

TRUSTEAM

Machine Tool Accessories



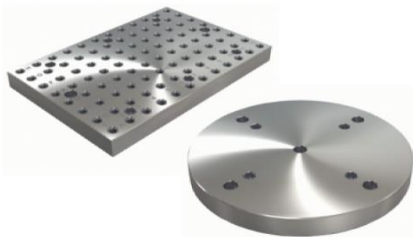
Darling Machine Tools Co., Ltd.



CNC ROTARY TABLE



MC BASE PLATE



MC ANGLE PLATE



ANGLE HEAD



TOOL HOLDER LOCKING DEVICE



MC POWER MACHINE VISE



SUB PLATE



SQUARE TOOLING COLUMN



PULL STUD (BT40)



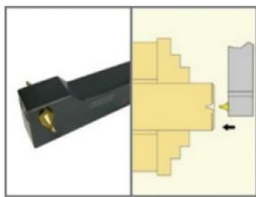
TOOL TROLLEYS-BT



Z AXIS PRESET GAUGE



CENTER DRILL HOLDER



COLLET CHUCK

ER-STRAIGHT



FACE MILL HOLDER

BT



SIDE LOCK HOLDER

BT



ADAPTOR-MORSE TAPER



COLLET CHUCK HOLDER

BT30, BT40, BT50



DRILL CHUCK BT APU TYPE

BT40, BT50



EXPANSIBLE TAPPING HOLDER



**INDEX -
Machining Center Accessories**

(A) CNC Rotary Table

Hydraulic Unit For NC Rotary Table
3-Jaw Chuck For Rotary Table
Tailstock For Rotary Table



(B) MC Power Machine Vise

MC Precision Super Hi-Pressure Rapid Vise
MC Universal Powerful Type Precision Vise
MC Hydraulic Type Precision Vise
MC Universal Powerful Type Precision Vise
Super Open Type Vise
Super Long Open Type Vise
MC Mechanical Type Precision Vise
MC 2 In 1 Double Lock & Anglock Machine Vise
Special Purpose Vise
Multigrip Vise

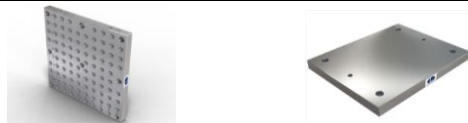


(C) MC Base Plate

MC Base Plate
Round Base Plate



(D) Sub Plate

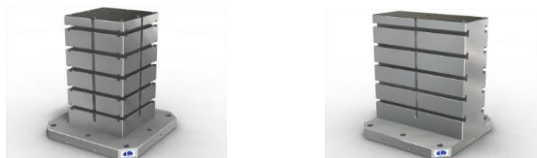


(E) MC Angle Plate



(F) Square Tooling column

Square Tooling Column
Double Sided Column



(G) Angle Head

90° Angle Head -BT



(H) Pull Studs (BT40)



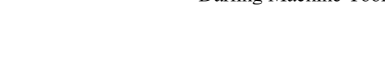
(I) Tool Holder locking device

Tool Holder Locking Device - BT, CAT, HSK



**INDEX -
Machining Center Accessories**

(J) Tool Trolleys - BT	
(K) Z Axis Preset Gauges	
(L) Adaptor - Morse Taper Adaptor - Morse Taper (BT-JTA, BT-MTA, BT-MTB)	
(M) Centre Drill Holder	
(N) Collet Chuck Holder- BT30, BT40, BT50 Collet Chuck Holder - BT/MCST, BT/ER, ET/OZ	
(O) Collet Chuck ER - Straight Straight Collet Chuck ST/ER	
(P) Drill Chuck BT APU Type (BT40, BT50) Drill Chuck Holder BT/APU (BT40, BT50)	
(Q) Face Mill Holder - BT Face Mill Holder -BT/FMA, BT/FMB	
(R) EXPANSIBLE TAPPING HOLDER Expansible Tapping Holder ST20/TA, BT/TA	
(S) Side Lock Holder - (BT) Side Lock Holder -BT/SLA, BT/SLE	

Machining Center Accessories		
(A) CNC Rotary Table		
Item No.	Product Description	Product Image
1	Detron Brand	 Picture shown with GX-P series
2	4th axis CNC Rotary Table	
	MODEL: GX-125P	
	MODEL: GX-125PL (Left hand)	
	Exclusive Worm Drive Minimum Input Increment 0.001° Turntable Diameter Φ125mm (Center Height 110mm)	
3	OPTIONAL ACCESSORIES:	 Picture shown with GX-PL series
4	ST-125T Manual Tailstock	
5	SR-125P Rotary Tailstock With Pneumatic Brake	
	SC-5 5" Chuck With Flange	
6	MODEL: GX-170P	 Picture shown with GX-210PL
7	MODEL: GX-170PL (Left hand)	
	Exclusive Worm Drive Minimum Input Increment 0.001° Turntable Diameter Φ170mm (Center Height 135mm)	
	OPTIONAL ACCESSORIES:	
	ST-170T Manual Tailstock	
8	SR-170P Rotary Tailstock With Pneumatic Brake	
9	SK-7" Chuck W/Flange	
10	Fanuc Servo Motor + Driver	
11	(A06B-0223-B001 + A06B-6114-H104)	
12	MODEL: GX-210P	
13	MODEL: GX-210PL (Left hand)	
	Exclusive Worm Drive Minimum Input Increment 0.001° Turntable Diameter Φ210mm (Center Height 160mm)	
	OPTIONAL ACCESSORIES:	
	ST-210T Manual Tailstock	
14	SR-210P Rotary Pneumatic Tailstock	
15	SK-7" Chuck W/Flange	
16	Fanuc Servo Motor + Driver	
17	(A06B-0223-B001 + A06B-6114-H104)	
18	MODEL: GX-255P (Pneumatic Driven)	
19	MODEL: GX-255PL (Pneumatic Driven) (Left hand)	
	Wholly Circular Hydraulic Locking System Minimum Input Increment 0.001° Turntable Diameter Φ255mm (Center Height 160mm)	
	OPTIONAL ACCESSORIES:	
	ST-255T Manual Tailstock	
20	MODEL: GX-255H (Hydraulic Driven)	
21	MODEL: GX-255HL (Hydraulic Driven) (Left hand)	
	Wholly Circular Hydraulic Locking System Minimum Input Increment 0.001° Turntable Diameter Φ255mm (Center Height 190mm)	
	OPTIONAL ACCESSORIES:	
	ST-255T Manual Tailstock	
22	SR-255H Rotary Tailstock W/Hydraulic Brake	
23	SK-9" Chuck W/Flange	
24	Fanuc Servo Motor + Driver	
25	(A06B-0227-B001 + A06B-6114-H104)	

Machining Center Accessories

(A) CNC Rotary Table

Item No.	Product Description	Product Image
26	MODEL: GX-320H (Hydraulic Driven) . Wholly Circular Hydraulic Locking System . Minimum Input Increment 0.001° . Turntable Diameter Φ320mm(Center Height 210mm) OPTIONAL ACCESSORIES: 27 ST-320T Manual Tailstock 28 SR-320H Rotary Tailstock W/ Hydraulic Brake 29 SK-10" Chuck W/Flange 30 Fanuc Servo Motor + Driver (A06B-0243-B101 + A06B-6114-H105)	 Picture shown with GX-210H (BACK)
31	MODEL: GX-400H (Hydraulic Driven) . Wholly Circular Hydraulic Locking System . Minimum Input Increment 0.001° . Turntable Diameter Φ400mm(Center Height 255mm) OPTIONAL ACCESSORIES: 32 ST-400T Manual Tailstock 33 SR-400H Rotary Tailstock W/ Hydraulic Brake 34 SK-12" Chuck W/Flange 35 Fanuc Servo Motor + Driver	
36	MODEL: GX-500H (Hydraulic Driven) . Wholly Circular Hydraulic Locking System . Minimum Input Increment 0.001° . Turntable Diameter Φ500mm(Center Height 310mm)	
37	MODEL: GX-630H (Hydraulic Driven) . Wholly Circular Hydraulic Locking System . Minimum Input Increment 0.001° . Turntable Diameter Φ630mm(Center Height 400mm)	
38	MODEL: GX-800H (Hydraulic Driven) . Wholly Circular Hydraulic Locking System . Minimum Input Increment 0.001° . Turntable Diameter Φ800mm(Center Height 480mm) OPTIONAL ACCESSORIES: 39 ABR-35 Pneumatic/Hydraulic Converter 40 HTK-50 Single Circle Hydraulic Unit 41 5M Cables To Suit Fanuc Controller	 Picture shown with GX-630H



Picture shown with SK Manual Chuck



Picture shown with SR Series Tailstock



Picture shown with ST-T Tailstock

Machining Center Accessories

(A) CNC Rotary Table

Item No.	Product Description	Product Image
	5th axis CNC Rotary Table	
42	MODEL: GF-125P	
43	MODEL: GF-170P	
44	MODEL: GF-211P	
45	MODEL: GF-256H	
	OPTIONAL ACCESSORIES:	
45	A06B-0223-B001	
46	A06B-0227-B001	
47	A06B-6117-H104	
48	A06B-0243-B101	
49	A06B-6117-H105	
50	Double circuit Hydraulic unit THK-50-2	
Product Image  Picture shown with GF-P Series  Picture shown with GF-H Series		

Machining Center Accessories

(B) MC Power Machine Vise

Item No.	Product Description	Product Image
1 2 3 4 5 6 7	MC PRECISION SUPER HI-PRESSURE RAPID VICE TPV-4" - 100 TPV-5" - 150 TPV-6 - 160 TPV-6" - 250 TPV-7" - 200 TPV-8" - 200 TPV-8" - 300	
	Features: AIR PRESSURE, BIG OPENING, PARALLELING, PREVENT LIFTING 1. This product is the exclusive Patent authorized by USA, Taiwan, and P.R.C 2. 8kg/cm ² low pressure former can hold very high fore up to 9000kgf. 3. Emerged pneumatic motor (PAT.Motor) 4. Only way to press flat type nails is the automatic pressure compensate system. 5. Hymanization design of the hand wheel the safety distance of biting can be up to 8mm and the switch is only 1.5 second. 6. Ductile cast iron spring.	
8 9 10 11	MC UNIVERSAL POWERFUL TYPE PRECISION VISE MPV-100A (power 4000kgf) MPV-130A (power 4500kgf) MPV-160A (power 5000kgf) MPV-200A (power 5500kgf)	
	Features: POWERFUL, BIG OPENING, PARALLELING, PREVENT LIFTING 1. Oil-free powerful mechanical boost system. 2. Max. opening capacity 200mm for MPV-100A Max. opening capacity 240mm for MPV-130A Max. opening capacity 300mm for MPV-160A Max. opening capacity 340mm for MPV-200A 3. Double opening than other same grade vises. Good for longer workpiece. 4. The jaw is deeper than other same grade vises. Good for higher workpiece. 5. The whole swivel base is made by stainless steel with harden treatment. 6. Chip cover adopted, preventing chips falling in. 7. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. the body and solid jaw are a combinat it doesn't tilt. 8. Ductile cast iron spring.	
12 13 14 15	MC HYDRAULIC TYPE PRECISION VISE MHV-100A (power 4000kgf) MHV-130A (power 4500kgf) MHV-160A (power 5000kgf) MHV-200A (power 5500kgf)	
	Features: HYDRAULIC, BIG OPENING, PARALLELING, PREVENT LIFTING 1. Combine concave with convex is low pressure. Convex and concave are separated, then become high pressure. 2. The whole swivel base is made by stainless steel with harden treatment. 3. Double opening than other same grade vises. Good for longer workpiece. 4. The jaw is deeper than other same grade vises. Good for higher workpiece. 5. Chip cover adopted, preventing chips falling in. 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small.the body and solid jaw are a combination struture, it doesn't tilt 7. Ductile cast iron spring.	

Machining Center Accessories

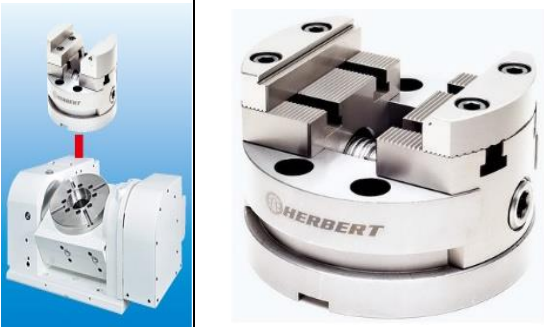
(B) MC Power Machine Vise

Item No.	Product Description	Product Image
16 17	MC UNIVERSAL POWERFUL TYPE PRECISION VISE Super Open Type Vise MPV-160S (power 5000kgf) VIP-160S (power 5500kgf)	
	Features: POWERFUL, BIG OPENING, PARALLELING, PREVENT LIFTING 1. Pressure position system. Oil-free powerful mechanical boost system. 2. Double opening than other same grade vises. Good for longer workpiece. 3. The jaw is deeper than other same grade vises. Good for higher workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in. 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. the body and solid jaw are a combination struture, it doesn't ti 7. Max. opening capacity 240mm 8. Ductile cast iron spring.	
18 19 20 21	SUPER OPEN TYPE VISE VSP-100 (power 4000kgf) VSP-130 (power 4000kgf) VSP-160 (power 5000kgf) VSP-200 (power 5500kgf)	
	Features: POWERFUL, CHANGE, PARALLELING, PREVENT LIFTING 1. Max. opening capacity 140mm for VSP-100 Max. opening capacity 230mm for VSP-130 Max. opening capacity 300mm for VSP-160 Max. opening capacity 350mm for VSP-200 2. Oil-free powerful mechanical boost system. 3. Double opening than other same grade vises. Good for longer workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in. 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. 7. Ductile cast iron spring.	
22 23	SUPER LONG OPEN TYPE VISE VSP-160L (power 5000kgf) VSP-200L (power 5000kgf)	
	Features: POWERFUL, CHANGE, PARALLELING, PREVENT LIFTING 1. Max. opening capacity 450mm for VSP-200L Max. opening capacity 400mm for VSP-160L 2. Oil-free powerful mechanical boost system. 3. Double opening than other same grade vises. Good for longer workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in. 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. 7. Ductile cast iron spring.	

Machining Center Accessories (B) MC Power Machine Vise		
Item No.	Product Description	Product Image
24 25 26 27	SUPER OPEN TYPE VISE VIP-100 (power 4000kgf) VIP-130 (power 4500kgf) VIP-160 (power 5000kgf) VIP-200 (power 5500kgf)	
	Features: POWERFUL, BIG OPENING, PARALLELING, PREVENT LIFTING 1. Pressure position system. Oil-free powerful mechanical boost system. 2. Double opening than other same grade vises. Good for longer workpiece. 3. The jaw is deeper than other same grade vises. Good for higher workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in. 6. Max. opening capacity 200mm for VIP-100 Max. opening capacity 240mm for VIP-130 Max. opening capacity 300mm for VIP-160 Max. opening capacity 340mm for VIP-200 7. Ductile cast iron spring.	
28 29	SUPER LONG OPEN TYPE VISE VSP-200G VSP-250G	
	Features: POWERFUL, CHANGE, PARALLELING, PREVENT LIFTING 1. Max. opening capacity 450mm for VSP-250G Max. opening capacity 400mm for VSP-200G 2. Oil-free powerful mechanical boost system. 3. Double opening than other same grade vises. Good for longer workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in. 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. 7. Ductile cast iron spring.	
30 31 32 33	MC MECHANICAL TYPE PRECISION VISE MB-100A MB-130A MB-160A MB-200A	
	Features: BIG OPENING, PARALLELING, PREVENT LIFTING 1. Max. opening capacity 200mm for MB-100A Max. opening capacity 240mm for MB-130A Max. opening capacity 300mm for MB-160A Max. opening capacity 340mm for MB-200A 2. Double opening than other same grade vises. Good for longer workpiece. 3. The jaw is deeper than other same grade vises. Good for higher workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Chip cover adopted, preventing chips falling in.	

Machining Center Accessories

(B) MC Power Machine Vise

Item No.	Product Description	Product Image
	6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. the body and solid jaw are a combination struture, it doesn't 7. Ductile cast iron spring.	
34 35	MC 2 IN 1 DOUBLE LOCK & ANGLOCK MACHINE VISE MLD-100A MLD-160A	
	Features: BIG OPENING, PARALLELING, PREVENT LIFTING 1. Double-clamp mechanism can process two different size workpiece at the same time. 2. Double opening than other same grade vises. Good for longer workpiece. 3. The jaw is deeper than other same grade vises. Good for higher workpiece. 4. The whole swivel base is made by stainless steel with harden treatment. 5. Six clamping way for selection 6. This Unit had prevent lifting structure, when clamping in down direction power also acting, so the workpiece and movable parts lift very small. the body and solid jaw are a combination struture, it doesn't 7. Ductile cast iron spring.	
36 37 38	SPECIAL PURPOSE VISE: VICES FOR 5-SIDE MACHINING & TURNING CENTERS TMV-100 TMV-130 TMV-160	
	Features: For quick & easy work piece clamping on turning center or for 5-axis machining on Machining Center. Round-shaped style occupies less space and reduces interference. Different styles of vise jaws for different machining needs are available.	
39	MULTIGRIP VISE HMG Series	

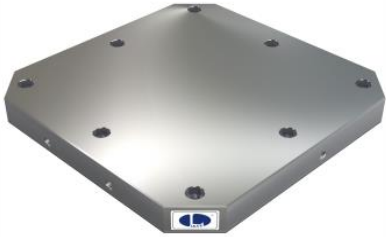
Machining Center Accessories

(C) MC Power Machine Vise

Item No.	Product Description	Product Image			
BP01	M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated (Normalized) Application: Vertical Machining Center. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Width	Length	Height
	BP01-50400-0600		400	600	50
	BP01-50500-0600		500	600	50
	BP01-50600-0600		600	600	50
	BP01-50400-0800		400	800	50
	BP01-50450-0900		450	900	50
	BP01-50500-1000		500	1000	50
	BP01-50600-1200		600	1200	50
	BP02		M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated (Normalized) Application: Vertical Machining Center. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.		
MODEL NO		Width	Length		Height
BP02-50400-0600-12		400	600		50
BP02-50500-0600-12		500	600		50
BP02-50600-0600-12		600	600		50
BP02-50400-0800-12		400	800		50
BP02-50450-0900-12		450	900		50
BP02-50500-1000-12		500	1000		50
BP02-50600-1200-12		600	1200		50
BP02-50400-0600-16		400	600		50
BP02-50500-0600-16		500	600		50
BP02-50600-0600-16		600	600		50
BP02-50400-0800-16		400	800		50
BP02-50450-0900-16		450	900		50
BP02-50500-1000-16		500	1000		50
BP02-50600-1200-16		600	1200		50
BP03		M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: Vertical Machining Center. Features: T-Slots running in 2 directions, easily adapts to standardized jig components.			

Machining Center Accessories

(C) MC Power Machine Vise

Item No.	Product Description				Product Image
BP03	MODEL NO	Width	Length	Height	
	BP03-60400-0600-14	400	600	60	
	BP03-60500-0600-14	500	600	60	
	BP03-60600-0600-14	600	600	60	
	BP03-60400-0800-14	400	800	60	
	BP03-60450-0900-14	450	900	60	
	BP03-60500-1000-14	500	1000	60	
	BP03-60600-1200-14	600	1200	60	
	BP03-75400-0600-18	400	600	75	
	BP03-75500-0600-18	500	600	75	
	BP03-75600-0600-18	600	600	75	
	BP03-75400-0800-18	400	800	75	
	BP03-75450-0900-18	450	900	75	
	BP03-75500-1000-18	500	1000	75	
	BP03-75600-1200-18	600	1200	75	
BP04	M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: Horizontal Machining Center. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO	Width	Length	Height	
	BP04-50400-0400	400	400	50	
	BP04-50500-0500	500	500	50	
	BP04-50630-0630	630	630	50	
	BP04-50800-0800	800	800	50	
BP05	M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: Horizontal Machining Center. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.				
	MODEL NO	Width	Length	Height	
	BP05-50400-0400-12	400	400	50	
	BP05-50500-0500-12	500	500	50	
	BP05-50630-0630-12	630	630	50	
	BP05-50800-0800-12	800	800	50	
	BP05-50400-0400-16	400	400	50	
	BP05-50500-0500-16	500	500	50	
	BP05-50630-0630-16	630	630	50	
	BP05-50800-0800-16	800	800	50	
	BP05-50400-0400-12	400	400	50	
	BP05-50500-0500-12	500	500	50	

Machining Center Accessories

(C) MC Power Machine Vise

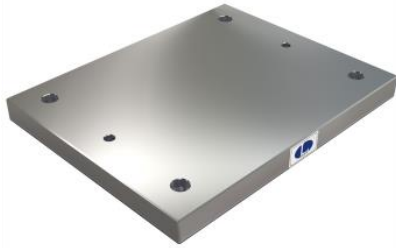
Item No.	Product Description	Product Image			
BP06	M/C BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: Horizontal Machining Center. Features: T-Slots running in 2 directions, easily adapts to standardized jig components.				
	MODEL NO		Width	Length	Height
	BP06-60400-0400-14		400	400	60
	BP06-60500-0500-14		500	500	60
	BP06-60630-0630-14		630	630	60
	BP06-60800-0800-14		800	800	60
	BP06-75400-0400-18		400	400	75
	BP06-75500-0500-18		500	500	75
	BP06-75630-0630-18		630	630	75
	BP06-75800-0800-18		800	800	75
BP16	ROUND BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: NC Rotary Table or Indexer. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Height	Diameter	
	BP16-50-0300		50	300	
	BP16-50-0400		50	400	
	BP16-50-0500		50	500	
	BP16-50-0600		50	600	
BP17	ROUND BASE PLATE Material: Cast Iron FC300 (JIS) / GG30 (DIN) Heat treated: Normalized Application: NC Rotary Table or Indexer. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.				
	MODEL NO		Height	Diameter	
	BP17-50-0300-12		50	300	
	BP17-50-0400-12		50	400	
	BP17-50-0500-12		50	500	
	BP17-50-0600-12		50	600	
	BP17-50-0500-16		50	500	
	BP17-50-0600-16		50	600	

Machining Center Accessories
(C) MC Power Machine Vise

Item No.	Product Description	Product Image															
BP18	ROUND BASE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: NC Rotary Table or Indexer. Features: T-Slots running in 2 directions, easily adapts to standardized jig components. <table><tr><th>MODEL NO</th><th>Height</th><th>Diameter</th></tr><tr><td>BP18-50-0300-14</td><td>50</td><td>300</td></tr><tr><td>BP18-50-0400-14</td><td>50</td><td>400</td></tr><tr><td>BP18-65-0500-18</td><td>65</td><td>500</td></tr><tr><td>BP18-65-0600-18</td><td>65</td><td>600</td></tr></table>	MODEL NO	Height	Diameter	BP18-50-0300-14	50	300	BP18-50-0400-14	50	400	BP18-65-0500-18	65	500	BP18-65-0600-18	65	600	
MODEL NO	Height	Diameter															
BP18-50-0300-14	50	300															
BP18-50-0400-14	50	400															
BP18-65-0500-18	65	500															
BP18-65-0600-18	65	600															

Machining Center Accessories

(D) Sub Plate

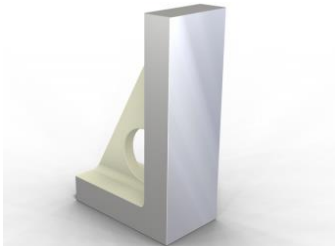
Item No.	Product Description	Product Image			
BP14	SUB-PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: Modular quick change subplate, use with BP13. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Width	Length	Height
	BP14-40400-0400		400	400	40
	BP14-40500-0500		500	500	40
	BP14-40630-0630		630	630	40
	BP14-50800-0800		800	800	50
BP15	SUB-PLATE Material: Cast Iron FC300 (JIS) / GG30 (DIN) Heat treated: Normalized Application: Modular quick change subplate. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.				
	MODEL NO		Width	Length	Height
	BP15-40400-0400-12		400	400	40
	BP15-40500-0500-12		500	500	40
	BP15-40630-0630-12		630	630	40
	BP15-50800-0800-12		800	800	50
	BP15-40400-0400-16		400	400	40
	BP15-40500-0500-16		500	500	40
	BP15-40630-0630-16		630	630	40
	BP15-50800-0800-16		800	800	50
BP19	SUB-PLATE Material: S45C(JIS) / CK45(DIN) Application: Multipurpose subplate. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Width	Length	Height
	BP19-30150-0200-12		150	200	30
	BP19-30150-0300-12		150	300	30
	BP19-30200-0200-12		200	200	30
	BP19-30200-0300-12		200	300	30
	BP19-30300-0300-12		300	300	30
	BP19-40300-0400-12		300	400	40
	BP19-40400-0400-12		400	400	40
	BP19-40400-0500-12		400	500	40
	BP19-30150-0200-16		150	200	30
	BP19-30150-0300-16		150	300	30
	BP19-30200-0200-16		200	200	30
	BP19-30200-0300-16		200	300	30
	BP19-30300-0300-16		300	300	30
	BP19-40300-0400-16		300	400	40
	BP19-40400-0400-16		400	400	40
	BP19-40400-0500-16		400	500	40

Machining Center Accessories

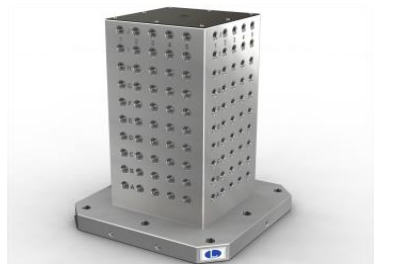
(E) MC Angle Plate

Item No.	Product Description	Product Image			
BP20	M/C ANGLE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: HMC / VMC Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Width	Length	Height
	BP20-220300-0300		300	220	300
	BP20-280400-0400		400	280	400
	BP20-340500-0500		500	340	500
	BP20-435630-0630		630	435	630
	BP20-525800-0800		800	525	800
BP21	M/C ANGLE PLATE Material: Cast Iron FC300 (JIS) / GG30 (DIN) Heat treated: Normalized Application: HMC / VMC. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.				
	MODEL NO		Width	Length	Height
	BP21-220300-0300-12		300	220	300
	BP21-280400-0400-12		400	280	400
	BP21-340500-0500-12		500	340	500
	BP21-435630-0630-12		630	435	630
	BP21-525800-0800-12		800	525	800
	BP21-220300-0300-16		300	220	300
	BP21-280400-0400-16		400	280	400
	BP21-340500-0500-16		500	340	500
	BP21-435630-0630-16		630	435	630
	BP21-525800-0800-16		800	525	800
	BP22		M/C ANGLE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: HMC / VMC. Features: T-Slots running in 2 directions, easily adapts to standardized jig components.		
MODEL NO		Width	Length		Height
BP22-220300-0300-14		300	220		300
BP22-300400-0400-14		400	300		400
BP22-350500-0500-14		500	350		500
BP22-450630-0630-14		630	450		630
BP22-550800-0800-14		800	550		800
BP22-220300-0300-18		300	220		300
BP22-300400-0400-18		400	300		400
BP22-350500-0500-18		500	350		500
BP22-450630-0630-18		630	450		630
BP22-550800-0800-18		800	550		800

Machining Center Accessories (E) MC Angle Plate

Item No.	Product Description	Product Image			
BP23	MC NARROW ANGLE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: HMC / VMC. Features: Ready to accept a hole pattern for your special jig.				
	MODEL NO		Width	Length	Height
	BP23-180100-0300		100	180	300
	BP23-230100-0400		100	230	400
	BP23-280100-0500		100	280	500
BP24	MC NARROW ANGLE PLATE Material: Cast Iron FC300(JIS) / GG30(DIN) Heat treated: Normalized Application: HMC / VMC. Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.				
	MODEL NO		Width	Length	Height
	BP24-180100-0300-12		100	180	300
	BP24-230100-0400-12		100	230	400
	BP24-280100-0500-12		100	280	500
	BP24-180100-0300-16		100	180	300
	BP24-230100-0400-16		100	230	400
	BP24-280100-0500-16		100	280	500

Machining Center Accessories (F) Square Tooling Column

Item No.	Product Description				Product Image																																																																																				
BP07	SQUARE TOOLING COLUMN Material: Cast Iron FC300(JIS) / GG30(DIN) (BPA: High Strength Aluminum Casting) Heat treated: Normalized Application: Horizontal Machining Center. Features: Ready to accept a hole pattern for your special jig.																																																																																								
	<table><tr><th>MODEL NO</th><th>Width</th><th>Length</th><th>Height</th></tr><tr><td>BP07-300300-0500</td><td>300</td><td>300</td><td>500</td></tr><tr><td>BP07-400400-0500</td><td>400</td><td>400</td><td>500</td></tr><tr><td>BP07-400400-0650</td><td>400</td><td>400</td><td>650</td></tr><tr><td>BP07-500500-0600</td><td>500</td><td>500</td><td>600</td></tr><tr><td>BP07-500500-0750</td><td>500</td><td>500</td><td>750</td></tr><tr><td>BP07-630630-0700</td><td>630</td><td>630</td><td>700</td></tr><tr><td>BP07-630630-0850</td><td>630</td><td>630</td><td>850</td></tr><tr><td>BP07-800800-0800</td><td>800</td><td>800</td><td>800</td></tr><tr><td>BP07-800800-1000</td><td>800</td><td>800</td><td>1000</td></tr><tr><td>BP07-10001000-1000</td><td>1000</td><td>1000</td><td>1000</td></tr><tr><td>BP07-10001000-1250</td><td>1000</td><td>1000</td><td>1250</td></tr><tr><td>BPA07-400400-0500</td><td>400</td><td>400</td><td>500</td></tr><tr><td>BPA07-400400-0650</td><td>400</td><td>400</td><td>650</td></tr><tr><td>BPA07-500500-0600</td><td>500</td><td>500</td><td>600</td></tr><tr><td>BPA07-500500-0750</td><td>500</td><td>500</td><td>750</td></tr><tr><td>BPA07-630630-0700</td><td>630</td><td>630</td><td>700</td></tr><tr><td>BPA07-630630-0850</td><td>630</td><td>630</td><td>850</td></tr><tr><td>BPA07-800800-0800</td><td>800</td><td>800</td><td>800</td></tr><tr><td>BPA07-800800-1000</td><td>800</td><td>800</td><td>1000</td></tr></table>									MODEL NO	Width	Length	Height	BP07-300300-0500	300	300	500	BP07-400400-0500	400	400	500	BP07-400400-0650	400	400	650	BP07-500500-0600	500	500	600	BP07-500500-0750	500	500	750	BP07-630630-0700	630	630	700	BP07-630630-0850	630	630	850	BP07-800800-0800	800	800	800	BP07-800800-1000	800	800	1000	BP07-10001000-1000	1000	1000	1000	BP07-10001000-1250	1000	1000	1250	BPA07-400400-0500	400	400	500	BPA07-400400-0650	400	400	650	BPA07-500500-0600	500	500	600	BPA07-500500-0750	500	500	750	BPA07-630630-0700	630	630	700	BPA07-630630-0850	630	630	850	BPA07-800800-0800	800	800	800	BPA07-800800-1000	800	800	1000
	MODEL NO	Width	Length	Height																																																																																					
	BP07-300300-0500	300	300	500																																																																																					
	BP07-400400-0500	400	400	500																																																																																					
	BP07-400400-0650	400	400	650																																																																																					
	BP07-500500-0600	500	500	600																																																																																					
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	BP07-630630-0700	630	630	700																																																																																					
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	BPA07-400400-0500	400	400	500																																																																																					
	BPA07-400400-0650	400	400	650																																																																																					
	BPA07-500500-0600	500	500	600																																																																																					
	BPA07-500500-0750	500	500	750																																																																																					
	BPA07-630630-0700	630	630	700																																																																																					
	BPA07-630630-0850	630	630	850																																																																																					
	BPA07-800800-0800	800	800	800																																																																																					
BPA07-800800-1000	800	800	1000																																																																																						
BP08	SQUARE TOOLING COLUMN Material: Cast Iron FC300 (JIS) / GG30 (DIN) (BPA: High Strength Aluminum Casting) Heat treated: Normalized Application: Horizontal Maching Center.																																																																																								
	<table><tr><th>MODEL NO</th><th>Width</th><th>Length</th><th>Height</th></tr><tr><td>BP08-300300-0500-12</td><td>300</td><td>300</td><td>500</td></tr><tr><td>BP08-400400-0500-12</td><td>400</td><td>400</td><td>500</td></tr><tr><td>BP08-400400-0650-12</td><td>400</td><td>400</td><td>650</td></tr><tr><td>BP08-500500-0600-12</td><td>500</td><td>500</td><td>600</td></tr><tr><td>BP08-500500-0750-12</td><td>500</td><td>500</td><td>750</td></tr><tr><td>BP08-630630-0700-12</td><td>630</td><td>630</td><td>700</td></tr><tr><td>BP08-630630-0850-12</td><td>630</td><td>630</td><td>850</td></tr><tr><td>BP08-800800-0800-12</td><td>800</td><td>800</td><td>800</td></tr><tr><td>BP08-800800-1000-12</td><td>800</td><td>800</td><td>1000</td></tr><tr><td>BP08-10001000-1000-12</td><td>1000</td><td>1000</td><td>1000</td></tr><tr><td>BP08-10001000-1250-12</td><td>1000</td><td>1000</td><td>1250</td></tr><tr><td>BP08-300300-0500-16</td><td>300</td><td>300</td><td>500</td></tr></table>									MODEL NO	Width	Length	Height	BP08-300300-0500-12	300	300	500	BP08-400400-0500-12	400	400	500	BP08-400400-0650-12	400	400	650	BP08-500500-0600-12	500	500	600	BP08-500500-0750-12	500	500	750	BP08-630630-0700-12	630	630	700	BP08-630630-0850-12	630	630	850	BP08-800800-0800-12	800	800	800	BP08-800800-1000-12	800	800	1000	BP08-10001000-1000-12	1000	1000	1000	BP08-10001000-1250-12	1000	1000	1250	BP08-300300-0500-16	300	300	500																												
	MODEL NO	Width	Length	Height																																																																																					
	BP08-300300-0500-12	300	300	500																																																																																					
	BP08-400400-0500-12	400	400	500																																																																																					
	BP08-400400-0650-12	400	400	650																																																																																					
	BP08-500500-0600-12	500	500	600																																																																																					
	BP08-500500-0750-12	500	500	750																																																																																					
	BP08-630630-0700-12	630	630	700																																																																																					
	BP08-630630-0850-12	630	630	850																																																																																					
	BP08-800800-0800-12	800	800	800																																																																																					
	BP08-800800-1000-12	800	800	1000																																																																																					
	BP08-10001000-1000-12	1000	1000	1000																																																																																					
	BP08-10001000-1250-12	1000	1000	1250																																																																																					
	BP08-300300-0500-16	300	300	500																																																																																					

Machining Center Accessories (F) Square Tooling Column

Item No.	Product Description				Product Image
	MODEL NO	Width	Length	Height	
	BP08-400400-0500-16	400	400	500	
	BP08-400400-0650-16	400	400	650	
	BP08-500500-0600-16	500	500	600	
	BP08-500500-0750-16	500	500	750	
	BP08-630630-0700-16	630	630	700	
	BP08-630630-0850-16	630	630	850	
	BP08-800800-0800-16	800	800	800	
	BP08-800800-1000-16	800	800	1000	
	BP08-10001000-1000-16	1000	1000	1000	
	BP08-10001000-1250-16	1000	1000	1250	
	BPA08-400400-0500-12	400	400	500	
	BPA08-400400-0650-12	400	400	650	
	BPA08-500500-0600-12	500	500	600	
	BPA08-500500-0750-12	500	500	750	
	BPA08-630630-0700-12	630	630	700	
	BPA08-630630-0850-12	630	630	850	
	BPA08-800800-0800-12	800	800	800	
	BPA08-800800-1000-12	800	800	1000	
	BPA08-400400-0500-16	400	400	500	
	BPA08-400400-0650-16	400	400	650	
	BPA08-500500-0600-16	500	500	600	
	BPA08-500500-0750-16	500	500	750	
	BPA08-630630-0700-16	630	630	700	
	BPA08-630630-0850-16	630	630	850	
	BPA08-800800-0800-16	800	800	800	
	BPA08-800800-1000-16	800	800	1000	
BP09	SQUARE TOOLING COLUMN Material: Cast Iron FC300(JIS) / GG30(DIN) (BPA: High Strength Aluminum Casting) Heat treated: Normalized Application: Horizontal Machining Center.				
	MODEL NO	Width	Length	Height	
	BP09-400400-0500-14	400	400	500	
	BP09-400400-0650-14	400	400	650	
	BP09-500500-0600-14	500	500	600	
	BP09-500500-0750-14	500	500	750	
	BP09-630630-0700-14	630	630	700	
	BP09-630630-0850-14	630	630	850	
	BP09-800800-0800-14	800	800	800	
	BP09-800800-1000-14	800	800	1000	
	BP09-10001000-1000-14	1000	1000	1000	
	BP09-10001000-1250-14	1000	1000	1250	
	BP09-400400-0500-18	400	400	500	
	BP09-400400-0650-18	400	400	650	
	BP09-500500-0600-18	500	500	600	
	BP09-500500-0600-18	500	500	600	
	BP09-500500-0750-18	500	500	750	
	BP09-630630-0700-18	630	630	700	

Machining Center Accessories (F) Square Tooling Column

Item No.	Product Description				Product Image
	MODEL NO	Width	Length	Height	
	BP09-630630-0850-18	630	630	850	
	BP09-800800-0800-18	800	800	800	
	BP09-800800-1000-18	800	800	1000	
	BP09-10001000-1000-18	1000	1000	1000	
	BP09-10001000-1250-18	1000	1000	1250	
	BPA09-400400-0500-14	400	400	500	
	BPA09-400400-0650-14	400	400	650	
	BPA09-500500-0600-14	500	500	600	
	BPA09-500500-0750-14	500	500	750	
	BPA09-630630-0700-14	630	630	700	
	BPA09-630630-0850-14	630	630	850	
	BPA09-800800-0800-14	800	800	800	
	BPA09-800800-1000-14	800	800	1000	
	BPA09-400400-0500-18	400	400	500	
	BPA09-400400-0650-18	400	400	650	
	BPA09-500500-0600-18	500	500	600	
	BPA09-500500-0750-18	500	500	750	
	BPA09-630630-0700-18	630	630	700	
	BPA09-630630-0850-18	630	630	850	
	BPA09-800800-0800-18	800	800	800	
	BPA09-800800-1000-18	800	800	1000	
	BP10	DOUBLE SIDED COLUMN Material: Cast Iron FC300(JIS) / GG30(DIN) (BPA: High Strength Aluminum Casting) Heat treated: Normalized Application: Horizontal Machining Center. Features: Ready to accept a hole pattern for your special jig.			
	MODEL NO	Width	Length	Height	
	BP10-300300-0500	300	300	500	
	BP10-400400-0500	400	400	500	
	BP10-400400-0650	400	400	650	
	BP10-500500-0600	500	500	600	
	BP10-500500-0750	500	500	750	
	BP10-630630-0700	630	630	700	
	BP10-630630-0850	630	630	850	
	BP10-800800-0800	800	800	800	
	BP10-800800-1000	800	800	1000	
	BP10-10001000-1000	1000	1000	1000	
	BP10-10001000-1250	1000	1000	1250	
	BPA10-400400-0500	400	400	500	
	BPA10-400400-0650	400	400	650	
	BPA10-500500-0600	500	500	600	
	BPA10-500500-0750	500	500	750	
	BPA10-630630-0700	630	630	700	
	BPA10-630630-0850	630	630	850	
	BPA10-800800-0800	800	800	800	
	BPA10-800800-1000	800	800	1000	

Machining Center Accessories (F) Square Tooling Column

Item No.	Product Description	Product Image			
BP11	DOUBLE SIDED COLUMN Material: Cast Iron FC300 (JIS) / GG30 (DIN) (BPA: High Strength Aluminum Casting) Heat treated: Normalized Application: Horizontal Maching Center.				
	MODEL NO	Width		Length	Height
	BP11-300300-0500-12	300		300	500
	BP11-400400-0500-12	400		400	500
	BP11-400400-0650-12	400		400	650
	BP11-500500-0600-12	500		500	600
	BP11-500500-0750-12	500		500	750
	BP11-630630-0700-12	630		630	700
	BP11-630630-0850-12	630		630	850
	BP11-800800-0800-12	800		800	800
	BP11-800800-1000-12	800		800	1000
	BP11-10001000-1000-12	1000		1000	1000
	BP11-10001000-1250-12	1000		1000	1250
	BP11-300300-0500-16	300		300	500
	BP11-400400-0500-16	400		400	500
	BP11-400400-0650-16	400		400	650
	BP11-500500-0600-16	500		500	600
	BP11-500500-0750-16	500		500	750
	BP11-630630-0700-16	630		630	700
	BP11-630630-0850-16	630		630	850
	BP11-800800-0800-16	800		800	800
	BP11-800800-1000-16	800		800	1000
	BP11-10001000-1000-16	1000		1000	1000
	BP11-10001000-1250-16	1000		1000	1250
	BPA11-400400-0500-12	400		150	500
	BPA11-400400-0650-12	400		150	650
	BPA11-500500-0600-12	500		200	600
	BPA11-500500-0750-12	500		200	750
	BPA11-630630-0700-12	630		250	700
	BPA11-630630-0850-12	630		250	850
	BPA11-800800-0800-12	800		300	800
	BPA11-800800-1000-12	800		300	1000
	BPA11-400400-0500-16	400		150	500
	BPA11-400400-0650-16	400		150	650
	BPA11-500500-0600-16	500		200	600
	BPA11-500500-0750-16	500		200	750
	BPA11-630630-0700-16	630		250	700
	BPA11-630630-0850-16	630		250	850
	BPA11-800800-0800-16	800		300	800
	BPA11-800800-1000-16	800		300	1000

Machining Center Accessories (F) Square Tooling Column

Item No.	Product Description				Product Image
BP12	DOUBLE SIDED COLUMN				
	Material: Cast Iron FC300(JIS) / GG30(DIN) (BPA: High Strength Aluminum Casting)				
	Heat treated: Normalized				
	Application: Horizontal Machining Center.				
	MODEL NO	Width	Length	Height	
	BP12-400400-0500-14	400	400	500	
	BP12-400400-0650-14	400	400	650	
	BP12-500500-0600-14	500	500	600	
	BP12-500500-0750-14	500	500	750	
	BP12-630630-0700-14	630	630	700	
	BP12-630630-0850-14	630	630	850	
	BP12-800800-0800-14	800	800	800	
	BP12-800800-1000-14	800	800	1000	
	BP12-10001000-1000-14	1000	1000	1000	
	BP12-10001000-1250-14	1000	1000	1250	
	BP12-400400-0500-18	400	400	500	
	BP12-400400-0650-18	400	400	650	
	BP12-500500-0600-18	500	500	600	
	BP12-500500-0750-18	500	500	750	
	BP12-630630-0700-18	630	630	700	
	BP12-630630-0850-18	630	630	850	
	BP12-800800-0800-18	800	800	800	
	BP12-800800-1000-18	800	800	1000	
	BP12-10001000-1000-18	1000	1000	1000	
	BP12-10001000-1250-18	1000	1000	1250	
	BPA12-400400-0500-14	400	400	500	
	BPA12-400400-0650-14	400	400	650	
	BPA12-500500-0600-14	500	500	600	
	BPA12-500500-0750-14	500	500	750	
	BPA12-630630-0700-14	630	630	700	
	BPA12-630630-0850-14	630	630	850	
	BPA12-800800-0800-14	800	800	800	
	BPA12-800800-1000-14	800	800	1000	
	BPA12-400400-0500-18	400	400	500	
	BPA12-400400-0650-18	400	400	650	
	BPA12-500500-0600-18	500	500	600	
	BPA12-500500-0750-18	500	500	750	
	BPA12-630630-0700-18	630	630	700	
	BPA12-630630-0850-18	630	630	850	
	BPA12-800800-0800-18	800	800	800	
	BPA12-800800-1000-18	800	800	1000	

Machining Center Accessories

(G) Angle Head

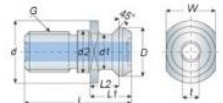
Item No.	Product Description	Product Image
1	90° ANGLE HEAD AHA-BT40-ER32 ◎ Run-out : 0.002 mm ◎ Squareness : 10 Arc Second ◎ Material : Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 27 Nm ◎ Gear Ratio : 1 : 0.81 ◎ Spindle Type : BT ◎ Standard Accessory : Hook Spanner, ER Wrench, ER Nut ◎ Output Rotation: Reverse to Input Rotation	
2	90° ANGLE HEAD AHA-BT40-ER40 ◎ Run-out : 0.002 mm ◎ Squareness : 10 Arc Second ◎ Material : Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 27 Nm ◎ Gear Ratio : 1 : 0.81 ◎ Spindle Type : BT ◎ Standard Accessory : Hook Spanner, ER Wrench, ER Nut ◎ Output Rotation: Reverse to Input Rotation	
3	90° ANGLE HEAD AHC-BT40-FA25.4 ◎ Run-out : 0.002 mm ◎ Squareness : 10 Arc Second ◎ Material : Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 47 Nm ◎ Gear Ratio : 1 : 1 ◎ Spindle Type : BT ◎ Standard Accessory : Open End Wrench ◎ Output Rotation: Reverse to Input Rotation	
4	90° ANGLE HEAD AHC-BT50-FA25.4 ◎ Run-out : 0.002 mm ◎ Squareness : 10 Arc Second ◎ Material : Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 47 Nm ◎ Gear Ratio : 1 : 1 ◎ Spindle Type : BT ◎ Standard Accessory : Open End Wrench ◎ Output Rotation: Reverse to Input Rotation	

Machining Center Accessories

(G) Angle Head

Item No.	Product Description	Product Image
5	90° ANGLE HEAD AHG-BT40-ER25 ◎ Run-out : 0.002 mm ◎ Material : Alloy Steel & Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 20 Nm ◎ Gear Ratio : 1 : 1 ◎ Spindle Type : BT ◎ Standard Accessory : Open End Wrench, ER Wrench, ER Nut ◎ Output Rotation: Reverse to Input Rotation	
6	90° ANGLE HEAD AHG-BT50-ER25 ◎ Run-out : 0.002 mm ◎ Material : Alloy Steel & Ductile Cast Iron(FCD65) ◎ R.P.M. : Max. 4000 RPM ◎ Torque: Max. 20 Nm ◎ Gear Ratio : 1 : 1 ◎ Spindle Type : BT ◎ Standard Accessory : Open End Wrench, ER Wrench, ER Nut ◎ Output Rotation: Reverse to Input Rotation	

Machining Center Accessories
(H) Pull Stud

Item No.	Product Description	Product Image																																				
1	#BT40-MAZAK PULL STUD (ISO40-ISO7388/MAZAK)	 MAZAK Pull Stud 拉桿 / 拉頭  <table><tr><th>Model No.</th><th>L</th><th>L1</th><th>L2</th><th>D</th><th>d</th><th>d1</th><th>d2</th><th>W</th><th>G</th><th>t</th><th>Weight (kg)</th></tr><tr><td>BT40 MAZAK</td><td>44.1</td><td>19.1</td><td>14.03</td><td>18.8</td><td>22</td><td>12.45</td><td>17</td><td>19</td><td>M16</td><td>7</td><td>0.06</td></tr><tr><td>BT50 MAZAK</td><td>65.2</td><td>25.2</td><td>17.56</td><td>29</td><td>36</td><td>20.83</td><td>25</td><td>30</td><td>M24</td><td>10</td><td>0.20</td></tr></table> Unit: mm	Model No.	L	L1	L2	D	d	d1	d2	W	G	t	Weight (kg)	BT40 MAZAK	44.1	19.1	14.03	18.8	22	12.45	17	19	M16	7	0.06	BT50 MAZAK	65.2	25.2	17.56	29	36	20.83	25	30	M24	10	0.20
Model No.	L	L1	L2	D	d	d1	d2	W	G	t	Weight (kg)																											
BT40 MAZAK	44.1	19.1	14.03	18.8	22	12.45	17	19	M16	7	0.06																											
BT50 MAZAK	65.2	25.2	17.56	29	36	20.83	25	30	M24	10	0.20																											
2	#BT40 PULL STUD (STANDARD TYPE) 45°																																					

Machining Center Accessories

(I) Tool Holder Locking Device

Item No.	Product Description	Product Image
1	TOOL HOLDER LOCKING DEVICE BT30	
2	TOOL HOLDER LOCKING DEVICE BT40 (LD-BT40A)	
3	TOOL HOLDER LOCKING DEVICE BT50 (LD-BT50A)	
4	TOOL HOLDER LOCKING DEVICE CAT40 (LD-CAT40A)	
5	TOOL HOLDER LOCKING DEVICE CAT50 (LD-CAT50A)	
6	TOOL HOLDER LOCKING DEVICE HSK50 (LDB-HSK50)	
7	TOOL HOLDER LOCKING DEVICE HSK63 (LDB-HSK63)	

Machining Center Accessories (J) Tool Trolleys

Item No.	Product Description	Product Image
1	TOOL TROLLEYS BT40 WITH 2 DRAWERS WITHOUT ASSEMBLING	

Machining Center Accessories

(K) Z Axis Preset Gauges

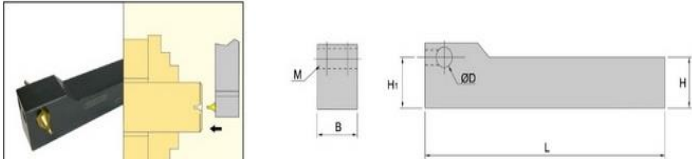
Item No.	Product Description	Product Image
1	Z AXIS PRESET GAUGE (OPTICAL TYPE) HEIGHT: 50MM +/- 0.005MM ZOP-50	 OPTICAL TYPE
2	Z AXIS PRESET GAUGE (INDICATOR TYPE) HEIGHT: 50MM +/- 0.008MM ZIP-50	 ZIP-50
3	Z AXIS PRESET GAUGE (INDICATOR TYPE) HEIGHT: 50MM +/- 0.005MM ZIP-50A, WITH BETER PARELLELISM, SENSITIVITY AND PRECISION FOR USE	 ZIP-50A
4	Z AXIS PRESET GAUGE (INDICATOR TYPE) HEIGHT: 50MM +/- 0.008MM ZOV-50	 ZOV-50

Machining Center Accessories (L) Adaptor-Morse Taper (BT)

Item No.	Product Description	Product Image
1	MORSE TAPER ADAPTOR BT40- JTA6-45	
2	MORSE TAPER ADAPTOR BT40- JTA6-90	
3	MORSE TAPER ADAPTOR BT50-JTA6-45	
4	MORSE TAPER ADAPTOR BT50-JTA6-105	
5	MORSE TAPER HOLDER BT40-MTA2-45	
6	MORSE TAPER HOLDER BT40-MTA3-75	
7	MORSE TAPER HOLDER BT40-MTA4-90	
8	MORSE TAPER HOLDER BT50-MTA3-60	
9	MORSE TAPER HOLDER BT50-MTA4-75	
10	MORSE TAPER HOLDER BT40-MTB2-45	
11	MORSE TAPER HOLDER BT40-MTB3-75	
12	MORSE TAPER HOLDER BT50-MTB2-45	
13	MORSE TAPER HOLDER BT50-MTB3-60	
14	MORSE TAPER HOLDER BT50-MTB4-75	

Machining Center Accessories

(M) Center Drill Holder

Item No.	Product Description	Product Image
1	CENTER DRILL HOLDER Ø10MM, 20 X 20MM, L : 125L, M8 X 2	
2	CENTER DRILL HOLDER Ø10MM, 25 X 25MM, L : 150L, M8 X 2	

Machining Center Accessories

(N) Collet Chuck Holder (BT)

Item No.	Product Description	Product Image
1	BT-MCST MILLING COLLET CHUCK HOLDER BT30-MCST20-85 WITH WRENCH	
2	BT-MCST MILLING COLLET CHUCK HOLDER BT40-MCST25-90 WITH WRENCH	
3	BT-MCST MILLING COLLET CHUCK HOLDER BT40-MCST32-105 WITH WRENCH	
4	COLLET CHUCK HOLDER BT30-ER20-60	
5	COLLET CHUCK HOLDER BT30-ER32-60	
6	COLLET CHUCK HOLDER BT40-ER16-70	
7	COLLET CHUCK HOLDER BT40-ER16-100	
8	COLLET CHUCK HOLDER BT40-ER20-70	
9	COLLET CHUCK HOLDER BT40-ER20-100	
10	COLLET CHUCK HOLDER BT40-ER25-70	
11	COLLET CHUCK HOLDER BT40-ER25-100	
12	COLLET CHUCK HOLDER BT40-ER32-70	
13	COLLET CHUCK HOLDER BT40-ER32-100	
14	COLLET CHUCK HOLDER BT40-ER32-70	
15	COLLET CHUCK HOLDER BT40-ER32-80	
16	COLLET CHUCK HOLDER BT40-ER40-80	
17	COLLET CHUCK HOLDER BT50-ER16-150	
18	COLLET CHUCK HOLDER BT50-ER20-100	
19	COLLET CHUCK HOLDER BT50-ER32-100	
20	COLLET CHUCK HOLDER BT50-ER32-150	
21	COLLET CHUCK HOLDER BT50-ER40-150	
22	COLLET CHUCK HOLDER BT50-ER40 -100	
23	COLLET CHUCK HOLDER BT50-ER40-150	

Machining Center Accessories

(N) Collet Chuck Holder (BT)

Item No.	Product Description	Product Image
24	COLLET CHUCK HOLDER BT40-OZ25-80	
25	COLLET CHUCK HOLDER BT50-OZ25-100	
26	OZ25 COLLET DIN6388 (SIZE RANGE : METRIC 3-25MM & IMPERIAL 1/8"-1")	
27	BT40-OZ25-80 COLLET CHUCK / 15 PCS	
28	BT50-OZ25-100 COLLET CHUCK / 15 PCS	

Machining Center Accessories

(O) Collet Chuck ER (Straight)

Item No.	Product Description	Product Image
1	STRAIGHT COLLET CHUCK ST20-ER16-100 20MM x ER16 x 100MM 1. 100MM LONG 2. SHANK 20MM	
2	STRAIGHT COLLET CHUCK ST20-ER16-150 20MM X ER16 X 150MM 1. 150MM LONG 2. SHANK 20MM	
3	STRAIGHT COLLET CHUCK ST25-ER25-100 25MM X ER25 X 100MM	
4	STRAIGHT COLLET CHUCK ST32-ER32-100 (2-20MM) 32MM X ER32 X 100MM 1. 100MM LONG 2. SHANK 32MM	
5	STRAIGHT COLLET CHUCK ST40-ER32-100 (3-26MM) 40MM x ER32 x 100MM WITH STANDARD ACCESSORIES AND INCLUDING: 1. 100MM LONG 2. SHANK 40MM	
6	STRAIGHT COLLET CHUCK ST25-ER20UM-70 25 X 70L X ER20 (2-13MM) SHANK 25mm	
7	STRAIGHT SHANK COLLET ST25 (RANGE SIZE : 4MM - 20MM)	
8	STRAIGHT SHANK COLLET ST32 (RANGE SIZE : 4MM - 25MM)	

Machining Center Accessories
(P) Drill Chuck BT (APU)

Item No.	Product Description	Product Image
1	DRILL CHUCK HOLDER BT40 APU08-85 (1-8MM)	
2	DRILL CHUCK HOLDER BT40 APU13-110 (1-13MM)	
3	DRILL CHUCK HOLDER BT40-APU16-120	
4	DRILL CHUCK HOLDER BT50-APU13-120	

Machining Center Accessories
(Q) Face Mill Holder

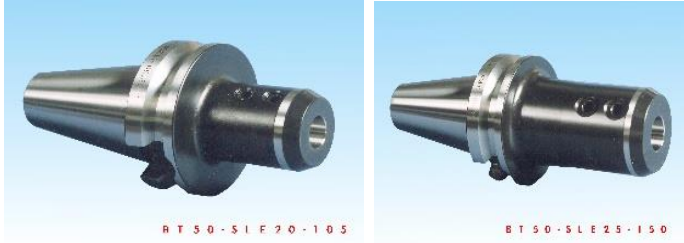
Item No.	Product Description	Product Image
1	FACE MILL HOLDER BT40-FMA25.4-75	
2	FACE MILL HOLDER BT40-FMA25.4-90	
3	FACE MILL HOLDER BT50-FMA25.4-75	
4	FACE MILL HOLDER BT50-FMA25.4-90	
5	FACE MILL HOLDER BT50-FMA25.4-105	
6	FACE MILL ARBOR BT30-FMB22-45	
7	FACE MILL ARBOR BT40-FMB22-45	
8	FACE MILL ARBOR BT40-FMB22-90	
9	FACE MILL ARBOR BT40-FMB27-45	
10	FACE MILL ARBOR BT40-FMB32-45	
11	FACE MILL ARBOR BT40-FMB40-60	
12	FACE MILL ARBOR BT50-FMB27-45	
13	FACE MILL ARBOR BT50-FMB32-45	
14	FACE MILL ARBOR BT50-FMB40-75	

Machining Center Accessories
(R) Expansible Tapping Holder

Item No.	Product Description	Product Image
1	EXPANSIBLE TAPPING HOLDER ST20-TA16-80 (M3-M10) ER16 X 80MM LONG SHANK 20mm	
2	EXPANSIBLE TAPPING HOLDER ST32-TA32-100 (M3-M25) ER32 x 100MM LENGTH 32MM SHANK	
3	EXPANSIBLE TAPPING HOLDER BT40-TA32-110 (M3-M25) ER32 X 110MM LONG BT40 SHANK	

Machining Center Accessories

(S) Side Lock Holder

Item No.	Product Description	Product Image
1	SIDE LOCK HOLDER BT40-SLA10-75	
2	SIDE LOCK HOLDER BT40-SLA12-75	
3	SIDE LOCK HOLDER BT40-SLA16-75	
4	SIDE LOCK HOLDER BT40-SLA20-90	
5	SIDE LOCK HOLDER BT40-SLA25-90	
6	SIDE LOCK HOLDER BT40-SLA32-90	
7	SIDE LOCK HOLDER BT50-SLE16-90	
8	SIDE LOCK HOLDER BT50-SLE20-105	
9	SIDE LOCK HOLDER BT50-SLE25-105	
10	SIDE LOCK HOLDER BT50-SLE32-105	
11	SIDE LOCK HOLDER BT50-SLE40-120	

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