

# SPARE PARTS

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IDENTIFICATION..... N002

## SPARE PARTS

CLAMP SCREW..... N003

SHIM..... N009

SHIM PIN AND CLAMP LEVER..... N012

LOCK PIN..... N013

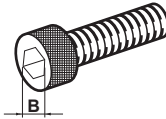
CLAMP BRIDGE..... N013

BREAKER PIECE..... N015

ANTI SEIZE LUBRICANT..... N016

# IDENTIFICATION

## IDENTIFICATION OF CLAMP SCREW (Metric coarse right hand screw thread)



**H SC 060 05**

Length

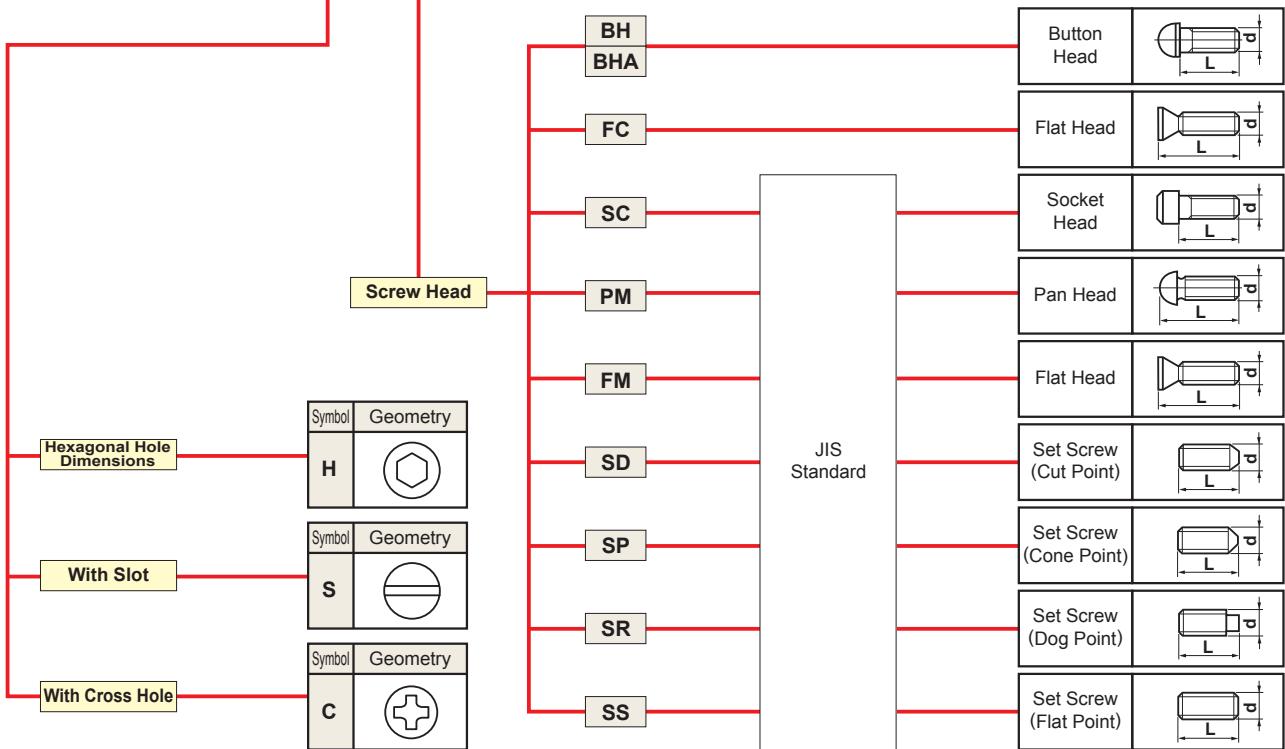
Example	
Symbol	L
05	5
10	10

Screw Diameter

Example	
Symbol	d
050	M5
060	M6

### Hexagonal Hole Dimensions

Diameter	Pitch	B Dimensions			
		HBH	HFC	HSC	HS
M2	0.4	—	—	1.5	0.9
M2.5	0.45	—	—	2	1.3
M3	0.5	2	2	2.5	1.5
M4	0.7	2.5	2.5	3	2
M5	0.8	3	3	4	2.5
M6	1	4	4	5	3
M8	1.25	5	5	6	4
M10	1.5	6	6	8	5



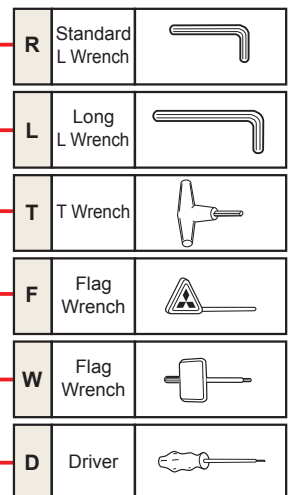
## IDENTIFICATION OF WRENCH

**HKY 15 R**

Symbol	Wrench
HKY	Hexagonal Wrench
TKY	Torx Wrench

Hexagonal Wrench	
Symbol	B
15	1.5
20	2
25	2.5
30	3
40	4
50	5
60	6

Torx Wrench		
Symbol	B	Size
06	1.7	T6
08	2.3	T8
10	2.7	T10
15	3.3	T15
20	3.8	T20
25	4.4	T25
27	5.0	T27
30	5.5	T30



# SPARE PARTS

## CLAMP SCREW

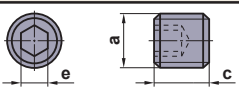
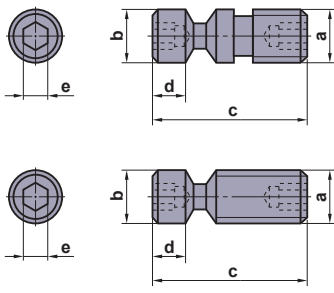
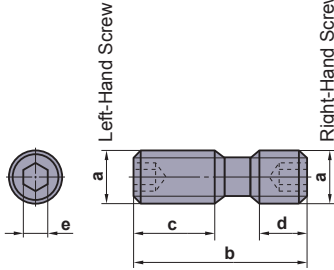
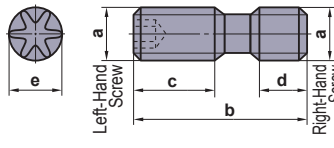
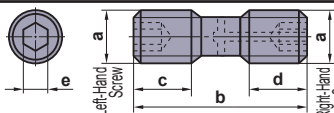
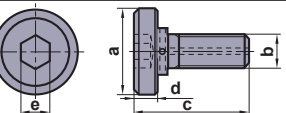
Geometry	Order Number	Dimensions (mm)					Angle $\theta^\circ$	Drive Size	Torque (N·m)	Tool Holder
		a	b	c	d	e				
	<b>AJS3010T10</b>	5	M3×0.5	10	1.5	2.8	120	T10	2.5	<b>AJX</b> Type Cutter (⊕K070)
	<b>4012T15</b>	7	M4×0.7	12	2.2	3.4	120	T15	3.5	
	<b>5014T25</b>	8	M5×0.8	14	2.7	4.5	120	T25	7.5	
	<b>BOES101</b>	15	M10×1.5	45	10	8	60	—	10.0	<b>OCTACUT</b> Type Cutter (⊕K082)
	<b>BRS103</b>	5	M3×0.5	9.9	2.9	3.4	120	T15	3.5	
	<b>105</b>	8	M5×0.8	13.8	3.8	4.5	120	T25	7.5	
	<b>CS3</b> (For Use with C3)	7	M4×0.7	14.6	2.6	2.5	—	—	2.2	<b>F</b> Type Boring Bar (⊕E026)  This clamp screw is included with the clamp as a set.
	<b>CS4</b> (For Use with C4)	9	M5×0.8	15.4	3.4	3	—	—	3.3	
	<b>CS5</b> (For Use with C5)	10.5	M6×1	22	4	4	—	—	7.0	
	<b>CAS51T</b>	7.9	M5×0.8	19	5	4.5	10	T25	8.5	<b>BF407</b> Type (⊕K026)
	<b>CS200T</b>	3.2	M2×0.4	5	1.6	1.8	90	T6	0.5	<b>AL</b> Holder (⊕C034) <b>F</b> Type Boring Bar (⊕E026) <b>MMTI</b> Type Boring Bar (⊕G013) <b>SNT</b> Type Boring Bar (⊕G024) <b>ROTATING TOOLS</b> (⊕K014, K078, K082, K085, K093, K113)
	<b>250T</b>	3.7	M2.5×0.45	6	1.8	2.4	90	T8	1.0	
	* <b>250560T</b>	3.9	M2.5×0.45	5.2	2.5	2.4	60	T8	1.0	
	<b>300590T</b>	4.1	M3×0.5	5.5	2.1	2.4	90	T8	1.0	
	<b>300790TS</b>	4.7	M3×0.5	7	2.3	2.8	90	T10	2.0	
	<b>300890T</b>	4.1	M3×0.5	8	2.1	2.4	90	T8	1.0	
	<b>350690T</b>	4.8	M3.5×0.6	6.5	2.4	2.8	90	T10	2.5	
	* <b>350760T</b>	5.5	M3.5×0.6	7	4	3.4	60	T15	3.5	
	<b>350790T</b>	4.8	M3.5×0.6	7	2.4	2.8	90	T10	2.5	
	* <b>350860T</b>	5.5	M3.5×0.6	8.4	4	3.4	60	T15	3.5	
	<b>350990T</b>	4.8	M3.5×0.6	9	2.4	2.8	90	T10	2.5	
	<b>400990T</b>	6.0	M4×0.7	9	2.8	3.4	90	T15	3.5	
	<b>401160T</b>	5.7	M4×0.7	11	4.5	3.4	60	T15	3.5	
	<b>401990T</b>	6.0	M4×0.7	19	3.0	3.9	90	T20	3.5	
	<b>451190T</b>	6.3	M4.5×0.75	11	2.9	3.9	90	T20	5.0	
	* <b>501160T</b>	7.0	M5×0.8	11	3.6	3.9	60	T20	5.0	
<b>501290T</b>	7.0	M5×0.8	11	3.5	4.5	90	T25	7.5		
<b>502190T</b>	8.5	M5×0.8	21	4.0	5.1	90	T27	7.5		
<b>6016060T</b>	8.5	M6×1.0	16	4.5	4.5	60	T25	7.5		
	<b>CSF401260T</b>	7.2	M4×0.5	12	5.2	3.9	60	T20	5.0	<b>PMR</b> Type Cutter (⊕K118)
	<b>DC0520T</b>	8.5	M5×0.8	22.5	2.5	3.4	—	T15	3.5	<b>DOUBLE CLAMP</b> Holder (⊕C008, C010, C017, C019—C022) <b>DOUBLE CLAMP DIMPLE BAR</b> (⊕E014—E016)
	<b>0621T</b>	10.5	M6×1.0	25	4	3.9	—	T20	5.0	
	<b>DGS51</b>	11.5	M5×0.8	19	4	4	—	—	7.0	<b>DG</b> Type Holder (⊕F096—F115) <b>HSK</b> System (⊕H014—H019)
	<b>DKS4</b>	5.6	M4×0.7	18	3.5	3	—	—	3.3	
	<b>5</b>	7.6	M5×0.8	19	4.5	4	—	—	7.0	



# SPARE PARTS

## CLAMP SCREW

Geometry	Order Number	Dimensions (mm)					Angle $\theta^\circ$	Drive Size	Torque (N·m)	Tool Holder
		a	b	c	d	e				
	<b>EGS06019</b>	9	M6×1	22.5	3.5	3	—	—	3.3	<b>EG</b> Type Holder (☉F120)
	<b>08024</b>	11	M8×1.25	28.5	4.5	4	—	—	7.0	
	<b>FC400890T</b>	5.6	M4×0.7	7.5	1.3	2.8	90	T10	2.5	<b>AL</b> Type Holder (☉C035, C036) <b>AL</b> Type Boring Bar (☉E041) <b>SMG</b> Type Holder (☉F124, G029)
	<b>GY05016S</b>	8.7	M5×0.8	16	3.5	3.9	90	T20	4.5	<b>GY</b> Series (☉F077—F081)
	<b>GY06013M</b>	12	M6×1	18	5	5.6	—	T30	6.0	<b>GY</b> Series (☉F013—F027, F035—F069, F077—F081)
	<b>HFF06015</b>	10	M6×1	15	6	5	80	—	8.2	
	<b>HFF08043H</b>	11	M8×1.25	43	5	5	90	—	8.2	<b>BXD</b> Type Cutter (☉K060)
	<b>HS4L</b>	5.4	M4×0.7	14	2.3	2.5	80	—	3.8	
	<b>5S</b>	6.8	M5×0.8	9	2.8	3	80	—	3.3	
	<b>5L</b>	6.8	M5×0.8	15	2.8	3	80	—	6.6	
	<b>HSP05008C</b>	M5×0.8	8	—	—	2.5	—	—	2.5	<b>MP</b> Type Holder (☉C019—C021) <b>D</b> Type Boring Head (☉E042)
	<b>HY-A1</b>	4.4	M3×0.5	7	2.1	2	82	—	1.5	
	<b>-V1</b>	5.5	M3×0.5	7	2.5	2	82	—	1.5	
	<b>2</b>	5.5	M3×0.5	10	2.5	2	82	—	1.5	
	<b>3</b>	7	M3.5×0.6	12	2.9	2	82	—	1.5	
	<b>4</b>	9.3	M5×0.8	16	3.6	3	82	—	3.3	
	<b>JSS6</b>	6.9	M6×0.75	4.5	1.5	0.8	—	—	—	<b>SP</b> Type Holder (☉C024—C031)
	<b>7</b>	8	M7×0.75	4.4	1.5	1	—	—	—	
	<b>KS1</b>	7	M4×0.7	14	5	—	—	—	—	
	<b>2</b>	10	M6×1	18	7	—	—	—	—	
	<b>3</b>	8	M4×0.7	14	6.5	—	—	—	—	
	<b>1S</b>	7	M4×0.7	14	5	—	—	—	—	
	<b>2S</b>	10	M6×1	18	7	—	—	—	—	
	<b>KS11</b>	8	M5×0.8	19	3	3	—	—	3.3	
	<b>12</b>	10	M6×1	26	4	4	—	—	7.0	
	<b>13</b>	10	M6×1	30	4	4	—	—	7.0	
	<b>14</b>	13	M8×1.25	45	5	5	—	—	9.0	
	<b>HSC08030H</b>	13	M8×1.25	38	8	5	—	—	24	<b>APX3000</b> Type Cutter (☉K042) <b>APX4000</b> Type Cutter (☉K048) <b>AXD7000</b> Type Cutter (☉K056) <b>BXD</b> Type Cutter (☉K060) <b>AJX</b> Type Cutter (☉K070)
	<b>10030H</b>	16	M10×1.5	40	10	6	—	—	40	
	<b>12035H</b>	18	M12×1.75	47	12	10	—	—	80	
	<b>16040H</b>	24	M16×2	56	16	14	—	—	150	

Geometry	Order Number	Dimensions (mm)					Angle $\theta^\circ$	Drive Size	Torque (N·m)	Tool Holder	
		a	b	c	d	e					
	<b>LLR1</b>	M5×0.8	—	3.5	—	2.5	—	—	—		
	<b>2</b>	M6×1	—	5	—	3	—	—	—		
 <p><b>LLCS103, LLCS105 LLCS125, LLCS205</b></p> <p>The products with "*" do not have a hexagonal hole at the end marked b.</p> <p>The products with "☆" do not have a hexagonal hole at the end marked a.</p>	☆ <b>LLCS103</b>	M3×0.5	4	11	4.6	2	—	—	1.5	<b>LL</b> Type Holder (☉C008—C026)	
	* <b>105</b>	M5×0.8	M5×0.8	10	1.5	2	—	—	1.5	<b>P</b> Type Boring Bar (☉E036—E039)	
	<b>106</b>	M6×1	6	16.5	3.5	2.5	—	—	2.2	<b>D</b> Type Boring Head (☉E042—E044)	
	* <b>106S</b>	M6×1	6	13.4	0.7	2.5	—	—	2.2	<b>KSMG</b> Type Cutter (☉K114)	
	<b>108</b>	M8×1.25	8	21	6.5	3	—	—	3.3	<b>HSK</b> System (☉H006—H012)	
	* <b>108S</b>	M8×1.25	8	16.5	2	3	—	—	3.3		
	<b>110</b>	M10×1.5	10	29	8	4	—	—	7.0		
	<b>112</b>	M12×1	11.9	36.2	9	5	—	—	8.0		
	<b>125</b>	M8×0.8	M5×0.8	12	2	2	—	—	1.5		
	<b>205</b>	M5×0.8	M5×0.8	16	4	2	—	—	1.5		
	<b>206</b>	M6×1	6	26	13	2.5	—	—	2.2		
	<b>208</b>	M8×1.25	8	24	6.5	3	—	—	3.3		
	<b>306</b>	M6×1	6	21	4	2.5	—	—	2.2		
	<b>308</b>	M8×1.25	8	42	27.5	3	—	—	3.3		
	<b>310</b>	M10×1	10	29	8	4	—	—	7.0		
	<b>410</b>	M10×1	10	30	6.6	4	—	—	7.0		
<b>508</b>	M8×1	8	24	6.5	3	—	—	3.3			
<b>508S</b>	M8×1	8	20.5	3	3	—	—	3.3			
 <p>*Without Hexagonal Hole on Right-Hand Screw</p>	<b>LS1</b>	M6×1	22	8	8	3	—	—	5.0	<b>DOUBLE CLAMP</b> Holder (For Heavy Cutting) (☉C009, C012, C014)	
	<b>2</b>	M8×1	29	13	10	4	—	—	8.2	<b>UG</b> Type Holder (☉F118)	
	<b>3</b>	M8×1	32	13	13	4	—	—	8.2		
	* <b>4</b>	M6×1	15	8	4	3	—	—	5.0		
	* <b>5</b>	M6×1	18	8	5	3	—	—	5.0	<b>ROTATING TOOLS</b> (☉K014, K016, K018, K020, K022, K024, K026, K027, K032, K036, K060, K082, K085, K116)	
	* <b>6</b>	M8×1	24	13	5	4	—	—	8.2		
	* <b>7</b>	M8×1	27	13	8	4	—	—	8.2		
	* <b>8</b>	M6×0.75	18	7	7	3	—	—	5.0		
	* <b>9</b>	M6×0.75	22	8	8	3	—	—	5.0		
	* <b>10</b>	M7×0.75	16	6	6	4	—	—	8.2		
	* <b>11</b>	M8×1	16	6	6	4	—	—	8.2		
	* <b>12</b>	M8×1	24	7	7	4	—	—	8.2		
	* <b>13</b>	M8×1	34	12	12	4	—	—	8.2		
	* <b>14</b>	M7×0.75	24	10	10	4	—	—	8.2		
	* <b>15</b>	M7×0.75	18	6	8	4	—	—	8.2		
	* <b>16</b>	M7×0.75	23	11	8	4	—	—	8.2		
	* <b>17</b>	M8×1	42	17	11	4	—	—	8.2		
	* <b>18</b>	M7×0.75	14	6	4	4	—	—	8.2		
	* <b>20</b>	M10×1.5	26	9	9	5	—	—	9.0		
	* <b>21</b>	M10×1.5	32	12	12	5	—	—	9.0		
	<b>24</b>	M8×1.25	24	8.5	8.5	4	—	—	8.2		
	<b>25</b>	M8×1.0	27.7	11.8	10.2	4	—	—	8.2		
		<b>10T</b>	M7×0.75	14	6	5	4.5	—	T25	8.5	
		<b>14T</b>	M7×0.75	24	10	10	4.5	—	T25	8.5	
		<b>15T</b>	M7×0.75	18	7	7	4.5	—	T25	8.5	
<b>19T</b>		M6×0.75	11	4	4	3.4	—	T15	5.0		
<b>10TS</b>		M7×0.75	13	6	4	4.5	—	T25	8.5		
<b>0622T</b>		M6×0.75	22	8	8	3.4	—	T15	6.0		
	<b>LS24H</b>	M8×1.25	24	8.5	8.5	4	—	—	8.2	<b>APX3000</b> Type Cutter (☉K042) <b>BXD4000</b> Type Cutter (☉K060)	
	<b>MBA20040H</b>	50	M20×2.5	54	14	17	—	—	320	<b>APX4000</b> Type Cutter (☉K048)	
	<b>24045H</b>	65	M24×3	59	14	17	—	—	520	<b>AXD7000</b> Type Cutter (☉K056) <b>BXD4000</b> Type Cutter (☉K060) <b>AJX</b> Type Cutter (☉K070)	



# SPARE PARTS

## CLAMP SCREW

Geometry	Order Number	Dimensions (mm)					Angle $\theta^\circ$	Drive Size	Torque (N·m)	Tool Holder
		a	b	c	d	e				
	<b>MGS6</b>	10	M6×1	26	4	5	—	—	9.0	
	<b>MHT1</b>	11	M8×1	18.5	3.5	4	—	—	8.7	
	<b>NS251</b>	3.6	M2.5×0.45	7	—	2.2	60	—	0.7	<b>SMALL TOOLS</b> (⊕D014, D027)
	<b>401</b>	5.8	M4×0.7	6	—	3.6	60	—	3.5	
	<b>NS402W</b>	5.85	M4×0.7	10	—	2.2	60	—	0.7	<b>SMALL TOOLS</b> (⊕D012, D013, D016, D018, D024, D030)
	<b>403W</b>	5.85	M4×0.7	12	—	2.2	60	—	0.7	
	<b>404W</b>	5.8	M4×0.7	10	—	2.2	90	—	0.7	
	<b>NS501W</b>	8	M5×0.8	16	—	2.5	120	—	2.2	<b>SMALL TOOLS</b> (⊕D021—D023)
	<b>502W</b>	8	M5×0.8	20	—	2.5	120	—	2.2	
	<b>RN-S4S</b>	5.8	M4×0.5	8.4	2.5	3.4	61	T15	3.5	
	<b>-S4M</b>	5.8	M4×0.5	10	2.2	3.4	61	T15	3.5	
	<b>-S4</b>	5.8	M4×0.5	12.5	2.2	3.4	61	T15	3.5	
	<b>-S5</b>	8.1	M5×0.5	15.4	3.6	3.9	61	T20	5.0	
	<b>-S6</b>	9.5	M6×0.75	20.3	4.6	3.9	61	T20	5.0	
	<b>-S7</b>	11	M7×0.75	24.7	5.2	4.5	61	T25	7.5	
	<b>RS3008T</b>	4.3	M3×0.35	8.6	2	2.4	61	T8	1.5	<b>SRF Type Cutter</b> (⊕K096)
	<b>3510T</b>	5	M3.5×0.35	10	2.3	2.8	61	T10	2.5	
	<b>4015T</b>	6	M4×0.5	14	2.7	3.4	61	T15	3.3	
	<b>5020T</b>	8.1	M5×0.5	16.4	3.6	3.9	61	T20	5.0	
	<b>6025T</b>	9.5	M6×0.75	21.5	4.2	4.5	61	T25	7.5	
	<b>8030T</b>	12	M8×0.75	25	5	5.6	61	T30	10.0	
	<b>S1</b>	3.5	M2×0.4	5.5	2.2	1.5	92	—	1.0	
	<b>3</b>	4.5	M3×0.5	7.7	2.4	2	92	—	1.5	
	<b>4</b>	5.3	M4×0.7	8	1.8	2.5	62	—	2.2	
	<b>5</b>	6.8	M5×0.8	9	2.4	3	62	—	3.3	
	<b>SD32</b>	12	M8×1.25	28	7.2	6	50	—	9.5	<b>D Type Head Arbor</b> (⊕E044, F134, G037)
	<b>40</b>	12	M8×1.25	36	7.2	6	50	—	9.5	
	<b>50</b>	16	M10×1.5	46	8.2	8	50	—	1.0	
	<b>63</b>	16	M10×1.5	61	8.2	8	50	—	1.0	
	<b>SETS51</b>	6.8	M5×0.8	14.8	1.5	3.4	—	T15	3.5	<b>MMTE Type Holder</b> (⊕G012) <b>MMTI Type Boring Bar</b> (⊕G013) <b>SET Type Holder</b> (⊕G022) <b>SNT Type Boring Bar</b> (⊕G024) <b>HSK System</b> (⊕H024)
	<b>61</b>	8	M6×1	20	1.8	3.9	—	T20	5.0	
	<b>SLCS105</b>	10	M5×0.8	25	6.3	4	90	—	7.0	<b>WP Type Holder</b> (⊕C016—C019, C023) <b>M Type Boring Bar</b> (⊕E040)
	<b>106</b>	12	M6×1	32	6.2	4	90	—	7.0	

Geometry	Order Number	Dimensions (mm)					Angle $\theta^\circ$	Drive Size	Torque (N·m)	Tool Holder
		a	b	c	d	e				
	<b>SPS1</b>	8.5	M5×0.8	16	4	4.5	70	T25	5.0	
	<b>SRS5</b>	6.7	M5×0.8	16	3.5	3.9	—	T20	5.0	<b>SRE</b> Type Cutter (⊕K080)
	<b>STS1</b>	6.8	M3×0.5	7	2.2	2.8	90	T10	2.5	
	<b>* TS16</b>	2.5	M1.6×0.35	3.2	1.6	1.8	60	T6	0.5	<b>SP</b> Type Holder (⊕C024, C025, C027—C031) <b>SMALL TOOLS</b> (⊕D008—D011, D026) <b>DIMPLE BAR</b> (⊕E007) <b>MICRO-DEX</b> (⊕E017) <b>F</b> Type Boring Bar (⊕E026) <b>S</b> Type Boring Bar (⊕E029) <b>MMTI</b> Type Boring Bar (⊕G013) <b>SNT</b> Type Boring Bar (⊕G024) <b>ROTATING TOOLS</b> (⊕K024, K032, K036, K039, K041, K056, K060, K063, K070, K080, K085, K088, K104, K108, K110, K111, K112, K116) <b>TAF</b> Drill (⊕L138) <b>HSK</b> System (⊕H013)
	<b>2</b>	2.7	M2×0.4	4.6	1.4	1.8	60	T6	0.5	
	<b>* 2A</b>	2.7	M2×0.4	4.5	1.2	1.8	60	T6	0.5	
	<b>2C</b>	2.7	M2×0.4	3.8	1.4	1.8	60	T6	0.5	
	☆ <b>2D</b>	3.8	M2×0.4	5.3	1.9	1.8	82	T6	0.5	
	<b>21</b>	2.7	M2×0.4	3.4	1.4	1.8	60	T6	0.5	
	<b>* 22</b>	3.0	M2.2×0.45	5	1.2	1.8	60	T6	0.5	
	<b>* 25</b>	3.3	M2.5×0.45	5.5	1.7	2.4	60	T8	1.0	
	☆ <b>25D</b>	4.4	M2.5×0.45	6.2	2.2	2.4	82	T8	1.0	
	<b>* 25H</b>	3.6	M2.5×0.45	5.5	2	2.4	60	T8	1.0	
	<b>202</b>	2.7	M2×0.4	5.5	1.8	1.8	60	T6	0.5	
	<b>253</b>	3.3	M2.5×0.45	4.5	1.7	2.4	60	T8	1.0	
	<b>254</b>	3.3	M2.5×0.45	7	1.7	2.4	60	T8	1.0	
	<b>* 255</b>	3.5	M2.5×0.45	7.5	1.6	2.4	60	T8	1.0	
	<b>3</b>	3.9	M3×0.5	6	2	2.4	60	T8	1.0	
	<b>3D</b>	5.0	M3×0.5	6	2.3	2.8	82	T10	2.5	
	<b>31D</b>	4.8	M3×0.5	7.2	2.2	2.8	82	T10	2.5	
	<b>* 32</b>	3.9	M3×0.5	7.5	2	2.4	60	T8	1.0	
	<b>* 33</b>	3.9	M3×0.5	6.7	2	2.4	60	T8	1.0	
	<b>35</b>	4.8	M3.5×0.6	6.5	2.4	2.8	60	T10	2.5	
	<b>* 35D</b>	5.3	M3.5×0.6	12	2.8	3.4	60	T15	3.5	
	<b>351</b>	4.8	M3.5×0.6	7.2	2.4	2.8	60	T10	2.5	
	<b>4S</b>	5.4	M4×0.7	7	2.4	3.4	80	T15	3.5	
	<b>* 4SB</b>	5.8	M4×0.7	9	2.7	3.4	80	T15	3.5	
	<b>* 4SBL</b>	5.8	M4×0.7	10.5	2.7	3.4	80	T15	3.5	
	<b>* 4SL</b>	5.4	M4×0.7	8	2.4	3.4	80	T15	4.0	
	<b>4</b>	5.4	M4×0.7	8	2.6	3.4	60	T15	3.5	
	<b>4D</b>	5.6	M4×0.7	7.7	2.5	3.4	82	T15	3.5	
	<b>42</b>	5.4	M4×0.7	6	2.6	3.4	60	T15	3.5	
	<b>43</b>	5.4	M4×0.7	10	2.6	3.4	60	T15	3.5	
<b>44</b>	5.4	M4×0.7	12	2.6	3.4	60	T15	3.5		
<b>406</b>	5.4	M4×0.7	15.5	2.6	3.4	60	T15	3.5		
<b>407</b>	5.4	M4×0.7	9	2.6	3.4	60	T15	3.5		
<b>5S</b>	6.8	M5×0.8	9	2.9	4.5	80	T25	7.5		
<b>* 5SL</b>	6.8	M5×0.8	12	2.9	4.5	80	T25	7.5		
<b>5</b>	6.8	M5×0.8	9	3.2	4.5	60	T25	7.5		
<b>5L</b>	6.8	M5×0.8	15	2.9	4.5	80	T25	7.5		
<b>52</b>	6.8	M5×0.8	8	3.2	4.5	60	T25	7.5		
<b>53</b>	6.8	M5×0.8	16	3.2	4.5	60	T25	7.5		
<b>54</b>	6.8	M5×0.8	12	3.2	4.5	60	T25	7.5		
<b>55</b>	6.8	M5×0.8	10.5	3.2	4.5	60	T25	7.5		
<b>* 6S</b>	8.5	M6×1.0	13	4.4	5.6	60	T30	10.0		
<b>* 6</b>	8.5	M6×1.0	16	4.4	5.6	60	T30	10.0		

# SPARE PARTS

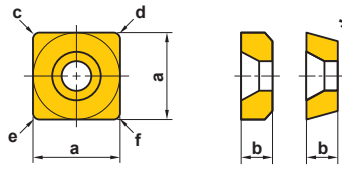
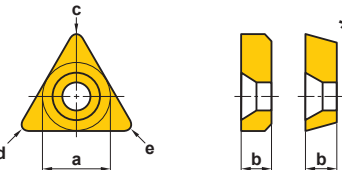
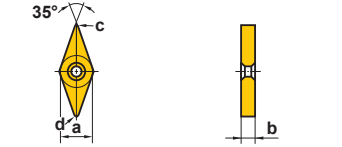
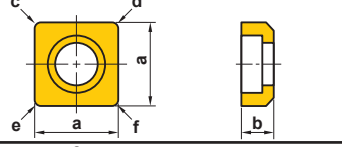
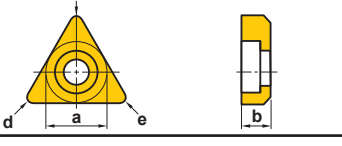
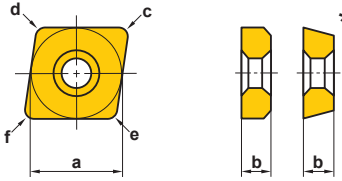
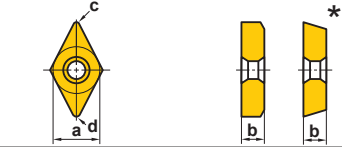
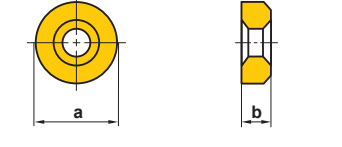
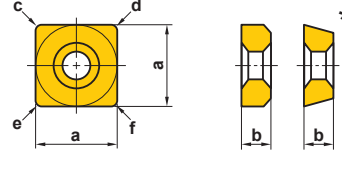
## CLAMP SCREW

Geometry	Order Number	Dimensions (mm)					Angle θ°	Drive Size	Torque (N·m)	Tool Holder
		a	b	c	d	e				
	<b>TPS20</b>	2.7	M2×0.4	3.5	1.3	1.8	60	6IP	0.5	<b>ASX445</b> Type Cutter (⊙K010) <b>ASX400</b> Type Cutter (⊙K028) <b>APX3000</b> Type Cutter (⊙K042) <b>APX4000</b> Type Cutter (⊙K048) <b>PMR</b> Type Cutter (⊙K118)
	<b>22</b>	3.0	M2.2×0.45	4.7	1.6	2.1	60	7IP	0.5	
	<b>22S</b>	3.0	M2.2×0.45	4.2	1.6	2.1	60	7IP	0.5	
	<b>25</b>	3.3	M2.5×0.45	5.5	1.7	2.1	60	7IP	1.0	
	<b>25-1</b>	3.3	M2.5×0.45	6.5	1.7	2.1	60	7IP	1.0	
	<b>35</b>	5.3	M3.5×0.6	11.5	2.8	3.4	60	15IP	3.5	
	<b>4</b>	5.3	M4×0.7	8	2.6	3.4	60	15IP	3.5	
	<b>43</b>	5.3	M4×0.7	10	2.6	3.4	60	15IP	3.5	
	<b>TSR05008S</b>	3.5	M5×0.8	8	—	2.8	—	T10	—	CHAMFER RING (⊙L132)
	<b>06011S</b>	4	M6×1.0	11	—	3.9	—	T20	—	
	<b>TSS04005</b>	M4×0.7	—	5	—	2.4	—	T8	—	PMF Type Cutter (⊙K116)
	<b>05006</b>	M5×0.8	—	6	—	2.8	—	T10	—	
	<b>06010</b>	M6×1	—	10	—	3.9	—	T20	—	
	<b>WCS503507H</b>	6.3	M5×0.5	7	3.3	3.5	—	—	5.0	<b>ASX445</b> Type Cutter (⊙K010) <b>ASX400</b> Type Cutter (⊙K028) <b>PMR</b> Type Cutter (⊙K118)
	<b>604010H</b>	7.8	M6×0.75	10	4.1	4.0	—	—	7.0	
	<b>WS1</b>	8.5	M5×0.8	19	5	4.5	—	T25	7.5	
	<b>WS254012T</b>	4	M2.5×0.45	11.5	2.2	2.4	80	T8	2.0	TAW Drill (⊙L122)
	<b>254013T</b>	4	M2.5×0.45	12.5	2.2	2.4	80	T8	2.0	
	<b>254014T</b>	4	M2.5×0.45	13.5	2.2	2.4	80	T8	2.0	
	<b>254015T</b>	4	M2.5×0.45	14.5	2.2	2.4	80	T8	2.0	
	<b>254016T</b>	4	M2.5×0.45	15.5	2.2	2.4	80	T8	2.0	
	<b>304517T</b>	4.5	M3×0.5	16.5	3.4	2.8	60	T10	3.5	
	<b>304518T</b>	4.5	M3×0.5	17.5	3.4	2.8	60	T10	3.5	
	<b>355520T</b>	5.5	M3.5×0.6	19.5	3.9	3.4	60	T15	5.5	
	<b>355521T</b>	5.5	M3.5×0.6	20.5	3.9	3.4	60	T15	5.5	
	<b>406023T</b>	6	M4×0.7	22.0	4.4	4.5	60	T25	8.5	
	<b>406024T</b>	6	M4×0.7	23.0	4.4	4.5	60	T25	8.5	
	<b>508026T</b>	8	M5×0.8	25.0	5.2	5.1	60	T27	12.0	
<b>508027T</b>	8	M5×0.8	26.0	5.2	5.1	60	T27	12.0		

SPARE PARTS

Geometry	Order Number	Dimensions (mm)						Torque (N·m)	Tool Holder
		a	a'	b	c	d	e		
	<b>HDS08030</b>	M8×0.75	M8×1.25	30	13.5	11.5	4	8.2	<b>BRP</b> Type Cutter (⊙K085) <b>OCTACUT</b> Type Cutter (⊙K082) <b>PMF</b> Type Cutter (⊙K116)
	<b>HDS10031</b>	M10×1.0	M10×1.5	31	14	12	5	9.0	

## SHIM

Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	<b>CS32</b>	9.52	3.18	0.8	0.8	1.2	1.2	
	<b>42</b>	12.70	3.18	0.8	0.8	1.2	1.6	
	<b>43</b>	12.70	4.76	0.8	0.8	1.2	1.6	
	<b>62</b>	19.05	3.18	1.2	1.2	1.6	1.6	
	* <b>PS31</b>	8.28	2.38	0.2	0.2	0.6	0.6	
	* <b>42</b>	11.46	3.18	0.2	0.2	0.6	1.0	
* <b>62</b>	17.20	3.18	0.3	0.3	0.7	0.7		
	<b>CT22</b>	6.35	3.18	0.4	0.8	1.2	—	
	<b>32</b>	9.52	3.18	0.4	0.8	1.2	—	
	<b>33</b>	9.52	4.76	0.4	0.8	1.2	—	
	<b>42</b>	12.70	3.18	0.4	0.8	1.2	—	
	* <b>PT21</b>	5.11	2.38	0.2	0.2	0.6	—	
	* <b>32</b>	8.28	3.18	0.2	0.2	0.6	—	
* <b>42</b>	10.85	3.18	0.3	0.3	0.7	—		
<b>BPT322</b>	7.8	3.18	—	—	—	—		
	<b>DCSVN32</b>	9.52	3.18	0.8	1.2	—	—	<b>DOUBLE CLAMP Holder</b> (☉C019—C021) <b>DOUBLE CLAMP DIMPLE BAR</b> (☉E016)
	<b>ESS42</b>	12.70	3.18	0.8	0.8	1.2	1.6	
	<b>EST32</b>	9.52	3.18	0.4	0.8	1.2	—	
<b>43</b>	12.70	4.76	0.4	0.8	1.2	—	—	
	<b>LLSCN3T3</b>	9.52	3.97	0.4	0.4	0.8	0.8	<b>DOUBLE CLAMP Holder</b> (☉E043) LL Type Holder (☉C008, C009) <b>DOUBLE CLAMP DIMPLE BAR</b> (☉E014) P Type Boring Bar (☉E037) D Type Boring Head (☉E043) HSK System (☉H006—H008)
	<b>33</b>	9.52	4.76	0.4	0.4	0.8	0.8	
	<b>42</b>	12.70	3.18	0.8	0.8	1.2	1.2	
	<b>53</b>	15.87	4.76	1.2	1.2	1.6	1.6	
	<b>63</b>	19.05	4.76	1.2	1.2	1.6	1.6	
	* <b>LLSCP42</b>	12.70	3.18	0.8	0.8	1.2	1.2	
* <b>63</b>	19.05	4.76	1.2	1.2	1.6	1.6		
	<b>LLSDN32</b>	9.52	3.18	0.8	1.2	—	—	<b>DOUBLE CLAMP Holder</b> (☉C010) LL Type Holder (☉C010, C011) <b>DOUBLE CLAMP DIMPLE BAR</b> (☉E014) P Type Boring Bar (☉E037—E039) D Type Boring Head (☉E042, E043) HSK System (☉H009—H111)
	<b>42</b>	12.70	3.18	0.8	1.2	—	—	
	<b>43</b>	12.70	4.76	0.8	1.2	—	—	
	<b>53</b>	15.87	4.76	1.2	1.6	—	—	
	* <b>LLSDP42</b>	12.70	3.18	0.8	1.2	—	—	
	<b>LLSRN103</b>	8.3	3.18	—	—	—	—	LL Type Holder (☉C026) HSK System (☉H012)
	<b>123</b>	9.8	3.18	—	—	—	—	
	<b>164</b>	13.6	4.76	—	—	—	—	
	<b>204</b>	17.3	4.76	—	—	—	—	
	<b>256</b>	22.0	6.35	—	—	—	—	
<b>326</b>	28.0	6.35	—	—	—	—		
	<b>LLSSN32</b>	9.52	3.18	0.8	0.8	1.2	1.2	LL Type Holder (☉C012—C015) <b>DOUBLE CLAMP DIMPLE BAR</b> (☉E015) P Type Boring Bar (☉E036)
	<b>33</b>	9.52	4.76	0.8	0.8	1.2	1.2	
	<b>42</b>	12.70	3.18	0.8	0.8	1.2	1.6	
	<b>53</b>	15.87	4.76	1.2	1.2	1.6	1.6	
	<b>63</b>	19.05	4.76	1.2	1.2	1.6	2.0	
	<b>84</b>	25.40	6.35	1.6	1.6	2.4	2.4	
* <b>LLSSP42</b>	12.70	3.18	0.8	0.8	1.2	1.6		



# SPARE PARTS

## SHIM

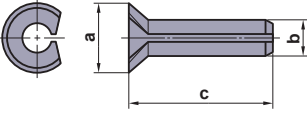
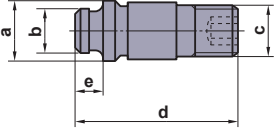
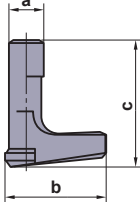
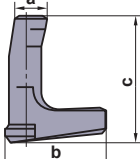
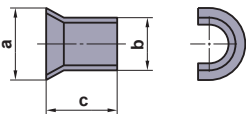
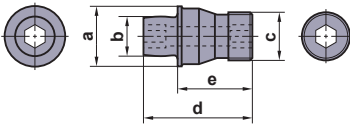
Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	LLSTE32	7.6	3.18	0.4	0.4	0.4	—	LL Type Holder (☉C016—C018)
	LLSTN32	9.52	3.18	0.4	0.8	1.2	—	DOUBLE CLAMP Holder (☉C017)
	33	9.52	4.76	0.4	0.8	1.2	—	DOUBLE CLAMP DIMPLE BAR (☉E015)
	42	12.70	3.18	0.4	0.8	1.2	—	P Type Boring Bar (☉E036)
	53	15.87	4.76	0.8	1.2	1.6	—	D Type Boring Head (☉E042)
	* LLSTP32	9.52	3.18	0.4	0.8	1.2	—	
	* 42	12.70	3.18	0.4	0.8	1.2	—	
	LLSWN32	9.52	3.18	0.4	0.8	1.2	—	LL Type Holder (☉C022)
	3T3	9.52	3.97	0.4	0.8	1.2	—	DOUBLE CLAMP Holder (☉C022)
	42	12.70	3.18	0.4	0.8	1.2	—	DOUBLE CLAMP DIMPLE BAR (☉E016)
	* LLSWP32	9.52	3.18	0.4	0.8	1.2	—	
	* 42	12.70	3.18	0.4	0.8	1.2	—	
	MHS532R/L	9.4	15.7	4.5	0.8	0.8	—	
	533R/L	9.4	15.7	4.5	1.2	1.2	—	
	534R/L	9.4	15.7	4.5	1.6	1.6	—	
	542R/L	9.4	15.7	6.5	0.8	0.8	—	
	543R/L	9.4	15.7	6.5	1.2	1.2	—	
	544R/L	9.4	15.7	6.5	1.6	1.6	—	
	MLCP42	12.58	3.18	1.2	1.2	1.2	1.2	P Type Boring Bar (☉E037)
	MLDP42	12.56	3.18	1.2	1.2	—	—	P Type Boring Bar (☉E037—E039)
	MLSP42	12.63	3.18	1.2	1.2	1.2	1.2	P Type Boring Bar (☉E036)
	MLTP32	9.50	3.18	1.2	1.2	1.2	—	P Type Boring Bar (☉E036)
	MSCN63	18.8	4.76	1.6	1.6	1.6	1.6	DOUBLE CLAMP Holder (For Heavy Cutting) (☉C009)
	MSSN63	18.8	4.76	1.6	1.6	1.6	1.6	DOUBLE CLAMP Holder (For Heavy Cutting) (☉C012, C014)
	CT32T1	9.525	15.03	3.18	—	—	—	SET Type Holder (☉G022)
	PT32T1R	8.28	13.34	3.18	—	—	—	SNT Type Boring Bar (☉G024)
	32T2R	8.28	13.19	3.18	—	—	—	
	42TR	10.85	17.20	3.18	—	—	—	

Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	<b>PV321</b>	9.52	3.18	0.4	0.4	—	—	<b>MP</b> Type Holder (☉C019, C020) <b>D</b> Type Boring Head (☉E044)
	<b>322</b>	9.52	3.18	0.8	0.8	—	—	
	<b>323</b>	9.52	3.18	1.2	1.2	—	—	
	<b>SPSVN32</b>	8.06	3.18	0.3	0.3	—	—	<b>SP</b> Type Holder (☉C030, C031) <b>HSK</b> Tool Holder (☉H013)
	<b>SPSCN42</b>	12.7	3.18	—	—	—	—	<b>SP</b> Holder (☉C024)
	<b>SPSDN32</b>	8.68	3.18	—	—	—	—	<b>SP</b> Holder (☉C025)
	<b>SPSSN42</b>	12.7	3.18	—	—	—	—	<b>SP</b> Holder (☉C028)
	<b>SPSTN32</b>	9.52	3.18	—	—	—	—	<b>SP</b> Holder (☉C029)
	<b>STASX400N</b>	11.00	3.00	0.4	0.4	0.4	0.4	<b>ASX400</b> Type Cutter (☉K028)
	<b>STASX445N</b>	10.76	3.00	—	—	—	—	<b>ASX445</b> Type Cutter (☉K010)
	<b>STBS500N</b>	12.7	3.18	0.8	0.8	0.8	0.8	
	<b>WPSTN33</b>	9.3	4.76	0.8	0.4	1.2	—	<b>WP</b> Type Holder (☉C016—C018)
	<b>43</b>	12.50	4.76	0.8	0.4	1.2	—	
	* <b>WPSWC43</b>	12.50	4.76	0.4	0.8	1.2	—	<b>M</b> Type Boring Bar (☉E040)
	<b>WPSWN43</b>	12.50	4.76	0.4	0.8	1.2	—	



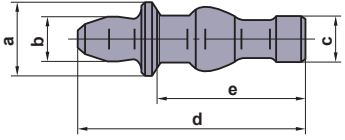
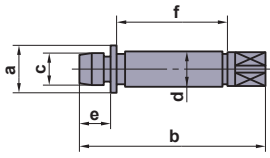
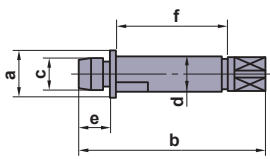
# SPARE PARTS

## SHIM PIN AND CLAMP LEVER

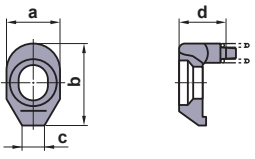
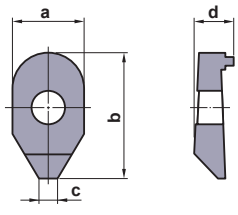
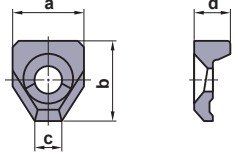
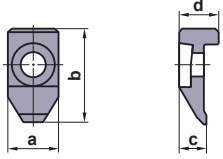
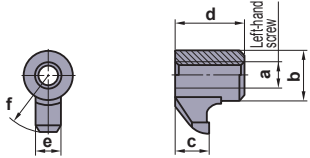
Geometry	Order Number	Dimensions (mm)					Tool Holder
		a	b	c	d	e	
	<b>BCP141</b>	3.0	1.4	5.6	—	—	SP Type Holder (☉C030, C031) F Type Boring Bar (☉E027) HSK System (☉H013)
	<b>201</b>	4.3	2	7.4	—	—	
	<b>202</b>	4.3	2	6.4	—	—	
	<b>251</b>	4.8	2.5	7.4	—	—	
	<b>252</b>	4.8	2.5	6.4	—	—	
	<b>301</b>	5.3	3	7.4	—	—	
	<b>401</b>	6.3	4	7.4	—	—	
	<b>CCP33</b>	6.5	3.66	M5×0.8	18.5	3	WP Holder (☉C016—C018, C023) M Type Boring Bar (☉E040)
	<b>34</b>	7.5	5.0	M6×1.0	18.5	3	
	<b>44</b>	7.5	5.0	M5×0.8	14.2	3	
	<b>LLCL12S</b>	2.1	9.3	5.6	—	—	LL Type Holder (☉C008—C016, C018, C022) P Type Boring Bar (☉E036—E039) D Type Boring Head (☉E042, E043) KSMG Type Cutter (☉K114) HSK System (☉H006, H007, H009, H010, H012)
	<b>13</b>	3.6	10	12.5	—	—	
	<b>13S</b>	3.6	10	7.8	—	—	
	<b>14</b>	4.7	13.4	13.2	—	—	
	<b>14S</b>	4.7	13.6	12.2	—	—	
	<b>15</b>	6.0	19	17	—	—	
	<b>16</b>	7.5	20.8	21	—	—	
	<b>18</b>	8.6	25.4	25.2	—	—	
	<b>23</b>	3.6	12.0	11.5	—	—	
	<b>23S</b>	3.6	11.6	9.5	—	—	
	<b>24</b>	4.7	16.2	14.8	—	—	
	<b>110</b>	3.0	10.7	11.6	—	—	
	<b>112</b>	3.5	13	13.5	—	—	
	<b>116</b>	4.5	18.5	18	—	—	
	<b>120</b>	5.6	20.3	19	—	—	
	<b>125</b>	6	24	24	—	—	
	<b>132</b>	8	30	27	—	—	
	<b>LLP13</b>	5.55	4.85	5.3	—	—	LL Type Holder (☉C008—C016, C018, C022, C026) DOUBLE CLAMP Holder (☉C008, C010, C017, C019—C022) DOUBLE CLAMP DIMPLE BAR (☉E014—E016) P Type Boring Bar (☉E036—E039) D Type Boring Head (☉E042, E043) KSMG Type Cutter (☉K114) HSK System (☉H006—H012)
	<b>14</b>	7.25	6.55	5.8	—	—	
	<b>15</b>	8.8	8.05	8.6	—	—	
	<b>16</b>	10.85	9.85	11.1	—	—	
	<b>18</b>	15.35	13.05	12.0	—	—	
	<b>23</b>	5.55	4.85	6.8	—	—	
	<b>24</b>	7.25	6.55	9.1	—	—	
	<b>MP6</b>	11.9	7.8	M10×1	22.1	15	DOUBLE CLAMP Holder (For Heavy Cutting) (☉C009, C012, C014)

SPARE PARTS

## LOCK PIN

Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	<b>P11S</b>	6	3.7	4	17	11.1	—	<b>MP</b> Type Holder (☉C019—C021) <b>D</b> Type Boring Head (☉E044, F134, G036)
	<b>21S</b>	7.5	4.9	4.5	17.2	11.5	—	
	<b>P221US</b>	4	18	2.11	3.5	3.3	7.7	
	<b>321US</b>	5.5	18	3.64	5.0	3.3	7.5	
	<b>322US</b>	5.5	21	3.64	5.0	3.3	10.5	
	<b>323US</b>	5.5	24	3.64	5.0	3.3	13.5	
	<b>332US</b>	5.5	21	3.64	5.0	4.9	8.9	
	<b>P323WS</b>	5.8	24	3.64	5.0	3.3	12.9	
	<b>333WS</b>	5.8	24	3.64	5.0	4.9	11.3	
	<b>334WS</b>	5.8	30	3.64	5.0	4.9	17.3	
	<b>433W</b>	7.8	24	5.03	7.0	4.9	10.8	
	<b>434W</b>	7.8	30	5.03	7.0	4.9	16.8	

## CLAMP BRIDGE

Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	<b>AMS3</b>	7	12	3	3.3	—	—	<b>AJX</b> Type Cutter (☉K070)
	<b>4</b>	9	13.5	3	3.8	—	—	
	<b>5</b>	10	15	3.5	5	—	—	
	<b>CA142</b>	8	15	4	7	—	—	
	<b>150</b>	9	16	4.5	7	—	—	
	<b>151</b>	10	17	5	7	—	—	
	<b>152</b>	10	19	5	7	—	—	
	<b>153</b>	10	24	5	7	—	—	
	<b>161</b>	13	20	6	8	—	—	
	<b>162</b>	13	24	6	8	—	—	
	<b>163</b>	13	27	6	8	—	—	
	<b>181</b>	16	30	8	10	—	—	
<b>183</b>	16	37	8	10	—	—		
	<b>CCK13</b>	15	18.5	6	9	—	—	<b>WP</b> Type Holder (☉C016—C018, C023) <b>M</b> Type Boring Bar (☉E040)
	<b>14</b>	19	22	8	9.5	—	—	
	<b>CCTC1</b>	13	25	7	10.2	—	—	
	<b>CK231</b>	M6×1	8	4	7.5	4.5	9.5	
	<b>232</b>	M6×1	8	4.5	8	4.5	11.5	
	<b>341</b>	M8×1	11	5.5	13.5	6	13.5	
	<b>342</b>	M8×1	11	6	14	6	16.5	

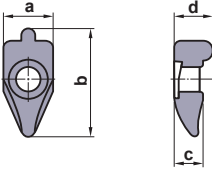
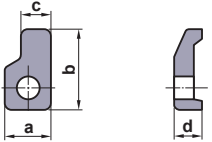


# SPARE PARTS

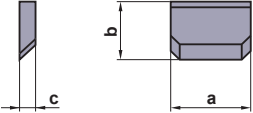
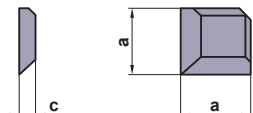
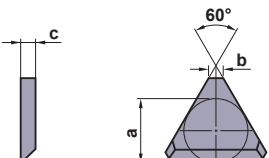
## CLAMP BRIDGE

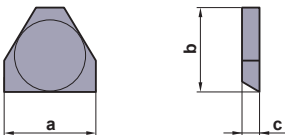
Geometry	Order Number	Dimensions (mm)						Tool Holder
		a	b	c	d	e	f	
	<b>CKW6</b>	10.9	22.5	9.2	16.8	5	M8×1	<b>DOUBLE CLAMP</b> Holder (For Heavy Cutting) (☉C009, C012, C014)
	<b>DCK2211</b>	11	22	6.57	11.1	—	—	<b>DOUBLE CLAMP</b> Holder (☉C008, C010, C017, C019—C022) <b>DOUBLE CLAMP DIMPLE BAR</b> (☉E014—E016)
	<b>2613</b>	13	26.5	7.35	12.9	—	—	
	<b>3113</b>	13	31	9	14.5	—	—	
	<b>DGK2R/L</b>	13.7	26.5	1.2	9	—	—	<b>DG</b> Type Holder (☉F096—F115) <b>HSK</b> System (☉H014—H019)
	<b>3R/L</b>	13.7	26.5	2	9	—	—	
	<b>4R/L</b>	13.7	26.5	3	9	—	—	
	<b>5R/L</b>	13.7	26.5	4	9	—	—	
	<b>6R/L</b>	13.7	26.5	5	9	—	—	
	<b>7R/L</b>	13.7	26.5	6	9	—	—	
	<b>KGC1</b>	12.0	15.0	M7×0.75	—	—	—	<b>UG</b> Type Holder (☉F118)
	<b>LK1</b>	8	14.3	4.5	5.9	—	—	
	<b>MHK5NR/L</b>	15.5	23.5	8.1	12.1	—	—	
	<b>MTK1R/L</b>	13	17.5	5	12	—	—	<b>MG1</b> Type Holder (☉F121) <b>MG</b> Type Holder (☉F122) <b>MT</b> Type Holder (☉G026) <b>MT1</b> Type Holder (☉G026) <b>HSK</b> System (☉H022, H025)
	<b>MTK2R/L</b>	18	28	7	14	—	—	
	<b>SETK51</b>	6.8	14.5	2.9	8	—	—	<b>MMTE</b> Type Holder (☉G012) <b>MMTI</b> Type Holder (☉G013) <b>SET</b> Type Holder (☉G022) <b>SNT</b> Type Holder (☉G024) <b>HSK</b> System (☉H024)
	<b>61</b>	8.9	18.1	4.1	8.6	—	—	

## CLAMP BRIDGE

Geometry	Order Number	Dimensions (mm)				Tool Holder
		a	b	c	d	
	<b>SRK1R</b>	9.4	21	5.5	7.5	SRE Type Cutter (⊕K080)
	<b>UCR</b>	12	24	8	7	

## BREAKER PIECE

Geometry	Order Number	Dimensions (mm)					Tool Holder
		a	b	c	Inscribed Circle	Breaker Width	
	<b>CBS3</b>	9.4	8.0	1.5	9.525	1.5	
	<b>4</b>	12.6	9.2	2.5	12.70	3.5	
	<b>4N</b>	12.6	10.2	2.5	12.70	2.5	
	<b>4F</b>	12.6	11.2	2.5	12.70	1.5	
	<b>6</b>	18.9	14.6	2.5	19.05	4.5	
	<b>6N</b>	18.9	16.6	2.5	19.05	2.5	
	<b>CBS3D</b>	8.0	—	1.5	9.525	1.5	
	<b>4D</b>	10.2	—	2.5	12.70	2.5	
	<b>6D</b>	15.6	—	2.5	19.05	3.5	
	<b>CBT2</b>	5.33	1.4	1.5	6.35	1.5	F Type Boring Bar (⊕E027) *For positive inserts, the breaker width is 0.5mm larger than the figures in the list.
	<b>2N</b>	5.67	1.4	1.5	6.35	1.0	
	<b>3</b>	7.20	1.4	2.5	9.525	3.5	
	<b>3N</b>	7.87	1.4	2.5	9.525	2.5	
	<b>3F</b>	8.53	1.4	2.5	9.525	1.5	
	<b>4</b>	9.73	1.4	2.5	12.70	4.5	
	<b>4N</b>	11.07	1.4	2.5	12.70	2.5	
<b>4F</b>	11.73	1.4	2.5	12.70	1.5		

Geometry	Order Number	Dimensions (mm)			Thread Pitch (mm)	Tool Holder
		a	b	c		
	<b>CBT3106</b>	11.5	10.6	2.0	2.5–3.0	
	<b>3113</b>	11.5	11.3	2.0	1.5–2.0	
	<b>3120</b>	11.5	12	2.0	0.75–1.25	
	<b>4108</b>	13.3	10.8	2.0	3.5–4.0	
	<b>4128</b>	13.3	12.8	2.0	4.5–5.0	

# ANTI SEIZE LUBRICANT

## ANTI SEIZE LUBRICANT

Shape	Order Number	Stock	Volume (g)
	MK1K	★	20
	MK1KS	★	3