



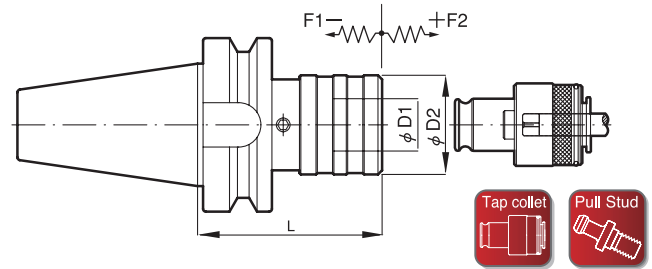
Quick Change Tap Holder

BT

Tension/Compression Tap Holders



- Complete interchangeability with Bilz tap holders and adapters.
- Quick Change on holders and adapters – all in less than a few seconds.
- Proven design for smooth stroke and positive drive – Even under full torque load, the tension compression stroke is full and free.



BT Taper Tension/Compression Tap Holders

Code No.	Tap range		Series	L	D1	D2	Float		Tap adapter
	Hand	Pipe					F1	F2	
BT30-TC1-062	M3-M12	1/8	#1	62	19	36	7.5	7.5	TC1
BT40-TC1-067	M3-M12	1/8	#1	67	19	36	7.5	7.5	TC1
BT40-TC1-100	M3-M12	1/8	#1	100	19	36	7.5	7.5	TC1
BT40-TC1-135	M3-M12	1/8	#1	135	19	36	7.5	7.5	TC1
BT40-TC2-094	M8-M20	1/4~1/2	#2	94	31	53	12.5	12.5	TC2
BT50-TC1-077	M3-M12	1/8	#1	77	19	36	7.5	7.5	TC1
BT50-TC1-100	M3-M12	1/8	#1	100	19	36	7.5	7.5	TC1
BT50-TC1-135	M3-M12	1/8	#1	135	19	36	7.5	7.5	TC1
BT50-TC1-165	M3-M12	1/8	#1	165	19	36	7.5	7.5	TC1
BT50-TC2-102	M8-M20	1/4~1/2	#2	102	31	53	12.5	12.5	TC2
BT50-TC3-163	M14-M33	1/2~1"	#3	163	48	78	20.0	20.0	TC3

For size 3 tap adapters on BT40 and BT50 spindle, we recommend a combination of end mill holder SL and S32-TC3 straight shank tap holder as a less costly option and for added mating flexibility.



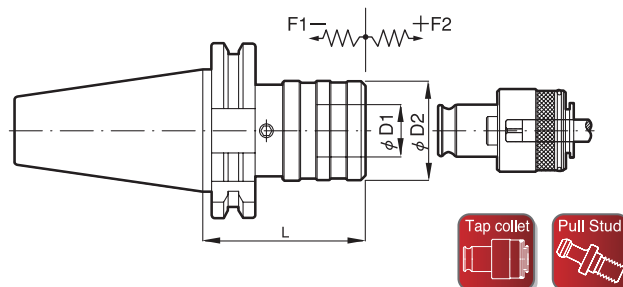
Quick Change Tap Holder

SK

Tension/Compression Tap Holders



- Complete interchangeability with Bilz tap holders and adapters.
- Quick Change on holders and adapters – all in less than a few seconds.
- Proven design for smooth stroke and positive drive – Even under full torque load, the tension compression stroke is full and free.



SK Taper Tension/Compression Tap Holders

Code No.	Tap range		Series	L	D1	D2	Float		Tap adapter
	Hand	Pipe					F1	F2	
SK40-TC1-059	M3-M12	1/8	#1	59	19	36	7.5	7.5	TC1
SK40-TC1-100	M3-M12	1/8	#1	100	19	36	7.5	7.5	TC1
SK40-TC2-097	M8-M20	1/4~1/2	#2	97	31	53	12.5	12.5	TC2
SK50-TC1-059	M3-M12	1/8	#1	59	19	36	7.5	7.5	TC1
SK50-TC1-100	M3-M12	1/8	#1	100	19	36	7.5	7.5	TC1
SK50-TC1-135	M3-M12	1/8	#1	135	19	36	7.5	7.5	TC1
SK50-TC2-097	M8-M20	1/4~1/2	#2	97	31	53	12.5	12.5	TC2
SK50-TC3-139	M14-M33	1/2~1"	#3	139	48	78	20.0	20.0	TC3

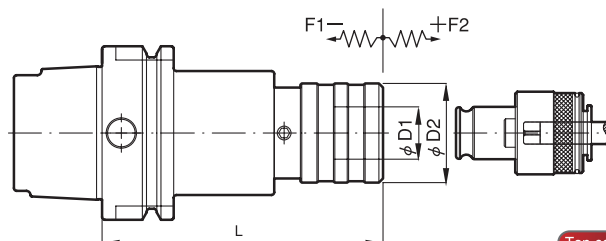
For size 3 tap adapters on SK40 and SK50 spindle, we recommend a combination of end mill holder SL and S32-TC3 straight shank tap holder as a less costly option and for added mating flexibility.



Quick Change Tap holder

HSK

- Complete interchangeability with Bilz tap holders and adapters.
- Quick Change on holders and adapters – all in less than a few seconds.
- Proven design for smooth stroke and positive drive – Even under full torque load, the tension compression stroke is full and free.



HSK Shank Tension/Compression Tap Holders

Code No.	Tap range		Series	L	D1	D2	Float		Tap adapter
	Hand	Pipe					F1	F2	
HSK 63A-TC1- 102	M3-M12	1/8	#1	102	19	36	7.5	7.5	TC1
HSK 63A-TC2- 137	M8-M20	1/4~1/2	#2	137	31	53	12.5	12.5	TC2
HSK100A-TC1-105	M3-M12	1/8	#1	105	19	36	7.5	7.5	TC1
HSK100A-TC2-140	M8-M20	1/4~1/2	#2	140	31	53	12.5	12.5	TC2



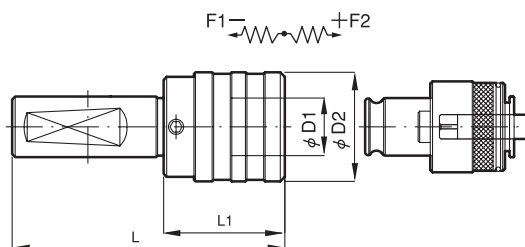
Quick Change Tap holder / Straight shank

Straight Shank Tension/Compression Tap Holders

- Less costly option than extended length integral shank tap holders
- Complete interchangeability with Bilz tap holders and adapters.
- Quick Change on adapters – Press in on the end of the adapter nose and the tool is released free in a second



Flat & whistle notch shown



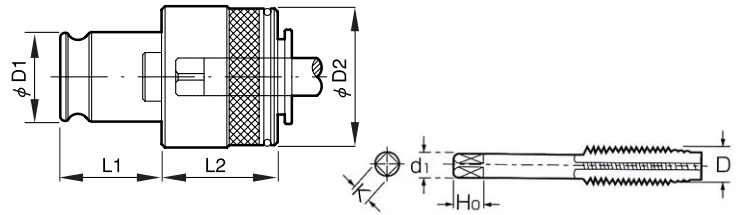
✚ Straight Shank Tension/Compression Tap Holders

Code No.	Tap range		Series	Shank Dia	L	L1	D1	D2	Float		Tap adapter
	Hand	Pipe							F1	F2	
S20-TC1-040	M3-M12	1/8	#1	20mm	90	40	19	36	7.5	7.5	TC1
S25-TC2-065	M8-M20	1/4~1/2	#2	25mm	121	65	31	53	12.5	12.5	TC2
S32-TC3-100	M14-M33	1/2~1"	#3	32mm	160	100	48	78	20.0	20.0	TC3



Tap Adapters with Overload clutch

TC



	Tapping Capacity	D1	D2	L1	L2
TC1	M03~M12	19.0	32.0	21.5	25.0
TC2	M08~M20	31.0	50.0	35.0	34.0
TC3	M14~M33	48.0	72.0	55.5	45.0

Tap (JIS standard)				shk dia	□dia	length	Tap Adapters		
D				d1	K	Ho	Series #1	Series #2	Series #3
M3	M3.5	No.5	No.6	4.0	3.2	6.0	TC1J-M03		
M4	M4.5	No.8		5.0	4.0	7.0	TC1J-M04		
M5		No.10	No.12	5.5	4.5	7.0	TC1J-M05		
M6		No.14	U1/4	6.0	4.5	7.0	TC1J-M06		
M8	M7			6.2	5.0	8.0	TC1J-M08	TC2J-M08	
M10	M9	U3/8		7.0	5.5	8.0	TC1J-M10	TC2J-M10	
M11		U7/16	P1/8	8.0	6.0	9.0	TC1J-M11	TC2J-M11	
M12				8.5	6.5	9.0	TC1J-M12	TC2J-M12	
M14	M15	U9/16		10.5	8.0	11.0		TC2J-M14	TC3J-M14
M16				12.5	10.0	13.0		TC2J-M16	TC3J-M16
M18		U3/4	P3/8	14.0	11.0	14.0		TC2J-M18	TC3J-M18
M20				15.0	12.0	15.0		TC2J-M20	TC3J-M20
M22		U7/8		17.0	13.0	16.0		TC2J-M22	TC3J-M22
M24	M25		P5/8	19.0	15.0	18.0		TC2J-M24	TC3J-M24
M27	M26	U1"		20.0	15.0	18.0			TC3J-M27
M30			P3/4	23.0	17.0	20.0			TC3J-M30
M33				25.0	19.0	22.0			TC3J-M33
M36	M38		P1.1/8	28.0	21.0	24.0			TC3J-M36

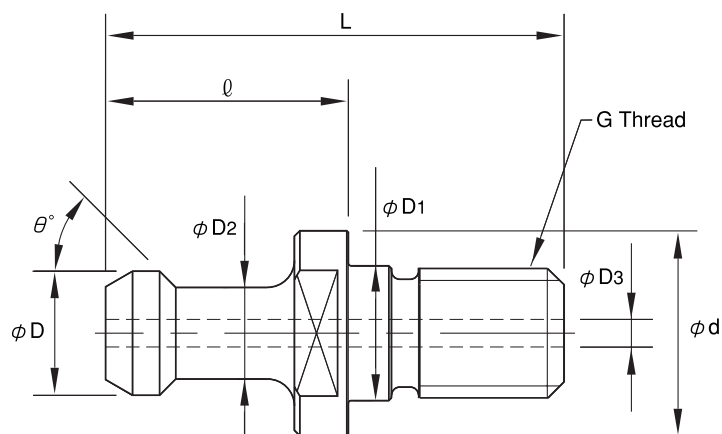
Tap (DIN standard)				shk dia	□dia	length	Tap Adapters		
D				d1	K	Ho	Series #1	Series #2	Series #3
M3(371)	M5(376)			3.5	2.7	6.0	TC1D-M03(371)		
M4(371)	M6(376)			4.5	3.4	6.0	TC1D-M04(371)		
M5(371)	M6(371)	M8(376)		6.0	4.9	8.0	TC1D-M05(371)	TC D-M08(376)	
M8(371)				8.0	6.2	9.0	TC1D-M08(371)	TC2D-M08(371)	
M10(371)				10.0	8.0	11.0	TC1D-M10(371)	TC2D-M10(3 1)	
M10(376)	P1/8			7.0	5.5	8.0	TC1D-M10(376)	TC2D-M10(376)	
M12(376)				9.0	7.0	10.0	TC1D-M12(376)	TC2D-M12(376)	
M14(376)	P1/4			11.0	9.0	12.0		TC2D-M14(376)	TC3D-M14(376)
M16(376)	P3/8			12.0	9.0	12.0		TC2D-M16(376)	TC3D-M16(376)
M18(376)				14.0	11.0	14.0		TC2D-M18(376)	TC3D-M18(376)
M20(376)	P1/2			16.0	12.0	15.0		TC2D-M20(376)	TC3D-M20(376)
M22(376)	M24(376)	P5/8		18.0	14.5	17.0		TC2D-M22(376)	TC3D-M22(376)
M27(376)	P3/4			20.0	16.0	19.0			TC3D-M27(376)
M30(376)	P7/8			22.0	18.0	21.0			TC3D-M30(376)
M33(376)	P1"			25.0	20.0	23.0			TC3D-M33(376)
M36(376)	P1.1/8			28.0	22.0	25.0			TC3D-M36(376)

Tap (ISO standard)				shk dia	□dia	length	Tap Adapters		
D				d1	K	Ho	Series #1	Series #2	Series #3
M3	No.4	No.5		3.15	2.5	5.0	TC1S-M03		
M4				4.0	3.15	6.0	TC1S-M04		
M5	No.10			5.0	4.0	7.0	TC1S-M05		
M6	U1/4			6.3	5.0	8.0	TC1S-M06		
M8	U5/16	P1/8		8.0	6.3	9.0	TC1S-M08	TC2S-M08	
M10	U3/8	P1/4		10.0	8.0	11.0	TC1S-M10	TC2S-M10	
M12	U1/2			9.0	7.1	10.0	TC1S-M12	TC2S-M12	
M14				11.2	9.0	12.0		TC2S-M14	TC3S-M14
M16	U5/8	P3/8		12.5	10.0	13.0		TC2S-M16	TC3S-M16
M18	M20	U3/4		14.0	11.2	14.0		TC2S-M18	TC3S-M18
M22	U7/8	P1/2		16.0	12.5	16.0		TC2S-M22	TC3S-M22
M24	U1"	P5/8		18.0	14.0	18.0		TC2S-M24	TC3S-M24
M27	M30	U1.1/8	P3/4	20.0	16.0	20.0			TC3S-M27
M33	U1.1/4	P7/8		22.4	18.0	22.0			TC3S-M33
M36	U1.3/8	P1"		25.0	20.0	24.0			TC3S-M36



Pull Studs

Anzugsbolzen
Tirant de Rappel
Codolo di Aggancio



Spindle	Order No.	ϕD	L	l	D2	D1	G	θ°	D3	Note
BT30	HPS-16	11	43	23	7	12.5	M12	45	-	MAS P30T-1
	HPS-16C	11	43	23	7	12.5	M12	45	2.5	HPS-16, Coolant
	HPS-17	11	43	23	7	12.5	M12	60	-	MAS P30T-2
	HPS-17C	11	43	23	7	12.5	M12	60	2.5	HPS-17, Coolant
BT40	HPS- 1	15	60	35	10	17	M16	45	-	MAS P40T-1
	HPS- 2	15	60	35	10	17	M16	60	-	MAS P40T-2
	HPS-806-1	19	54	29	14	17	M16	75	6	JIS B6339. Coolant
	HPS-G51	18.796	44.106	19.106	12.446	17	M16	45	7	Mazak type. Coolant
	HPS-O8	15	60	35	10	17	M16	90	-	90 degree angle type
	HPS-301	15	60	35	11	17	M16	60	-	
	HPS-302	19	54	26	14	17	M16	75	-	DIN69872 without coolant
	HPS-366E-1	19	54	29	14	17	M16	75	7	w/ P-9, S-15 O-ring
	HPS-805	19	54	29	14	17	M16	75	-	JIS B6339-89
	HPS-813-1	19	54	29	14	17	M16	75	6	JIS B6339-89
BT50	HPS- 5	23	85	45	17	25	M24	45	-	MAS P50T-1
	HPS- 6	23	85	45	17	25	M24	60	-	MAS P50T-2
	HPS-G41	28.956	65.2	25.2	20.828	25	M24	45	10	
SK30	HPS-122	13	44	24	9	13	M12	75	-	DIN69872 SK30 FORM A
SK40	HPS-302	19	54	26	14	17	M16	75	-	DIN69872 SK40 FORM A
	HPS-309	19	54	26	14	17	M16	75	7	DIN69872 SK40 FORM A Coolant
	HPS-309C	19	54	26	14	17	M16	75	7	DIN69872 SK40 FORM B
	HPS-A1	19	54	26	14	17	M16	75	7	ISO-7388/2-1984-A
	HPS-A4	18.95	44.5	16.4	12.95	17	M16	45	7.35	ISO-7388/2-1984-B
SK50	HPS-581	28	74	34	21	25	M24	75	-	DIN69872 SK50 FORM A
	HPS-512	28	74	34	21	25	M24	75	11.5	DIN69872 SK50 FORM A Coolant
	HPS-512B	28	74	34	21	25	M24	75	11.5	DIN69872 SK50 FORM B
	HPS-A3	28	74	34	21	25	M24	75	11.5	ISO-7388/2-1984-A
	HPS-A6	29.1	65.5	25.55	19.6	25	M24	45	11.55	ISO-7388/2-1984-B

*Other Pull Stud are available upon request.