3/4"-2.38"
BT30-SLN1"-2.75"
BT40-SLN3/8"-2.25"
BT40-SLN1/2"-2.25"
BT40-SLN5/8"-2.25"
BT40-SLN3/4"-3.38"
BT40-SLN7/8"-3.75"
BT40-SLN1"-4"
BT40-SLN1-1/4"-4"



d1≤3/4"



d1≥7/8"

BT-MTA MORSE TAPER ADAPTER



Type

BT30×MTA1-45
BT30×MTA1-105
BT30×MTA2-60
BT30×MTA2-120
BT30×MTA3-80
BT40×MTA1-45
BT40×MTA1-120
BT40×MTA2-50
BT40×MTA2-120
BT40×MTA3-70
BT40×MTA3-135
BT40×MTA4-95
BT40×MTA4-165
BT50×MTA1-45
BT50×MTA1-120
BT50×MTA1-180
BT50×MTA2-60
BT50×MTA2-135
BT50×MTA2-180
BT50×MTA3-165
BT50×MTA3-150
BT50×MTA3-180
BT50×MTA4-95
BT50×MTA4-180
BT50×MTA5-105

BT-SK TOOLING HOLDER



MAS 403 BT□□-SKS□

Model No.

BT30-SKS06-60L
BT30-SKS06-90L
BT30-SKS10-60L
BT30-SKS10-90L
BT30-SKS13-60L
BT30-SKS13-90L
BT30-SKS16-60L
BT30-SKS16-90L

BT40-SKS10-60L
BT40-SKS10-100L
BT40-SKS13-60L
BT40-SKS13-100L
BT40-SKS16-60L
BT40-SKS16-100L
BT40-SKS20-70L
BT40-SKS20-100L

BT50-SKS10-100L
BT50-SKS10-150L
BT50-SKS13-100L
BT50-SKS13-150L
BT50-SKS16-100L
BT50-SKS16-150L
BT50-SKS20-100L
BT50-SKS20-150L
BT50-SKS25-100L
BT50-SKS25-150L

BT-45°CSQUARE CUTTER BORING BAR TYPE A

Type

BT40×BSA25-120
BT40×BSA30-150
BT40×BSA38-165
BT40×BSA42-165
BT40×BSA50-165
BT40×BSA62-180
BT40×BSA72-180
BT40×BSA90-180
BT50×BSA25-135
BT50×BSA30-165
BT50×BSA38-180
BT50×BSA42-210
BT50×BSA50-180
BT50×BSA50-240
BT50×BSA62-195
BT50×BSA62-270
BT50×BSA72-195
BT50×BSA90-285
BT50×BSA90-210
BT50×BSA90-300
BT50×BSA105-195
BT50×BSA105-285
BT50×BSA130-255



CAT-SLN SIDE LOCK END MILL HOLDER



Type:A



Type:B

Type d1-L1

CAT40-SLN3/8"-1.38"
CAT40-SLN3/8"-2.25"
CAT40-SLN3/8"-4"
CAT40-SLN1/2"-2.25"
CAT40-SLN1/2"-4"
CAT40-SLN5/8"-2.25"
CAT40-SLN5/8"-6"
CAT40-SLN3/4"-3.38"
CAT40-SLN3/4"-6"
CAT40-SLN7/8"-3.75"
CAT40-SLN1"-4"
CAT40-SLN1"-6"
CAT40-SLN1-1/4"-4"
CAT40-SLN1-1/2"-4"

BT-SK/CAT FORCE COLLET CHUCK

- Material: 20 CrMn Ti
- Does: hardness HRC56 ° to 60 °, carburized depth of > 0.8 mm
- Taper shank tolerance grade: < AT3
- Default dynamic balancing G6.3-8000 RPM, precision dynamic balancing G6.3-12000 RPM
- The handle hole divided six slots in order to prevent the tool rotation, force increases
- The use of special material ball bearing cage, prolong the service life, enhances the clamping force
- With blessings great strength, high centering precision, especially for strong cutting



Type

BT30-C20-90
BT30-C25-80
BT30-C32-100
BT40-C25-95
BT40-C25-130
BT40-C32-95
BT40-C32-135
SK30-C20-85
SK30-C32-135
SK40-C20-100
SK40-C32-105
CAT40-C3/4"-3.385"
CAT50-C3/4"-4.13
CAT50-C1-1/4"-4.13"

FORCE COLLET



Model No.	Size
C12	4,5,6,8
C16	4,5,6,8,10
C20	6,8,10,12,16
C25	4,5,6,8,10,12,16
	6,8,10,12,16,20,25
C32	3,4,5,14,18,24,1/8",1/14",5/16",3/8",1/2",5/8",3/4",1"
C42	6,8,10,12,16,20,25,32
	1/4",5/16",3/8",1/2",5/8",3/4",1"

CAT-SK TOOLING HOLDER



ANSI B5.50 CAT□□-SKS□

Model No.

CAT30-SKS06-2.36"
CAT30-SKS06-3.543"
CAT30-SKS10-2.36"
CAT30-SKS10-3.543"
CAT30-SKS13-2.36"
CAT30-SKS13-3.543"
CAT30-SKS16-2.36"
CAT30-SKS16-3.543"

CAT40-SKS10-2.36"
CAT40-SKS10-4"
CAT40-SKS13-2.36"
CAT40-SKS13-4"
CAT40-SKS16-2.36"
CAT40-SKS16-4"
CAT40-SKS20-2.76"
CAT40-SKS20-4"

CAT50-SKS10-4"
CAT50-SKS10-6"
CAT50-SKS13-4"
CAT50-SKS13-6"
CAT50-SKS16-4"
CAT50-SKS16-6"
CAT50-SKS20-4"
CAT50-SKS20-6"
CAT50-SKS25-4"
CAT50-SKS25-6"

CAT-ER COLLET CHUCK



ANSI B5.50 CAT

Type

CAT40×ER16-2.76"
CAT40×ER16-4"
CAT40×ER20-2.76"
CAT40×ER20-4"
CAT40×ER25-2.76"
CAT40×ER25-4"
CAT40×ER32-2.76"
CAT40×ER32-4"
CAT40×ER32-6"
CAT40×ER40-3.15"
CAT40×ER40-4"
CAT40×ER40-6"
CAT50×ER16-4"
CAT50×ER20-4"
CAT50×ER20-6"
CAT50×ER25-4"
CAT50×ER25-6"
CAT50×ER32-4"
CAT50×ER32-6"
CAT50×ER32-6"
CAT50×ER40-4"
CAT50×ER40-6"
CAT50×ER50-4"
CAT50×ER50-6"

CAT-MTB MORSE TAPER ADAPTER



Type

CAT-40MTB1-1.77"
CAT-40MTB2-2.00"
CAT-40MTB3-2.75"
CAT-40MTB4-3.55"
CAT-50MTB1-2.00"
CAT-50MTB2-2.00"
CAT-50MTB3-2.50"
CAT-50MTB4-3"
CAT-50MTB5-4.75"

CAT-FMA FACE MILL CUTTER HOLDER



Type
CAT40×FMA3/4"-1.5"
CAT40×FMA1"-2.06"
CAT40×FMA1-1/4"-2.21"
CAT40×FMA1-1/2"-2.21"
CAT50×FMA3/4"-1.50"
CAT50×FMA1"-2.00"
CAT50×FMA1-1/4"-1.50"
CAT50×FMA1-1/2"-2.40"
CAT50×FMA2"-2.40"

DAT-FMA FACE MILL CUTTER HOLDER



Type-L1
DAT40×FMA3/4"-1.5"
DAT40×FMA1"-2.06
DAT40×FMA1-1/4"-2.21"
DAT40×FMA1-1/2"-2.21"
DAT50×FMA3/4"-1.50"
DAT50×FMA1"-2.00"
DAT50×FMA1/4"-1.50"
DAT50×FMA1-1/2"-2.40"
DAT50×FMA2"-2.40"

CAT-MTA MORSE TAPER ADAPTER



Type
CAT-40MTA1-1.60"
CAT-40MTA2-2.00"
CAT-40MTA3-2.75"
CAT-40MTA4-3.75"
CAT-50MTA1-2.00"
CAT-50MTA2-2.00"
CAT-50MTA3-2.50"
CAT-50MTA4-3.30"
CAT-50MTA5-4.10"

DAT-FMB FACE MILL CUTTER HOLDER

Type
DAT30×FMB22-35
DAT30×FMB27-35
DAT40×FMB22-35
DAT40×FMB27-60
DAT40×FMB32-60
DAT50×FMB40-60
DAT50×FMB22-35
DAT50×FMB27-35
DAT50×FMB32-35
DAT50×FMB40-50
DAT50×FMB50-60
DAT50×FMB40F-60
DAT50×FMB40F-70
DAT50×FMB60F-70
DAT40×FS40-60
DAT50×FS40-70
DAT50×FS60-70

DAT-ER COLLET CHUCK



DIN69871-1

Type
DAT30×ER11-80
DAT30×ER16-63
DAT30×ER16-120
DAT30×ER20-63
DAT30×ER20-120
DAT30×ER25-63
DAT30×ER32-63
DAT40×ER16-70
DAT40×ER16-100
DAT40×ER16-150
DAT40×ER20-70
DAT40×ER20-100
DAT40×ER20-160
DAT40×ER25-70
DAT40×ER25-100
DAT40×ER25-150
DAT40×ER32-70
DAT40×ER32-100
DAT40×ER40-150
DAT40×ER40-70
DAT40×ER40-100
DAT40×ER40-150
DAT50×ER16-100
DAT50×ER16-160
DAT50×ER20-100
DAT50×ER20-160
DAT50×ER25-70
DAT50×ER25-100
DAT50×ER25-150
DAT50×ER32-80
DAT50×ER32-120
DAT50×ER32-160
DAT50×ER40-80
DAT50×ER40-120
DAT50×ER40-160



ISO(NT)-FMA FACE MILL CUTTER HOLDER



Shank Type	d1	D
NT30	FMA1"-1.77"	1"
	FMA1"-2.362"	1"
	FMA1-1/4"-1.77"	1-1/4"
	FMA1"-1.77"	1"
	FMA1"-2.362"	1"
NT40	FMA1"-3.543"	1"
	FMA1"-4"	1"
	FMA1-1/4"-1.77"	1-1/4"
	FMA1-1/4"-3"	1-1/4"
	FMA1-1/4"-4"	1-1/4"
NT50	FMA1-1/2"-2.362"	1-1/2"
	FMA2"-2.362"	2"
	FMA1"-1.77"	1"
	FMA1"-4"	1"
	FMA1"-6"	1"
	FMA1-1/4"-1.77"	1-1/4"
	FMA1-1/4"-3"	1-1/4"
	FMA1-1/4"-4"	1-1/4"
	FMA1-1/2"-1.77"	1-1/2"
	FMA1-1/2"-2"	1-1/2"
	FMA2"-1.77"	2"
	FMA2"-3"	2"
	FMA1-7/8"-3"	1-7/8"

R8-FMB/FMA FACE MILL CUTTER HOLDER



Type
R8-FMB16
R8-FMB22
R8-FMB27
R8-FMB32
R8-FMB40
R8-FMA1/2"
R8-FMA3/4"
R8-FMA7/8"
R8-FMA1"
R8-FMA1-1/4"
R8-FMA1-1/2"

ISO(NT)-FMB FACE MILL CUTTER HOLDER



Shank Type	d1	D
NT30	FMB22-45	22
	FMB27-45	27
	FMB32-45	32
NT40	FMB22-100	22
	FMB27-45	27
	FMB27-100	27
	FMB32-60	32
	FMB40-60	40
NT50	FMB22-150	22
	FMB22-200	22
	FMB22-300	22
	FMB27-60	27
	FMB27-100	27
	FMB27-150	27
	FMB32-60	32
	FMB32-100	32
	FMB32-150	32
	FMB32-200	32
	FMB40-60	40
	FMB40-100	40
	FMB40-150	40

SK-SLN SIDE LOCK END MILL HOLDER



Type d1-L1
SK30-SLN6-60
SK30-SLN8-60
SK30-SLN10-60
SK30-SLN12-60
SK30-SLN16-75
SK40-SLN6-50
SK40-SLN8-50
SK40-SLN10-63
SK40-SLN12-63
SK40-SLN16-63
SK40-SLN20-63
SK40-SLN25-100
SK40-SLN32-100
SK50-SLN6-63
SK50-SLN8-63
SK50-SLN10-63
SK50-SLN12-80
SK50-SLN16-80
SK50-SLN20-80
SK50-SLN25-100
SK50-SLN32-105
SK50-SLN40-110

SK-MTA MORSE TAPER ADAPTER



Type
SK30-MTA1-50
SK30-MTA2-60
SK30-MTA3-75
SK40-MTA1-50
SK40-MTA2-50
SK40-MTA3-70
SK40-MTA4-95
SK50-MTA1-45
SK50-MTA2-60
SK50-MTA3-65
SK50-MTA4-95
SK50-MTA5-105

NT-MTA MORSE TAPER ADAPTER



Type
NT30-MTA1-25
NT30-MTA2-55
NT30-MTA3-70
NT40-MTA1-25
NT40-MTA2-50
NT40-MTA3-55
NT40-MTA4-80
NT50-MTA2-50
NT50-MTA3-60
NT50-MTA4-85
NT50-MTA5-120

NT-SLN SIDE LOCK END MILL HOLDER



Type d1-L1
NT30-SLN6-40
NT30-SLN8-40
NT30-SLN10-40
NT30-SLN12-40
NT30-SLN25-80
NT40-SLN6-50
NT40-SLN8-50
NT40-SLN10-50
NT40-SLN12-50
NT40-SLN16-63
NT40-SLN20-63
NT50-SLN8-63
NT50-SLN10-63
NT50-SLN12-63
NT50-SLN16-63
NT50-SLN20-63
NT50-SLN25-80
NT50-SLN32-80

SK-SK TOOLING HOLDER

DIN 69871 SK□□-SKS□



SK-MTB MORSE TAPER ADAPTER



Type	T
SK30-MTB1-45	M6
SK30-MTB2-60	M10
SK40-MTB2-50	M10
SK40-MTB3-75	M12
SK40-MTB4-90	M16
SK50-MTB2-45	M12
SK50-MTB3-60	M12
SK50-MTB4-75	M16

TOOL LOCKING DEVICE

Type	N.W. (kg)
BT30	3.9
BT40	4.2
BT50	11.6
CAT40	4.2
CAT50	11.6
SK30	3.9
SK40	4.2
SK50	11.6



F1 BORING HEAD

Type	(kg)
F1-2(50)	0.7
F1-50(2")	0.7
F1-3(75)	2
F1-75(3")	2
F1-4(100)	4
F1-100(4")	4



F1 BORING SHANK



Type	T	N.W.(kg)
BT30	M12*1.75	
BT40	M16*2	1.24
BT50	M24*3	3.97
(SK)JT30	M12*1.75	
(SK)JT40	M16*2	1.24
(SK)JT50	M24*3	3.97
CAT40	5/8"-11UNC	1.24
CAT50	1"-8UNC	3.97
R8	7/16"*20UNF	0.6
(ISO)NT30	1/2"-12UNC	0.6
(ISO)NT40	5/8"-11UNC	1.2
(ISO)NT50	1"-8UNC	3.14
(ISO)NT30	M12*1.75	0.6
(ISO)NT40	M16*2	1.2
(ISO)NT50	M24*3	3.14
NMTB30	1/2"-12UNC	0.6
NMTB40	5/8"-11UNC	1.2
NMBT50	1"-8UNC	3.14
MT2	3/8"-16UNC	0.4
MT3	3/8"-16UNC	0.44
MT3	1/2"-13UNC	0.44
MT3	1/2"-12UNC	0.44
MT4	5/8"-11UNC	0.95
MT5	1"-8UNC	1.7
MT2	M10*1.5	0.4
MT3	M12*1.75	0.44
MT4	M16*2	0.95
MT5	M24*3	1.7
MT2	TANGED	0.4
MT3	TANGED	0.5
MT4	TANGED	0.8
MT5	TANGED	1.8
C16		0.35
C20		0.4
C25		0.5
C32		0.6
5/8"		0.35
3/4"		0.5
1"		0.6
1-1/4"		0.6

ADAPTER PLATES



Type A (A1;A2)

Head Stock Type	Head Stock Type	Head Stock Type
D1 H7	D1 H7	D1 H7
D2	D2	D2
D3	D3	D3
D4		
d		

Type C

Type D

Type L

Model No.	Size
L00	160,200,250
L0	160,200,250,315(325)
L1	200,250,315(325),380
L2	250,315(325),380,500
L3	500,630



Type A2

Size	Head Stock Type
160	A2-5
200	A2-5
200	A2-6
250/300	A2-6
250/300	A2-8
380	A2-11



Threaded Back Plates

Size	Diameter
125	1"-10UNS
125	1-1/2"-8UNS
160	1-1/2"-8UNS
160	2-1/4"-8UNS
200	1-1/2"-8UNS
200	2-1/4"-8UNS
200	2-3/8"-6UNS
250	2-1/4"-8UNS
325	2-3/8"-6UNS
325	2-3/4"-8UNS



ADAPTER PLATES



Type D

Size	Head Stock Type
160	4
180	
200	
160	5
180	
200	
230	
250	
160	6
180	
200	
230	
250	
300(315)	
350	
380(400)	8
230	
250	
300(315)	11
350	
380(400)	
350	

HEAVY DUTY PRECISION ROTARY CENTER

- *Applicable to medium and heavy loads.
- *Use the combination of taper roller bearing, thrust bearing and needle bearing.
- *The unique waterproof design
- *The center can be adjusted to reach original accuracy of actual demand capacity .
- The shaft of alloy steel of HRC 60 ± 2.



Type	MAX Radial Load kg	MAX R.P.M
MT2-A	400	6000
MT3-A	600	5000
MT4-A	1000	4500
MT5-A	2500	3500
MT6-A	5000	1500
MT7-A	10000	1500
MT2-B	400	6000
MT3-B	600	5000
MT4-B	1000	4500
MT5-B	2500	3500
MT6-B	5000	1500
MT7-B	5000	1500

HEAVY DUTY ROTARY CENTER

Type	Max R.P.M	θ	N.W. (kg)
MT4	3000	60°	1.28
		60°	2.2
MT5	2000	60°	4.33
		60°	1.28
MT6	1000	60°	2.2
		60°	4.42



STANDARD TYPE ROTARY CENTER

Type	θ	N.W. (kg)
BZ-MT.3B	60°	1.28
BZ-MT.4B	60°	2.2
BZ-MT.5B	60°	4.33
BZ-MT.6B	60°	14.2
BZ-MT.3D	60°	1.28
BZ-MT.4D	60°	2.2
BZ-MT.5D	60°	4.33
BZ-MT.6D	60°	14.2



HIGH SPEED ROTARY CENTER

Type	θ	N.W. (kg)
GS-MT.3B	60°	1.25
GS-MT.4B	60°	2.22
GS-MT.5B	60°	3.6
GS-MT.3H	60°	1.25
GS-MT.4H	60°	2.22
GS-MT.5H	60°	3.6
GS-MT.3X	60°	1.28
GS-MT.4X	60°	2.26
GS-MT.5X	60°	3.66



R8 SHANK DRILL ADAPTER

Type	N.W.(kg)	Type	N.W.(kg)
R8-J0	0.393	R8-J5	0.742
R8-J1	0.409	R8-B6	0.250
R8-J2S	0.400	R8-B10	0.386
R8-J2	0.414	R8-B12	0.408
R8-J33	0.418	R8-B16	0.440
R8-J6	0.426	R8-B18	0.454
R8-J3	0.465	R8-B22	0.514
R8-J4	0.600	R8-B24	0.567



BT DRILL ADAPTER



Type	T	N.W. (kg)
BT30-B10-45	M12	0.7
BT30-B12-45		0.75
BT30-B16-45		0.85
BT30-B18-45	M16	0.86
BT40-B10-45		1.2
BT40-B12-45		1.3
BT40-B16-45		1.3
BT40-B18-45		1.65
BT40-B22-45		1.85
BT40-B24-45	M24	2.1
BT50-B10-45		3.1
BT50-B12-45		3.1
BT50-B16-45		3.2
BT50-B18-45		3.4
BT50-B22-45	M12	4.85
BT50-B24-45		5.4
BT30×JT2-45		0.7
BT30×JT33-45		0.75
BT30×JT6-45		0.8
BT40×JT2-45	M16	1.3
BT40×JT33-45		1.3
BT40×JT6-45		1.2
BT40×JT6-105	M24	1.65
BT50×JT2-45		4.1
BT50×JT33-45		4
BT50×JT6-45		4.2
BT50×JT6-105		4.6

ISO(NT) DRILL ADAPTER



Type	Type
ISO30-J0	ISO50-J6
ISO30-J1	ISO50-J3
ISO30-J2S	ISO50-J4
ISO30-J2	ISO50-J5
ISO30-J33	ISO30-B10
ISO30-J6	ISO30-B12
ISO30-J3	ISO30-B16
ISO30-J4	ISO30-B18
ISO30-J5	ISO30-B22
ISO40-J0	ISO30-B24
ISO40-J1	ISO40-B10
ISO40-J2S	ISO40-B12
ISO40-J2	ISO40-B16
ISO40-J33	ISO40-B18
ISO40-J6	ISO40-B22
ISO40-J3	ISO40-B24
ISO40-J4	ISO50-B10
ISO40-J5	ISO50-B12
ISO50-J1	ISO50-B16
ISO50-J2S	ISO50-B18
ISO50-J2	ISO50-B22
ISO50-J33	ISO50-B24

MORSE TAPER DRILL ADAPTER (WITH TANG)



Type	d(mm)	Type	d(mm)
MS0-B6	6.35	MS3-B22	21.793
MS0-B10	10.094	MS3-B24	23.825
MS0-B12	12.065	MS3-J0	6.35
MS0-B16	15.733	MS3-J1	9.754
MS0-B18	17.785	MS3-J2	14.199
MS0-B22	21.793	MS3-J3	20.599
MS0-B24	23.825	MS3-J4	28.55
MS0-J0	6.35	MS3-J5	35.89
MS0-J3	20.599	MS3-J6	17.17
MS0-J33	15.85	MS3-J33	15.85
MS1-B10	10.094	MS4-B10	10.094
MS1-B12	12.065	MS4-B12	12.065
MS1-B16	15.733	MS4-B16	15.733
MS1-B18	17.785	MS4-B18	17.785
MS1-B22	21.793	MS4-B22	21.793
MS1-B24	23.825	MS4-B24	23.825
MS1-J0	6.35	MS4-J0	6.35
MS1-J1	9.754	MS4-J1	9.754
MS1-J2	14.199	MS4-J2	14.199
MS1-J3	20.599	MS4-J3	20.599
MS1-J4	28.55	MS4-J4	28.55
MS1-J5	35.89	MS4-J5	35.89
MS1-J6	17.17	MS4-J6	17.17
MS1-J33	15.85	MS4-J33	15.85
MS2-B10	10.094	MS5-B10	10.094
MS2-B12	12.065	MS5-B12	12.065
MS2-B16	15.733	MS5-B16	15.733
MS2-B18	17.785	MS5-B18	17.785
MS2-B22	21.793	MS5-B22	21.793
MS2-B24	23.825	MS5-B24	23.825
MS2-J0	9.754	MS5-J0	6.35
MS2-J1	14.199	MS5-J1	9.754
MS2-J2	20.599	MS5-J2	14.199
MS2-J3	28.55	MS5-J3	20.599
MS2-J4	35.89	MS5-J4	28.55
MS2-J5	17.17	MS5-J5	35.89
MS2-J6	15.85	MS5-J6	17.17
MS2-J33	10.094	MS5-J33	15.85
MS3-B12	12.065	MS6-B16	15.733
MS3-B16	15.733	MS6-J3	20.599
MS3-B18	17.785	MS6-J6	17.17

BT PULL STUDS



Specification	T	θ	Weight KGS
BT30-45°	M12	45°	0.04
BT40-45°	M16		0.10
BT50-45°	M24		0.30
BT30-60°	M12	60°	0.04
BT40-60°	M16		0.10
BT50-60°	M24		0.30
BT30-90°	M12	90°	0.04
BT40-90°	M16		0.10
BT50-90°	M24		0.30

CAT PULL STUDS FOR POLISH



Specification	T	θ	Weight KGS
CAT40-45°-G	5/8"W1	45°	0.07
CAT40-60°-G		60°	0.07
CAT40-90°-G		90°	0.07

QUICK CHANGE TOOL POSTS (USA STYLE)

PISTON TYPE QUICK CHANGE TOOL POST SETS

Model No.	For Lathes with swing(in.)	Set includes
251-100	12	250-100,250-101,250-102, 250-104,250-107,250-110
251-200	10-15	250-200,250-201,250-202, 250-204,250-207,250-210
251-300	13-18	250-300,250-301,250-302, 250-304,250-307,250-310
251-400	14-20	250-400,250-401,250-402, 250-404,250-407,250-410

WEDGE TYPE QUICK CHANGE TOOL POST SETS

Model No.	For Lathes with swing(in.)	Set includes
251-111	12	250-111,250-101,250-102, 250-104,250-107,250-110
251-222	10-15	250-222,250-201,250-202, 250-204,250-207,250-210
251-333	13-18	250-333,250-301,250-302, 250-304,250-307,250-310
251-444	14-20	250-444,250-401,250-402, 250-404,250-407,250-410
251-555	17-48	250-555,250-501,250-502, 250-504,250-507,250-510

BT PULL STUDS/COOLANT TYPE



Specification	T	θ	Weight KGS
BT40-45°W	M16	45°	0.10
BT40-60°W		60°	0.10
BT40-90°W		90°	0.10
BT50-45°W	M24	45°	0.30
BT50-60°W		60°	0.30
BT50-90°W		90°	0.30

ISO PULL STUDS FOR POLISH

Specification	T	Weight KGS
ISO40-A-G	M16×2.0P	0.07
ISO40-B-G		0.05
ISO50-A-G	M24×3.0P	0.20
ISO50-B-G		0.08



TOOL POST

PISTON TYPE TOOL POST

Model No.
250-100
250-200
250-300
250-400



TOOL HOLDERS



NO.1 TURNING AND FACING HOLDER

Take various sizes of bits,turning and facing tools can be locked together.

Model No.
250-101
250-201
250-301
250-401
250-501



NO.2 BORING ,TURNING AND FACING HOLDER

"V" Groove holds round shank boring bars and tools as well as square tool bits.

Model No.
250-102
250-202
250-302
250-402
250-502

NOS.4 AND 41 HEAVY DUTY BORING BAR HOLDER

Equipped with a split bushing to accommodate a boring bar of smaller diameter. It permits drilling and boring,etc



Model No.
250-101
250-201
250-301
250-401
250-501
250-141
250-241
250-341
250-441

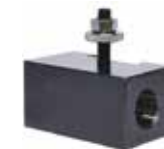
WEDGE TYPE TOOL POST

Model No.
250-111
250-222
250-333
250-444
250-555



NOS.5 AND 53 MORSE TAPER HOLDER FOR DRILLING

Drills with carriage by using power feed instead of tail-stock. It permits drilling,boring,and reaming,etc.



Model No.
250-105
250-205
250-305
250-405
250-153
250-253
250-353
250-453

NO.7 UNIVERSAL PARTING BLADE TOOL HOLDER



Equipped with T-cut blades enable you to cut off to chuck.

Model No.
250-107
250-207
250-307
250-407
250-507

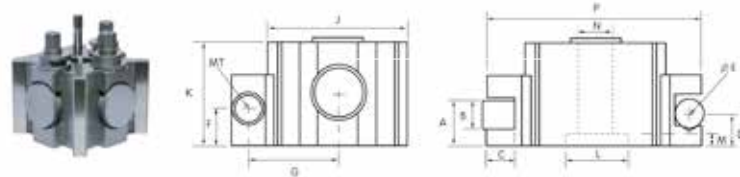
NO.10 KNURLING,TURING&FACING HOLDER

Equipped with knurls and squire tools,enable you to knurl,face,bore,etc



Model No.
250-110
250-210
250-310
250-410
250-510

QUICK CHANGE TOOL POSTS (UK STYLE)



Model No.	A	B	C	D	ØE	F	G	MT	J	K	ØL	M	ØN	P
S00	min 19.5 max 35	13	13	min 11.5 max 28	10	-	-	-	57	42	-	-	16	77.5
S0	min 26.5 max 39	16	16	min 17 max 30	16	min 19 max 32	50	1	73	50.8	22.03	11	19	98
S1	min 31 max 53	20	16	min 22.5 max 44	16	min 23 max 42	50	1	73	63.5	31.75	6.3	19	123
S1X	min 40.5 max 62.5	20	16	min 32 max 53.5	16	min 32.5 max 51.5	50	1	73	73	31.75	6.3	19	123
S2	min 34.5 max 51.5	20	20	min 26 max 47	19	min 28 max 50	65	2	97.4	71.4	44.45	7.9	25.4	158
S2T	min 41.5 max 59	25	25	min 24.5 max 42	19	min 32.5 max 52	70	2	106	76.2	44.45	7.9	25.4	167
S3	min 52 max 76	32	25	min 29 max 58.5	25	min 36 max 61	85	3	125.7	95.2	50.8	9.5	25.4	200
S3X	min 68 max 92	32	25	min 45 max 74.5	25	min 52 max 77	85	3	125.7	111	50.8	9.5	25.4	200
S4	min 57.5 max 89	32	32	min 40.5 max 75	25	-	-	-	149	120.5	63.5	12.7	38.1	241

TOOL HOLDERS



**STANDARD
HOLDERS**

Model No.
S00 141T
S0 143T
S1 141T
S2 141T
S2 143T
S3 141T
S4 143T



BORING BAR HOLDERS

Model No.
S00 151T
S0 153T
S1 151T
S2 151T
S2 153T
S3 151T
S4 151T



**MORSE TAPER
HOLDERS**

Model No.
S0 161T
S1 161T
S1 167T
S2 161T
S2 167T
S3 161T
S3 167T



**PART OFF
HOLDERS**

Model No.
S00 171T
S0 171T
S1 171T
S2 171T
S3 171T



**PLAIN BORE
HOLDERS**

Model No.
S1 181T
S2 181T
S3 181T
S4 181T

ACCU-LOCK MACHINE VISE

Model No.	Width of Jaw(mm)	Jaw Opening	G./N.Weight
QM1680L	80	95	10/9
QM16100L	100	140	19/18
QM16125L	125	145	23/22
QM16160	160	160	39/38
QM16160L	160	200	40/39
QM16200L	200	235	60/58



FREE STYLE MACHINE VISE

Model No.	Jaw Micro Adjusting Size	L(mm)	G./N.Weight
FNV160	0-16	350	19/18
FNV200	0-24	400	19/28

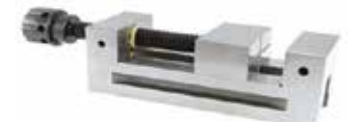


QKG TOOLING VISE



Model No.	Max Opening (mm)	L(mm)	N.W.(KG)
VB15	0-40	105	0.9
VB20	0-80	150	1.6
VB25	0-90	175	2.9
VB30	0-100	190	4.3
VB35	0-130	325	6.5
VB40	0-130	245	10
VB50	0-160	285	15

QGG TOOLING VISE



Model No.	Max Opening (mm)	L(mm)	N.W.(KG)
VSD20	0-63	156	2.3
VSD25	0-73	176	4
VSD30	0-76	190	5.5
VSD35	0-115	250	10
VSD40	0-120	255	11
VSD50	0-152	310	18.3
VSD60	0-165	325	20

DUAL ACTION MACHINE VICE



Model No.	Width of Jaw(mm)	Jaw Opening	G./N.Weight
Q93100	100	76	18/17
Q93160	160	100	46/45

QH SERIES MACHINE VICE



Model No.	Width of Jaw(mm)	Jaw Opening	G./N.Weight
QH1280	80	63	8/7
QH12100	100	80	12/11
QH12125	125	100	18/17
QH12160	160	125	35/34
QH12200	200	160	46/45
QH12250	250	200	70/67

QHK SERIES MACHINE VICE



Performance and character:

- 1.It adopts the high-quality cast irons.
- 2.Both parallelism and verticality about the two jaws are 0.025mm/100mm.
- 3.The vice can be adjusted and locked at random from the horizontal position to the vertical position(0°-90°)with swivelling base being rotated 360°
- 4.It can be widely used for processing all kinds angles of surface, slots and holes.

Model No.	Width of Jaw(mm)	Jaw Opening	G./N.Weight
Q41-100	100	80	20/19
Q41-125	125	100	29/28
Q41-125L	125	140	29/28
Q41-160	160	125	39/38
Q41-200	200	160	65/62

■ ROTARY TABLE



Main technical parameter:

Model No.	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800A	TS1000A
Table diameter mm	Φ160	Φ200	Φ250	Φ320	Φ400	Φ500	Φ630	Φ800	Φ1000
Width of the T-slot mm	10	12		14		18		22	
Adjacent angle of table T-slot	90°			60°			45°		
Width of the locating key mm	12	14		18		-	-	-	-
Graduation of the table					360°				
Minimum value of vernier					10"				
Indexing accuracy	80"				60"				
Max.workload kg	100	150	200	250	300	550	700	1200	2000
Net weight kg	16.5	22.5	33.5	65	125	215	345	800	1300

■ FLANGE



Type
FLG-0/5C
FLG-1/6C
FLG-2/8C

■ DIVIDING PLATES



Model No.	Dividing Plate	Qty of holes	Used for	N.W.(kg)
DP1	A	15,16,17,18,19,20	TS160A/HV4,HV6	2.7
	B	21,23,27,29,31,33		
	C	37,39,41,43,47,49		
DP2	A	A1/26,30,34,38,41,44,47,51,57 A2/28,32,37,39,43,46,49,54,59	TS200A,TS250A,TS300A,TS350A HV8,HV10,HV12,HV14,HV16 CS6,CS8	4.8
	B	B1/61,67,71,77,81,87,91,97 B2/63,69,73,79,83,89,93,99		

■ TAIL STOCK



Model No.	Center height		Used for	N.W.(KG)
	Max.(mm)	Min.(mm)		
TS0A	85	65	HV-3, HV-4	3.9
	3.34	2.55		
TS0	110	76	HV-4	3.9
	4.3	3		
TS1	131	97	HV-6	13
	5.15	3.81		
TS2	210	130	HV-8, HV-10, HV-12	18
	8.26	5.12		
TS3	300	210	HV-14, HV-16	21
	11.81	8.27		
TS4	145	115	CS-6, CC-6	18
	5.7	4.5		
TS5	200	130	CS-8, CC-8	18
	7.9	5.1		

■ HORIZONTAL & VERTICAL ROTARY TABLE



Model No.	HV-3"	HV-4"	HV-5"	HV-6"	HV-8	HV-10	HV-12	HV-14	HV-16
Gross weight kg	9	11.5	14	15	30	45	73	85	95

■ SEMI UNIVERSAL DIVIDING HEAD



3-Jaw Chuck

Size
4"
5"
6"
8"

STANDARD ACCESSORIES

Dividing plate A.B.C.
Numbers of holes of dividing plate
(worm gear reduction ratio 1:40)

Unit:mm

	Numbers of hole					
PlateA	15	16	17	18	19	20
PlateB	21	23	27	29	31	33
PlateC	37	39	41	43	47	49

OPTIONAL ACCESSORY

3-jaw Chuck
4"or5"3-jaw Chuck for BS-0
5"or6"3-jaw Chuck for BS-1
6"or7"8"3-jaw Chuck for BS-2

SEMI-UNIVERSAL INDEX CENTER B&S TYPE NO.0, NO.1(HEAD-STOCK)

Model No.	Taper of center	Diameter of Spindle hole	N.W.(kg)
BS-0	MT2	18	23.8
BS-0	B&S NO.7		
BS-1	MT3	20	35.8
BS-1	B&S NO.9		

SEMI-UNIVERSAL INDEX CENTER B&S TYPE NO.0,NO.1(HEAD-STOCK)

Model No.	N.W.(kg)	Mueasurement m ³
BS-0	Packed with the Dividing Head	
BS-0		
BS-1	Packed with the Dividing Head	
BS-1		

■ SEMI UNIVERSAL DIVIDING HEAD



BS-2A

3-Jaw Chuck

Size
4"
5"
6"
8"

UNIVERSAL INDEX CENTER B&S NO.2, (HEAD-STOCK)

Model No.	Work hole taper	N.W.(kg)
BS-2	MT4	73
BS-2	B&S NO.10	
BS-2A	MT4	52
BS-2A	B&S NO.10	

UNIVERSAL INDEX CENTER B&S NO.2, (TAIL-STOCK)

Model No.	N.W.(kg)	Mueasurement m ³
BS-2	Packed with the Dividing Head	
BS-2A		

STANDARD ACCESSORIES

Dividing plate A.B.C.
Numbers of holes of dividing plate
(worm gear reduction ratio 1:40)

Unit:mm

	Numbers of hole					
PlateA	15	16	17	18	19	20
PlateB	21	23	27	29	31	33
PlateC	37	39	41	43	47	49

■ J2001



**INDUSTRIAL GERMANY
TYPE COMBINATION
PLIERS**
SIZE: 6" 7" 8"

■ J2002



**INDUSTRIAL GER-
MANY TYPE LONG
NOSE PLIERS**
SIZE: 6" 7" 8"

■ G2003



**INDUSTRIAL GERMA-
NY TYPE DIAGONL
CUTTING PLIERS**
SIZE: 6" 7"

■ G2004



**INDUSTRIAL GERMANY
TYPE BENT NOSE
PLIERS**
SIZE: 6" 8"

■ G1001



**GERMANY TYPE
COMBINATION PLIERS,
PLASTIC GRIP HANDLE**
SIZE: 6" 7" 8"

■ G1002



**GERMANY TYPE
LONG NOSE PLIERS,
PLASTIC GRIP HANDLE**
SIZE: 7" 8"

■ G1003



**GERMANY TYPE LONG
NOSE PLIERS,
PLASTIC GRIP HANDLE**
SIZE: 5.5" 6"

■ G1004



**GERMANY TYPE BENT
NOSE PLIERS,
PLASTIC GRIP HANDLE**
SIZE: 6" 7" 8"

■ G1005



**GERMANY TYPE HEAVY
DUTY SIDE CUTTING
PLIERS,
PLASTIC GRIP HANDLE**
SIZE: 7"

■ G1006



**GERMANY TYPE SIDE
CUTTING PLIERS,
PLASTIC GRIP
HANDLE**
SIZE: 6"

■ G1007



**GERMANY TYPE ROUND
NOSE PLIERS,
PLASTIC GRIP
HANDLE**
SIZE: 6"

■ G1008



**GERMANY TYPE FLAT
NOSE PLIERS,
PLASTIC GRIP
HANDLE**
SIZE: 6"

■ G1009



**GERMANY TYPE WIRE
STRIPPER PLIERS,
PLASTIC GRIP
HANDLE**
SIZE: 6"

■ G1010



**GERMANY TYPE END
CUTTING PLIERS,
PLASTIC GRIP
HANDLE**
SIZE: 6"

■ E1001



**COMBINATION PLIERS,
ADVANCED
EUROPEAN TYPE**
SIZE: 6" 7" 8"

■ E1002



**LONG NOSE PLIERS,
ADVANCED
EUROPEAN TYPE**
SIZE: 6" 8"

■ E1003



**BENT NOSE PLIERS,
ADVANCED
EUROPEAN TYPE**
SIZE: 6" 8"

■ E1004



**DIAGONAL CUTTING
PLIERS, ADVANCED
EUROPEAN TYPE**
SIZE: 6"

■ E1005



**FLAT NOSE PLIERS,
ADVANCED
EUROPEAN TYPE**
SIZE: 6"

■ E1006



**ROUND NOSE PLIERS,
ADVANCED
EUROPEAN TYPE**
SIZE: 6"

■ M1001



**MINI LONG NOSE
PLIERS, DUAL SPRING
SHEET, PLASTIC GRIP
HANDLE**
SIZE: 4.5"

■ M1002



**MINI SIDE CUTTING
PLIERS, DUAL SPRING
SHEET, PLASTIC GRIP
HANDLE**
SIZE: 4.5"

■ M1003



**MINI FLAT NOSE
PLIERS, DUAL SPRING
SHEET, PLASTIC GRIP
HANDLE**
SIZE: 4.5"

■ M1004



**MINI END CUTTING
PLIERS, DUAL SPRING
SHEET, PLASTIC GRIP
HANDLE**
SIZE: 4.5"

■ M1005



**USA TYPE FLAT NOSE
PLIERS DIPPED
HANDLE**
SIZE: 6"

■ M1006



**USA TYPE ROUND
NOSE PLIERS DIPPED
HANDLE**
SIZE: 6"

■ M1007



**USA TYPE END
ENIPPER FULLY
POLISHED**
SIZE: 7" 8" 10"

■ M1008



**USA TYPE END
ENIPPER**
SIZE: 7" 8" 10"

■ P1002



**BOX JOINT D4 TYPE
WATER PUMP PLIERS**
SIZE: 8" 9.5" 12"

■ R1001



**INTERNAL SNAP RING
PLIERS**
SIZE: 5" 6" 7" 8" 9"

■ R1002



**EXTERNAL SNAP RING
PLIERS**
SIZE: 5" 6" 7" 8" 9"

■ R1003



**EXTERNAL SNAP RING
BENT NOSE PLIERS**
SIZE: 5" 6" 7" 8" 9"

■ R1004



**INTERNAL SNAP RING
BENT NOSE PLIERS**
SIZE: 5" 6" 7" 8" 9"

■ F1004



**TOWER PINCER
PLIERS**
SIZE: 8" 9" 10" 11" 12" 13"

■ F1005



CARPENTER PLIERS
SIZE: 6" 7" 8" 10"

■ A1001



**AVIATION SNIP RIGHT
TYPE TWO COLOR
GRIP**
SIZE: 10"

■ A1002



**AVIATION SNIP LEFT
TYPE TWO COLOR
GRIP**
SIZE: 10"

■ A1003



**AVIATION SNIP
STRAIGHT TYPE TWO
COLOR GRIP**
SIZE: 10"

■ F1011



FISH PLIERS
SIZE: 6" 8"

■ F1012



**MULTI-PURPOSE
FISHING PLIER**
SIZE: 7" 9"

STEERING RATCHET COMBINATION SPANNER

Model No.	Specifications	Wrench Weight
RS0201	6 (1/4)	10.5
RS0202	8 (5/16)	10.5
RS0203	9	14
RS0204	10 (3/8)	17.5
RS0205	11 (7/16)	18.5
RS0206	12	12.3
RS0207	13 (1/2)	13
RS0208	14 (9/16)	15.5
RS0209	15	17
RS0210	16 (5/8)	22.5
RS0211	17 (11/16)	23
RS0212	18	29
RS0213	19 (3/4)	30.5
RS0214	20	21.5
RS0215	21 (13/16)	21.5
RS0216	22 (7/8)	21.5
RS0217	23	20
RS0218	24 (15/16)	20
RS0219	25 (1)	20
RS0220	27 (13/15)	23
RS0221	30 (19/50)	21
RS0222	30 (11/4)	27



RATCHET COMBINATION SPANNER

Model No.	Specifications	Wrench Weight
RS0101	6 (1/4)	10.5
RS0102	8 (5/16)	10.5
RS0103	9	14
RS0104	10 (3/8)	17.5
RS0105	11 (7/16)	18.5
RS0106	12	12.3
RS0107	13 (1/2)	13
RS0108	14 (9/16)	15.5
RS0109	15	17
RS0110	16 (5/8)	22.5
RS0111	17 (11/16)	23
RS0112	18	29
RS0113	19 (3/4)	30.5
RS0114	20	21.5
RS0115	21 (13/16)	21.5
RS0116	22 (7/8)	21.5
RS0117	23	20
RS0118	24 (15/16)	20
RS0119	25 (1)	20
RS0120	27 (13/15)	23
RS0121	30 (19/50)	21
RS0122	30 (11/4)	27



STEERING RATCHET COMBINATION SPANNER

Model No.	Specifications	Set Number	Packing Quantity	Wrench Weight	Carton Size
RS0801	10, 12, 13, 14, 17	5	16	13	48x24x12
RS0802	8, 10, 12, 13, 14, 17	6	16	16	48x24x12
RS0803	8, 10, 12, 13, 14, 17, 19	7	16	18	48x24x12
RS0804	8, 10, 12, 13, 14, 15, 17, 19	8	16	20	48x24x12
RS0805	8, 10, 11, 12, 13, 14, 15, 16, 17, 19	9	16	21	48x24x12
RS0806	8, 10, 11, 12, 13, 14, 15, 16, 17, 19	10	5	18	26x18x18
RS0807	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19	11	5	19	26x18x18
RS0808	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	12	5	20	26x18x18



RATCHET COMBINATION SPANNER

Model No.	Specifications	Set Number	Packing Quantity	Wrench Weight	Carton Size
RS0701	10, 12, 13, 14, 17	5	16	10	48x24x12
RS0702	8, 10, 12, 13, 14, 17	6	16	14	48x24x12
RS0703	8, 10, 12, 13, 14, 17, 19	7	16	15	48x24x12
RS0704	8, 10, 12, 13, 14, 15, 17, 19	8	16	20	48x24x12
RS0705	8, 10, 12, 13, 14, 15, 16, 17, 19	9	16	22	48x24x12
RS0706	8, 10, 11, 12, 13, 14, 15, 16, 17, 19	10	5	18	26x18x18
RS0707	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19	11	5	19	26x18x18
RS0708	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	12	5	19	26x18x18



C CLAMP

Size	Weight(g)	Qty/Ctn(pcs)
1"	120	200
2"	195	150
3"	470	36
4"	655	36
5"	830	36
6"	1165	36
8"	1585	12
10"	1930	10
12"	2750	10



FRONT VISE

Model No.	Width of Jaw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7003	9"/230	10"/255	5.3/4.9	46x24x7.5



FRONT VISE



Model No.	Width of Jaw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7004	10.5"/265	14"/360	8.8/8.2	58x28x9

FRONT VISE WITH QUICK ACTION

Model No.	Width of Jaw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7009	10.5"/265	13"/340	9.6/9.1	58x28x9



WOODWORKING VISE

Model No.	Width of Jaw(mm)	Max Opening(mm)	Depth of Throat(mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7011	6"/150	4.5"/120	50	6	19/17	51x43x22



WOODWORKING VISE

Model No.	Width of Jaw(mm)	Max Opening(mm)	Depth of Throat(mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7012	6.5"/165	115	60	6	17/15	51x42x10



WOODWORKING VISE

Model No.	Width of Jaw(mm)	Max Opening(mm)	Depth of Throat(mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7013	7"/178	8"/205	75	4	23/21	42x37x30



QUICK-RELEASE WOODWORKING VISE

Model No.	Width of Jaw(mm)	Max Opening(mm)	Depth of Throat(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7007	7"/178	8"/203	77	9.7/9	41x22x20
7008	9"/230	10"/254	95	14.6/13.7	49x25x22
7010	10.5/266	13"/330	95	18/16	55x25x22

END VISE



Model No.	Diameter of Screw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7001	25	320	5.6/5.2	50.5x10.5x11
7002	30	425	9.4/8.8	65x12x12

BENCH SCREW



Model No.	Diameter of Screw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7005	30	17"/435	4/3.7	60x10x11

BENCH SCREW



Model No.	Diameter of Screw(mm)	Max Opening(mm)	Weight/Ctn(kg)	Ctn Size(cm)
7061	25	230	2.7/2.4	42x10x11
7062	30	230	3.4/3.1	42x10x11

4 WAY CLAMPING SYSTEM

- ★ Model: 7088
- N.W./G.W.(KGS): 17.5/15.3
- Ctn Size(cm): 66.5X35X26
- QTY/CTN: 8
- ★ Takes Material Up To 6" Thickness
- ★ 1½" x 1½" Beam Not Included



RETRACTING CASTORS SET

For Contractor Style Saws

- ★ Model: 7089
- N.W./G.W.(KGS): 5.5/5.1
- Ctn Size(cm): 28X22X23.6
- ★ Set of 4 Pieces
- ★ Mounting Hardware Included



SASH CLAMP



Model No.	Size	Full Length (mm)	Length of guide bar (mm)	Size of guide bar (mm)	Max Opening (mm)	Depth of Throat (mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7052	2"	780	750	6.2x32	610	50	10	23.3/22.3	80x35.5x12
7053	3"	1080	1050	6.2x32	910	50	10	28.6/27.3	110x35.5x12
7054	4"	1389	1359	6.2x32	1219	50	10	33.7/32	140x35.5x12
7055	5"	1694	1664	6.2x32	1524	50	10	38.7/36.7	170x35.5x12
7056	6"	1998	1968	6.2x32	1828	50	10	43.6/41.3	202x35.5x12

SASH CLAMP



Model No.	Size	Full Length (mm)	Length of guide bar (mm)	Size of guide bar (mm)	Max Opening (mm)	Depth of Throat (mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7071	1"	335	305	19x45	150	53	4	11.6/10.8	46.5x14x11.2
7072	2"	640	610	19x45	455	53	4	15/14	64.5x14x11.2
7073	3"	947	917	19x45	762	53	4	18.2/16.8	95x14x11.2
7074	4"	1253	1223	19x45	1068	53	4	22/20	125.5x14x11.2
7075	5"	1557	1527	19x45	1372	53	4	25.5/23.2	156x14x11.2
7076	6"	1858	1828	19x45	1673	53	4	28.8/26	186.5x14x11.2

SASH CLAMP



Model No.	Size	Full Length (mm)	Length of guide bar (mm)	Size of guide bar (mm)	Max Opening (mm)	Depth of Throat (mm)	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
7081	1"	510	480	6.5x38	305	60	6	19.2/18.6	51.5x21.5x14
7082	2"	803	775	6.5x38	610	60	6	22/21	84x21.5x14
7083	3"	1108	1080	6.5x38	910	60	6	25.5/24.5	114.5x21.5x14
7084	4"	1412	1384	6.5x38	1219	60	6	29.5/28	145x21.5x14
7085	5"	1717	1689	6.5x38	1524	60	6	33/31.5	175.5x21.5x14
7086	6"	2022	1994	6.5x38	1828	60	6	37/35	206x21.5x14

HEAVY DUTY AMERICAN TYPE DRILL PRESS VISE

Model No.	Size	Width of Jaw mm	Max. Opening mm	Depth of Throat mm	Qty/Ctn	Weight/Ctn kg	Ctn Size cm
5181	3"/75mm	78	78	19	10	22/20	32x30x22
5182	4"/100mm	100	110	26	10	32/30	37x35x26
5183	5"/125mm	125	128	26	8	44/42	43x30x29
5184	6"/150mm	150	150	26	5	32/30	40x26x33



PROFESSIONAL DRILL PRESS VISE

Model No.	Width of Jaw mm	Height of Jaw mm	Max. Opening mm	G./N. Weight kg	Q'TY	Packing Size cm
5156	81	30	76	30/26	10	32x30x34
5157	100	40	100	40/38	8	33x27x26
5158	127	50	130	53/49	6	43x30x30



CROSS CLAMP

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
Q9775	75	35	76	8/7	23x23x16
Q97100	100	46	102	10/9	26x26x17
Q97125	125	50	125	19/18	30x30x20
Q97150	160	53	152	28/27	37x37x22
Q97200	200	53	203	37/35	45x37x21



PRECISION CLAMP

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
QM16100G	100	38	100	18.5/17(4PCS/CTN)	30x25x19
QM16150G	160	47	150	11.5/11.0	40x17x11
QM16150GB	6"	2"	6"	17/16	39x19x12



QUICK RELEASE VICE

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
Q19K75	75	25	76	24/22(6PCS/CTN)	47x30x20
Q19K100	100	38	102	17/16(2PCS/CTN)	38x19x23
Q19K160	160	42	152	15/14	40x24x13
Q19K200	200	42	203	24/23	50x31x14



DRILLING MACHINE VICE(USA TYPE)

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
Q193A	76	23	78	23/22(10PCS/CTN)	32x30x22
Q194A	106	29	110	33/32(10PCS/CTN)	37x37x26
Q195A	126	29	128	22/21(5PCS/CTN)	38x23x29
Q196A	153	29	150	29/28(5PCS/CTN)	40x25x32



DRILLING MACHINE VICE(GERMANY TYPE)

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
Q1975	75	27	70	23/21(10PCS/CTN)	32x31x26
Q19100	100	30	102	36/34(10PCS/CTN)	37x37x32
Q19125	125	30	120	25/23(5PCS/CTN)	38x23x37
Q19150	150	30	142	32/30(5PCS/CTN)	40x25x40
Q19200	200	45	175	25/24(2PCS/CTN)	29x22x45



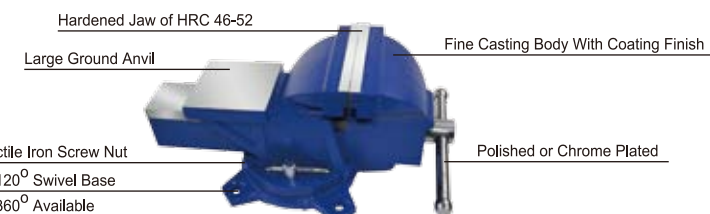
GUILD-SCREWLEADING-IN DRILLING MACHINE VICE

Model No.	Width of jaw mm	Height of jaw mm	Max.opening mm	G.W./N.W.kg	Packing Size cm
Q1985E	85	27	70	22/20(10PCS/CTN)	32x30x29
Q19100E	100	30	102	35/33(10PCS/CTN)	37x37x35
Q19120E	120	30	120	25/23(5PCS/CTN)	38x23x39
Q19150E	150	30	142	32/30(5PCS/CTN)	40x25x44



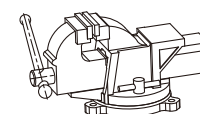
HEAVY DUTY BENCH VISE

★ Material : HT200 Grey cast iron



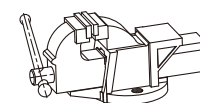
SWIVEL BASE WITH ANVIL

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
8303	3"/75MM	75	80	50	15	6.3	4	56*29*17	28/26
8304	4"/100MM	100	110	60	20	11	2	37*36*21	24/22
8305	5"/125MM	125	140	76	25	18	1	43*20*22	19/18
8306	6"/150MM	150	170	86	29	27	1	50*22*25	29/27
8308	8"/200MM	200	220	110	40	41	1	60*26*28	42/41
8310	10"/250MM	250	250	110	45	60	1	75*35*36	68/60



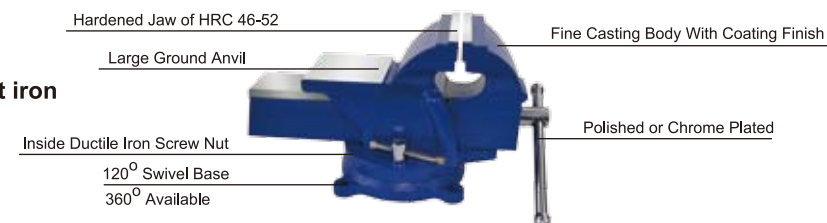
FIXED BASE WITH ANVIL

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
8323	3"/75MM	75	80	48	15	5.5	4	56*29*15	24/22
8324	4"/100MM	100	110	60	20	9.5	2	37*36*18	21/19
8325	5"/125MM	125	140	76	25	17	1	43*20*20	18/17
8326	6"/150MM	150	170	86	29	23.5	1	50*22*25	25/23.5
8328	8"/200MM	200	220	110	40	35.5	1	60*25*26	38/35.5
8330	10"/250MM	250	230	110	45	53	1	75*36*33	60/53



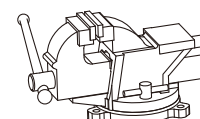
FRENCH TYPE HEAVY DUTY BENCH VISE

★ Material : HT200 Grey cast iron



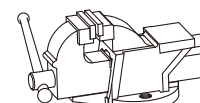
SWIVEL BASE WITH ANVIL

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9803	3"/75MM	75	90	50	10	4.8	4	56*28*17	21/19
9804	4"/100MM	100	100	55	10	6.5	4	58*31*19	28/26
9805	5"/125MM	125	130	69	15	10.5	2	37*36*21	23/21
9806	6"/150MM	150	150	76	20	17	1	43*20*22	18/17
9808	8"/200MM	200	170	88	25	25	1	50*22*25	27/25
9810	10"/250mm	250	220	110	29	40	1	60*27*29	42/40



FIXED BASE WITH ANVIL

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9823	3"/75MM	75	90	50	10	4.1	4	56*28*15	18/16
9824	4"/100MM	100	100	55	10	5.7	4	58*31*17	25/23
9825	5"/125MM	125	130	69	15	9.5	2	37*36*18	21/19
9826	6"/150MM	150	150	76	20	15	1	43*20*20	16/15
9828	8"/200MM	200	170	88	25	23	1	43*22*20	25/23
9830	10"/250MM	250	220	110	29	36.2	1	60*27*27	38/36



HOME VISE (SWIVEL WITH ANVIL)

★ Material : HT200 Grey cast iron



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9303	3.5"/90MM	90	75	60	10	4.5KG	4	55*27*17	20/18
9304	4"/100MM	100	100	60	10	4.8KG	4	55*27*17	21/19
9305	4.5"/115MM	115	110	60	10	4.5KG	4	55*27*17	20/18

CAST IRON ANVIL

★ Material : HT200 Grey cast iron



Model No.	Size	Qty/Ctn	Weight/Ctn(kg)	Ctn Size(cm)
2003	3LBS	12	19/16.8	33x20x21
2007	7LBS	10	32/30	33x20x21
2011	11LBS	6	32/30	36x25x30
2024	24LBS	2	24/22	30x14x18.5
2033	33LBS	1	17	33x15x20
2055	55LBS	1	27	38x17x20
2100	100LBS	1	47	46x23x25.5
2200	200LBS	1	94	61x27x29.5
2300	300LBS	1	139	67.5x32x34.5

TABLE VISE (ROUND ANVIL)

★ Material : HT200 Grey cast iron



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
8602	2"/50MM	50	50	2.1	10	43*38.5*22.5	23/21
8603	2.5"/62MM	62	60	2.2	10	43*38.5*22.5	24/22

TABLE VISE (SQUARE ANVIL)

★ Material : HT200 Grey cast iron



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
8606	2"/50MM	50	50	2.5	10	43*38.5*22.5	27/25
8607	2.5"/62MM	62	60	2.6	10	43*38.5*22.5	28/26
8608	3"/75MM	75	60	2.8	10	45*36*22	30/28
Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
8609	2"/50MM	50	50	1.4	10	43*33*20	16/14
8610	2.5"/62MM	60	50	1.5	10	43*33*20	17/15

AMERICAN TYPE BENCH VISE (SWIVEL WITH ANVIL)

★ Material : QT450-12 Nodular iron



LIGHT DUTY

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Anvil Size (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9504	4"/100MM	100	100	65	55*65	15	8	2	35*35*21	18/16
9505	5"/125MM	125	120	80	80*90	20	12	2	36*31*21	26/24
9506	6"/150MM	150	140	95	80*90	25	17	1	42*21*24	18/17
9508	8"/200MM	200	170	110	90*100	30	26	1	43*28*28	28/26

HEAVY DUTY

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Anvil Size (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9514	4"/100MM	100	100	80	55*65	20	12	2	34.5*17*21	26/24
9515	5"/125MM	125	120	95	80*90	25	16	1	46.5*18.5*23.5	17/16
9516	6"/150MM	150	150	105	80*90	30	25	1	48*23*26	27/25
9518	8"/200MM	200	200	115	90*100	40	30	1	53*24*27.5	32/30

MULTI-PURPOSE BENCH VISE

★ Material : QT450-12 Nodular iron



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9460	4"/100MM	100	100	58	15	10	1	36.5*18.5*18.5	11/10
9462	5"/125MM	125	125	66	20	15	1	46*23*22.5	17/16
9463	5"/125MM	125	150	76	25	18.5	1	46*23*22.5	20/18.5
9464	5.5"/140MM	140	140	80	30	19	1	45*23*22	21/19
9466	6"/150mm	150	140	80	30	20	1	47*23*24	22/20



CAST STEEL ACTIVITIE WITH ANVIL VICE

★ Material : C45 Steel

Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9104	4"/100MM	100	105	60	20	6	1	31*17*16	7/6
9105	5"/125MM	125	130	65	25	13	1	41*20*19	14/13
9106	6"/150MM	150	155	70	30	27	1	51*24*23	28/27
9108	8"/200MM	200	205	80	35	30	1	55*25*24	32/30

ENCLOSED TYPE SWIVEL BENCH VISE WITH ANVIL

★ Material : HT200 Grey cast iron



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (KN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9644	4"/100MM	100	100	85	25	16	1	37*22*23	17/16
9645	5"/125MM	125	125	94	35	22	1	42*27*25	24/22
9646	6"/150MM	150	150	105	45	28	1	48*30*28	30/28
9648	8"/200MM	200	200	113	50	38	1	54*29*30	40/38

■ CAST STEEL ADJUSTABLE BENCH VISE FIXED BASE WITH ANVIL

★ Material: C45 Steel



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (kN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9124	4"/100MM	100	105	60	20	5	1	31*15*14	6/5
9125	5"/125MM	125	130	65	25	11.5	1	41*18*17	12.5/11.5
9126	6"/150MM	150	155	70	30	25.5	1	51*22*21	26.5/25.5
9128	8"/200MM	200	205	80	35	27.5	1	55*24*21	29.5/27.5

■ OFFSET FABRICATED VICES-HEAVY DUTY

★ Material: C45 Steel



Model No.	Size	Width of Jaw(mm)	Max Opening (mm)	Throat Depth (mm)	Clamping Force (kN)	Net Weight (kg)	Qty/Ctn	Ctn Size(cm)	CTN Weight(KG)
9934	4"/100MM	100	100	80	15	9	1	38*19*16	10/9
9935	5"/125MM	125	125	100	20	20	1	46*25*21	22/20
9936	6"/150MM	150	150	120	25	24	1	50*27*22	26/24
9938	8"/200MM	200	200	130	30	29	1	55*32*28	31/29

■ Vise Jaw Inserts(in pairs)

★ Material : Nylon



Length(mm)
100/4"
125/5"
150/6"
200/8"

■ Vise Jaw Inserts(in pairs)

★ Material : Nylon



Length(mm)
100/4"
125/5"
150/6"
200/8"

■ Vise Jaw Inserts(in pairs)

★ Material : Aluminum+Rubber



Length(mm)
100/4"
125/5"
150/6"
200/8"
250/10"
300/12"

NOTE