SPV SPINTEC GROUP

Tapping Chucks

Combination possibilities

- **Long and slim**
- **Short and compact**

Weldon holders: Extra short as well as standard length

Slim Weldon extensions

For tapping chucks type SlimTapper and CGS

SPV SPINTEC GROUP also offers…

High speed spindles • Converters • De-burring machines • Balancing
ER chucks • Other tool holders

We reserve the right to change the design, data and dimensions without prior notice.

TAPPING TECHNOLOGY

Thread quality

Good thread quality means that the profile must be geometricly correct and that the surface finish must be good.

To obtain full thread profile it is important that the axial force that affects the tap is very small.

If the axial force exceeds a certain value the profile will be incomplete .

All SPV SPINTEC Tapping Attachments are designed to give Full Profile as the axial-floating tap driver spindles run on ball bearings.

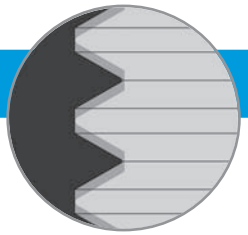


Fig. 1: Incomplete profile

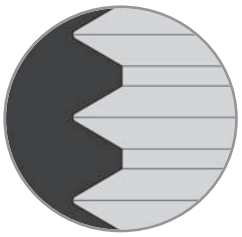


Fig. 2: Full profile

To obtain good thread finish it is necessary to use the correct tap as well as correct cutting speed. In most materials you receive a build up edge formation (BUE) in a certain cutting speed area which gives bad surface finish .

The tapping lapse should follow either over or under the sectioned area, see Fig. 3. The aim should be for a tapping cycle that follows graph A. If the tapping lapse follows graph B there is a risk that the thread finish will be bad.

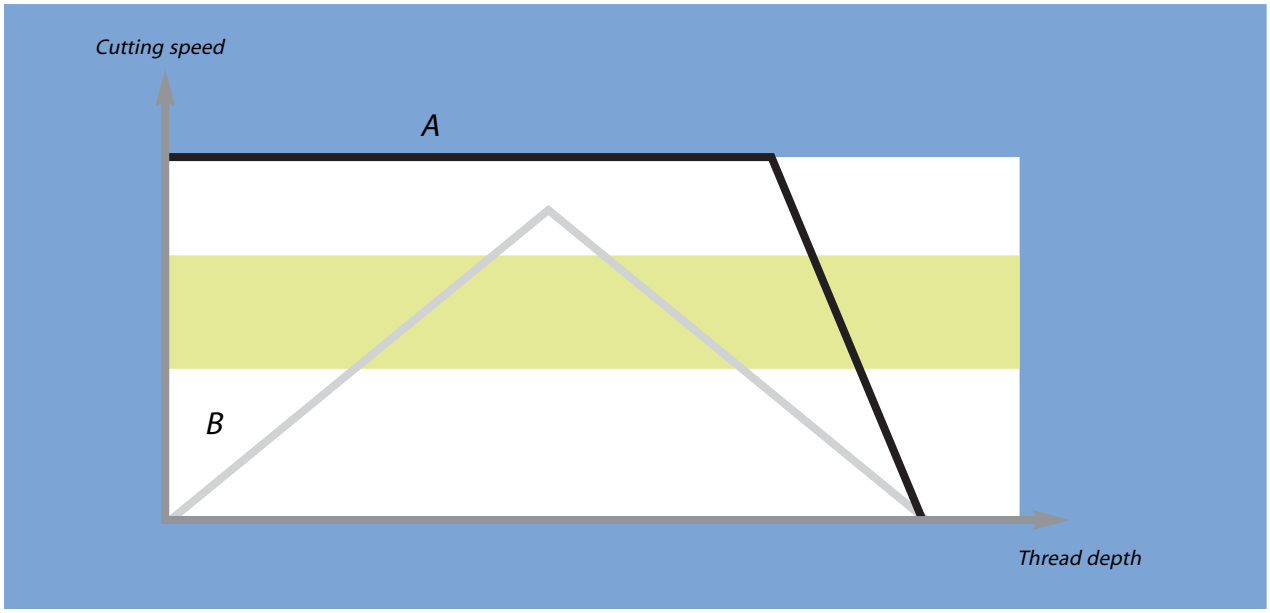


Fig. 3

Tapping cycles

When tapping in NC- controlled drilling- and milling machines you can use either syncronized tapping or conventional tapping.

SYNCHRONIZED TAPPING
Synchronized tapping means that the spindle rotation speed x pitch are synchronized to the Z-movement of the machine. The tapping cycle always starts with an inoperative spindle.

The advantage of synchronized tapping is accurate depth of the thread. The dis-advantage is that the tapping cycle is slow.

Fig. 4 shows that when trying to synchronize spindle - and Z-movement the retardation and acceleration will be limited, the tapping cycle will as a result of this be slow. The tapping process follows graph B, picture B at the risk of incomplete thread profile.

In case of new machines with very accurate synchronizing, rigid tapping is possible to use (the tap does not have any axial float).

Normally when using synchronized tapping the tap must have an axial float to avoid big axial forces which gives incomplete thread profiles.

CONVENTIONAL TAPPING CYCLE
Conventional tapping cycle means that the spindle rotation and Z-movement must be programmed separately. The tapping cycle starts with full spindle rotation.

The advantage is faster tappping cycle and that the tapping process can follow graph A, Fig. 3 which means that you receive a better thread finish. To obtain a full profile when tapping conventional, a tapping attachment with ball bearing drive and axial float must be used.

Picture 5 shows the tapping process at conventional tapping. As you can see from the picture the tapping process can follow graph A, Fig. 3 which means better thread finish.

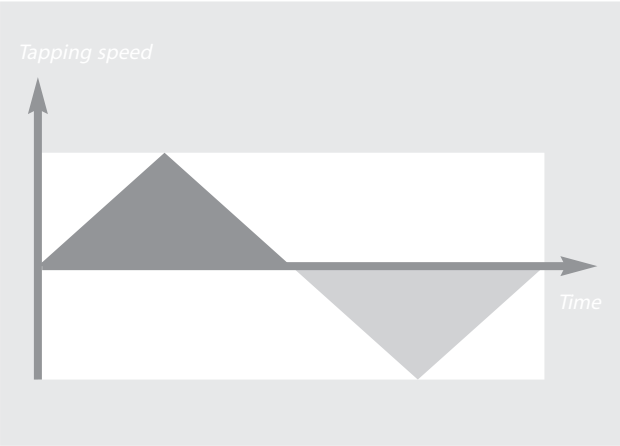


Fig. 4:

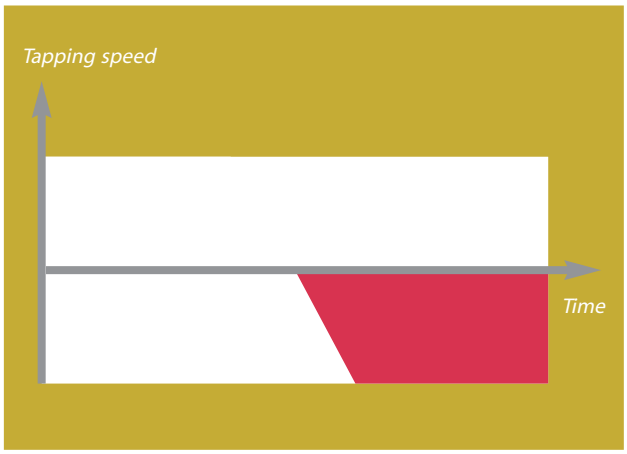
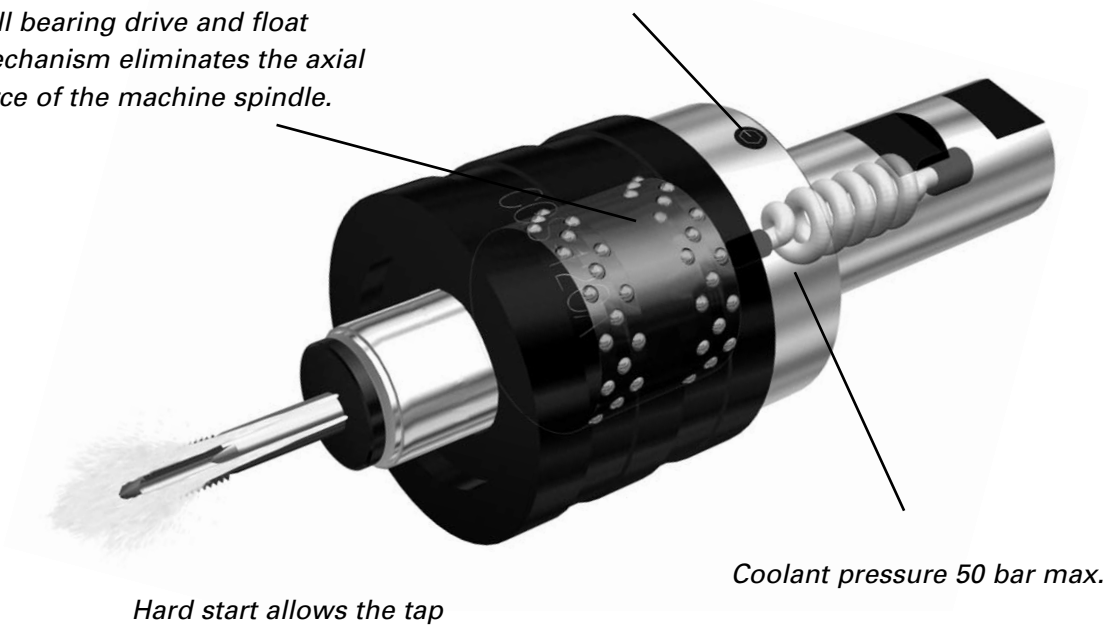


Fig. 5:

TAPPING CHUCK TYPE CGS / CGS-C

Infinitely adjustable thrust pressure.

Ball bearing drive and float mechanism eliminates the axial force of the machine spindle.



Coolant pressure 50 bar max.

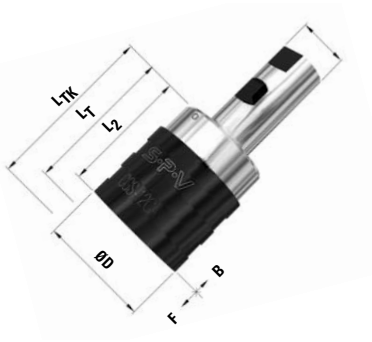
Hard start allows the tap to start cutting immediately

TYPE CGS / CGS-C with infinitely adjustable thrust pressure

Weldon shank CGS

Type	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L2 mm/*in*	LT mm/*in*	LTK mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-12 M3-M16 1/8″-5/8″	W-25	50 *1.970*	7 *.270*	10 *.390*	53 *2.090*	68 *2.680*	109 *4.290*	0,65 —	T-12/ TK-12	37622
CGS-24 M8-M30 5/16″-1 1/8″	W-25	75 *2.950*	12 *.470*	18 *.710*	112 *4.410*	131 *5.160*	182 *7.160*	2,6 —	T-24/ TK-24	37623
CGS-42 M8-M30 3/4″-1 5/8″	W-32	96 *3.780*	15 *.590*	20 *.790*	135 *5.310*	153 *6.020*	— —	2,0 —	T-42/	37624

B = Spring loaded backward float. F = Spring loaded forward float.



Weldon shank CGS-C - for coolant through

Type	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L2 mm/*in*	LT mm/*in*	LTK mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-12C M3-M16* 1/8″-5/8″	W-25	50 *1.970*	7 *.270*	10 *.390*	59 *2.090*	68 *2.680*	109 *4.290*	0,65 —	T-12/ T-12C	37590
CGS-24C M8-M30 5/16″-1 1/8″	W-25	75 *2.950*	12 *.470*	18 *.710*	112 *4.410*	131 *5.160*	182 *7.160*	2,6 —	T-24/ T-24C	37596
CGS-42C M8-M30 3/4″-1 5/8″	W-32	96 *3.780*	15 *.590*	20 *.790*	135 *5.310*	136 *5.350*	— —	5,0 —	T-42/ T-42C	37597

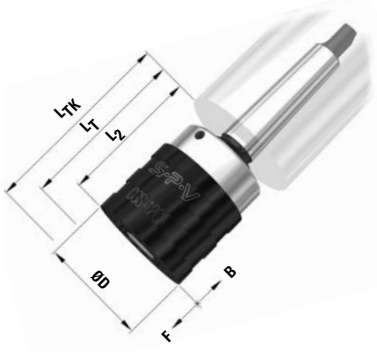
*B = Spring loaded backward float. F = Spring loaded forward float. * T-12C, range M5-M16*

HSK shank CGS-C - for coolant through

Type	Shank	ØD mm/*in*	B mm/*in*	F mm/*in*	L2 mm/*in*	LT mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-12C M3-M16* 1/8″-5/8″ 8-5/8″	HSK-A63 HSK-A100	50 *1.970* 50 *1.970*	5 *.200* 5 *.200*	10 *.390* 10 *.390*	105 *4.130* 110 *4.330*	120 *4.720* 125 *4.920*	— — — —	T-12/ T-12C	37660 37662
CGS-24C M8-M30 5/16″3/4″ 5/16″-1 1/8″	HSK-A63 HSK-A100	75 *2.950* 75 *2.950*	12 *.470* 12 *.470*	18 *.710* 18 *.710*	140 *5.510* 145 *5.710*	159 *6.260* 164 *6.460*	— — — —	T-24/ T-24C	37664 37666

*B = Spring loaded backward float. F = Spring loaded forward float. * T-12C, range M5-M16*

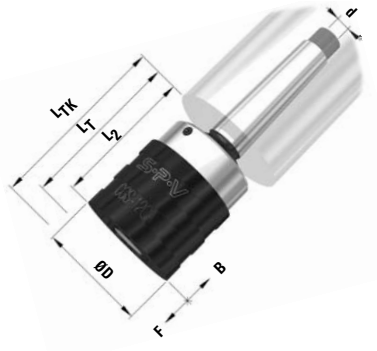
TYPE CGS / CGS-C without infinitely adjustable thrust pressure



Morsetaper shank CGS

Type	MK	ØD mm/*in*	B mm/*in*	F mm/*in*	L_2 mm/*in*	L_T mm/*in*	L_{TK} mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-8 M2-M8 #0-5/6″	1	40 *1.570*	5 *.200*	10 *.390*	48 *1.850*	60 *2.360*	95 *3.740*	0,35 *0.8*	T-8/ TK-8	26570
	2	40 *1.570*	5 *.200*	10 *.390*	50 *1.970*	62 *2.440*	97 *3.820*	0,4 *0.9*		26550
CGS-12 M3-M16 1/8″-5/8″	2	50 *1.970*	7 *.280*	10 *.390*	55 *2.170*	71 *2.800*	111 *4.370*	0,7 *1.5*	T-12/ TK-12	26296
	3	50 *1.970*	7 *.280*	10 *.390*	55 *2.170*	71 *2.800*	111 *4.370*	0,7 *1.5*		26298
CGS-24 M8-M30 5/16″-1 5/8″	3	75 *2.950*	12 *.470*	18 *.710*	94 *3.700*	113 *4.450*	164 *6.460*	2,0 *4.4*	T-24/ TK-24	26406
	4	75 *2.950*	12 *.470*	18 *.710*	94 *3.700*	113 *4.450*	164 *6.460*	2,0 *4.4*		26408
CGS-42 M18-M42 3/4″-1 5/8″	4	96 *3.780*	15 *.590*	20 *.790*	130 *5.120*	148 *5.830*	– –	4,8 *10.6*	T-42	36332

B = Spring loaded backward float. F = Spring loaded forward float.



Morsetaper shank CGS - with drawbar

Type	MK	ØD mm/*in*	B mm/*in*	F mm/*in*	L_2 mm/*in*	L_T mm/*in*	L_{TK} mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-8 M2-M8 #0-5/6″	2-M10	40 *1.570*	5 *.200*	10 *.390*	50 *1.970*	62 *2.440*	97 *3.820*	0,35 *0.8*	T-8/ TK-8	26973
CGS-12 M3-M16 1/8″-5/8″	2-M10	50 *1.970*	7 *.280*	10 *.390*	55 *2.170*	71 *2.800*	111 *4.370*	0,7 *1.5*	T-12/ TK-12	36135
	3-M12	50 *1.970*	7 *.280*	10 *.390*	55 *2.170*	71 *2.800*	111 *4.370*	0,7 *1.5*		26298
CGS-24 M8-M30 5/16″-1 5/8″	3-M12	75 *2.950*	12 *.470*	18 *.710*	94 *3.700*	113 *4.450*	164 *6.460*	2,0 *4.4*	T-24/ TK-24	26977

B = Spring loaded backward float. F = Spring loaded forward float.

Cylindrical shank CGS

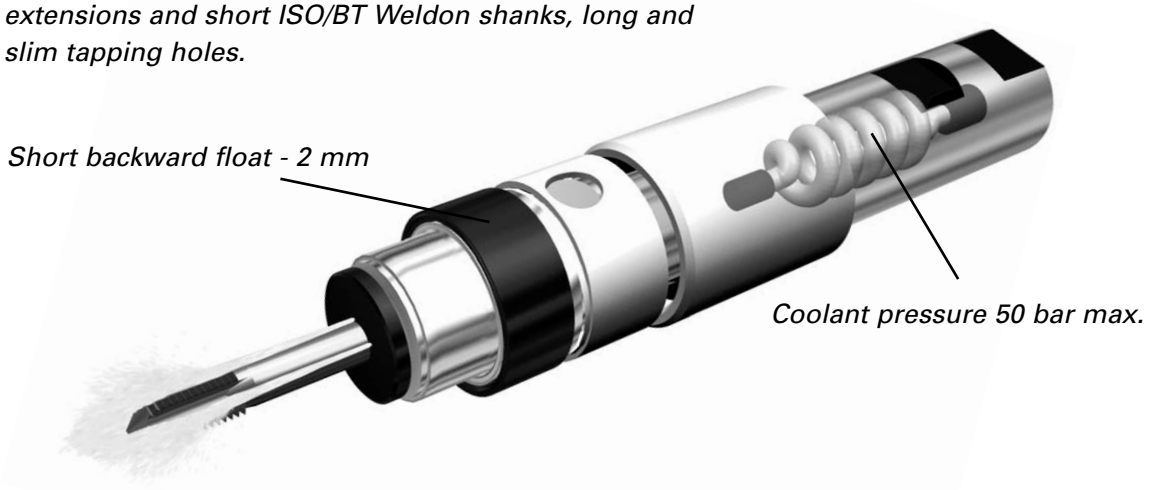
Type	$ØD_1 x L_1$ mm/*in*	ØD mm/*in*	B mm/*in*	F mm/*in*	L_2 mm/*in*	L_T mm/*in*	L_{TK} mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
CGS-8 M2-M8 #0-5/6″	15,88x42 *.625x1.650*	40 *1.570*	5 *.200*	10 *.390*	45 *1.770*	57 *2.240*	92 *3.620*	0,35 *0.8*	T-8/ TK-8	26981
CGS-12 M3-M16 #8-5/8″	25,4x100 *1.000x3.940*	50 *1.970*	7 *.280*	10 *.390*	50 *1.970*	66 *2.600*	106 *4.170*	0,9 *2.0*	T-12/ TK-12	26439
CGS-24 M8-M30 5/16″-1 1/8″	25,4x100 *1.000x3.940*	75 *2.950*	12 *.470*	18 *.710*	89 *3.500*	108 *4.250*	159 *6.260*	2,2 *4.8*	T-24/ TK-24	26443

B = Spring loaded backward float. F = Spring loaded forward float.

TAPPING CHUCK TYPE SlimTapper

For synchronized and conventional tapping

Slim design gives together with SPV SPINTEC Weldon extensions and short ISO/BT Weldon shanks, long and slim tapping holes.

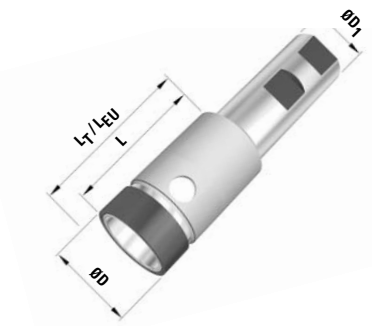


TYPE SlimTapper without floating for syncronized tapping

For SPV SPINTEC tap adaptors for coolant through

Type	ØD$_1$ [Shank]	ØD mm/*in*	L mm/*in*	L$_T$ mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No..
ST-16 CT M3-M16 1/8"-5/8"	W-25	32 *1.260*	30 *1.180*	45 *1.770*	0,3 —	T-12/ T-12C*	37716
ST-16 CLT M3-M16 1/8"-5/8"	W-25	32 *1.260*	80 *3.150*	95 *3.740*	0,55 —	T-12/ T-12C	37721

** T-12C range M5-M16*

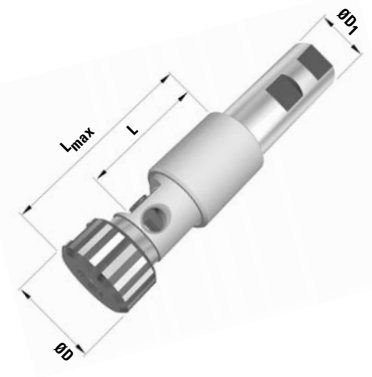


For EU tap adaptors for coolant through

Type	ØD$_1$ [Shank]	ØD mm/*in*	L mm/*in*	L$_T$ mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No..
ST-12 CEU M3-M12 1/8"-1/2"	W-25	30 *1.180*	35 *1.380*	42 *1.650*	0,3 —	EU-1	35804
ST-12 CLEU M3-M12 1/8"-1/2"	W-25	30 *1.180*	85 *3.350*	92 *3.620*	0,55 —	EU-1	35805
ST-20 CEU M8-M20 5/16"-3/4"	W-25	50 *1.970*	52 *2.050*	63 *2.480*	0,65 —	EU-2	35806
ST-20 CLEU M8-M20 5/16"-3/4"	W-25	50 *1.970*	102 *4.020*	113 *4.450*	— —	EU-2	35814

TYPE SlimTapper with short axial float -2 to +10 mm

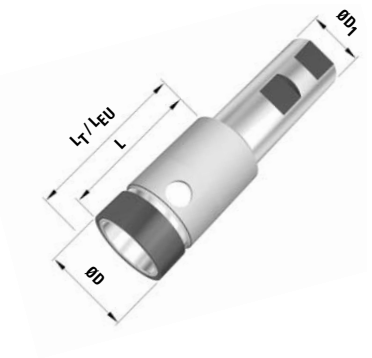
Suitable for all, inclusive syncronized, tapping



For Rubberflex collets

Type	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	Lmax mm/*in*	L mm/*in*	Weight kg/*lb*	Collet	Art.No.
STF-12 J M3-M12 1/8"-1/2"	W-25	32 *1.260*	2 *.078*	10 *.393*	86 *3.390*	51 *2.010*	0,55 —	J420-23	37709
STF-16 J M6-M16 1/4"-5/8"	W-25	40 *1.570*	2 *.078*	10 *.393*	90 *3.540*	51 *2.010*	— —	J440-43	37710
STF-33 J* M10-M33 5/16"-1 1/4"	W-32	56 *2.200*	4 *.157*	15 *.590*	144 *5.670*	89 *3.500*	1,8 —	J461-62	37711

** STF-33 J has float -4 to +15 mm*

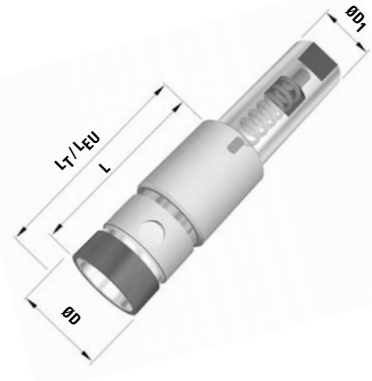


For SPV SPINTEC tap adaptors

Type	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L mm/*in*	LT mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
STF-16 T M3-M16 1/8"-5/8"	W-25	32 *1.260*	2 *.078*	10 *.393*	70 *2.760*	85 *3.350*	0,4 —	T-12	37717
STF-30 T M8-M33 5/16"-1 1/4"	W-32	50 *1.970*	4 *.157*	15 *.590*	130 *5.120*	149 *5.870*	1,55 —	T-24	37740

For EU tap adaptors

Typ	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L mm/*in*	LEU mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
STF-12 EU M3-M12 1/8"-1/2"	W-25	30 *1.180*	2 *.078*	10 *.393*	73 *2.870*	80 *3.150*	0,4 —	EU-1	35807
STF-20 EU M8-M20 5/16"-3/4"	W-25	50 *1.970*	2 *.078*	10 *.393*	90 *3.540*	101 *3.980*	0,75 —	EU-2	35808



For SPV SPINTEC tap adaptors for coolant through

Typ	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L mm/*in*	LT mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No..
STF-16 CT M3-M16 1/8"-5/8"	W-25	32 *1.260*	2 *.078*	10 *.393*	74 *2.910*	89 *3.500*	0,4 —	T-12/ T-12C**	37718
STF-30 CT M8-M33 5/16"-1 1/4"	W-32	50 *1.970*	4 *.157*	15 *.590*	130 *5.120*	149 *5.870*	1,55 —	T-24 T-24C	37741

For EU tap adaptors for coolant through

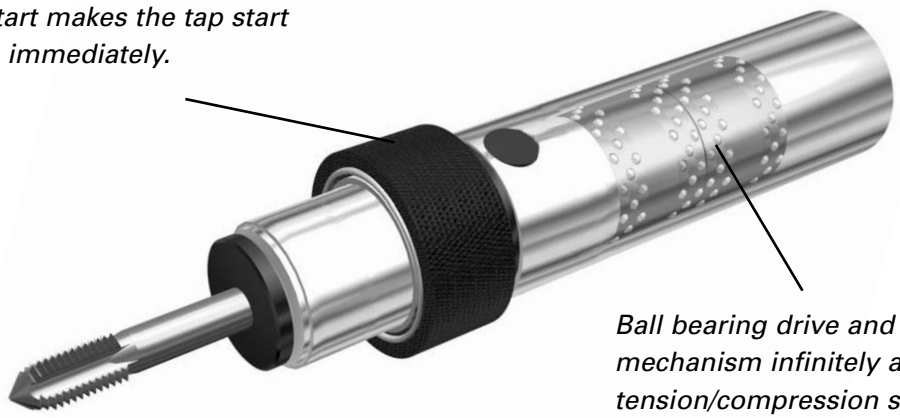
Type	ØD1 [Shank]	ØD mm/*in*	B mm/*in*	F mm/*in*	L mm/*in*	LEU mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
STF-12 CEU M3-M12 1/8"-1/2"	W-25	32 *1.260*	2 *.078*	10 *.393*	73 *2.870*	80 *3.150*	0,4 —	EU-1	35809
STF-20 CEU M8-M20 5/16"-3/4"	W-25	50 *1.970*	2 *.078*	10 *.393*	90 *3.540*	101 *3.980*	0,75 —	EU-2	35810

** T-12C range M5-M16*

B = Spring loaded backward float.
F = Spring loaded forward float.

TAPPING SPINDLES TYPE GS-E

Hard start makes the tap start cutting immediately.



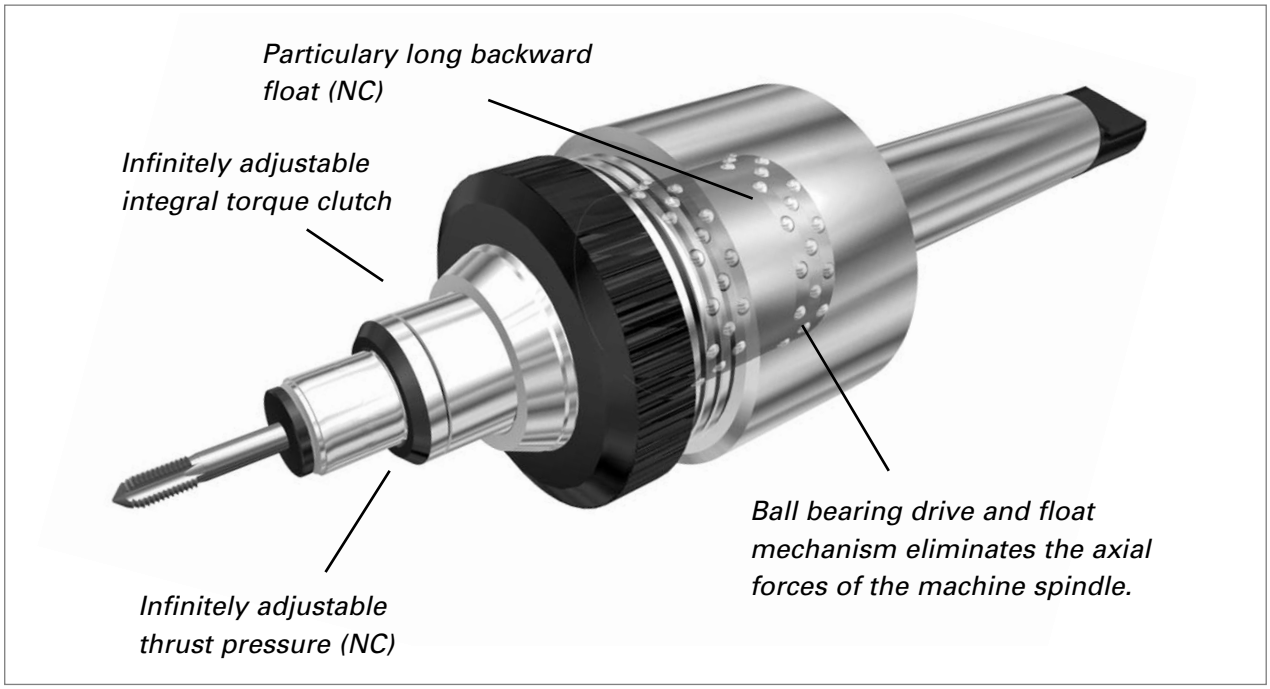
Ball bearing drive and float mechanism infinitely adjustable tension/compression setting.

With internal taper

Type	Taper 1)	ØD mm/*in*	B mm/*in*	F mm/*in*	Lmin mm/*in*	Lmax mm/*in*	$L_T$min mm/*in*	$L_T$max mm/*in*	L_{TK}min mm/*in*	L_{TK}max mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
GS-8E M2-M8 #0-5/16"	B12	23	0-25	25-0	100	125	112	137	147	172	0,25	T-8	36470
GS-12E M4-M16 #8-5/8"	B16	30	0-25	25-0	108	133	123	148	164	189	0,41	T-12	36478
GS-24E M8-M30 5/16"-1 1/8"	B18	50	0-40	40-0	147	187	166	206	217	257	1,5	T-24	36487

B = Spring loaded backward float. F = Spring loaded forward float. 1) Arbors: See accessories page 23

TAPPING ATTACHMENT TYPE SA



TYPE SA for conventional machines

Morsetaper shank

Type	MK	ØD mm/*in*	B mm/*in*	F mm/*in*	L_1 mm/*in*	L_T mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
SA-1E	2	70	9	18	119	136	1,9	T-12	22209
M6-M16		*2.760*	*.350*	*.710*	*4.650*	*5.310*	*4.2*		
1/4"-5/8"	3	70	9	18	118	135	2,1		22210
		2.760	*.350*	*.710*	*4.650*	*5.310*	*4.6*		
SA-2E	3	104	12	20	178	197	6,1	T-24	22428
M14-M30		*4.090*	*.470*	*.790*	*7.010*	*7.760*	*13.4*		
9/16"-1 1/8"	4	104	12	20	176,5	195,5	6,2		22263
		2.760	*.350*	*.710*	*6.950*	*7.700*	*13.6*		

B = Spring loaded backward float. F = Spring loaded forward float.

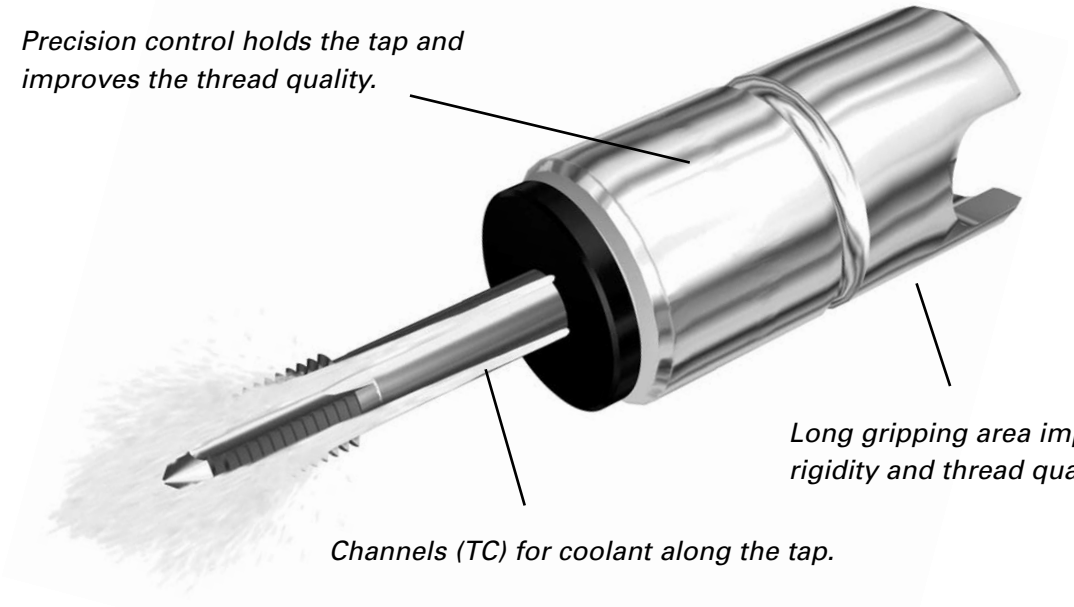
TYPE SA/NC for NC/CNC machines

Morsetaper shank

Type	MK	ØD mm/*in*	B mm/*in*	F mm/*in*	L_1 mm/*in*	L_T mm/*in*	Weight kg/*lb*	Tap adaptor	Art.No.
SA-1E/NC	2	70	18	9	128	144	1,9	T-12	28437
M6-M16		*2.760*	*.710*	*.350*	*5.040*	*5.670*	*4.2*		
1/4"-5/8"	3	70	18	9	127	143	2,1		28351
		2.760	*.710*	*.350*	*5.000*	*5.630*	*4.6*		
SA-2E	3	104	20	12	186	205	6,1	T-24	28439
M14-M30		*4.090*	*.790*	*.470*	*7.320*	*8.070*	*13.4*		
9/16"-1 1/8"	4	104	20	12	184,5	203,5	6,2		28352
		4.090	*.790*	*.470*	*7.260*	*8.010*	*13.6*		

B = Spring loaded backward float. F = Spring loaded forward float.

TAP ADAPTORS



Type T, TC

Type TK

Type EU

Type EUK

Tap adaptor guide

Tapping chuck	Tap adaptor	Tapping chuck	Tap adaptor	Tapping chuck	Tap adaptor	Tapping chuck	Tap adaptor
CGS-8	T-8, TK-8	GS-8 E	T-8, TK-8	SA-1 E	T-12	ST-16 CT	T-12 C, T-12
CGS-12	T-12, TK-12	GS-12 E	T-12, TK-12	SA-2 E	T-24	ST-16 T	T-12
CGS-24	T-24, TK-24	GS-24 E	T-24, TK-24			STF-30 T	T-24
CGS-42	T-42					STF-16 CT	T-12 C, T-12
CGS-12 C	T-12 C, T-12					ST-12 CEU	EU-1
CGS-24 C	T-24 C, T-24					ST-20 CEU	EU-2
						STF-12 CEU	EU-1
						STF-20 CEU	EU-2
						STF-12 EU	EU-1
						STF-20 EU	EU-2

TYPE T quick change tap adaptors

Type T without torque clutch, with positive locking of the tap

Type	Capacity	ØD mm/*in*	L mm/*in*	$ØD_1$ mm/*in*	L_1 mm/*in*	Weight kg/*lb*
T-8	M2-M8 #0-5/16"	2,5-8,0 *.098-.315*	20 *.790*	14,9 *.587*	12 *.480*	0,03 *0.07*
T-12	M4-M16 #8-5/8"	4,0-7,0 *.157-.276* 7,1-10,0 *.280-.394* 10,5-12,5 *.413-.492*	20 *.790* 17 *.670* 17 *.670*	21 *.827* 21 *.827* 21 *.827*	15 *.590* 15 *.590* 17 *.670*	0,07 *0.15* 0,07 *0.15* 0,07 *0.15*
T-24	M8-M30 5/16"-1 1/8"	8,0-20,32 *.315-.800* 22,4-25,0 *.882-.984*	30 *1.180* 30 *1.180*	36 *1.417* 36 *1.417*	19 *.750* 29 *1.140*	0,36 *0.80* 0,32 *0.70*
T-42	M18-M42 3/4"-1 5/8"	14,0-33,33 *.551-1.312*	40 *1.580*	50 *1.968*	18 *.710*	0,67 *1.5*

ISO

Thread M	UNC	UNF	Tap Ø mm	Ø in	□ mm	□ in	Art.No T-8	T-12	T-24	T-42
2	1-64	1-72	2,50	.098	2,00	.079	27279			
2,2	2-56	2-64	2,80	.110	2,24	.088	27284			
2,5	3-48	3-56	2,80	.110	2,24	.088	27284			
3	4-40	4-48	3,15	.124	2,50	.098	27288	27950		
3,5	6-32	6-40	3,55	.140	2,80	.110	27293	37213		
4			4,00	.157	3,15	.124	27299	22809		
4,5	8-32	8-36	4,50	.177	3,55	.140	27307	22810		
5	10-24	10-32	5,00	.197	4,00	.157	27315	20860		
	12-24	12-28	5,60	.220	4,50	.177	27320	22811		
6	1/4"-20	1/4"-28	6,30	.248	5,00	.197	27328	22812		
7			7,10	.280	5,60	.220	27802	22813	22839	
8	5/16"-18	5/16"-24	8,00	.315	6,30	.248	27809	22814	22840	
9			9,00	.354	7,10	.280		22815	22841	
10	3/8"-16	3/8"-24	10,00	.394	8,00	.315		20887	22843	
11	7/16"-14	7/16"-20	8,00	.315	6,30	.248	27809	22814	22840	
12	1/2"-13	1/2"-20	9,00	.354	7,10	.280		22815	22841	
14	9/16"-12	9/16"-18	11,20	.441	9,00	.354		22817	22844	
16	5/8"-11	5/8"-18	12,50	.492	10,00	.394		22259	22071	
18			14,00	.551	11,20	.441		36233	22845	36252
20	3/4"-10	3/4"-16	14,00	.551	11,20	.441		36233	22845	36252
22	7/8"-9	7/8"-14	16,00	.630	12,50	.492			22846	36255
24	1"-8	1"-12	18,00	.709	14,00	.551			22089	36258
27	1 1/8"-7	1 1/8"-12	20,00	.787	16,00	.630			22096	36261
30			20,00	.787	16,00	.630			22096	36261
33	1 1/4"-7	1 1/4"-12	22,40	.882	18,00	.709			28528	36264
36	1 3/8"-6	1 3/8"-12	25,00	.984	20,00	.787			36033	36267
39	1 1/2"-6	1 1/2"-12	28,00	1.102	22,40	.882				36270
42			28,00	1.102	22,40	.882				36270

DIN

Thread 352 M	371 M	376 M	UNF UNC	353,354 G(R)	Tap Ø mm	Ø in	□ mm	□ in	Art.No T-8	T-12	T-24	T-42
1-1,8	1-1,8	3.5	1/16"		2,50	.098	2,10	.083	27280			
2	2	4	3/32"		2,80	.110	2,10	.083	27283			
2,2	2,2		5/32"		2,80	.110	2,10	.083	27283			
2,5	2,5				2,80	.110	2,10	.083	27283			
3		5	1/8"		3,50	.138	2,70	.106	27292	20847		
3,5	3,5				4,00	.157	3,00	.118	27298	20849		
4	4	6	5/32"		4,50	.177	3,40	.134	27306	20854		
			7/32"		4,00	.157	3,00	.118	27298	20849		
5	5		7/32"		6,00	.236	4,90	.193	27324	20865		
			1/4"		4,50	.177	3,40	.134	27306	20854		
6	6		1/4"		6,00	.236	4,90	.193	27324	20865		
		7			5,50	.217	4,30	.169	27317	20861		
7					6,00	.236	4,90	.193	27324	20865		
	7		1/4"		7,00	.276	5,50	.217	27332	20872	22050	
8		8	5/16"		6,00	.236	4,90	.193	27324	20865		
	8		5/16"		8,00	.315	6,20	.244	27808	20875	22055	
9		9	3/8"	1/8"	7,00	.276	5,50	.217	27332	20872	22050	
10		10			7,00	.276	5,50	.217	27332	20872	22050	
	9		3/8"		9,00	.354	7,00	.276		20880	22062	
11		11	7/16"		8,00	.315	6,20	.244	27808	20875	22055	
12		12	1/2"		9,00	.354	7,00	.276		20880	22062	
	10				10,00	.394	8,00	.315		20887	22843	
14		14	9/16"	1/4"	11,00	.433	9,00	.354		22255	22067	
16	12	16	5/8"	3/8"	12,00	.472	9,00	.354		22257	22069	
18		18	11/16"		14,00	.551	11,00	.433			22075	
			3/4"		14,00	.551	11,00	.433			22075	
20		20	13/16"	1/2"	16,00	.630	12,00	.472			22081	36254
22		22	7/8"	5/8"	18,00	.709	14,50	.571			22090	36259
24		24	15/16"		18,00	.709	14,50	.571			22090	36259
27		27	1"	3/4"	20,00	.787	16,00	.630			22096	36261
30		30	1 1/8"	7/8"	22,00	.866	18,00	.709			28527	36263
33		33	1 1/4"	1"	25,00	.984	20,00	.787			36033	36267
36		36	1 3/8"	1 1/8"	28,00	1.102	22,00	.866				36269
39		39	1 1/2"		32,00	1.260	24,00	.945				36274
42		42	1 5/8"	1 1/4"	32,00	1.260	24,00	.945				36274

ANSI

Thread UNC, UNF NC, NF	NPTS	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-8	T-12	T-24	T-42
0-6		3,58	.141	2,79	.110	27294			
8		4,27	.168	3,33	.131	27305	20853		
10		4,93	.194	3,86	.152	27313	20858		
12		5,59	.220	4,19	.165	27319	20862		
1/4"		6,48	.255	4,85	.191	27330	20870		
5/16"		8,08	.318	6,00	.236		20877	22056	
3/8"		7,47	.294	5,59	.220		29103	22052	
3/8"		9,68	.381	7,26	.286		20886	27855	
	1/8"	11,12	.437	8,33	.328		22256	36204	
7/16"		8,20	.323	6,15	.242		20878	22057	
1/2"		9,32	.367	6,99	.275		20883	22063	
9/16"		10,90	.429	8,18	.322		22254	22066	
5/8"		12,19	.480	9,14	.360		22258	22070	
9/16"	1/4"	14,27	.562	10,69	.421		36744	36205	
3/4"		14,99	.590	11,23	.442		36147	22077	
	1/2"	17,45	.687	13,08	.515		36128	36206	36256
13/16"		16,56	.652	12,42	.489			22083	
7/8"		17,70	.697	13,28	.523		36130	22087	36257
	3/8"	17,78	.700	13,49	.531		36745	36207	
15/16"		19,30	.760	14,48	.570			22094	36260
1"		20,32	.800	15,24	.600		36132	22097	36262
	3/4"	23,01	.906	17,25	.679			36208	36266
1 1/8"		22,76	.896	17,07	.672			28529	36265
1 1/8"	1"	28,57	1.125	21,41	.843				36272
1 1/4"		25,93	1.021	19,45	.766				36268
1 3/8"		28,14	1.108	21,10	.831				36271
1 1/2"		31,32	1.233	23,49	.925				36273
1 5/8"		33,15	1.305	24,86	.979				36275
	1 1/4"	33,33	1.312	24,99	.984				36318

TYPE TK quick change tap adaptors

Type TK with built in safety clutch, with positive locking of the tap

Type	Capacity	ØD mm/*in*	L mm/*in*	$ØD_1$ mm/*in*	L_1 mm/*in*	Weight kg/*lb*
T-8	M2,5-M8 #0-5/16"	2,5-8,0 .098-.315	20 .790	23 .910	47 1.850	0.13 0.28
TK-12	M4-M16 #8-5/8"	4,0-7,0 .157-.276 7,1-10,0 .280-.394 10,5-12,5 .413-.492	20 .790 17 .670 17 .670	30 1.180 30 1.180 30 1.180	56 2.210 56 2.210 63 2.480	0.25 0.55 0.25 0.55 0.25 0.55
TK-24	M8-M30 5/16"-1"	8,0-15,5 .315-.610 16,0-20,32 .630-.800	30 1.180 30 1.180	50 1.970 50 1.970	70 2.760 85 3.350	0.95 2.1 1.1 2.4

ISO

Thread M	UNC	UNF	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-8	T-12	T-24
2	1-64	1-72	2,50	.098	2,00	.079	29822		
2,2	2-56	2-64	2,80	.110	2,24	.088	29823		
2,5	3-48	3-56	2,80	.110	2,24	.088	29823		
3	4-40	4-48	3,15	.124	2,50	.098	29824	26590	
3,5	6-32	6-40	3,55	.140	2,80	.110	29825		
4			4,00	.157	3,15	.124	29826	29724	
4,5	8-32	8-36	4,50	.177	3,55	.140	29827	29725	
5	10-24	10-32	5,00	.197	4,00	.157	29828	29726	
	12-24	12-28	5,60	.220	4,50	.177	29829	29727	
6	1/4"-20	1/4"-28	6,30	.248	5,00	.197	29830	29728	
7			7,10	.280	5,60	.220	29831	29729	
8	5/16"-18	5/16"-24	8,00	.315	6,30	.248	29832	29730	26095
9			9,00	.354	7,10	.280		29731	26096
10	3/8"-16	3/8"-24	10,00	.394	8,00	.315		29733	26098
11	7/16"-14	7/16"-20	8,00	.315	6,30	.248	29832	29730	26095
12	1/2"-13	1/2"-20	9,00	.354	7,10	.280		29731	26096
14	9/16"-12	9/16"-18	11,20	.441	9,00	.354		36825	26099
16	5/8"-11	5/8"-18	12,50	.492	10,00	.394		36828	26100
18			14,00	.551	11,20	.441			26101
20	3/4"-10	3/4"-16	14,00	.551	11,20	.441			26101
22	7/8"-9	7/8"-14	16,00	.630	12,50	.492			26102
24	1"-8	1"-12	18,00	.709	14,00	.551			26103
27	1 1/8"-7	1 1/8"-12	20,00	.787	16,00	.630			26104
30			20,00	.787	16,00	.630			26104

DIN

Thread 352 M	371 M	376 M	UNF UNC	353,354 G(R)	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-8	T-12	T-24
1-1,8	1-1,8	3.5	1/16"		2,50	.098	2,10	.083	29837		
2	2	4	3/32"		2,80	.110	2,10	.083	29840		
2,2	2,2		5/32"		2,80	.110	2,10	.083	29840		
2,5	2,5				2,80	.110	2,10	.083	29840		
3		5	1/8"		3,50	.138	2,70	.106	29847	29735	
3,5	3,5				4,00	.157	3,00	.118	29852	29737	
4	4	6	5/32"		4,50	.177	3,40	.134	29859	29742	
			7/32"		4,00	.157	3,00	.118	29852	29737	
5	5		7/32"		6,00	.236	4,90	.193	29874	29752	2698
			1/4"		4,50	.177	3,40	.134	29859	29742	
6	6		1/4"		6,00	.236	4,90	.193	29874	29752	26983
		7			5,50	.217	4,30	.169	29868	29748	
7					6,00	.236	4,90	.193	29874	29752	26983
	7		1/4"		7,00	.276	5,50	.217	29881	29759	26105
8		8	5/16"		6,00	.236	4,90	.193	29874	29752	26983
	8		5/16"		8,00	.315	6,20	.244	29887	29762	26110
9		9	3/8"	1/8"	7,00	.276	5,50	.217	29881	29759	26105
10		10			7,00	.276	5,50	.217	29881	29759	26105
	9		3/8"		9,00	.354	7,00	.276		29769	26117
11		11	7/16"		8,00	.315	6,20	.244	29887	29762	26110
12		12	1/2"		9,00	.354	7,00	.276		29769	26117
	10				10,00	.394	8,00	.315		29733	26098
14		14	9/16"	1/4"	11,00	.433	9,00	.354		36823	26124
16	12	16	5/8"	3/8"	12,00	.472	9,00	.354		36826	26126
18		18	11/16"		14,00	.551	11,00	.433			26131
			3/4"		14,00	.551	11,00	.433			26131
20		20	13/16"	1/2"	16,00	.630	12,00	.472			26137
22		22	7/8"	5/8"	18,00	.709	14,50	.571			26145
24		24	15/16"		18,00	.709	14,50	.571			26145
27		27	1"	3/4"	20,00	.787	16,00	.630			26104

ANSI

Thread UNC, UNF NC, NF	NPTS	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-8	T-12	T-24
0-6		3,58	.141	2,79	.110	29848		
8		4,27	.168	3,33	.131	29858	29741	
10		4,93	.194	3,86	.152	29865	29746	
12		5,59	.220	4,19	.165	29870	29749	
1/4"		6,48	.255	4,85	.191	29879	29757	
5/16"		8,08	.318	6,00	.236	36731	29763	26111
3/8"		7,47	.294	5,59	.220			26107
3/8"		9,68	.381	7,26	.286		29774	26121
	1/8"	11,12	.437	8,33	.328		36824	26125
7/16"		8,20	.323	6,15	.242		29765	26112
1/2"		9,32	.367	6,99	.275		29771	26118
9/16"		10,90	.429	8,18	.322		36822	26123
5/8"		12,19	.480	9,14	.360		36827	26127
9/16"	1/4"	14,27	.562	10,69	.421			26132
3/4"		14,99	.590	11,23	.442			26133
	1/2"	17,45	.687	13,08	.515			26141
13/16"		16,56	.652	12,42	.489			26139
7/8"		17,70	.697	13,28	.523			26143
	3/8"	17,78	.700	13,49	.531			26144
15/16"		19,30	.760	14,48	.570			26149
1"		20,32	.800	15,24	.600			26151

TYPE TC quick change tap adaptors for coolant along the tap

Type TC without torque limiter, with positive locking of the tap

Type	Capacity	ØD mm/*in*	L mm/*in*	$ØD_1$ mm/*in*	L_1 mm/*in*	Weight kg/*lb*
T-12C	M4-M16 #8-5/8"	4,0-7,0 *.157-.276* 7,1-10,0 *.280-.394* 10,5-12,5 *.413-.492*	20 *.790* 17 *.670* 17 *.670*	21 *.827* 21 *.827* 21 *.827*	15 *.590* 15 *.590* 17 *.670*	0,07 *0.15* 0,07 *0.15* 0,07 *0.15*
T-24C	M8-M30 5/16"-1 1/8"	8,0-20,32 *.315-.800* 22,4-25,0 *.882-.984*	30 *1.180* 30 *1.180*	36 *1.417* 36 *1.417*	19 *.750* 29 *1.140*	0,36 *0.80* 0,32 *0.70*
T-42C	M18-M42 3/4"-1 5/8"	14,0-33,33 *.551-1.312*	40 *1.580*	50 *1.968*	18 *.710*	0,67 *1.5*

ISO

Thread M	UNC	UNF	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-12C	T-24C	T-42C
6	1/4"-20	1/4"-28	6,30	.248	5,00	.197	22812C		
7			7,10	.280	5,60	.220	22813C		
8	5/16"-18	5/16"-24	8,00	.315	6,30	.248	22814C	22840C	
9			9,00	.354	7,10	.280	22815C	22841C	
10	3/8"-16	3/8"-24	10,00	.394	8,00	.315	20887C	22843C	
11	7/16"-14	7/16"-20	8,00	.315	6,30	.248	22814C	22840C	
12	1/2"-13	1/2"-20	9,00	.354	7,10	.280	22815C	22841C	
14	9/16"-12	9/16"-18	11,20	.441	9,00	.354	22817C	22844C	
16	5/8"-11	5/8"-18	12,50	.492	10,00	.394	22259C	22071C	
18			14,00	.551	11,20	.441		22845C	36252C
20	3/4"-10	3/4"-16	14,00	.551	11,20	.441		22845C	36252C
22	7/8"-9	7/8"-14	16,00	.630	12,50	.492		22846C	36255C
24	1"-8	1"-12	18,00	.709	14,00	.551		22089C	36258C
27	1 1/8"-7	1 1/8"-12	20,00	.787	16,00	.630		22096C	36261C
30			20,00	.787	16,00	.630		22096C	36261C
33	1 1/4"-7	1 1/4"-12	22,40	.882	18,00	.709			36264C
36	1 3/8"-6	1 3/8"-12	25,00	.984	20,00	.787			36267C
39	1 1/2"-6	1 1/2"-12	28,00	1.102	22,40	.882			36270C
42			28,00	1.102	22,40	.882			36270C

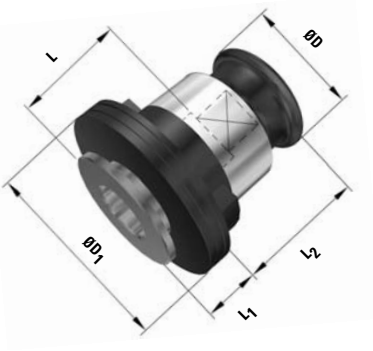
DIN

Thread 352 M	371 M	376 M	UNF UNC	353,354 G(R)	Tap Ø mm	Ø in	□ mm	□ in	Art.No. T-12C	T-24C	T-42C
5	5		7/32"		6,00	.236	4,90	.193	20865C		
			1/4"		4,50	.177	3,40	.134	20854C		
6	6		1/4"		6,00	.236	4,90	.193	20865C		
		7			5,50	.217	4,30	.169	20861C		
7					6,00	.236	4,90	.193	20865C		
	7		1/4"		7,00	.276	5,50	.217	20872C		
8		8	5/16"		6,00	.236	4,90	.193	20865C		
	8		5/16"		8,00	.315	6,20	.244	20875C	22055C	
9		9	3/8"	1/8"	7,00	.276	5,50	.217	20872C	22050C	
10		10			7,00	.276	5,50	.217	20872C	22050C	
	9		3/8"		9,00	.354	7,00	.276	20880C	22062C	
11		11	7/16"		8,00	.315	6,20	.244	20875C	22055C	
12		12	1/2"		9,00	.354	7,00	.276	20880C	22062C	
	10				10,00	.394	8,00	.315	20887C	22843C	
14		14	9/16"	1/4"	11,00	.433	9,00	.354	22255C	22067C	
16	12	16	5/8"	3/8"	12,00	.472	9,00	.354	22257C	22069C	
18		18	11/16"		14,00	.551	11,00	.433		22075C	
			3/4"		14,00	.551	11,00	.433		22075C	
20		20	13/16"	1/2"	16,00	.630	12,00	.472		22081C	36254C
22		22	7/8"	5/8"	18,00	.709	14,50	.571		22090C	36259C
24		24	15/16"		18,00	.709	14,50	.571		22090C	36259C
27		27	1"	3/4"	20,00	.787	16,00	.630		22096C	36261C
30		30	1 1/8"	7/8"	22,00	.866	18,00	.709		28527C	36263C
33		33	1 1/4"	1"	25,00	.984	20,00	.787			36267C
36		36	1 3/8"	1 1/8"	28,00	1.102	22,00	.866			36269C
39		39	1 1/2"		32,00	1.260	24,00	.945			36274C
42		42	1 5/8"	1 1/4"	32,00	1.260	24,00	.945			36274C

TYPE EU tap adaptors

Type EU without safety clutch, with positive locking of the tap

Type	Capacity	ØD mm/*in*	L mm/*in*	$ØD_1$ mm/*in*	L_1 mm/*in*	L_2 mm/*in*
EU-0	M2-M10 #6-1/4"	13 .512	15 .591	22 .866	7 .276	19,5 .768
EU-1	M4-M14 #6-9/16"	19 .7488	17 .669	30 1.181	7 .276	21,5 .846
EU-2	M8-M22 #5-7/8"	31 1.220	30 1.181	48 1.890	11 .433	35 1.378



ISO

Thread M	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EU-0	EU-1	EU-2
2	2,50	.098	2,00	.079	72850		
3	3,15	.124	2,50	.098	72852	73002	
3,5	3,55	.140	2,80	.110	72854	73004	
4	4,00	.157	3,15	.124	72856	73006	
4,5	4,50	.177	3,55	.140		73009	
5	5,00	.197	4,00	.157	72858	73011	
6	6,30	.248	5,00	.197	72860	73015	73033
7	7,10	.280	5,60	.220		73018	73035
8	8,00	.315	6,30	.248		73029	73036
9	9,00	.354	7,10	.280		73022	73039
10	10,00	.394	8,00	.315		73025	73042
11	8,00	.315	6,30	.248		73019	73036
12	9,00	.354	7,10	.280		73022	73039
14	11,20	.441	9,00	.354			73045
16	12,50	.492	10,00	.394			73048
18	14,00	.551	11,20	.441			73051
20	14,00	.551	11,20	.441			73051
22	16,00	.630	12,50	.492			73055

DIN

Thread 352 M	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EU-0	EU-1	EU-2
1-1,8	2,50	.098	2,10	.083	72850		
2	2,80	.110	2,10	.083	72851		
2,5	2,80	.110	2,10	.083	72851		
3	3,50	.138	2,70	.106	72853	73003	
3,5	4,00	.157	3,00	.118	72855	73005	
4	4,50	.177	3,40	.134	72857	73008	
5	6,00	.236	4,90	.193	72859	73014	73032
6	6,00	.236	4,90	.193	72859	73014	73032
7	6,00	.236	4,90	.193	72859	73014	73032
	7,00	.276	5,50	.217	72861	73017	73034
8	6,00	.236	4,90	.193	72859	73014	73032
	8,00	.315	6,20	.244	72862	73019	73036
9	7,00	.276	5,50	.217	72861	73017	73034
10	7,00	.276	5,50	.217		73017	73034
	9,00	.354	7,00	.276		73022	73039
11	8,00	.315	6,20	.244	72862	73019	73036
12	9,00	.354	7,00	.276		73022	73039
	10,00	.394	8,00	.315		73025	73042
14	11,00	.433	9,00	.354		73027	73044
16	12,00	.472	9,00	.354			73046
18	14,00	.551	11,00	.433			73050
20	16,00	.630	12,00	.472			73054
22	18,00	.709	14,50	.571			73061

ANSI

Thread UNC, UNF NC, NF	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EU-0	EU-1	EU-2
0-6	3,58	.141	2,79	.110	72863	73091	
8	4,27	.168	3,33	.131	72864	73007	
10	4,93	.194	3,86	.152	72865	73010	
12	5,59	.220	4,19	.165	72866	73012	
1/4"	6,48	.225	4,85	.191	72867	73016	
5/16"	8,08	.318	6,00	.236		73020	73037
3/8"	9,68	.381	7,26	.286		73024	73041
7/16"	8,20	.323	6,15	.242		73021	73038
1/2"	9,32	.367	6,99	.275		73023	73040
9/16"	10,90	.429	8,18	.322		73026	73043
5/8"	12,19	.480	9,14	.360			73047
9/16"	14,27	.562	10,69	.421			
3/4"	14,99	.590	11,23	.442			73053
11/16"	17,45	.687	13,08	.515			73057
13/16"	15,56	.652	12,42	.489			73056
7/8"	17,07	.697	13,28	.523			73058
	17,78	.700	13,49	.531			73059

TYPE EUK tap adaptors

Type EUK with safety clutch, with positive locking of the tap

Type	Capacity	ØD mm/*in*	L mm/*in*	$ØD_1$ mm/*in*	L_1 mm/*in*	L_2 mm/*in*
EUK-0	M2-M10 #6-1/4"	13 .512	15 .591	24 .945	21 .827	19,5 .768
EUK-1	M4-M14 #6-9/16"	19 .7488	17 .669	32,5 1.280	25 .984	21,5 .846
EUK-2	M8-M22 5/16"-7/8"	31 1.220	30 1.181	50,5 1.988	34 1.339	35 1.378

ISO

Thread M	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EUK-0	EUK-1	EUK-2
2	2,50	.098	2,00	.079	72950		
3	3,15	.124	2,50	.098	72952	73102	
3,5	3,55	.140	2,80	.110	72954	73104	
4	4,00	.157	3,15	.124	72956	73106	
4,5	4,50	.177	3,55	.140		73109	
5	5,00	.197	4,00	.157	72958	73111	
6	6,30	.248	5,00	.197	72960	73115	73133
7	7,10	.280	5,60	.220		73118	73135
8	8,00	.315	6,30	.248		73119	73136
9	9,00	.354	7,10	.280		73122	73139
10	10,00	.394	8,00	.315		73125	73142
11	8,00	.315	6,30	.248		73119	73136
12	9,00	.354	7,10	.280		73122	73139
14	11,20	.441	9,00	.354			73145
16	12,50	.492	10,00	.394			73148
18	14,00	.551	11,20	.441			73151
20	14,00	.551	11,20	.441			73151
22	16,00	.630	12,50	.492			73155

DIN

Thread 352 M	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EUK-0	EUK-1	EUK-2
1-1,8	2,50	.098	2,10	.083	72950		
2	2,80	.110	2,10	.083	72951		
2,5	2,80	.110	2,10	.083	72951		
3	3,50	.138	2,70	.106	72953	73103	
3,5	4,00	.157	3,00	.118	72955	73105	
4	4,50	.177	3,40	.134	72957	73108	
5	6,00	.236	4,90	.193	72959	73114	73132
6	6,00	.236	4,90	.193	72959	73114	73132
7	6,00	.236	4,90	.193	72959	73114	73132
	7,00	.276	5,50	.217	72961	73117	73134
8	6,00	.236	4,90	.193	72959	73114	73132
	8,00	.315	6,20	.244	72962	73119	73136
9	7,00	.276	5,50	.217	72961	73117	73134
10	7,00	.276	5,50	.217		73117	73134
	9,00	.354	7,00	.276		73122	73139
11	8,00	.315	6,20	.244	72962	73119	73136
12	9,00	.354	7,00	.276		73122	73139
	10,00	.394	8,00	.315		73125	73142
14	11,00	.433	9,00	.354		73127	73144
16	12,00	.472	9,00	.354			73146
18	14,00	.551	11,00	.433			73150
20	16,00	.630	12,00	.472			73154
22	18,00	.709	14,50	.571			73161

ANSI

Thread UNC, UNF NC, NF	Tap Ø mm	Ø in	□ mm	□ in	Art.No. EUK-0	EUK-1	EUK-2
0-6	3,58	.141	2,79	.110	72963	73107	
8	4,27	.168	3,33	.131	72964	73107	
10	4,93	.194	3,86	.152	72965	73110	
12	5,59	.220	4,19	.165	72966	73112	
1/4"	6,48	.225	4,85	.191	72967	73116	
5/16"	8,08	.318	6,00	.236		73120	73137
3/8"	9,68	.381	7,26	.286		73124	73141
7/16"	8,20	.323	6,15	.242		73121	73138
1/2"	9,32	.367	6,99	.275		73123	73140
9/16"	10,90	.429	8,18	.322		73126	73143
5/8"	12,19	.480	9,14	.360			73147
9/16"	14,27	.562	10,69	.421			
3/4"	14,99	.590	11,23	.442			73153
11/16"	17,45	.687	13,08	.515			73157
13/16"	15,56	.652	12,42	.489			73156
7/8"	17,07	.697	13,28	.523			73158

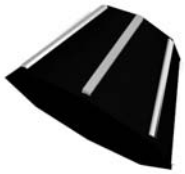
SPV SPINTEC Weldon holders

Shank	ØD1 mm	L mm	ØD2 mm	Art.No.
SK 40 / DIN 2080	25	85	65	6110-25085
	32	90	72	6110-32090
SK 50 / DIN 2080	25	80	65	6210-25080
	32	80	72	6210-32080
BT-40	25	35*	44	5210-25035
	25	90	65	5210-25090
	32	70*	72	5210-32070
	32	90	65	5210-32090
BT-50	25	45*	70	5310-25045
	25	100	65	5310-25100
	32	45*	70	5310-32045
	32	100	72	5310-32100
ISO 40 - 7388/AD	25	35*	44	4110-25035
	25	85	65	4110-25085
	32	35*	65	4110-32070
	32	85	65	4110-32085
ISO 50 - 7388/AD	25	35*	70	4310-25035
	25	85	65	4310-25085
	32	35*	70	4310-32035
	32	85	72	4310-32085

** Extra short with one clamping screw only*

Weldon extensions with through hole

Weldon ØD1 mm	Weldon ØD2 mm	ØD3 mm	L mm	Art.No.
25	25	36	100	37800
25	25	36	150	37799



Rubberflex collets for Jacobs chuck

For	Collets	Tap Ø mm	Ø in	□ mm	□ in	Art.No.
ST-12 J	J 420	4,5-8,0	.180-.310	2,3-8,0	.090-.310	17953
STF-12 J	J 421	3,5-6,5	.140-.260	2,3-8,0	.090-.310	18058
	J 422	6,5-10,0	.260-.390	2,3-8,0	.090-.310	17936
ST-16 J	J 443	2,8-7,1	.110-.280	3,0-10,0	.120-.360	22195
STF-16 J	J 441	4,5-9,7	.180-.380	3,0-10,0	.120-.360	22197
	J 440	7,1-12,7	.280-.500	3,0-10,0	.120-.360	22196
ST-33 J	J 461	10,0-16,0	.390-.630	8,0-18,0	.315-.710	37443
STF-33 J	J 462	16,0-23,0	.630-.905	8,0-18,0	.315-.710	37444

Arbors

Size	Shank mm		Art.No.
B 12	MK 2		27419
	Cyl. 10 x 46 mm		27421
	TR 16 x 1.5	L=26	27587 *
B 16	MK 1		21104
	MK 2		20823
	MK 3		20824
	Cyl. 25 x 127 mm		23092
	TR 16 x 1.5	L=28	21113 *
	TR 20 x 2	L=28	21114 *
	TR 28 x 2	L=30	21115 *
B 18	MK 2		22265
	MK 3		22266
	MK 4		22267
	TR 28 x 2	L=30	22269 *
	TR 36 x 2	L=36	22270 *

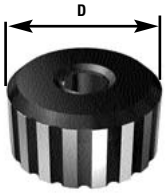
** Incl nut*

Quick change chuck C

Size	Internal taper	Tap adaptor	L mm	L in	Art.No.
C-8	J 1	T-8, TK-8	47	1.850	28194
	B 12	T-8, TK-8	47	1.850	36724
C-12	J 2	T-12, TK-12	49	1.930	20777
	B 12	T-12, TK-12	48	1.850	36583
	B 16	T-12, TK-12	53	2.090	36817
C-24	B 18	T-24, TK-24	87	3.430	27866

Nut

Type	D mm	Art.No.
ST-12 J	32	41826
ST-16 J	40	95207
ST-33 J	56	37441



Wrench

For nut	Art.No.
ST-12 J	41827
ST-16 J	95208
ST-33 J	37442

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Spintec AB is a family company which was formed in 1977 in Eskilstuna, with the aim of making and marketing high speed electric machining spindles, plus converters and accessories for the Swedish market and other industrialised countries.

Right from the start, the company aimed at marketing high quality products and services, with a high technology content, and always endeavoured to use the latest machine and appliance technology in its own manufacture.

In the summer of 2003, it acquired SPV Tools as a measure to widen its product range. SPV Tools was founded in 1933 and makes very high precision tool holders for industry. Its products include hydraulic chucks, threading tools and other tool holders. When combined with Spintec products, this gives a full-range supplier of equipment for industrial machining.

After SPV Tools was acquired, the SPV Spintec Group was formed. These days, the SPV Spintec Group has become known as a problem-solving collaboration partner, whose unique machining know-how can offer customised solutions. Technical consultation, quick service and reliable deliveries are our hall-marks.