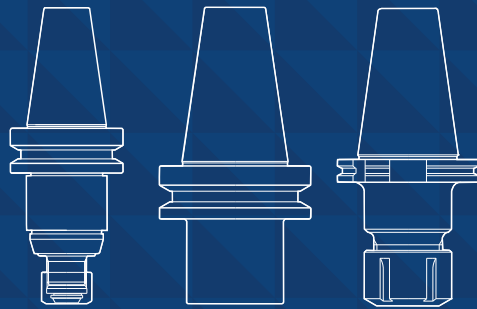


YE24
EUROPE
2024 / 2025



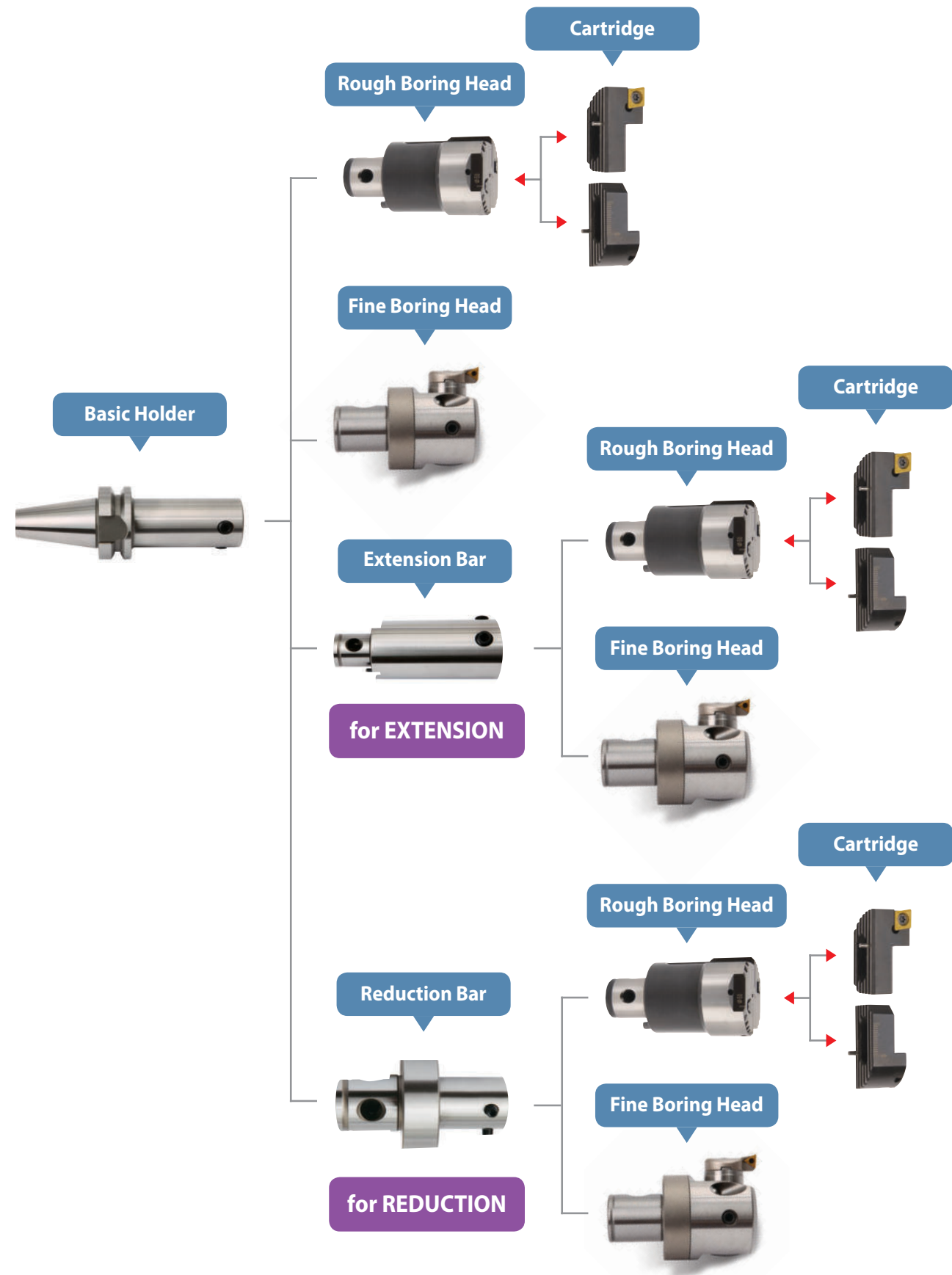
CUTTING TOOLS



TOOLING SYSTEM

YG-1 CO., LTD.

FINE & ROUGH BORING BAR (SMALL BORE)



Fine Boring Range : 20mm~154mm



FEATURE

- Easy assembly and wide expandability
- Precise boring range adjustment by adjustment Dial with 1/100mm unit
- Ease to adjust length by employing modular system to use extension bar with various size
- Double rigid fixing of extension bar with
 - Side locking
 - Fixing pin inside
- Design to use insert conforming to ISO standard
- Basic Holder, Extension Bar and Reduction Bar interchangeable between Fine Boring Bar and Rough Boring Bar

Rough Boring Range : 25mm~156mm



FEATURE

- Easy to replace head
- Extension Bar : Adjusting length according to machining conditions
- Reduction Bar : Adjusting boring range according to machining conditions
- Precision of extension, reduction, and repeatability of assembling and disassembling of Boring Head
- Using insert conforming to ISO standard
- Basic Holder, Extension Bar and Reduction Bar interchangeable between Fine Boring Bar and Rough Boring Bar

BT (JIS B6339/MAS403/ISO 7388-2)								Unit : mm
TAPER No.	MODEL No.	EDP No.	S No.	D	L	G	FIG.	WEIGHT (Kg)
30	BT30-S11-72	P2901001	11	18.5	72	M5x0.8	1	-
	BT30-S14-37.5	P2901002	14	23.5	37.5	M5x0.8	2	-
	BT30-S14-82.5	P2901003	14	23.5	82.5	M5x0.8	2	-
	BT30-S18-39	P2901004	18	31	39	M8x1.0	2	-
	BT30-S18-79	P2901005	18	31	79	M8x1.0	2	-
	BT30-S22-38	P2901006	22	39	38	M8x1.0	2	-
	BT30-S22-73	P2901007	22	39	73	M8x1.0	2	-
	BT30-S28-63	P2901008	28	50	63	M10x1.0	3	-
40	BT40-S11-72	P2901009	11	18.5	72	M5x0.8	2	-
	BT40-S14-42.5	P2901010	14	23.5	42.5	M5x0.8	2	-
	BT40-S14-82.5	P2901011	14	23.5	82.5	M5x0.8	2	-
	BT40-S18-44	P2901012	18	31	44	M8x1.0	2	-
	BT40-S18-94	P2901013	18	31	94	M8x1.0	2	-
	BT40-S22-43	P2901014	22	39	43	M8x1.0	2	-
	BT40-S22-88	P2901015	22	39	88	M8x1.0	2	-
	BT40-S28-48	P2901016	28	50	48	M10x1.0	2	-
	BT40-S28-79	P2901017	28	50	79	M10x1.0	2	-
	BT40-S36-64	P2901018	36	64	64	M16x1.5	3	-
	BT40-S46-90	P2901019	46	90	90	M16x1.5	3	-

► NEXT PAGE

BT (JIS B6339/MAS403/ISO 7388-2)								Unit : mm
TAPER No.	MODEL No.	EDP No.	S No.	D	L	G	FIG.	WEIGHT (Kg)
50	BT50-S11-102	P2901020	11	18.5	102	M5x0.8	1	-
	BT50-S14-52.5	P2901021	14	23.5	52.5	M5x0.8	2	-
	BT50-S14-112.5	P2901022	14	23.5	112.5	M5x0.8	2	-
	BT50-S18-54	P2901023	18	31	54	M8x1.0	2	-
	BT50-S18-124	P2901024	18	31	124	M8x1.0	2	-
	BT50-S22-58	P2901025	22	39	58	M8x1.0	2	-
	BT50-S22-118	P2901026	22	39	118	M8x1.0	2	-
	BT50-S22-178	P2901027	22	39	178	M8x1.0	2	-
	BT50-S28-63	P2901028	28	50	63	M10x1.0	2	-
	BT50-S28-108	P2901029	28	50	108	M10x1.0	2	-
	BT50-S28-183	P2901030	28	50	183	M10x1.0	2	-
	BT50-S28-228	P2901031	28	50	228	M10x1.0	2	-
	BT50-S36-94	P2901032	36	64	94	M16x1.5	2	-
	BT50-S36-169	P2901033	36	64	169	M16x1.5	2	-
	BT50-S36-229	P2901034	36	64	229	M16x1.5	2	-
	BT50-S46-93	P2901035	46	90	93	M16x1.5	2	-
	BT50-S46-243	P2901036	46	90	243	M16x1.5	2	-

- ▶ The Basic Holder interchangeable between Fine Boring and Rough Boring bar.
- ▶ The Basic Holder, Boring Head & Insert Holder must be ordered separately.

HSK-A (DIN 69893/ISO 12164)								Unit : mm
TAPER No.	MODEL No.	EDP No.	S No.	D	L	G	FIG.	WEIGHT (Kg)
40A	HSK40A-S11-72.5	P2902001	11	18.5	72.5	M5x0.8	2	-
	HSK40A-S14-39.5	P2902002	14	23.5	39.5	M5x0.8	2	-
	HSK40A-S14-84.5	P2902003	14	23.5	84.5	M5x0.8	2	-
	HSK40A-S18-45	P2902004	18	31	45	M8x1.0	2	-
	HSK40A-S18-80	P2902005	18	31	80	M8x1.0	2	-
	HSK40A-S22-53	P2902006	22	39	53	M8x1.0	3	-
	HSK40A-S22-73	P2902007	22	39	73	M8x1.0	3	-
50A	HSK50A-S11-72.5	P2902008	11	18.5	72.5	M5x0.8	2	-
	HSK50A-S14-84.5	P2902009	14	23.5	84.5	M5x0.8	2	-
	HSK50A-S18-80	P2902010	18	31	80	M8x1.0	2	-
	HSK50A-S22-73	P2902011	22	39	73	M8x1.0	3	-
	HSK50A-S28-83	P2902012	28	50	83	M10x1.0	3	-
63A	HSK63A-S11-77.5	P2902013	11	18.5	77.5	M5x0.8	2	-
	HSK63A-S14-89.5	P2902014	14	23.5	89.5	M5x0.8	2	-
	HSK63A-S18-100	P2902015	18	31	100	M8x1.0	2	-
	HSK63A-S22-93	P2902016	22	39	93	M8x1.0	2	-
	HSK63A-S28-83	P2902017	28	50	83	M10x1.0	2	-
	HSK63A-S36-79	P2902018	36	64	79	M16x1.5	3	-
	HSK63A-S46-100	P2902019	46	90	100	M16x1.5	3	-
100A	HSK100A-S11-102.5	P2902020	11	18.5	102.5	M5x0.8	1	-
	HSK100A-S14-114.5	P2902021	14	23.5	114.5	M5x0.8	1	-
	HSK100A-S18-125	P2902022	18	31	125	M8x1.0	1	-
	HSK100A-S22-118	P2902023	22	39	118	M8x1.0	2	-
	HSK100A-S22-178	P2902024	22	39	178	M8x1.0	2	-
	HSK100A-S28-108	P2902025	28	50	108	M10x1.0	2	-
	HSK100A-S28-183	P2902026	28	50	183	M10x1.0	2	-
	HSK100A-S28-228	P2902027	28	50	228	M10x1.0	2	-
	HSK100A-S36-94	P2902028	36	64	94	M16x1.5	2	-
	HSK100A-S36-169	P2902029	36	64	169	M16x1.5	2	-
	HSK100A-S36-229	P2902030	36	64	229	M16x1.5	2	-
	HSK100A-S46-123	P2902031	46	90	123	M16x1.5	2	-
	HSK100A-S46-273	P2902032	46	90	273	M16x1.5	2	-

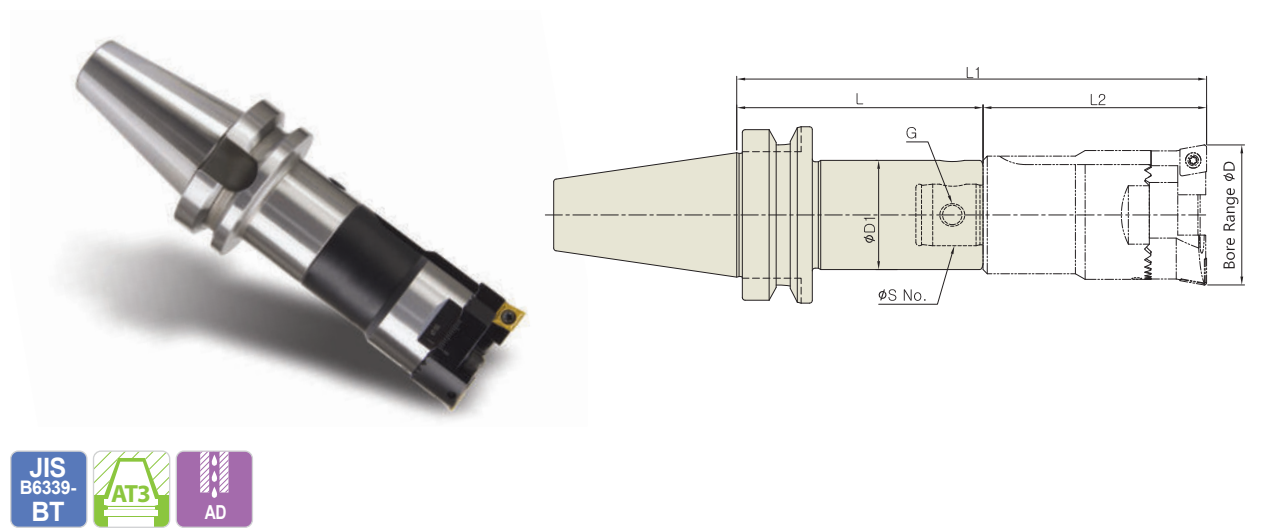
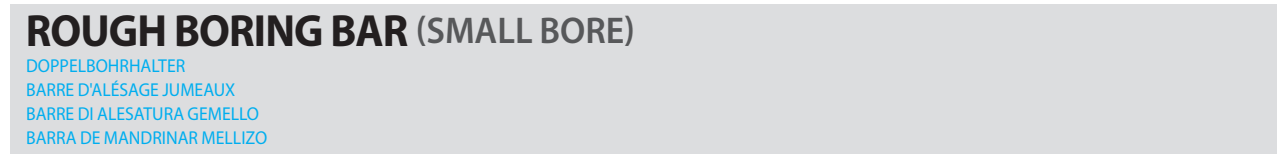
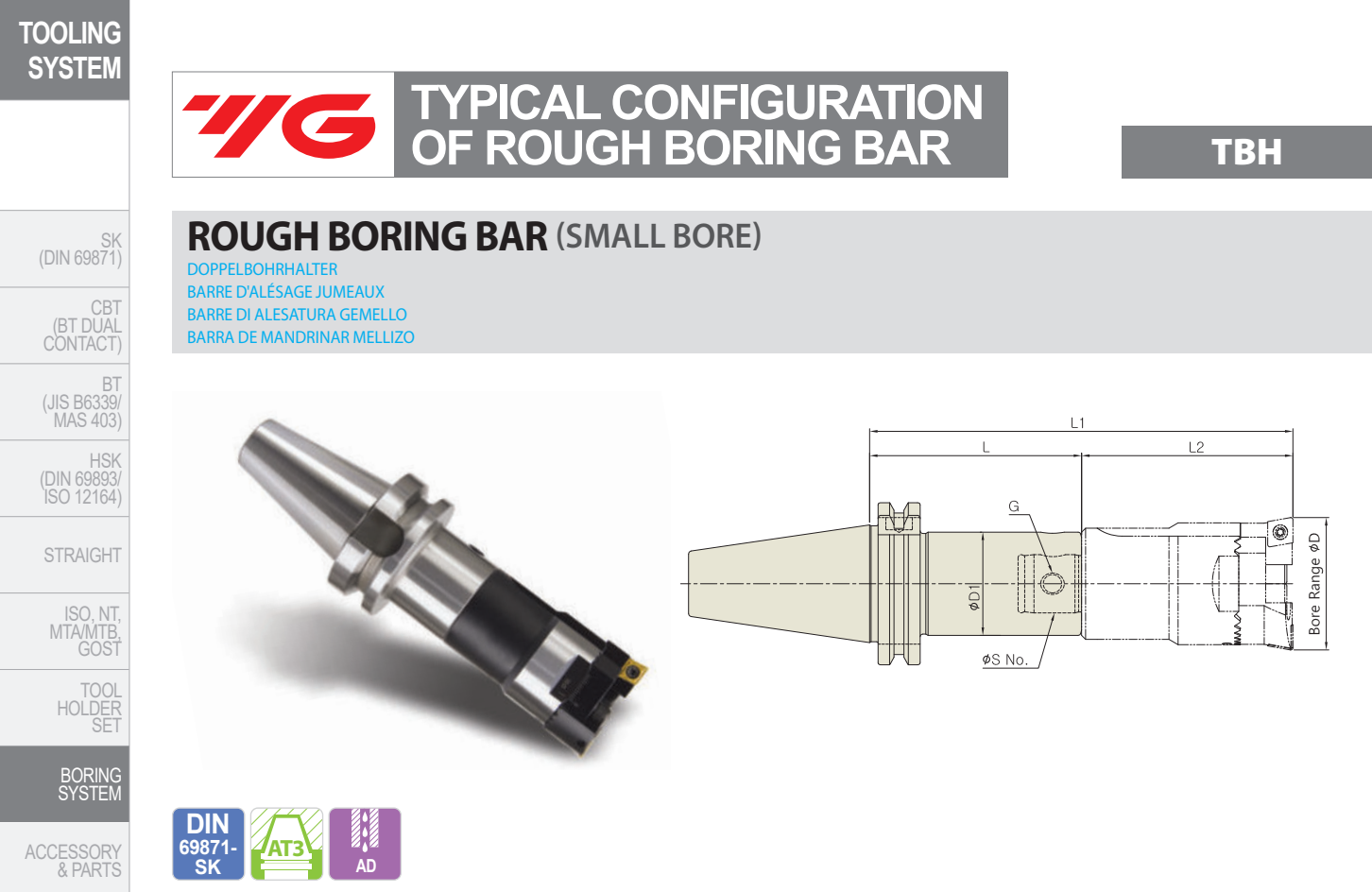
- ▶ The Basic Holder interchangeable between Fine Boring and Rough Boring bar.
- ▶ The Basic Holder, Boring Head & Insert Holder must be ordered separately.

HSK-A (DIN 69893/ISO 12164)

Unit : mm

TAPER No.	BASIC HOLDER	FINE BORING HEAD	INSERT HOLDER	BORE RANGE (ØD)	S No.	D1	L	L1	G	FIG.	WEIGHT (kg)
100A	HSK100A-S11-102.5	S11-FBH20-24	FBH20-1	Ø20 ~ Ø24	11	18.5	102.5	135	M5x0.8	1	-
	HSK100A-S14-114.5	S14-FBH24-31	FBH24-1	Ø23.9 ~ Ø31.1	14	23.5	114.5	149.5	M5x0.8	1	-
	HSK100A-S18-125	S18-FBH31-40	FBH31-1	Ø30.9 ~ Ø40.1	18	31	125	165	M8x1.0	1	-
	HSK100A-S22-118	S22-FBH40-51	FBH40-1	Ø39.9 ~ Ø51.1	22	39	118	165	M8x1.0	2	-
	HSK100A-S22-178	S22-FBH40-51	FBH40-1	Ø39.9 ~ Ø51.1	22	39	178	225	M8x1.0	2	-
	HSK100A-S28-108	S28-FBH51-67	FBH51-1	Ø50.9 ~ Ø67.1	28	50	108	165	M10x1.0	2	-
	HSK100A-S28-183	S28-FBH51-67	FBH51-1	Ø50.9 ~ Ø67.1	28	50	183	240	M10x1.0	2	-
	HSK100A-S28-228	S28-FBH51-67	FBH51-1	Ø50.9 ~ Ø67.1	28	50	228	285	M10x1.0	2	-
	HSK100A-S36-94	S36-FBH67-125	FBH6787-1	Ø66.9 ~ Ø87.1	36	64	94	165	M16x1.5	2	-
			FBH6787-2	Ø84.9 ~ Ø105.1							-
			FBH6787-3	Ø104.9 ~ Ø125.1							-
	HSK100A-S36-169	S36-FBH67-125	FBH6787-1	Ø66.9 ~ Ø87.1	36	64	169	240	M16x1.5	2	-
			FBH6787-2	Ø84.9 ~ Ø105.1							-
			FBH6787-3	Ø104.9 ~ Ø125.1							-
	HSK100A-S36-229	S36-FBH67-125	FBH6787-1	Ø66.9 ~ Ø87.1	36	64	229	300	M16x1.5	2	-
			FBH6787-2	Ø84.9 ~ Ø105.1							-
			FBH6787-3	Ø104.9 ~ Ø125.1							-
	HSK100A-S46-123	S46-FBH87-154	FBH6787-1	Ø86.9 ~ Ø116.1	46	90	123	210	M16x1.5	2	-
			FBH6787-2	Ø104.9 ~ Ø134.1							-
			FBH6787-3	Ø124.9 ~ Ø154.1							-
	HSK100A-S46-273	S46-FBH87-154	FBH6787-1	Ø86.9 ~ Ø116.1	46	90	273	360	M16x1.5	2	-
FBH6787-2			Ø104.9 ~ Ø134.1	-							
FBH6787-3			Ø124.9 ~ Ø154.1	-							

- ▶ This is for help selecting Fine Boring Head & Insert Holder.
- ▶ The Insert Holder Clamp Screw is supplied with Boring Head.
- ▶ The Insert Screw is supplied with Insert Holder.
- ▶ The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- ▶ The Basic Holder, Boring Head & Insert Holder must be ordered separately.
- ▶ The L, L1 dimensions in the table are the reference values when Boring Head and Insert Holder are mounted.

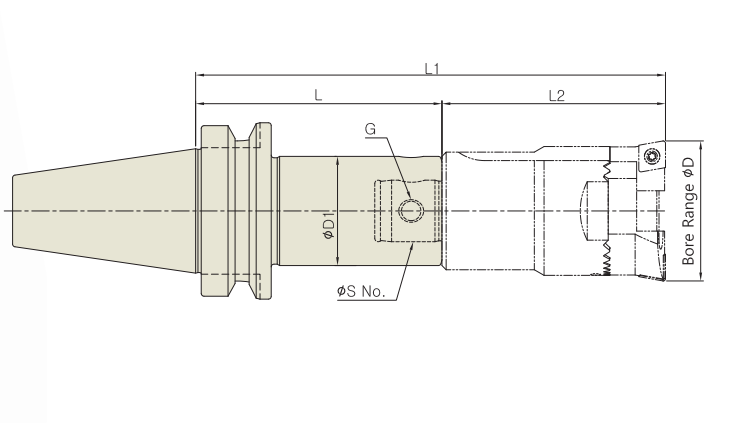


SK (DIN 69871)										Unit : mm
TAPER No.	BASIC HOLDER	ROUGH BORING HEAD	CARTRIDGE	BORE RANGE (ØD)	S No.	L1	L2	G	WEIGHT (Kg)	
40	SK40-S11-72	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	112	50	M5x0.8	-	
	SK40-S18-44	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	104	60	M8x1.0	-	
			TBH42-51N	Ø42 ~ Ø51					-	
	SK40-S18-94	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	154	60	M8x1.0	-	
			TBH42-51N	Ø42 ~ Ø51					-	
	SK40-S22-43	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	123	80	M8x1.0	-	
			TBH63-77N	Ø63 ~ Ø77					-	
	SK40-S22-88	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	168	80	M8x1.0	-	
			TBH63-77N	Ø63 ~ Ø77					-	
	SK40-S36-64	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	174	110	M16x1.5	-	
			TBH95-116N	Ø95 ~ Ø116					-	
	SK40-S46-90	S46-TBH115-156	TBH115-136N	Ø115 ~ Ø136	46	195	105	M16x1.5	-	
			TBH135-156N	Ø135 ~ Ø156					-	
50	SK50-S11-102	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	152	50	M5x0.8	-	
	SK50-S18-54	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	114	60	M8x1.0	-	
			TBH42-51N	Ø42 ~ Ø51					-	
	SK50-S18-124	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	184	60	M8x1.0	-	
			TBH42-51N	Ø42 ~ Ø51					-	
	SK50-S22-58	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	138	80	M8x1.0	-	
			TBH63-77N	Ø63 ~ Ø77					-	
	SK50-S22-178	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	258	80	M8x1.0	-	
			TBH63-77N	Ø63 ~ Ø77					-	
	SK50-S36-94	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	204	110	M16x1.5	-	
			TBH95-116N	Ø95 ~ Ø116					-	
	SK50-S46-93	S46-TBH115-156	TBH115-136N	Ø115 ~ Ø136	46	198	105	M16x1.5	-	
			TBH135-156N	Ø135 ~ Ø156					-	

- ▶ This is for help selecting Rough Boring Head & Cartridge.
- ▶ The Cartridge Clamp Screw is supplied with Boring Head.
- ▶ The Insert Screw is supplied with Cartridge.
- ▶ The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- ▶ The Basic Holder, Rough Boring Head & Cartridge must be ordered separately.
- ▶ The L1, L2 dimensions in the table are the reference values when Boring Head and Cartridge are mounted.

BT (JIS B6339/MAS 403)									Unit : mm
TAPER No.	BASIC HOLDER	ROUGH BORING HEAD	CARTRIDGE	BORE RANGE (ØD)	S No.	L1	L2	G	WEIGHT (Kg)
30	BT30-S11-72	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	122	50	M5x0.8	-
	BT30-S18-39	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	99	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	BT30-S18-79	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	139	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	BT30-S22-38	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	118	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	BT30-S22-73	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	153	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
40	BT40-S11-72	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	122	50	M5x0.8	-
	BT40-S18-44	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	104	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	BT40-S18-94	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	154	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	BT40-S22-47	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	127	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	BT40-S22-88	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	168	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	BT40-S36-64	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	174	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-
	BT40-S36-64	S36-TBH115-156	TBH115-136N	Ø115~136	36	169	110	M16x1.5	-
			TBH135-156N	Ø135~156					-

- ▶ This is for help selecting Rough Boring Head & Cartridge.
- ▶ The Cartridge Clamp Screw is supplied with Boring Head.
- ▶ The Insert Screw is supplied with Cartridge.
- ▶ The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- ▶ The Basic Holder, Rough Boring Head & Cartridge must be ordered separately.
- ▶ The L1, L2 dimensions in the table are the reference values when Boring Head and Cartridge are mounted.

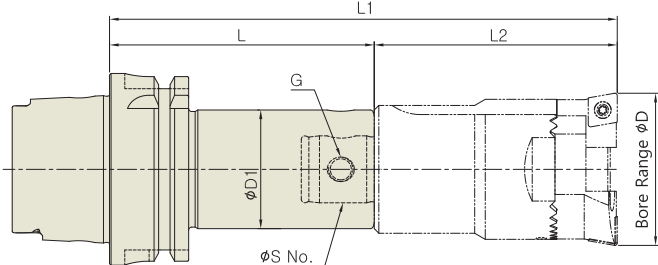
TOOLING SYSTEM	 TYPICAL CONFIGURATION OF ROUGH BORING BAR TBH
SK (DIN 69871)	ROUGH BORING BAR (SMALL BORE) DOPPELBOHRHALTER BARRE D'ALÉSAGE JUMEAUX BARRE DI ALESATURA GEMELLO BARRA DE MANDRINAR MELLIZO
CBT (BT DUAL CONTACT)	
BT (JIS B6339/ MAS 403)	
HSK (DIN 69893/ ISO 12164)	
STRAIGHT	 
ISO, NT, MTA/MTB, GOST	
TOOL HOLDER SET	
BORING SYSTEM	JIS B6339- BT  
ACCESSORY & PARTS	

BT (JIS B6339/MAS 403)

Unit : mm

TAPER No.	BASIC HOLDER	ROUGH BORING HEAD	CARTRIDGE	BORE RANGE (ØD)	S No.	L1	L2	G	WEIGHT (Kg)
50	BT50-S11-102	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	152	50	M5x0.8	-
	BT50-S18-54	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	114	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					
	BT50-S18-124	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	184	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					
	BT50-S22-58	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	138	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					
	BT50-S22-118	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	198	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					
	BT50-S22-178	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	258	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					
	BT50-S36-94	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	204	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					
	BT50-S36-169	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	179	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					
	BT50-S36-229	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	339	110	M16x1.5	-
TBH95-116N			Ø95 ~ Ø116						
BT50-S46-93	S46-TBH115-156	TBH115-136N	Ø115 ~ Ø136	46	198	105	M16x1.5	-	
		TBH135-156N	Ø135 ~ Ø156						

- ▶ This is for help selecting Rough Boring Head & Cartridge.
- ▶ The Cartridge Clamp Screw is supplied with Boring Head.
- ▶ The Insert Screw is supplied with Cartridge.
- ▶ The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- ▶ The Basic Holder, Rough Boring Head & Cartridge must be ordered separately.
- ▶ The L1, L2 dimensions in the table are the reference values when Boring Head and Cartridge are mounted.

	TYPICAL CONFIGURATION OF ROUGH BORING BAR	TOOLING SYSTEM
	ROUGH BORING BAR (SMALL BORE) DOPPELBOHRHALTER BARRE D'ALÉSAGE JUMEAUX BARRE DI ALESATURA GEMELLO BARRA DE MANDRINAR MELLIZO	TBH
		SK (DIN 69871) CBT (BT DUAL CONTACT) BT (JIS B6339/ MAS 403) HSK (DIN 69893/ ISO 12164) STRAIGHT ISO, NT, MTA/MTB, GOST TOOL HOLDER SET BORING SYSTEM ACCESSORY & PARTS
 		

HSK (DIN 69893/ISO 12164)

Unit : mm									
TAPER No.	BASIC HOLDER	ROUGH BORING HEAD	CARTRIDGE	BORE RANGE (ØD)	S No.	L1	L2	G	WEIGHT (kg)
40A	HSK40A-S11-72.5	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	122.5	50	M5x0.8	-
	HSK40A-S18-45	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	105	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	HSK40A-S18-80	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	140	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	HSK40A-S22-53	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	133	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	HSK40A-S22-73	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	153	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
50A	HSK50A-S11-72.5	S11-TBH25-34	FBH20-1	Ø20 ~ Ø24	11	122.5	50	M5x0.8	-
	HSK50A-S18-80	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	140	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	HSK50A-S22-73	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	153	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	HSK50A-S36-79	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	189	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-
63A	HSK63A-S11-77.5	S11-TBH25-34	TBH25-34	Ø25 ~ Ø34	11	127.5	50	M5x0.8	-
	HSK63A-S18-100	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	160	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	HSK63A-S22-93	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	173	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	HSK63A-S36-79	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	189	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-

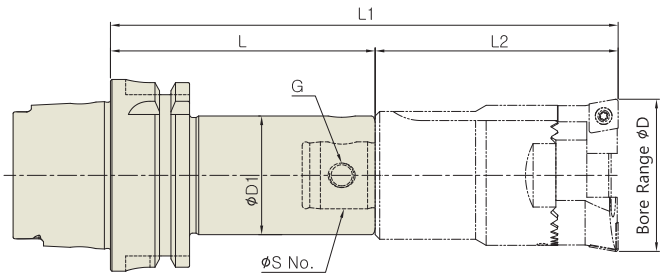
- ▶ This is for help selecting Rough Boring Head & Cartridge.
- ▶ The Cartridge Clamp Screw is supplied with Boring Head.
- ▶ The Insert Screw is supplied with Cartridge.
- ▶ The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- ▶ The Basic Holder, Rough Boring Head & Cartridge must be ordered separately.
- ▶ The L1, L2 dimensions in the table are the reference values when Boring Head and Cartridge are mounted.

YIG TYPICAL CONFIGURATION
OF ROUGH BORING BAR

TBH

ROUGH BORING BAR (SMALL BORE)

DOPPELBOHRHALTER
BARRE D'ALÉSAGE JUMEAUX
BARRE DI ALESATURA GEMELLO
BARRA DE MANDRINAR MELLIZO



HSK (DIN 69893/ISO 12164)

Unit : mm									
TAPER No.	BASIC HOLDER	ROUGH BORING HEAD	CARTRIDGE	BORE RANGE (ØD)	S No.	L1	L2	G	WEIGHT (Kg)
100A	HSK100A-S11-102.5	S11-FBH20-24	FBH20-1	Ø20 ~ Ø24	11	152.5	50	M5x0.8	-
	HSK100A-S18-125	S18-TBH34-51	TBH34-43N	Ø34 ~ Ø43	18	185	60	M8x1.0	-
			TBH42-51N	Ø42 ~ Ø51					-
	HSK100A-S22-118	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	198	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	HSK100A-S22-178	S22-TBH50-77	TBH50-64N	Ø50 ~ Ø64	22	258	80	M8x1.0	-
			TBH63-77N	Ø63 ~ Ø77					-
	HSK100A-S36-94	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	204	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-
	HSK100A-S36-169	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	279	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-
	HSK100A-S36-229	S36-TBH76-116	TBH76-97N	Ø76 ~ Ø97	36	339	110	M16x1.5	-
			TBH95-116N	Ø95 ~ Ø116					-
	HSK100A-S46-123	S46-TBH115-156	TBH115-136N	Ø115 ~ Ø136	46	228	105	M16x1.5	-
			TBH135-156N	Ø135 ~ Ø156					-
	HSK100A-S46-273	S46-TBH115-156	TBH115-136N	Ø115 ~ Ø136	46	378	105	M16x1.5	-
			TBH135-156N	Ø135 ~ Ø156					-

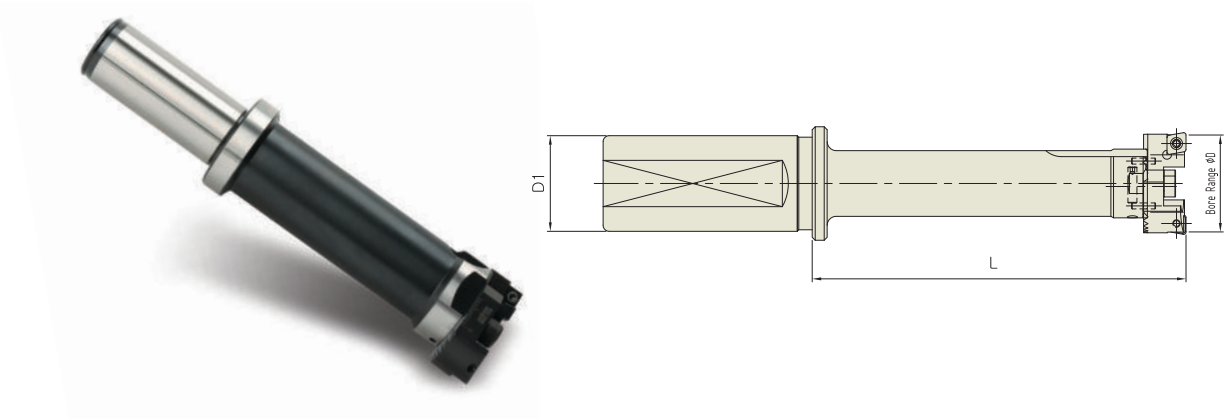
- This is for help selecting Rough Boring Head & Cartridge.
- The Cartridge Clamp Screw is supplied with Boring Head.
- The Insert Screw is supplied with Cartridge.
- The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- The Basic Holder, Rough Boring Head & Cartridge must be ordered separately.
- The L1, L2 dimensions in the table are the reference values when Boring Head and Cartridge are mounted.

YIG ROUGH BORING
BAR

TBH

ROUGH BORING BAR (SMALL BORE)

DOPPELBOHRHALTER
BARRE D'ALÉSAGE JUMEAUX
BARRE DI ALESATURA GEMELLO
BARRA DE MANDRINAR MELLIZO



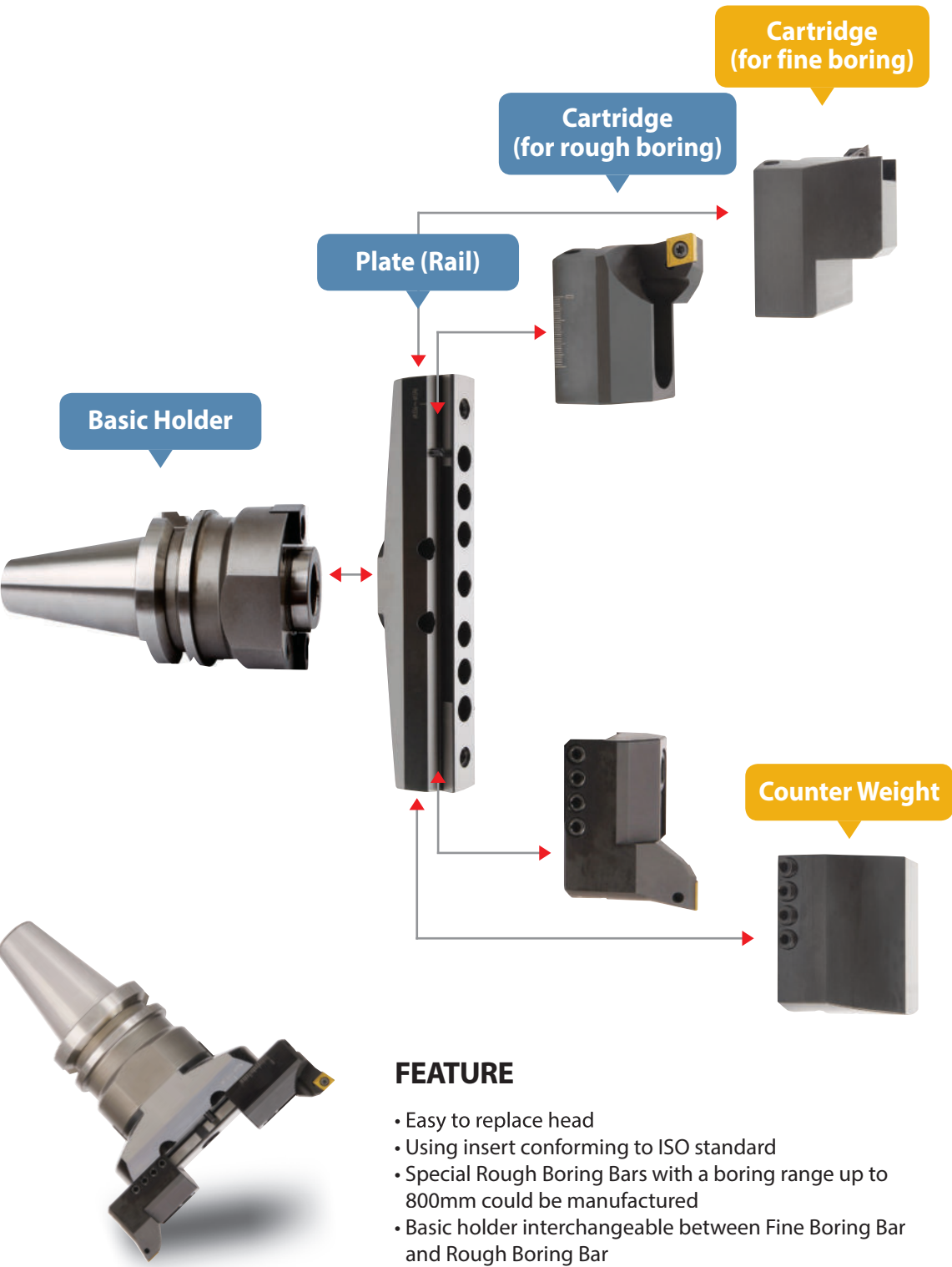
STRAIGHT-ST

Unit : mm

TAPER No.	MODEL No.	EDP No.	CARTRIDGE	BORE RANGE (ØD)	L	D1	WEIGHT (Kg)
32	ST32-TBH25-125	P2779559	TBH25-34	Ø25 ~ Ø34	125	32	-
	ST32-TBH34-130	P2779560	TBH34-43N	Ø34 ~ Ø43	130	32	-
			TBH42-51N	Ø42 ~ Ø51			-
	ST32-TBH50-155	P2779561	TBH50-64N	Ø50 ~ Ø64	155	32	-
			TBH63-77N	Ø63 ~ Ø77			-
40	ST40-TBH76-185	P2779562	TBH76-97N	Ø76 ~ Ø97	185	40	-
			TBH95-116N	Ø95 ~ Ø116			-
42	ST42-TBH76-185	P2779563	TBH76-97N	Ø76 ~ Ø97	185	42	-
			TBH95-116N	Ø96 ~ Ø116			-

- This is for help selecting Straight Rough Boring Head & Cartridge.
- The Cartridge Clamp Screw is supplied with Boring Head.
- The Insert Screw is supplied with Cartridge.
- The Torx Wrench should be ordered. Please contact us to purchase this wrench.
- The Straight Shank & Cartridge must be ordered separately.
- The Straight Shank & Rough Boring Head are combined.
- The dimensions L in the table are the reference values when cartridge are mounted.

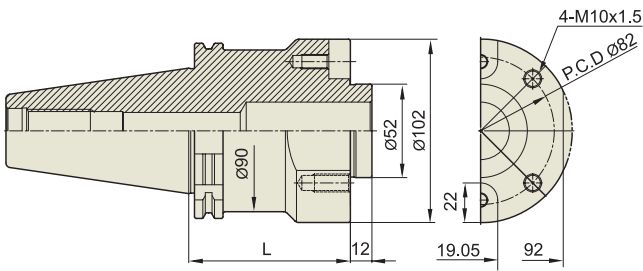
Boring Range : 153mm~576mm (FINE BORING BAR)
156mm~576mm (ROUGH BORING BAR)



FEATURE

- Easy to replace head
- Using insert conforming to ISO standard
- Special Rough Boring Bars with a boring range up to 800mm could be manufactured
- Basic holder interchangeable between Fine Boring Bar and Rough Boring Bar

FINE & ROUGH BORING BAR (BIG BORE)

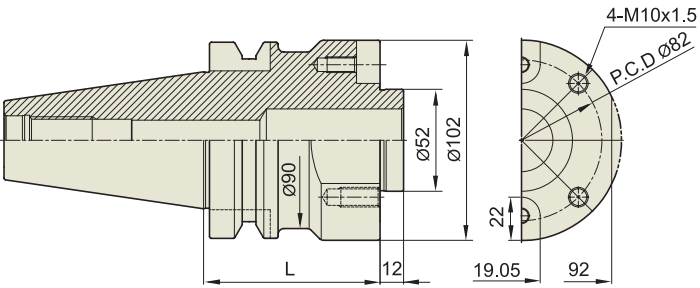


SK (DIN 69871)

Unit : mm

MODEL No.	L
SK50-SAS102-90	90
SK50-SAS102-140	140
SK50-SAS102-190	190

▶ Basic holder interchangeable between Fine Boring Bar and Rough Boring Bar.



BT (JIS B6339/MAS 403)

Unit : mm

MODEL No.	L
BT50-SAS102-90	90
BT50-SAS102-140	140
BT50-SAS102-190	190

▶ Basic holder interchangeable between Fine Boring Bar and Rough Boring Bar.

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

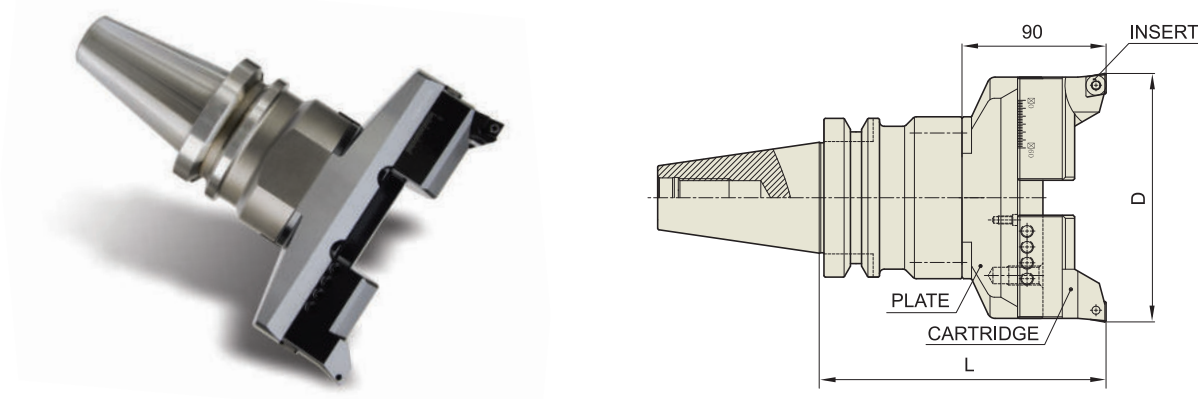
ACCESSORY
& PARTS

ROUGH BORING
BAR

TBH

ROUGH BORING BAR (BIG BORE)

DOPPELSCHNEIDER - BOHRSTANGE
BARRE D'ALÉSAGE À 2 ARÊTES DE COUPE
PORTA TESTINE BILAMA
BARRAS DE MANDRINAR DE DOS PLACAS



JIS
B6339-
BT

AT3

A

BT (JIS B6339/MAS 403)

MODEL No.	D (BORE RANGE)	L	BODY	PLATE	INSERT	WEIGHT (Kg)
	Min. - Max.					
BT50-TBH156-180	156 - 216	180	BT50-SAS102-90	PLA156	CCMT120400	-
BT50-TBH156-230	156 - 216	230	BT50-SAS102-140	PLA156	CCMT120400	-
BT50-TBH156-280	156 - 216	280	BT50-SAS102-190	PLA156	CCMT120400	-
BT50-TBH216-180	216 - 276	180	BT50-SAS102-90	PLA216	CCMT120400	-
BT50-TBH216-230	216 - 276	230	BT50-SAS102-140	PLA216	CCMT120400	-
BT50-TBH216-280	216 - 276	280	BT50-SAS102-190	PLA216	CCMT120400	-
BT50-TBH276-180	276 - 336	180	BT50-SAS102-90	PLA276	CCMT120400	-
BT50-TBH276-230	276 - 336	230	BT50-SAS102-140	PLA276	CCMT120400	-
BT50-TBH276-280	276 - 336	280	BT50-SAS102-190	PLA276	CCMT120400	-
BT50-TBH336-180	336 - 396	180	BT50-SAS102-90	PLA336	CCMT120400	-
BT50-TBH336-230	336 - 396	230	BT50-SAS102-140	PLA336	CCMT120400	-
BT50-TBH336-280	336 - 396	280	BT50-SAS102-190	PLA336	CCMT120400	-
BT50-TBH396-180	396 - 456	180	BT50-SAS102-90	PLA396	CCMT120400	-
BT50-TBH396-230	396 - 456	230	BT50-SAS102-140	PLA396	CCMT120400	-
BT50-TBH396-280	396 - 456	280	BT50-SAS102-190	PLA396	CCMT120400	-
BT50-TBH456-180	456 - 516	180	BT50-SAS102-90	PLA456	CCMT120400	-
BT50-TBH456-230	456 - 516	230	BT50-SAS102-140	PLA456	CCMT120400	-
BT50-TBH456-280	456 - 516	280	BT50-SAS102-190	PLA456	CCMT120400	-
BT50-TBH516-180	516 - 576	180	BT50-SAS102-90	PLA516	CCMT120400	-
BT50-TBH516-230	516 - 576	230	BT50-SAS102-140	PLA516	CCMT120400	-
BT50-TBH516-280	516 - 576	280	BT50-SAS102-190	PLA516	CCMT120400	-

► Upon request, special Rough Boring Bars with a boring range up to 800mm could be manufactured and supplied.

► Basic holder interchangeable between Fine Boring Bar and Rough Boring Bar.

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

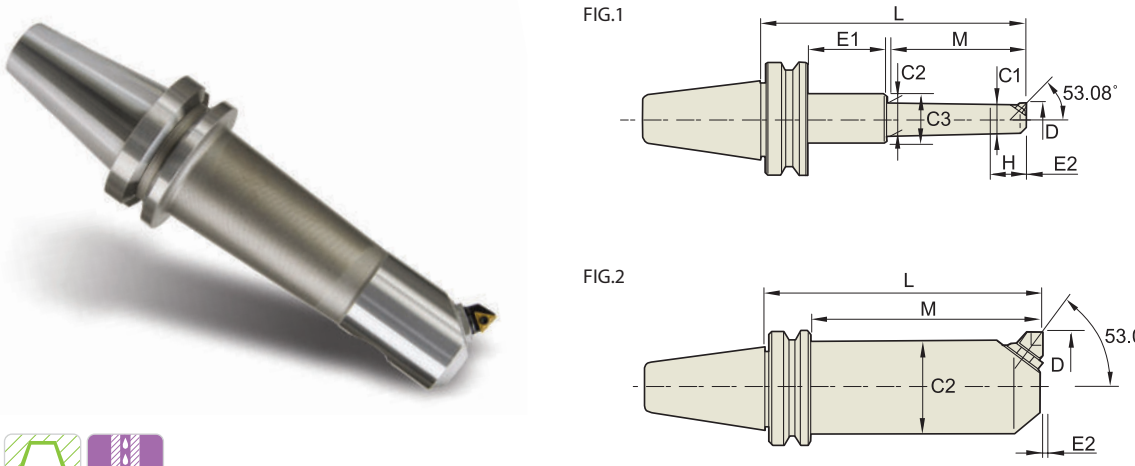
ACCESSORY
& PARTS

MICRO BORING
BAR

BCA

MICRO BORING BAR

MIKRO - BOHRSTANGE
BARRE D'ALÉSAGE MICRO
PORTA TESTINE MICROREGISTRABILI
BARRAS DE MANDRINAR MICRO



JIS
B6339-
BT

AT3

A

BT (JIS B6339/MAS 403)

TAPER No.	MODEL No.	D (BORE RANGE)	L	M	C1	C2	C3	H	E1	E2	UNIT	INSERT	FIG.	WEIGHT (Kg)
		Min. - Max.												
30	BT30-BCA13.5-105	13.5 - 16	105	68	12	13.0	44	15	5	0.2	M1B2E/F	BRAZED TYPE	1	-
	BT30-BCA14.5-105	14.5 - 17	105	68	13	14.0	44	15	5	0.2	M1B2E/F	BRAZED TYPE	1	-
	BT30-BCA16-105	16 - 22.5	105	73	14	15	-	18	-	0.2	M1A2E/F	BRAZED TYPE	3	-
	BT30-BCA19-120	19 - 23	120	85	16	18	44	23	3	0.2	M2B2CC	CCGT0401	1	0.70
	BT30-BCA23-135	23 - 29	135	105	19	22	-	24	-	0.2	M3B2TC	TBGT0601	3	0.70
	BT30-BCA29-150	29 - 41	150	115	25	28	44	30	8	0.2	M3A2TC	TBGT0601	1	0.90
	BT30-BCA29-195	29 - 41	195	115	25	28	44	30	53	0.2	M3A2TC	TBGT0601	1	-
	BT30-BCA38-150	38 - 49	150	115	33	35	55	41	8	0.2	M5B2TC	TCGT1102	1	1.40
	BT30-BCA38-210	38 - 49	210	175	33	37	55	41	8	0.2	M5B2TC	TCGT1102	1	-
	BT30-BCA46-150	46 - 66	150	115	38	41	55	45	8	0.2	M5A2TC	TCGT1102	1	2.10
	BT30-BCA46-210	46 - 66	210	175	38	45	55	45	8	0.2	M5A2TC	TCGT1102	1	-
	BT30-BCA62-165	62 - 87	165	135	51	-	-	-	-	0.2	M7A2TC	TCGT16T3	2	-
40	BT40-BCA13.5-105	13.5 - 16	105	68	12	13.0	44	15	5	0.2	M1B2E/F	BRAZED TYPE	1	-
	BT40-BCA14.5-105	14.5 - 17	105	68	13	14.0	44	15	5	0.2	M1B2E/F	BRAZED TYPE	1	-
	BT40-BCA16-105	16 - 22.5	105	73	14	15	-	18	-	0.2	M1A2E/F	BRAZED TYPE	3	-
	BT40-BCA19-120	19 - 23	120	85	16	18	44	23	3	0.2	M2B2CC	CCGT0401	1	1.50
	BT40-BCA23-135	23 - 29	135	105	19	22	-	24	-	0.2	M3B2TC	TBGT0601	3	1.50
	BT40-BCA29-150	29 - 41	150	115	25	28	44	30	8	0.2	M3A2TC	TBGT0601	1	1.50
	BT40-BCA29-195	29 - 41	195	115	25	28	44	30	53	0.2	M3A2TC	TBGT0601	1	2.00
	BT40-BCA38-150	38 - 49	150	115	33	35	55	41	8	0.2	M5B2TC	TCGT1102	1	1.80
	BT40-BCA38-210	38 - 49	210	175	33	37	55	41	8	0.2	M5B2TC	TCGT1102	1	2.20
	BT40-BCA46-150	46 - 66	150	115	38	41	55	45	8	0.2	M5A2TC	TCGT1102	1	2.10
	BT40-BCA46-210	46 - 66	210	175	38	45	55	45	8	0.2	M5A2TC	TCGT1102	1	2.30
	BT40-BCA62-165	62 - 87	165	135	51	-	-	-	-	0.2	M7A2TC	TCGT16T3	2	2.90
	BT40-BCA62-210	62 - 87	210	180	51	-	-	-	-	0.2	M7A2TC	TCGT16T3	2	3.60
	BT40-BCA83-150	83 - 108	150	120	63	-	-	-	-	0.2	M7A2TC	TCGT16T3	2	-
	BT40-BCA83-210	83 - 108	210	180	63	-	-	-	-	0.2	M7A2TC	TCGT16T3	2	-
	BT40-BCA98-150	98 - 142	150	120	83	-	-	85	-	0.2	M10A2TC	TCGT16T3	4	-

► NEXT PAGE

D278

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D279

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

ACCESSORY
& PARTS

Y/G

MICRO BORING
BAR

BCA

MICRO BORING BAR

MIKRO - BOHRSTANGE
BARRE D'ALÉSAGE MICRO
PORTA TESTINE MICROREGISTRABILI
BARRAS DE MANDRINAR MICRO



FIG.1

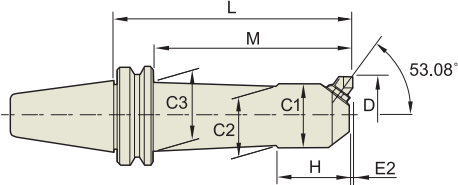
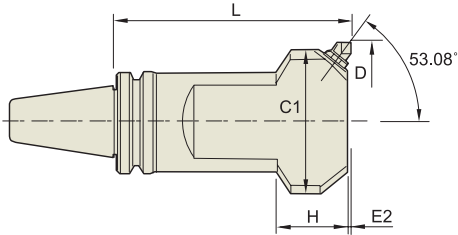


FIG.2



JIS
B6339-
BT

AT3

A

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

ACCESSORY
& PARTS

Y/G

MICRO BORING
BAR

BCA

MICRO BORING BAR

MIKRO - BOHRSTANGE
BARRE D'ALÉSAGE MICRO
PORTA TESTINE MICROREGISTRABILI
BARRAS DE MANDRINAR MICRO



FIG.1

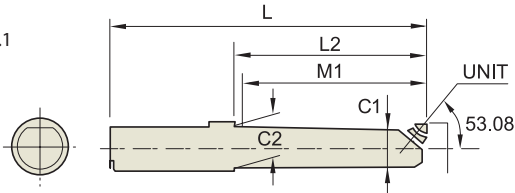
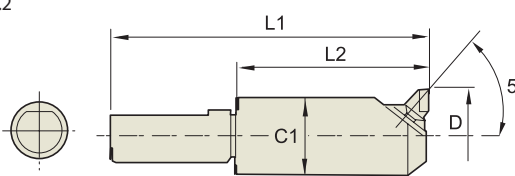


FIG.2



STRAIGHT-ST

TAPER No.	MODEL No.	D (BORE RANGE)	Unit : mm										FIG.	WEIGHT (Kg)
		Min. - Max.	L1	L2	M1	C1	C2	UNIT	INSERT	FIG.	WEIGHT (Kg)			
32	ST32-BCA13.5-75	13.5 - 16	135	75	67	12	13	M1B2E/F	-	1	0.50			
	ST32-BCA14.5-75	14.5 - 17	145	75	67	12	14	M1B2E/F	-	1	0.50			
	ST32-BCA16-90	16 - 22.5	160	90	82	14	15	M1A2E/F	-	1	0.50			
	ST32-BCA19-90	19 - 23.0	160	90	82	16	18	M2B-2CC	CCGT0401	1	0.50			
	ST32-BCA23-120	23 - 29.0	190	120	110	19	22	M3B-2TC	TCGT1102	1	1.00			
	ST32-BCA29-120	29 - 41.0	190	120	110	25	28	M3A-2TC	TCGT1102	1	1.00			
	ST32-BCA38-120	38 - 49.0	190	120	115	33	35	M5B-2TC	TCGT1102	1	1.50			
	ST32-BCA46-120	46 - 66	190	120	115	38	-	M5A-2TC	TCGT1102	2	1.50			
	ST32-BCA62-120	62 - 87.0	190	120	115	51	-	M7A-2TC	TCGT1102	2	2.50			
	ST42-BCA13.5-85	13.5 - 16	165	85	67	12	13	M1B2E/F	-	1	1.00			
42	ST42-BCA14.5-85	14.5 - 17	165	85	67	12	14	M1B2E/F	-	1	1.00			
	ST42-BCA16-100	16 - 22.5	180	100	82	14	15	M1A2E/F	-	1	1.00			
	ST42-BCA19-100	19 - 23.0	180	100	82	16	18	M2B2E/F	-	1	1.00			
	ST42-BCA23-120	23 - 29.0	200	120	110	19	22	M3B-2TC	-	1	1.50			
	ST42-BCA29-120	29 - 41.0	200	120	110	25	28	M3A-2TC	-	1	1.50			
	ST42-BCA38-130	38 - 49.0	210	130	125	33	35	M5B-2TC	-	1	1.50			
	ST42-BCA46-135	46 - 66.0	215	135	130	38	44	M5A-2TC	-	1	1.50			
	ST42-BCA62-135	62 - 87.0	215	135	130	51	-	M7A-2TC	-	2	2.50			
	ST42-BCA83-150	83 - 108	230	150	145	63	-	M7A-2TC	-	2	3.00			
	ST42-BCA132-210	132 - 176	210	-	108	-	-	65	-	0.2	M10A2TC	TCGT16T3	4	-
	ST42-BCA132-315	132 - 176	315	-	108	-	-	65	-	0.2	M10A2TC	TCGT16T3	4	-
	ST42-BCA166-225	166 - 210	225	-	142	-	-	70	-	0.2	M10A2TC	TCGT16T3	4	-
	ST42-BCA166-315	166 - 210	315	-	142	-	-	70	-	0.2	M10A2TC	TCGT16T3	4	-
	ST42-BCA200-210	200 - 244	210	-	176	-	-	75	-	0.2	M10A2TC	TCGT16T3	4	-

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Y/G

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Y/G

YG-1 CO., LTD.

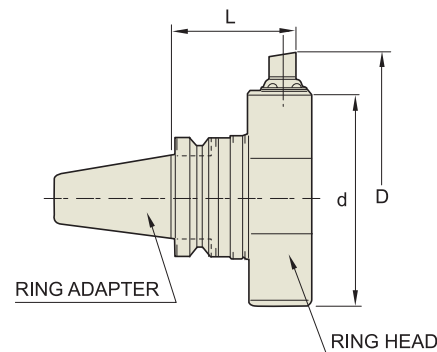
phone:+82-32-526-0909, www.yg1.solutions, E-mail:yg1@yg1.solutions

D281

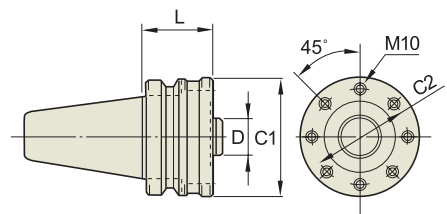
BIG SIZE MICRO CUT BORING BAR

BT (JIS B6339/MAS 403)

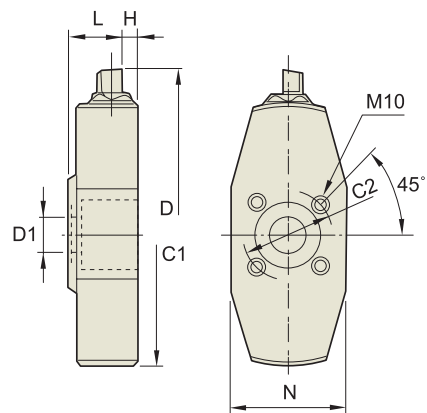
BORING RING HOLDER				Unit : mm
MODEL No.	d	D	L	
BT50-BRA140-105	140	197	105	
BT50-BRA140-165	140	197	165	
BT50-BRA191-105	191	248	105	
BT50-BRA191-165	191	248	165	
BT50-BRA242-105	242	299	105	
BT50-BRA242-165	242	299	165	
BT50-BRA293-105	293	350	105	
BT50-BRA293-165	293	350	165	
BT50-BRA344-105	344	401	105	
BT50-BRA344-165	344	401	165	
BT50-BRA395-105	395	452	105	
BT50-BRA395-165	395	452	165	



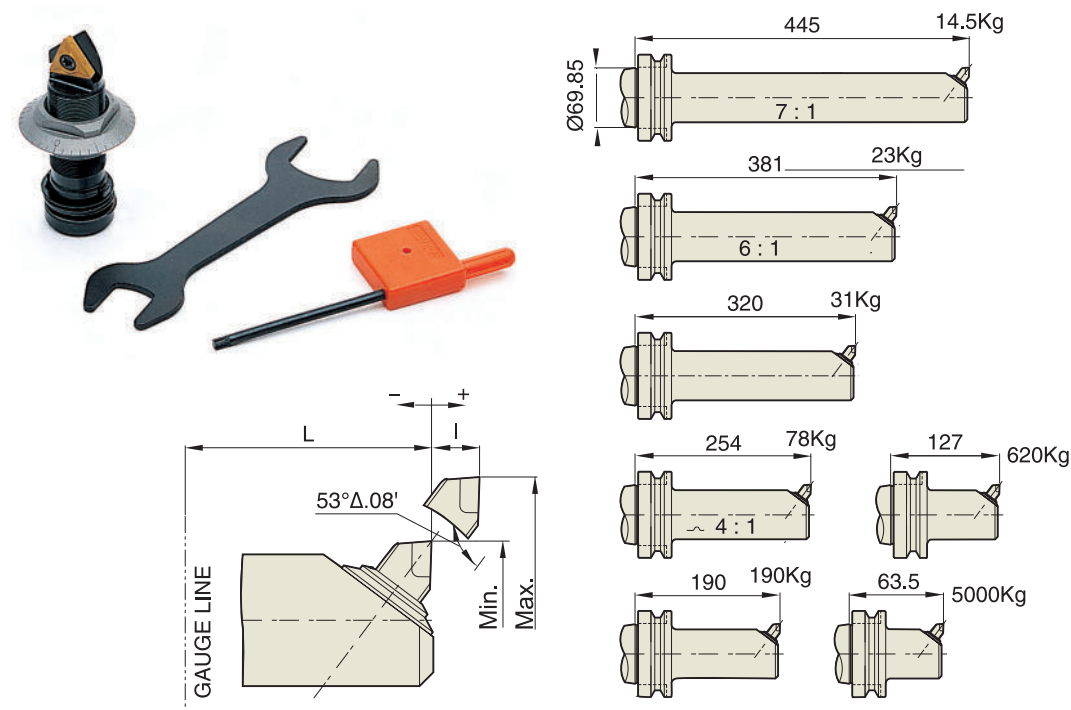
RING ADAPTOR					Unit : mm
MODEL No.	D (h6)	L	C1	C2	
BT50-RAA32-60	32	60	102	82	
BT50-RAA32-120	32	120	102	82	



RING HEAD									Unit : mm
MODEL No.	D1 (h7)	D (BORE RANGE)	L	C1	C2	H	N	UNIT	
		Min. - Max.							
RH32-BCA140	32	140 - 197	45	102	82	14	-	M10A2TC	
RH32-BCA191	32	191 - 248	45	136	82	14	-	M10A2TC	
RH32-BCA242	32	242 - 299	45	184	82	14	103	M10A2TC	
RH32-BCA293	32	293 - 350	45	234	82	14	103	M10A2TC	
RH32-BCA344	32	344 - 401	45	284	82	14	103	M10A2TC	
RH32-BCA395	32	395 - 452	45	36	82	14	103	M10A2TC	



STRENGTH OF BORING BAR AND
COMPARISON TABLE OF MICRO UNITS



BORING BAR MODEL No.	BRAZED TYPE B EF		SCREW ON TYPE			INSERT SPEC.
	Min.	Max.	Min.	Max.	ΔL	
BCA19	M2B2	M2B2	-	-	-	CCGT0401
	19	23	-	-	-1.9	CCGT0401
BCA23	M3B2	M3B2	M3B2TC	M3B2TC	M3B2TC	TBGT060102
	23	29	24.9	30.9	-1.9	TBGT060102
BCA29	M3A2	M3A2	M3A2TC	M3A2TC	M3A2TC	TBGT060102
	29	41.8	30.9	43.8	-1.9	TBGT060102
BCA38	M5B2	M5B2	M5B2TC	M5B2TC	M5B2TC	TCGT110204
	38	49.2	40.9	52.1	-1.9	TCGT110204
BCA46	M5A2	M5A2	M5A2TC	M5A2TC	M5A2TC	TCGT110204
	46	66.6	48.9	69.5	-1.9	TCGT110204
BCA62	M7A2	M7A2	M7A2TC	M7A2TC	M7A2TC	TCGT16T304
	62	87.4	62	87.4	0	TCGT16T304
BCA83	M7A2	M7A2	M7A2TC	M7A2TC	M7A2TC	TCGT16T304
	83	108.4	83	108.4	0	TCGT16T304
BCA98	M10A2	M10A2	M10A2TC	M10A2TC	M10A2TC	TCGT16T304
	98	142.4	98	142.4	0	TCGT16T304
BCA132	M10A2	M10A2	M10A2TC	M10A2TC	M10A2TC	TCGT16T304
	132	176.4	132	176.4	0	TCGT16T304
BCA166	M10A2	M10A2	M10A2TC	M10A2TC	M10A2TC	TCGT16T304
	166	210.4	166	210.4	0	TCGT16T304
BCA200	M10A2	M10A2	M10A2TC	M10A2TC	M10A2TC	TCGT16T304
	200	244.4	200	244.4	0	TCGT16T304

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

ACCESSORY
& PARTS

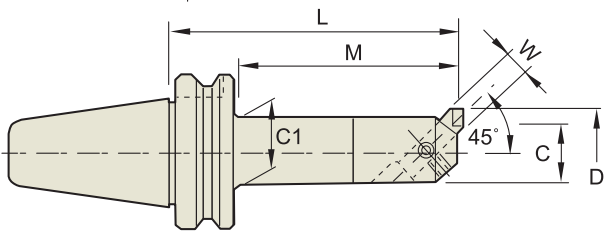


SQUARE BORING
BAR

BSA

SQUARE BORING BAR (45°)

VIERKANT - BOHRSTANGE
BARRE D'ALÉSAGE CARRÉ
BARRA PORTA TESTINE
BARRAS DE MANDRINAR CUADRADAS



JIS
B6339-
BT

AT3

A

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

ACCESSORY
& PARTS

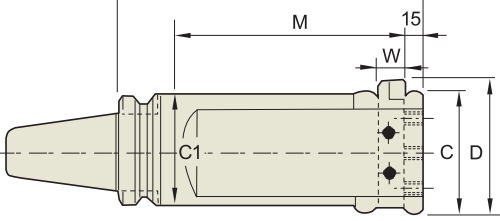


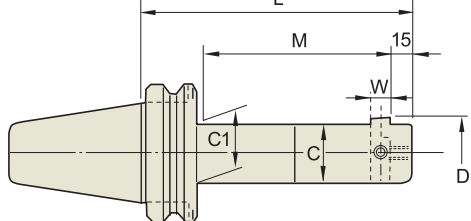
SQUARE BORING
BAR

BSB

SQUARE BORING BAR (90°)

VIERKANT - BOHRSTANGE
BARRE D'ALÉSAGE CARRÉ
BARRA PORTA TESTINE
BARRAS DE MANDRINAR CUADRADAS





JIS
B6339-
BT

AT3

A

BT (JIS B6339/MAS 403)

Unit : mm

TAPER No.	MODEL No.	D (BORE RANGE)	L	C	C1	W	M	WEIGHT (Kg)
		Min. - Max.						
30	BT30-BSA25-120	25 - 38	120	20	22	8	90	1.00
	BT30-BSA30-135	30 - 42	135	24	26	8	105	1.10
	BT30-BSA38-150	38 - 52	150	30	33	10	120	1.40
	BT30-BSA42-150	42 - 56	150	34	37	10	125	1.60
	BT30-BSA50-150	50 - 65	150	40	44	13	125	1.80
40	BT40-BSA25-135	25 - 38	135	20	22	8	108	1.30
	BT40-BSA30-165	30 - 42	165	24	26	8	138	1.50
	BT40-BSA38-180	38 - 52	180	30	33	10	153	1.80
	BT40-BSA42-210	42 - 56	210	34	37	10	183	2.30
	BT40-BSA50-180	50 - 65	180	40	44	13	153	2.40
	BT40-BSA50-225	50 - 65	225	40	44	13	198	2.90
	BT40-BSA62-180	62 - 90	180	50	54	16	153	3.20
	BT40-BSA62-240	62 - 90	240	50	54	16	213	4.20
	BT40-BSA72-180	72 - 110	180	60	63	19	153	4.40
	BT40-BSA72-240	72 - 110	240	60	63	19	213	5.70
	BT40-BSA90-180	90 - 125	180	75	63	19	153	5.40
	BT50-BSA25-135	25 - 38	135	20	22	8	95	4.40
	BT50-BSA30-165	30 - 42	165	24	26	8	125	4.60
50	BT50-BSA38-180	38 - 52	180	30	33	10	140	4.80
	BT50-BSA42-210	42 - 56	210	34	37	10	170	5.00
	BT50-BSA50-180	50 - 65	180	40	44	13	140	5.40
	BT50-BSA50-240	50 - 65	240	40	44	13	200	5.70
	BT50-BSA62-195	62 - 90	195	50	54	16	155	6.10
	BT50-BSA62-270	62 - 90	270	50	54	16	230	7.50
	BT50-BSA72-195	72 - 110	195	60	66	19	155	6.90
	BT50-BSA72-285	72 - 110	285	60	66	19	245	9.30
	BT50-BSA90-210	90 - 125	210	75	80	19	170	9.20
	BT50-BSA90-300	90 - 125	300	75	80	19	260	12.30
	BT50-BSA105-195	105 - 160	195	90	90	25	157	10.50
	BT50-BSA105-285	105 - 160	285	90	90	25	247	14.80

BT (JIS B6339/MAS 403)

Unit : mm

TAPER No.	MODEL No.	D (BORE RANGE)	L	C	C1	W	M	WEIGHT (Kg)	FIG.
		Min. - Max.							
30	BT30-BSB25-120	25 - 50	120	20	22	8	90	1.10	1
	BT30-BSB38-150	38 - 70	150	30	33	10	120	1.50	1
	BT30-BSB50-150	50 - 90	150	40	44	13	125	2.20	1
40	BT40-BSB25-135	25 - 50	135	20	22	8	108	1.30	1
	BT40-BSB38-180	38 - 70	180	30	33	10	153	1.90	1
	BT40-BSB50-180	50 - 90	180	40	44	13	153	2.60	1
	BT40-BSB50-225	50 - 90	225	40	44	13	198	3.10	1
	BT40-BSB62-180	62 - 115	180	50	56	16	153	3.40	1
	BT40-BSB62-225	62 - 115	225	50	56	16	198	4.10	1
	BT40-BSB72-180	72 - 135	180	60	66	19	153	4.70	1
	BT40-BSB72-225	72 - 135	225	60	66	19	198	5.60	1
	BT40-BSB90-180	90 - 150	180	75	80	19	153	5.70	1
	BT40-BSB90-225	90 - 150	225	75	80	19	198	6.60	1
	BT50-BSB25-135	25 - 50	135	20	22	8	95	4.10	1
50	BT50-BSB38-180	38 - 70	180	30	33	10	140	4.80	1
	BT50-BSB50-180	50 - 90	180	40	44	13	140	5.50	1
	BT50-BSB50-240	50 - 50	240	40	44	13	200	5.70	1
	BT50-BSB62-195	62 - 115	195	50	56	16	155	6.40	1
	BT50-BSB62-270	62 - 115	270	50	56	16	230	7.90	1
	BT50-BSB72-195	72 - 135	195	60	66	19	155	7.30	1
	BT50-BSB72-285	72 - 135	285	60	66	19	245	9.60	1
	BT50-BSB90-210	90 - 150	210	75	80	19	170	9.60	1
	BT50-BSB90-300	90 - 150	300	75	80	19	260	12.60	1
	BT50-BSB105-195	105 - 190	195	90	-	25	155	11.10	2
	BT50-BSB105-285	105 - 190	285	90	94	25	245	15.40	2

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D287

TOOLING
SYSTEM

SK
(DIN 69871)

CBT
(BT DUAL
CONTACT)

BT
(JIS B6339/
MAS 403)

HSK
(DIN 69893/
ISO 12164)

STRAIGHT

ISO, NT,
MTA/MTB,
GOST

TOOL
HOLDER
SET

BORING
SYSTEM

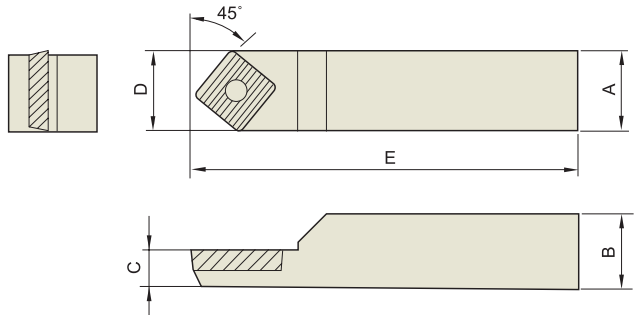
ACCESSORY
& PARTS



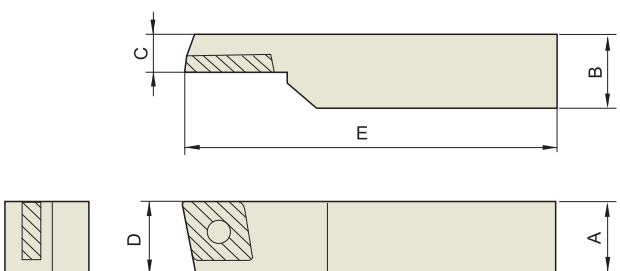
SQUARE BORING
BAR

PART

SQUARE BITE



SIZE	CLASSIFICATION							
	A	B	C	D	E	SCREW	WRENCH	INSERT
SBC08-45	8	8	6.3	8.39	70	SSB-2506	T7	CCMT0602
SBC10-45	10	10	7	10.39	70	SSB-2506	T7	CCMT0602
SBC13-45	13	13	10	13.6	80	SSB-4009	T15	CCMT09T3
SBC16-45	16	16	11	16.68	100	SSB-5012	T15	CCMT1204
SBC19-45	19	19	11	19.68	100	SSB-5012	T15	CCMT1204
SBC25-45	25	25	12.5	25.68	120	SSB-5012	T15	CCMT1204



SIZE	CLASSIFICATION							
	A	B	C	D	E	SCREW	WRENCH	INSERT
SBC10-90	10	10	7	10.4	70	SSB-2506	T7	CCMT0602
SBC13-90	13	13	10	13.6	80	SSB-4009	T15	CCMT09T3
SBC16-90	16	16	11	16.7	100	SSB-5012	T15	CCMT1204
SBC19-90	19	19	11	19.7	100	SSB-5012	T15	CCMT1204
SBC25-90	25	25	12.5	25.7	120	SSB-5012	T15	CCMT1204

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ACCESSORY
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COLLAR BOLT & DRIVE KEY FOR SMA

DRIVE KEY & MOUNTING BOLT FOR FMA

MILLING CHUCK COLLET & SPANNER

SK COLLET, NUT, SPANNER

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PULL STUD BOLT & SPANNER

TOOL CLAMP, HEIGHT PRESETTER

COOLANT TUBE & SPANNER FOR HSK

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