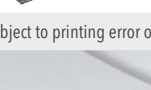


DRILLS/THREAD MILLING

	D	a	Description	Code	Page
	13 - 29	2xD	QUAD DRILL PLUS Indexable drill 2D Ø13-Ø29		210
	30 - 50	2xD	QUAD DRILL PLUS Indexable drill 2D Ø30-Ø50		212
	12,5 - 27,5	3xD	QUAD DRILL PLUS Indexable drill 3D Ø12,5-Ø27,5		214
	28 - 50,5	3xD	QUAD DRILL PLUS Indexable drill 3D Ø28-Ø50,5		216
	51 - 60	3xD	QUAD DRILL PLUS Indexable drill 3D Ø51-Ø60		218
	13 - 29	4xD	QUAD DRILL PLUS Indexable drill 4D Ø13-Ø29		220
	30 - 50	4xD	QUAD DRILL PLUS Indexable drill 4D Ø30-Ø50		222
	13 - 27	5xD	QUAD DRILL PLUS Indexable drill 5D Ø13-Ø27		224
	28 - 50	5xD	QUAD DRILL PLUS Indexable drill 5D Ø28-Ø50		226
	51 - 80	2,5xD	QUAD DRILL PLUS Cartridge Indexable Drill 2,5D Ø51-Ø80		228
	51 - 80	3,5xD	QUAD DRILL PLUS Cartridge Indexable Drill 3,5D Ø51-Ø80		230
	16 - 40	1xD	QUAD DRILL PLUS BSD03A	BSD03A	232
	10 - 48	1xD	QUAD DRILL PLUS BSD03B	BSD03B	234
	15 - 48	1xD	QUAD DRILL PLUS BSE01A	BSE01A	236

Subject to printing error or technical changes.

DRILLS/THREAD MILLING

	D	a	Description	Code	Page
	9,5 - 9,9	12	RAPID THREAD End Mill Weldon Shank (a=12mm)		238
	9,9	12	RAPID THREAD End Mill Carbide Shank (a=12mm)		240
	12 - 20	14	RAPID THREAD End Mill Weldon Shank (a=14mm)		242
	13,2 - 15,2	14	RAPID THREAD End Mill Carbide Shank (a=14mm)		244
	18 - 30	21	RAPID THREAD End Mill Weldon Shank (a=21mm)		246
	21	21	RAPID THREAD End Mill Carbide Shank (a=21mm)		248
	63	21	RAPID THREAD Shell Mill (a=21mm)		250
	29 - 40	30	RAPID THREAD End Mill Weldon Shank (a=30mm)		252
	27	30	RAPID THREAD End Mill Carbide Shank (a=30mm)		254
	63 - 100	30	RAPID THREAD Shell Mill (a=30mm)		256
	48 - 50	40	RAPID THREAD End Mill Weldon Shank (a=40mm)		258
	80 - 100	40	RAPID THREAD Shell Mill (a=40mm)		260
	23	23	RAPID THREAD End Mill Weldon Shank (a=23mm)		262
	32	32	RAPID THREAD End Mill Weldon Shank (a=32mm)		264

Subject to printing error or technical changes.

DRILLS/THREAD MILLING

	D	a	Description	Code	Page
	45	37	RAPID THREAD End Mill Weldon Shank (a=37mm)		266
	63	38	RAPID THREAD Shell Mill (a=38mm)		268
	3,8 - 18	10,3 - 58,5	RAPID THREAD SC ISO-Threading with central internal Coolant		270
	3,2 - 19,5	6,8 - 42,9	RAPID THREAD SC UN-Threading with central internal Coolant		271
	7,8 - 16	14,1 - 38,1	RAPID THREAD SC BSP-Threading with central internal Coolant		272
	7,8 - 16	14,1 - 28,9	RAPID THREAD SC BSPT-Threading with central internal Coolant		273
	7,6 - 20	10,8 - 39,7	RAPID THREAD SC NPT-Threading with central internal Coolant		274
	4,8 - 15	10,5 - 33,8	RAPID THREAD SC ISO-Threading with internal Coolant in the flutes		275
	6 - 14,4	14,1 - 34,3	RAPID THREAD SC UN-Threading with internal Coolant in the flutes		276
	7,8 - 16	14,1 - 38,1	RAPID THREAD SC BSP-Threading with internal Coolant in the flutes		277
	7,6 - 10	10,8 - 16,2	RAPID THREAD SC NPT-Threading with internal Coolant in the flutes		278
	7,6 - 15,5	10,8 - 22,7	RAPID THREAD SC NPTF-Threading with internal Coolant in the flutes		279
	2,2 - 16	5,3 - 58,5	RAPID THREAD SC ISO-Threading internal		280
	10 - 12	16,5 - 21	RAPID THREAD SC ISO-Threading external		281

Subject to printing error or technical changes.

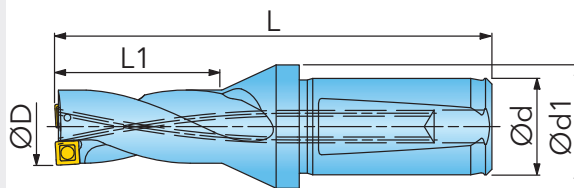
DRILLS/THREAD MILLING

	D	a	Description	Code	Page
	4 - 16	11,3 - 42,9	RAPID THREAD SC UN-Threading internal		282
	6 - 20	9,5 - 47,3	RAPID THREAD SC BSP-Threading internal & external		283
	6 - 16	9,5 - 28,9	RAPID THREAD SC BSPT-Threading internal & external		284
	6 - 20	9,9 - 39,7	RAPID THREAD SC NPT-Threading internal & external		285
	6 - 12	9,9 - 20,9	RAPID THREAD SC NPTF-Threading internal & external		286
	1,05 - 15	-	RAPID THREAD SC ISO-Threading short internal (right version)		287
	1,15 - 11,4	-	RAPID THREAD SC UN-Threading short internal (right Version)		288
	1,55 - 11,8	-	RAPID THREAD SC ISO-Threading short internal (left version)		289
	3,15 - 11,8	-	RAPID THREAD SC ISO-Threading / Drilling short internal (left version)		290
	1,15 - 9,2	-	RAPID THREAD SC UN-Threading short internal (left version)		291

Subject to printing error or technical changes.

DRILLS/THREAD MILLING

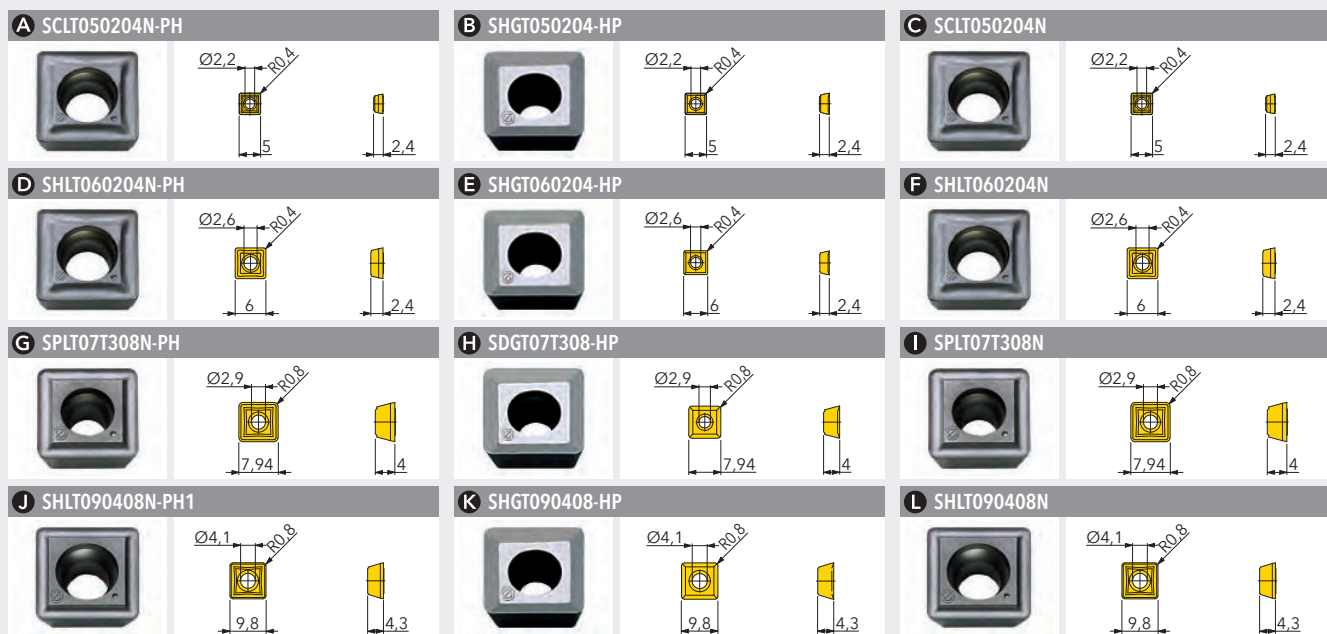
ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.013.002	13	20	25	44	26	2	1	✓	0,15	A B C
BS.014.002	14	20	25	46	28	2	1	✓	0,16	A B C
BS.015.004	15	20	25	49	30	2	1	✓	0,16	A B C
BS.016.005	16	25	32	52	32	2	1	✓	0,26	D E F
BS.017.003	17	25	32	54	34	2	1	✓	0,26	D E F
BS.018.005	18	25	32	57	36	2	1	✓	0,26	D E F
BS.019.004	19	25	32	59	38	2	1	✓	0,27	D E F
BS.020.007	20	25	32	63	40	2	1	✓	0,29	D E F
BS.021.003	21	25	32	65	42	2	1	✓	0,33	D E F
BS.022.007	22	25	32	67	44	2	1	✓	0,33	G H I
BS.023.008	23	25	45	71	46	2	1	✓	0,42	G H I
BS.024.009	24	25	45	74	48	2	1	✓	0,44	G H I
BS.025.012	25	25	45	77	50	2	1	✓	0,45	G H I
BS.026.008	26	25	45	79	52	2	1	✓	0,46	G H I
BS.027.008	27	25	45	81	54	2	1	✓	0,47	G H I
BS.028.006	28	25	45	84	56	2	1	✓	0,49	J K L
BS.029.007	29	32	45	86	58	2	1	✓	0,66	J K L

QUAD DRILL PLUS INDEXABLE DRILL 2D Ø13-Ø29

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									

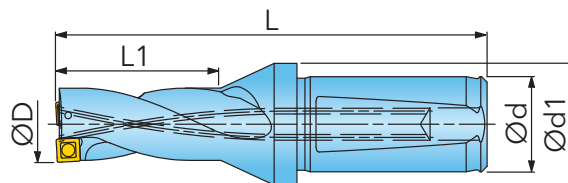
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS		①	②
Diameter Range			
13 - 15	SM20-043-00 (0,7Nm) DS-TP06S (TX-Plus)		
16 - 21	SM22-052-00 (0,8Nm) DS-T07S		
22 - 27	SM25-064-00 (1,1Nm) DS-T08S		
28 - 29	SM35-088-60 (3,0Nm) DS-T10S		

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.030.010	30	32	55	91	60	2	1	✓	0,78	A B C
BS.031.006	31	32	55	94	62	2	1	✓	0,81	A B C
BS.032.009	32	32	55	96	64	2	1	✓	0,84	A B C
BS.033.008	33	32	55	99	66	2	1	✓	0,87	A B C
BS.034.006	34	32	55	101	68	2	1	✓	0,89	D E F
BS.035.006	35	32	55	104	70	2	1	✓	0,92	D E F
BS.036.008	36	32	55	107	72	2	1	✓	0,96	D E F
BS.037.006	37	32	55	110	74	2	1	✓	0,97	D E F
BS.038.006	38	32	55	113	76	2	1	✓	1,00	D E F
BS.039.006	39	32	55	115	78	2	1	✓	1,05	D E F
BS.040.013	40	32	60	118	80	2	1	✓	1,10	D E F
BS.041.003	41	40	60	121	82	2	1	✓	1,48	D E F
BS.042.007	42	40	60	123	84	2	1	✓	1,50	G H I
BS.043.006	43	40	60	126	86	2	1	✓	1,55	G H I
BS.044.003	44	40	60	128	88	2	1	✓	1,60	G H I
BS.045.003	45	40	60	132	90	2	1	✓	1,66	G H I
BS.046.003	46	40	60	135	92	2	1	✓	1,71	G H I
BS.047.003	47	40	60	137	94	2	1	✓	1,76	G H I
BS.048.004	48	40	60	140	96	2	1	✓	1,84	G H I
BS.049.003	49	40	60	142	98	2	1	✓	1,86	G H I
BS.050.003	50	40	60	145	100	2	1	✓	1,93	G H I

QUAD DRILL PLUS INDEXABLE DRILL 2D Ø30-Ø50

DRILLS/THREAD MILLING

A SHLT090408N-PH1	
B SHGT090408-HP	
C SHLT090408N	
D SHLT110408N-PH1	
E SHGT110408-HP	
F SHLT110408N	
G SPLT140512N-PH	
H SDGT140512-HP	
I SPLT140512N	

Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

SPARE PARTS



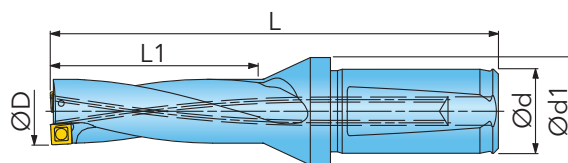
Diameter Range

30 - 33	SM35-088-60 (3,0Nm) DS-T10S
34 - 41	SM40-093-20 (4,5Nm) DS-T15S
42 - 50	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.013.003	12,5	20	25	57	38	2	1	✓	0,16	A B C
BS.013.004	13	20	25	57	39	2	1	✓	0,16	A B C
BS.014.003	13,5	20	25	60	41	2	1	✓	0,16	A B C
BS.014.004	14	20	25	60	42	2	1	✓	0,17	A B C
BS.015.005	14,5	20	25	64	44	2	1	✓	0,17	A B C
BS.015.006	15	20	25	64	45	2	1	✓	0,17	A B C
BS.016.010	15,5	25	32	68	47	2	1	✓	0,29	D E F
BS.016.006	16	25	32	68	48	2	1	✓	0,30	D E F
BS.017.006	16,5	25	32	71	50	2	1	✓	0,30	D E F
BS.017.004	17	25	32	71	51	2	1	✓	0,30	D E F
BS.018.009	17,5	25	32	75	53	2	1	✓	0,31	D E F
BS.018.006	18	25	32	75	54	2	1	✓	0,32	D E F
BS.019.007	18,5	25	32	78	55	2	1	✓	0,32	D E F
BS.019.005	19	25	32	78	57	2	1	✓	0,32	D E F
BS.020.012	19,5	25	32	83	59	2	1	✓	0,33	D E F
BS.020.008	20	25	32	83	60	2	1	✓	0,34	D E F
BS.021.006	20,5	25	32	86	61	2	1	✓	0,35	D E F
BS.021.004	21	25	32	86	63	2	1	✓	0,36	D E F
BS.022.006	21,5	25	32	89	64	2	1	✓	0,37	D E F
BS.022.008	22	25	32	89	66	2	1	✓	0,37	G H I
BS.023.007	22,5	25	45	94	67	2	1	✓	0,42	G H I
BS.023.009	23	25	45	94	69	2	1	✓	0,45	G H I
BS.024.010	23,5	25	45	98	70	2	1	✓	0,47	G H I
BS.024.011	24	25	45	98	72	2	1	✓	0,48	G H I
BS.025.013	24,5	25	45	102	74	2	1	✓	0,49	G H I
BS.025.014	25	25	45	102	75	2	1	✓	0,50	G H I
BS.026.013	25,5	25	45	105	78	2	1	✓	0,51	G H I
BS.026.009	26	25	45	105	78	2	1	✓	0,52	G H I
BS.027.009	26,5	25	45	108	79	2	1	✓	0,52	G H I
BS.027.010	27	25	45	108	81	2	1	✓	0,53	G H I
BS.028.009	27,5	25	45	112	84	2	1	✓	0,54	G H I

QUAD DRILL PLUS INDEXABLE DRILL 3D Ø12,5-Ø27,5

DRILLS/THREAD MILLING

A SCLT050204N-PH			B SHGT050204-HP			C SCLT050204N					
D SHLT060204N-PH			E SHGT060204-HP			F SHLT060204N					
G SPLT07T308N-PH			H SDGT07T308-HP			I SPLT07T308N					
Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									

</

SPARE PARTS



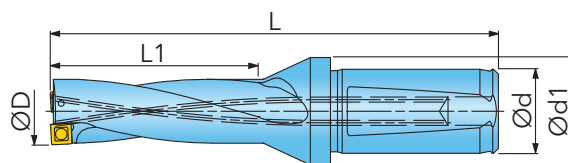
Diameter Range

12,5 - 15	SM20-043-00 (0,7Nm) DS-TP06S (TX-Plus)
15,5 - 21,5	SM22-052-00 (0,8Nm) DS-T07S
22 - 27,5	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.028.007	28	25	45	112	84	2	1	✓	0,56	A B C
BS.029.008	28,5	32	45	115	85	2	1	✓	0,72	A B C
BS.029.009	29	32	45	115	87	2	1	✓	0,75	A B C
BS.030.013	29,5	32	55	121	88	2	1	✓	0,84	A B C
BS.030.011	30	32	55	121	90	2	1	✓	0,87	A B C
BS.031.007	31	32	55	125	93	2	1	✓	0,90	A B C
BS.032.010	32	32	55	128	96	2	1	✓	0,93	A B C
BS.033.009	33	32	55	132	99	2	1	✓	0,97	A B C
BS.034.007	34	32	55	135	102	2	1	✓	1,01	D E F
BS.035.010	34,5	32	55	139	104	2	1	✓	1,04	D E F
BS.035.007	35	32	55	139	105	2	1	✓	1,05	D E F
BS.036.009	36	32	55	143	108	2	1	✓	1,10	D E F
BS.037.007	37	32	55	147	111	2	1	✓	1,11	D E F
BS.038.010	37,5	32	55	151	113	2	1	✓	1,14	D E F
BS.038.007	38	32	55	151	114	2	1	✓	1,17	D E F
BS.039.007	39	32	55	154	117	2	1	✓	1,23	D E F
BS.040.010	40	32	60	158	120	2	1	✓	1,31	D E F
BS.041.007	40,5	32	60	162	122	2	1	✓	1,39	D E F
BS.041.004	41	40	60	162	123	2	1	✓	1,48	D E F
BS.042.008	42	40	60	165	126	2	1	✓	1,62	G H I
BS.043.007	43	40	60	169	129	2	1	✓	1,78	G H I
BS.044.004	44	40	60	172	132	2	1	✓	1,83	G H I
BS.045.004	45	40	60	177	135	2	1	✓	1,92	G H I
BS.046.004	46	40	60	181	138	2	1	✓	1,99	G H I
BS.047.006	46,5	40	60	184	140	2	1	✓	1,96	G H I
BS.047.004	47	40	60	184	141	2	1	✓	2,05	G H I
BS.048.005	48	40	60	188	144	2	1	✓	2,11	G H I
BS.049.004	49	40	60	191	147	2	1	✓	2,16	G H I
BS.050.004	50	40	60	195	150	2	1	✓	2,26	G H I
BS.051.003	50,5	40	60	198	152	2	1	✓	2,31	G H I

QUAD DRILL PLUS INDEXABLE DRILL 3D Ø28-Ø50,5

DRILLS/THREAD MILLING

A SHLT090408N-PH1	
B SHGT090408-HP	
C SHLT090408N	
D SHLT110408N-PH1	
E SHGT110408-HP	
F SHLT110408N	
G SPLT140512N-PH	
H SDGT140512-HP	
I SPLT140512N	

Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

SPARE PARTS



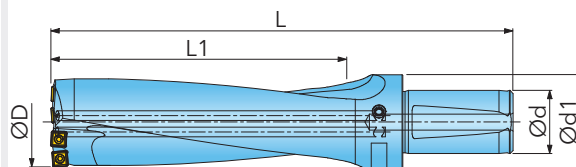
Diameter Range

28 - 33	SM35-088-60 (3,0Nm) DS-T10S
34 - 41	SM40-093-20 (4,5Nm) DS-T15S
42 - 50,5	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

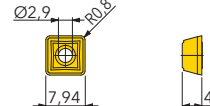
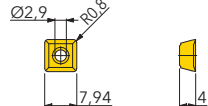
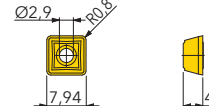
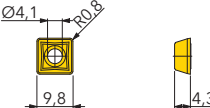
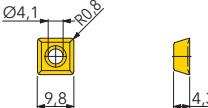
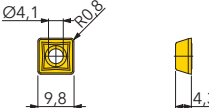
ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.051.002	51	40	75	199	153	4	1	✓	2,25	A B C
BS.052.001	52	40	75	203	156	4	1	✓	2,35	A B C
BS.053.001	53	40	75	206	159	4	1	✓	2,45	A B C
BS.054.002	54	40	75	208	162	4	1	✓	2,55	A B C
BS.055.001	55	40	75	211	165	4	1	✓	2,65	A B C
BS.056.001	56	40	75	215	168	4	1	✓	2,75	D E F
BS.057.002	57	40	75	220	171	4	1	✓	2,85	D E F
BS.058.001	58	40	75	224	174	4	1	✓	2,95	D E F
BS.059.001	59	40	75	227	177	4	1	✓	3,07	D E F
BS.060.001	60	40	75	231	180	4	1	✓	3,15	D E F

QUAD DRILL PLUS INDEXABLE DRILL 3D Ø51 - Ø60

DRILLS/THREAD MILLING

A SPLT07T308N-PH			B SDGT07T308-HP			C SPLT07T308N					
											
D SHLT090408N-PH1			E SHGT090408-HP			F SHLT090408N					
											
Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



Diameter Range

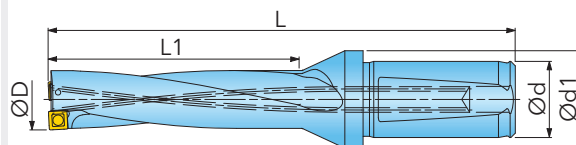
51 - 55 SM25-064-00 (1,1Nm) DS-T08S

56 - 60 SM35-088-60 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

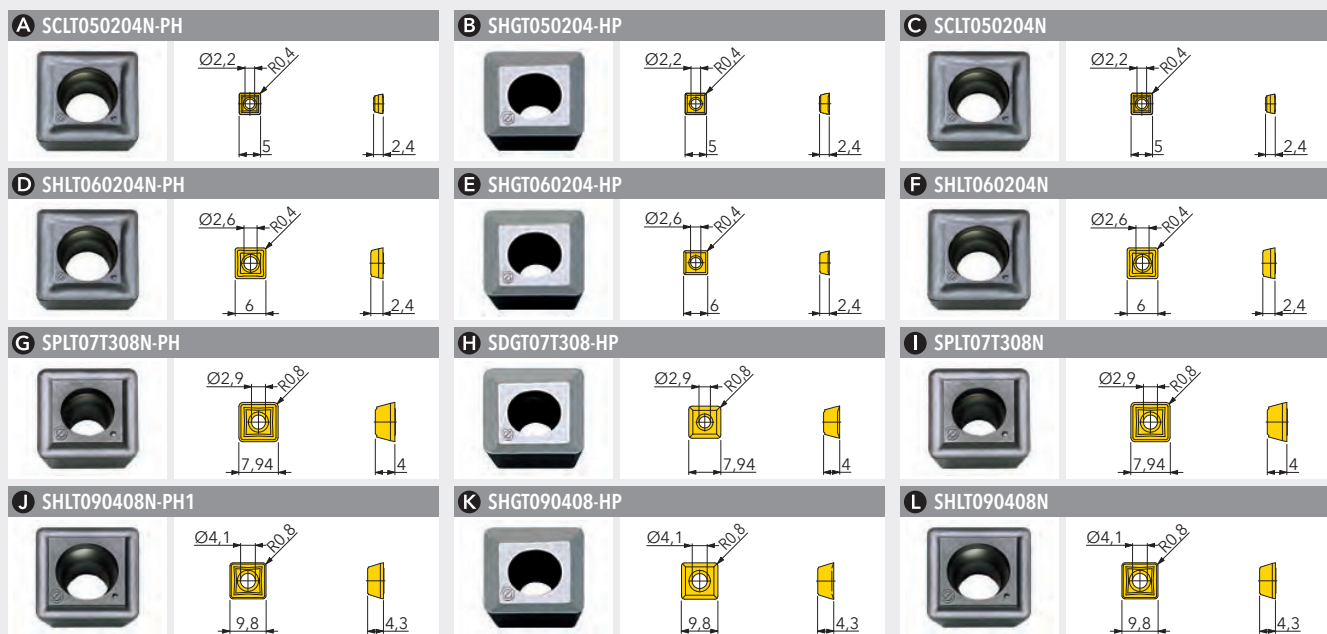
ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.013.006	13	20	25	70	52	2	1	✓	0,17	A B C
BS.014.006	14	20	25	74	56	2	1	✓	0,18	A B C
BS.015.008	15	20	25	79	60	2	1	✓	0,18	A B C
BS.016.007	16	25	32	84	64	2	1	✓	0,28	D E F
BS.017.005	17	25	32	88	68	2	1	✓	0,32	D E F
BS.018.007	18	25	32	93	72	2	1	✓	0,34	D E F
BS.019.006	19	25	32	97	76	2	1	✓	0,35	D E F
BS.020.009	20	25	32	103	80	2	1	✓	0,37	D E F
BS.021.005	21	25	32	107	84	2	1	✓	0,39	D E F
BS.022.009	22	25	32	111	88	2	1	✓	0,40	G H I
BS.023.010	23	25	45	117	92	2	1	✓	0,48	G H I
BS.024.012	24	25	45	122	96	2	1	✓	0,52	G H I
BS.025.015	25	25	45	127	100	2	1	✓	0,54	G H I
BS.026.010	26	25	45	131	104	2	1	✓	0,57	G H I
BS.027.011	27	25	45	135	108	2	1	✓	0,59	G H I
BS.028.008	28	25	45	140	112	2	1	✓	0,62	J K L
BS.029.010	29	32	45	144	116	2	1	✓	0,80	J K L

QUAD DRILL PLUS INDEXABLE DRILL 4D Ø13 - Ø29

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									

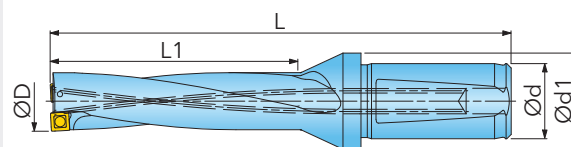
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS		①	②
Diameter Range			
13 - 15	SM20-043-00 (0,7Nm) DS-TP06S (TX-Plus)		
16 - 21	SM22-052-00 (0,8Nm) DS-T07S		
22 - 27	SM25-064-00 (1,1Nm) DS-T08S		
28 - 29	SM35-088-60 (3,0Nm) DS-T10S		

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.030.012	30	32	55	151	120	2	1	✓	0,94	A B C
BS.031.008	31	32	55	156	124	2	1	✓	0,97	A B C
BS.032.011	32	32	55	160	128	2	1	✓	1,04	A B C
BS.033.010	33	32	55	165	132	2	1	✓	1,09	A B C
BS.034.008	34	32	55	169	136	2	1	✓	1,13	D E F
BS.035.008	35	32	55	174	140	2	1	✓	1,17	D E F
BS.036.010	36	32	55	179	144	2	1	✓	1,23	D E F
BS.037.008	37	32	55	184	148	2	1	✓	1,29	D E F
BS.038.008	38	32	55	189	152	2	1	✓	1,34	D E F
BS.039.008	39	32	55	193	156	2	1	✓	1,41	D E F
BS.040.011	40	32	60	198	160	2	1	✓	1,50	D E F
BS.041.005	41	40	60	203	164	2	1	✓	1,86	D E F
BS.042.009	42	40	60	207	168	2	1	✓	1,94	G H I
BS.043.008	43	40	60	212	172	2	1	✓	2,02	G H I
BS.044.005	44	40	60	216	176	2	1	✓	2,10	G H I
BS.045.005	45	40	60	222	180	2	1	✓	2,19	G H I
BS.046.005	46	40	60	227	184	2	1	✓	2,30	G H I
BS.047.005	47	40	60	231	188	2	1	✓	2,37	G H I
BS.048.006	48	40	60	236	192	2	1	✓	2,47	G H I
BS.049.005	49	40	60	240	196	2	1	✓	2,59	G H I
BS.050.005	50	40	60	245	200	2	1	✓	2,64	G H I

QUAD DRILL PLUS INDEXABLE DRILL 4D Ø30-Ø50

DRILLS/THREAD MILLING

A SHLT090408N-PH1	
B SHGT090408-HP	
C SHLT090408N	
D SHLT110408N-PH1	
E SHGT110408-HP	
F SHLT110408N	
G SPLT140512N-PH	
H SDGT140512-HP	
I SPLT140512N	

Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

● = P

● = M

● = K

● = N

● = S

○ = H

SPARE PARTS



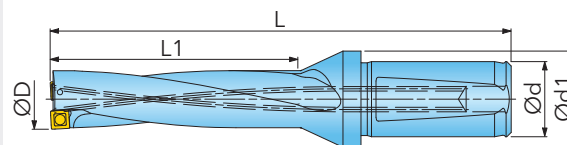
Diameter Range

30 - 33	SM35-088-60 (3,0Nm) DS-T10S
34 - 41	SM40-093-20 (4,5Nm) DS-T15S
42 - 50	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

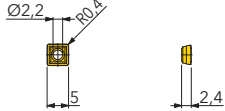
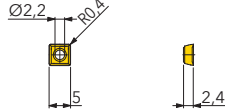
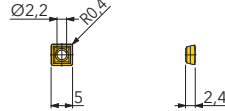
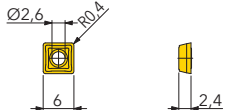
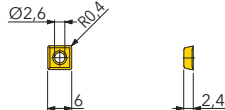
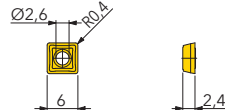
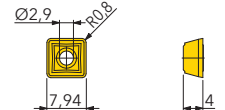
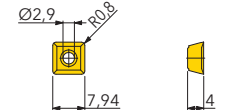
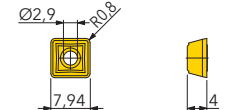
ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.013.008	13	20	25	83	65	2	1	✓	0,26	A B C
BS.014.007	14	20	25	88	70	2	1	✓	0,28	A B C
BS.015.010	15	20	25	94	75	2	1	✓	0,30	A B C
BS.016.014	16	25	32	100	80	2	1	✓	0,32	D E F
BS.017.007	17	25	32	105	85	2	1	✓	0,34	D E F
BS.018.011	18	25	32	111	90	2	1	✓	0,36	D E F
BS.019.008	19	25	32	116	95	2	1	✓	0,38	D E F
BS.020.016	20	25	32	123	100	2	1	✓	0,40	D E F
BS.021.007	21	25	32	128	105	2	1	✓	0,42	D E F
BS.022.010	22	25	32	133	110	2	1	✓	0,44	G H I
BS.023.011	23	25	45	140	115	2	1	✓	0,51	G H I
BS.024.014	24	25	45	146	120	2	1	✓	0,56	G H I
BS.025.018	25	25	45	152	125	2	1	✓	0,59	G H I
BS.026.012	26	25	45	157	130	2	1	✓	0,62	G H I
BS.027.012	27	25	45	162	135	2	1	✓	0,65	G H I

QUAD DRILL PLUS INDEXABLE DRILL 5D Ø13 - Ø27

DRILLS/THREAD MILLING

A SCLT050204N-PH			B SHGT050204-HP			C SCLT050204N					
											
D SHLT060204N-PH			E SHGT060204-HP			F SHLT060204N					
											
G SPLT07T308N-PH			H SDGT07T308-HP			I SPLT07T308N					
											
Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									

</

SPARE PARTS



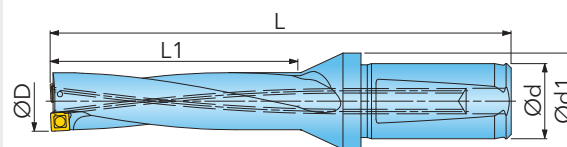
Diameter Range

13 - 15	SM20-043-00 (0,7Nm) DS-TP06S (TX-Plus)
16 - 21	SM22-052-00 (0,8Nm) DS-T07S
22 - 27	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 E



Designation	D	d	d1	L	L1	Z	Z _{eff}	IK	kg	Related Insert
BS.028.010	28	25	45	168	140	2	1	✓	0,68	A B C
BS.029.011	29	32	45	173	145	2	1	✓	0,86	A B C
BS.030.015	30	32	55	181	150	2	1	✓	1,04	A B C
BS.031.009	31	32	55	187	155	2	1	✓	1,08	A B C
BS.032.014	32	32	55	192	160	2	1	✓	1,14	A B C
BS.033.012	33	32	55	198	165	2	1	✓	1,20	A B C
BS.034.009	34	32	55	203	170	2	1	✓	1,26	D E F
BS.035.009	35	32	55	209	175	2	1	✓	1,29	D E F
BS.036.012	36	32	55	215	180	2	1	✓	1,39	D E F
BS.037.009	37	32	55	221	185	2	1	✓	1,40	D E F
BS.038.009	38	32	55	227	190	2	1	✓	1,50	D E F
BS.039.009	39	32	55	232	195	2	1	✓	1,56	D E F
BS.040.014	40	32	60	238	200	2	1	✓	1,68	D E F
BS.041.006	41	40	60	244	205	2	1	✓	2,08	D E F
BS.050.006	50	50	75	297	250	2	1	✓	3,81	G H I

QUAD DRILL PLUS INDEXABLE DRILL 5D Ø28 - Ø50

DRILLS/THREAD MILLING

A SHLT090408N-PH1	
B SHGT090408-HP	
C SHLT090408N	
D SHLT110408N-PH1	
E SHGT110408-HP	
F SHLT110408N	
G SPLT140512N-PH	
H SDGT140512-HP	
I SPLT140512N	

Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

</

SPARE PARTS



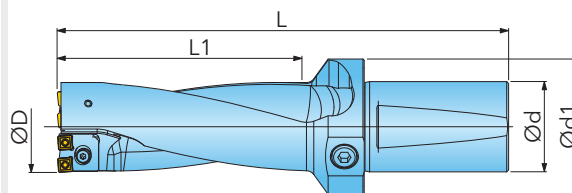
Diameter Range

28 - 33	SM35-088-60 (3,0Nm) DS-T10S
34 - 41	SM40-093-20 (4,5Nm) DS-T15S
50	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

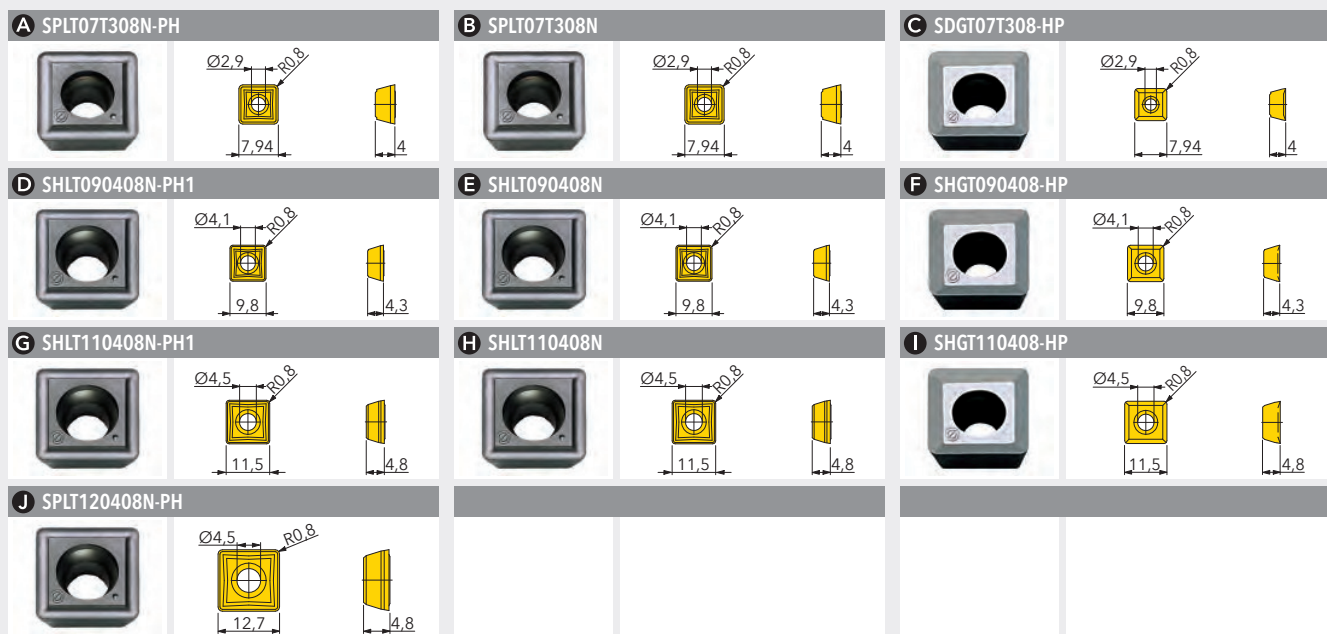
ADAPTION ACC. TO DIN 1835 E



Designation	D	D min.	D max.	d	d1	L	L1	Z	Ze _{eff}	Setting Plate			Related Insert
BS.051.004	51	51	53	50	75	170	133	4	1	-	✓	2,89	ABC
BS.051.004	52	51	53	50	75	170	133	4	1	PA-5108	✓	2,89	ABC
BS.051.004	53	51	53	50	75	170	133	4	1	PA-5109	✓	2,89	ABC
BS.054.003	54	54	56	50	75	180	140	4	1	-	✓	3,20	ABC
BS.054.003	55	54	56	50	75	180	140	4	1	PA-5108	✓	3,20	ABC
BS.054.003	56	54	56	50	75	180	140	4	1	PA-5109	✓	3,20	ABC
BS.057.003	57	57	62	50	75	201	155	4	1	-	✓	3,51	DEF
BS.057.003	58	57	62	50	75	201	155	4	1	PA-5110	✓	3,51	DEF
BS.057.003	59	57	62	50	75	201	155	4	1	PA-5111	✓	3,51	DEF
BS.057.003	60	57	62	50	75	201	155	4	1	PA-5112	✓	3,51	DEF
BS.057.003	61	57	62	50	75	201	155	4	1	PA-5113	✓	3,51	DEF
BS.057.003	62	57	62	50	75	201	155	4	1	PA-5114	✓	3,51	DEF
BS.063.002	63	63	66	50	75	215	165	4	1	-	✓	4,17	DEF
BS.063.002	64	63	66	50	75	215	165	4	1	PA-5110	✓	4,17	DEF
BS.063.002	65	63	66	50	75	215	165	4	1	PA-5111	✓	4,17	DEF
BS.063.002	66	63	66	50	75	215	165	4	1	PA-5112	✓	4,17	DEF
BS.067.002	67	67	73	50	75	240	183	4	1	-	✓	4,90	GHI
BS.067.002	68	67	73	50	75	240	183	4	1	PA-5115	✓	4,90	GHI
BS.067.002	69	67	73	50	75	240	183	4	1	PA-5116	✓	4,90	GHI
BS.067.002	70	67	73	50	75	240	183	4	1	PA-5117	✓	4,90	GHI
BS.067.002	71	67	73	50	75	240	183	4	1	PA-5118	✓	4,90	GHI
BS.067.002	72	67	73	50	75	240	183	4	1	PA-5119	✓	4,90	GHI
BS.067.002	73	67	73	50	75	240	183	4	1	PA-5120	✓	4,90	GHI
BS.074.001	74	74	80	50	75	250	200	4	1	-	✓	5,87	J
BS.074.001	75	74	80	50	75	250	200	4	1	PA-5115	✓	5,87	J
BS.074.001	76	74	80	50	75	250	200	4	1	PA-5116	✓	5,87	J
BS.074.001	77	74	80	50	75	250	200	4	1	PA-5117	✓	5,87	J
BS.074.001	78	74	80	50	75	250	200	4	1	PA-5118	✓	5,87	J
BS.074.001	79	74	80	50	75	250	200	4	1	PA-5119	✓	5,87	J
BS.074.001	80	74	80	50	75	250	200	4	1	PA-5120	✓	5,87	J

Included in delivery: body, cartridges and setting plates

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SPLT120408N-PH	0,08/0,28	positive geometry R0,8									

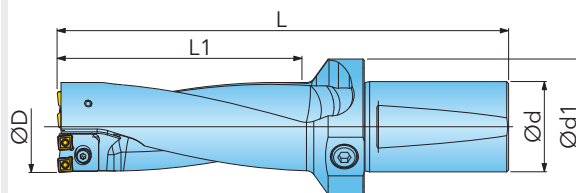
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS					
	①	②	③	④	⑤
Diameter Range					
51 - 53	55E212R01	55E192R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4x0.7x16
54 - 56	55E223R01	55E213R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4x0.7x16
57 - 62	55F243R02	55F233R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)MW 5.5X10
63 - 66	55F263R01	55F243R03	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)MW 5.5X10
67 - 73	55G294R01	55G264R01	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20
74 - 80	55H314R00	55H294R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20

① = Peripheral cartridge ② = Center cartridge ③ = Insert screw ④ = Screw driver ⑤ = Clamp screw ⑥ = Shim

DRILLS/THREAD MILLING

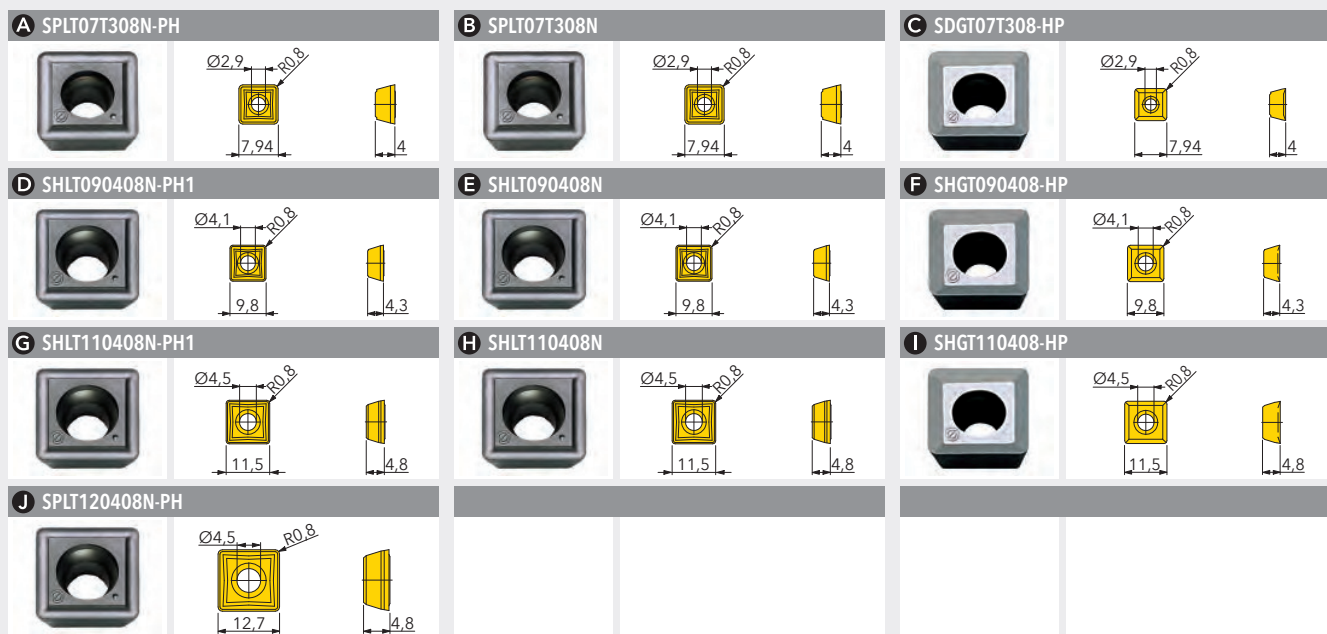
ADAPTION ACC. TO DIN 1835 E



Designation	D	D min.	D max.	d	d1	L	L1	Z	Ze _{eff}	Setting Plate			Related Insert
BS.051.005	51	51	53	50	75	223	186	4	1	-	✓	3,66	A B C
BS.051.005	52	51	53	50	75	223	186	4	1	PA-5108	✓	3,66	A B C
BS.051.005	53	51	53	50	75	223	186	4	1	PA-5109	✓	3,66	A B C
BS.054.004	54	54	56	50	75	236	196	4	1	-	✓	3,98	A B C
BS.054.004	55	54	56	50	75	236	196	4	1	PA-5108	✓	3,98	A B C
BS.054.004	56	54	56	50	75	236	196	4	1	PA-5109	✓	3,98	A B C
BS.057.004	57	57	62	50	75	263	217	4	1	-	✓	4,28	D E F
BS.057.004	58	57	62	50	75	263	217	4	1	PA-5110	✓	4,28	D E F
BS.057.004	59	57	62	50	75	263	217	4	1	PA-5111	✓	4,28	D E F
BS.057.004	60	57	62	50	75	263	217	4	1	PA-5112	✓	4,28	D E F
BS.057.004	61	57	62	50	75	263	217	4	1	PA-5113	✓	4,28	D E F
BS.057.004	62	57	62	50	75	263	217	4	1	PA-5114	✓	4,28	D E F
BS.063.003	63	63	66	50	75	281	231	4	1	-	✓	5,60	D E F
BS.063.003	64	63	66	50	75	281	231	4	1	PA-5110	✓	5,60	D E F
BS.063.003	65	63	66	50	75	281	231	4	1	PA-5111	✓	5,60	D E F
BS.063.003	66	63	66	50	75	281	231	4	1	PA-5112	✓	5,60	D E F
BS.067.003	67	67	73	50	75	313	256	4	1	-	✓	6,40	G H I
BS.067.003	68	67	73	50	75	313	256	4	1	PA-5115	✓	6,40	G H I
BS.067.003	69	67	73	50	75	313	256	4	1	PA-5116	✓	6,40	G H I
BS.067.003	70	67	73	50	75	313	256	4	1	PA-5117	✓	6,40	G H I
BS.067.003	71	67	73	50	75	313	256	4	1	PA-5118	✓	6,40	G H I
BS.067.003	72	67	73	50	75	313	256	4	1	PA-5119	✓	6,40	G H I
BS.067.003	73	67	73	50	75	313	256	4	1	PA-5120	✓	6,40	G H I
BS.074.002	74	74	80	50	75	330	280	4	1	-	✓	7,66	J
BS.074.002	75	74	80	50	75	330	280	4	1	PA-5115	✓	7,66	J
BS.074.002	76	74	80	50	75	330	280	4	1	PA-5116	✓	7,66	J
BS.074.002	77	74	80	50	75	330	280	4	1	PA-5117	✓	7,66	J
BS.074.002	78	74	80	50	75	330	280	4	1	PA-5118	✓	7,66	J
BS.074.002	79	74	80	50	75	330	280	4	1	PA-5119	✓	7,66	J
BS.074.002	80	74	80	50	75	330	280	4	1	PA-5120	✓	7,66	J

Included in delivery: body, cartridges and setting plates

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SPLT120408N-PH	0,08/0,28	positive geometry R0,8									

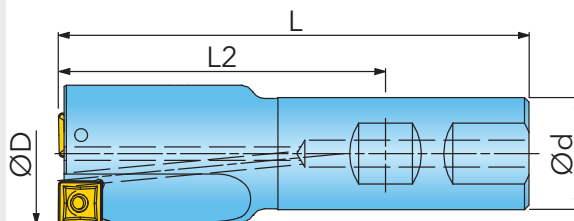
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS		①	②	③	④	⑤	⑥
Diameter Range							
51 - 53	55E212R01	55E192R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4x0.7x16	MW 4.3X8	
54 - 56	55E223R01	55E213R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4x0.7x16	MW 4.3X8	
57 - 62	55F243R02	55F233R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	
63 - 66	55F263R01	55F243R03	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	
67 - 73	55G294R01	55G264R01	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12	
74 - 80	55H314R00	55H294R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12	

① = Peripheral cartridge ② = Center cartridge ③ = Insert screw ④ = Screw driver ⑤ = Clamp screw ⑥ = Shim

DRILLS/THREAD MILLING

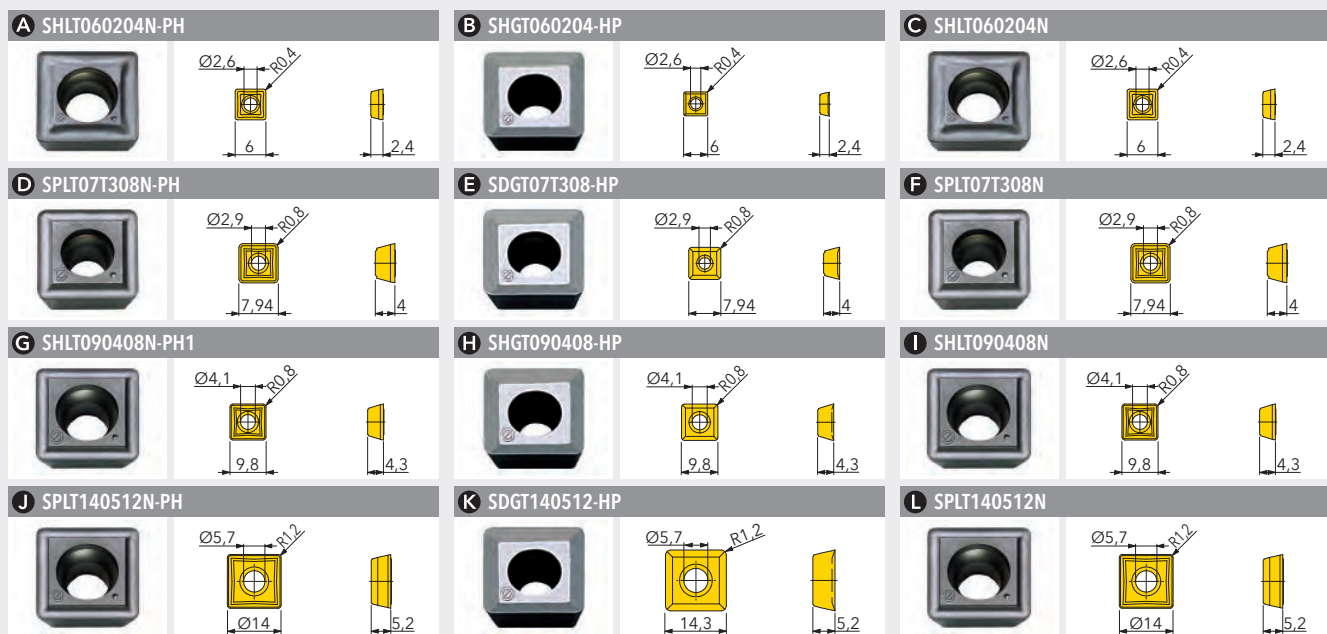
ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z	Zeff	IK	kg	Related Insert
BS.016.008	16	20	75	16	50	5,4	2	1	✓	0,14	A B C
BS.020.011	20	20	85	20	60	5,4	2	1	✓	0,16	A B C
BS.025.010	25	25	95	25	63	7,0	2	1	✓	0,28	D E F
BS.030.009	30	25	105	30	73	8,9	2	1	✓	0,35	G H I
BS.032.008	32	25	105	32	73	8,9	2	1	✓	0,37	G H I
BS.040.009	40	32	120	40	84	13,0	2	1	✓	0,68	J K L

QUAD DRILL PLUS BSD03A

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

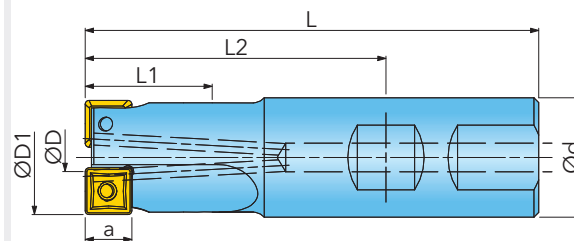
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS		①	②
Diameter Range			
16 - 20	SM22-052-00 (0,8Nm) DS-T07S		
25	SM25-064-00 (1,1Nm) DS-T08S		
30 - 32	SM35-088-60 (3,0Nm) DS-T10S		
40	SM50-122-50 (7,5Nm) DS-T20S		

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	D1	d	L	L1	L2	a	Z	IK	kg	Related Insert
BS.010.001	10	4,5	12	70	10	47,5	4,5	1	✓	0,10	A B C
BS.011.001	11	4,5	12	70	11	47,5	4,5	1	✓	0,10	A B C
BS.013.007	13	4,5	16	75	13	51	4,5	2	✓	0,11	A B C
BS.015.002	15	4,5	20	75	15	50	5,4	2	✓	0,13	D E F
BS.018.008	18	7,5	20	75	18	50	5,4	2	✓	0,14	D E F
BS.020.010	20	9,5	20	85	20	60	5,4	2	✓	0,16	D E F
BS.024.007	24	6,5	25	95	24	63	7,0	2	✓	0,27	G H I
BS.026.007	26	5,0	25	100	26	68	10,5	2	✓	0,29	J K L
BS.030.008	30	9,0	25	105	30	73	10,5	2	✓	0,35	J K L
BS.033.007	33	12,0	25	105	33	73	10,5	2	✓	0,38	J K L
BS.036.007	36	15,0	32	110	36	74	10,5	3	✓	0,56	J K L
BS.040.008	40	14,5	32	120	40	84	13	3	✓	0,62	M N O
BS.048.007	48	22,0	40	130	48	90	13	3	✓	1,10	M N O

Diameter D1 corresponds with the minimum diameter of the through hole

SPARE PARTS



Diameter Range

10 - 13	SM20-043-00 (0,7Nm) DS-TP06S (TX-Plus)
15 - 20	SM22-052-00 (0,8Nm) DS-T07S
24	SM35-088-60 (3,0Nm) DS-T10S
26 - 36	SM40-093-20 (4,5Nm) DS-T15S
40 - 48	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

QUAD DRILL PLUS BSD03B

DRILLS/THREAD MILLING

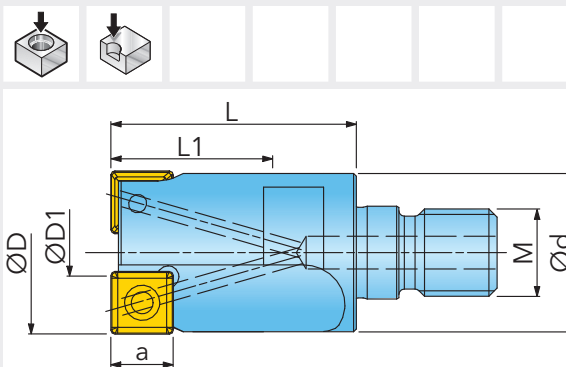


Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

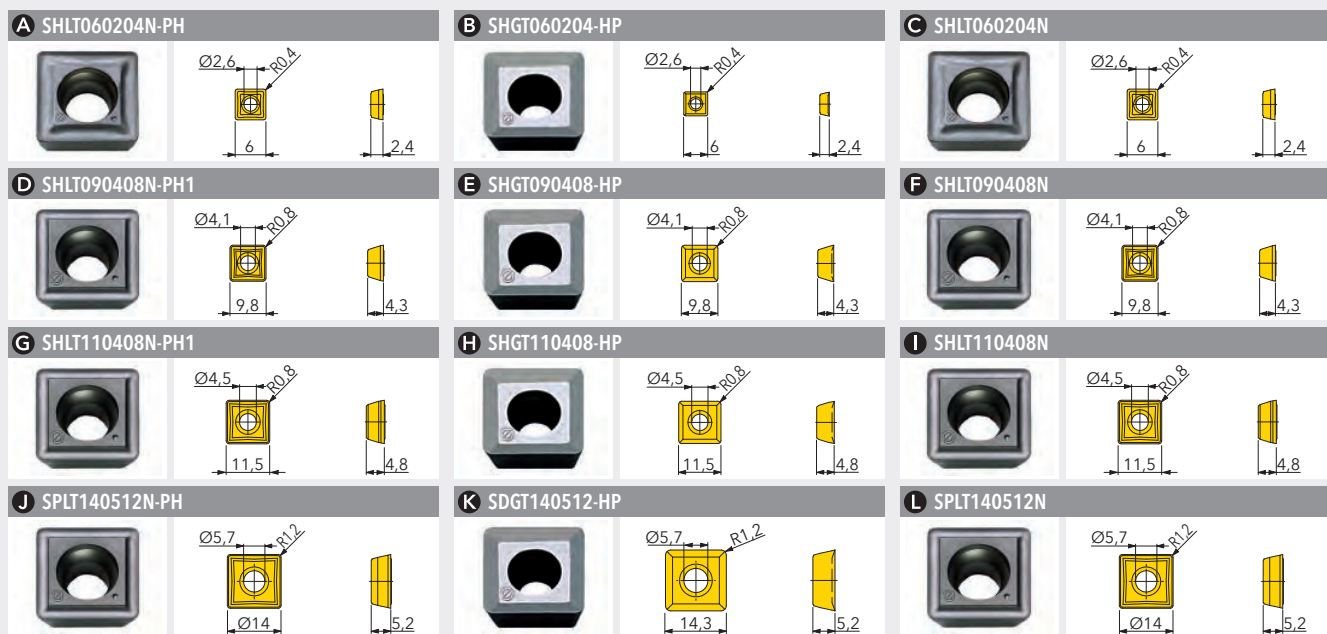
SCREW-IN TYPE ADAPTION



Designation	D	D1	d1	L	L1	a	M	Z	IK	kg	Related Insert
BS.015.009	15	4,5	13	30	15	4,5	M8	2	✓	0,03	A B C
BS.018.010	18	7,5	13	30	18	4,5	M8	2	✓	0,04	A B C
BS.020.013	20	9,5	18	35	20	4,5	M10	2	✓	0,06	A B C
BS.024.013	24	6,5	21	35	24	5,4	M12	2	✓	0,07	D E F
BS.026.011	26	5,0	21	40	26	7,0	M12	2	✓	0,08	G H I
BS.030.014	30	9,0	29	45	30	7,0	M16	2	✓	0,15	G H I
BS.033.011	33	12,0	29	50	33	7,0	M16	2	✓	0,20	G H I
BS.036.011	36	15,0	29	50	36	7,0	M16	2	✓	0,24	G H I
BS.040.012	40	14,5	29	60	40	10,5	M16	2	✓	0,30	J K L
BS.048.008	48	22,0	29	70	48	10,5	M16	2	✓	0,50	J K L

Diameter D1 corresponds with the minimum diameter of the through hole

DRILLS/THREAD MILLING



Designation	fz(min/max)	Design	Grade	IN10K	IN2005	IN2010	IN2530				
SHLT060204N-PH	0,06/0,20	positive geometry R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



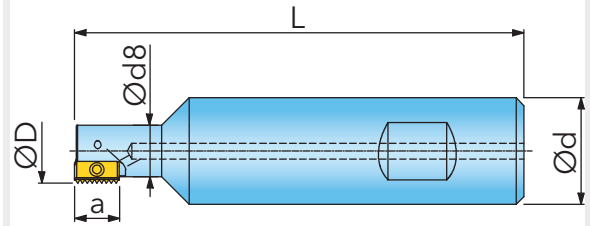
Diameter Range

15 - 20	SM22-052-00 (0,8Nm) DS-T07S
24	SM35-088-60 (3,0Nm) DS-T10S
26 - 36	SM40-093-20 (4,5Nm) DS-T15S
40 - 48	SM50-122-50 (7,5Nm) DS-T20S

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	d8	L	L1	a	Z	IK	kg
12Y1H009035W4R00	9,5	20	7,5	85	14	12	1	✓	0,165
12Y1H010035W4R00	9,9	20	7,2	85	16	12	1	✓	0,175

RAPID-THREAD END MILL WELDON SHANK (A=12MM)

SPARE PARTS



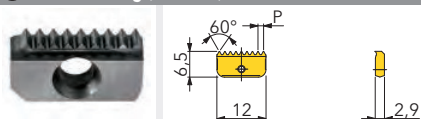
IS12 (1,3Nm)

IK12

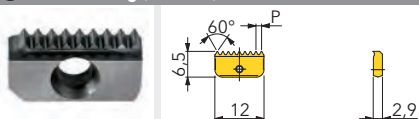
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

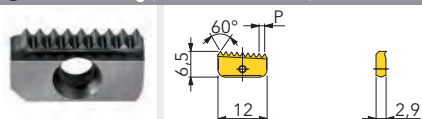
A ISO-threading (internal)



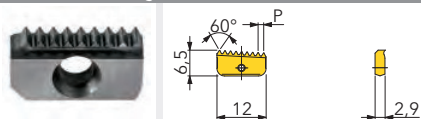
B UN-threading (internal)



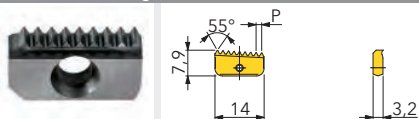
C NPT-threading (internal & external)



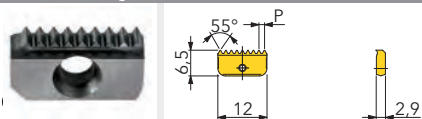
D NPTF-threading (internal & external)



E BSPT-threading (internal & external)



BSP-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYEU12050IS-1	0,5	A	
LYEU12075IS-1	0,75	A	
LYEU12100IS-1	1	A	
LYEU12125IS-1	1,25	A	
LYEU12150IS-1	1,5	A	

UN-threading (internal)

LYEU12320UN-1	32	B	
LYEU12280UN-1	28	B	
LYEU12240UN-1	24	B	
LYEU12200UN-1	20	B	

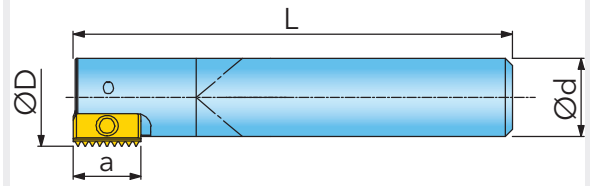
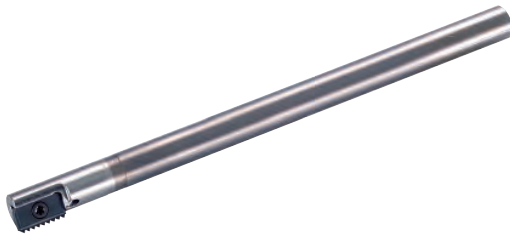
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYEU12180UN-1	18	B	
LYEU12160UN-1	16	B	
NPT-threading (internal & external)			
LYEU12180NT-1	18	C	
NPTF-threading (internal & external)			
LYEU12180NF-1	18	D	
BSPT-threading (internal & external)			
LYEU12190BT-1	19	E	
BSP-threading (internal & external)			
LYEU12190BW-1	19	F	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 A



Designation	D	d	L	a	Z	kg
12Y5H009089TOR00	9,9	8	125	12	1	0,095

RAPID-THREAD END MILL CARBIDE SHANK (A=12MM)

SPARE PARTS



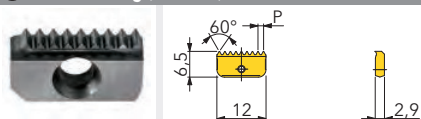
IS12 (1,3Nm)

IK12

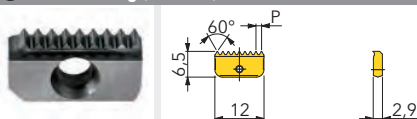
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

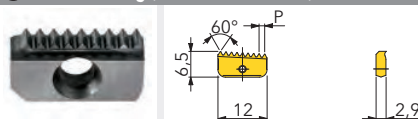
A ISO-threading (internal)



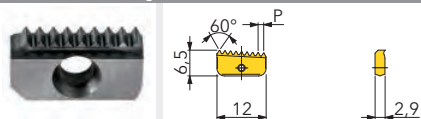
B UN-threading (internal)



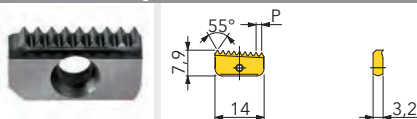
C NPT-threading (internal & external)



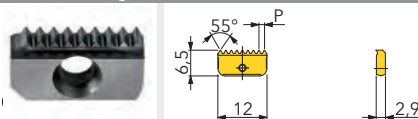
D NPTF-threading (internal & external)



E BSPT-threading (internal & external)



BSP-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYEU12050IS-1	0,5	A	
LYEU12075IS-1	0,75	A	
LYEU12100IS-1	1	A	
LYEU12125IS-1	1,25	A	
LYEU12150IS-1	1,5	A	

UN-threading (internal)

LYEU12320UN-1	32	B	
LYEU12280UN-1	28	B	
LYEU12240UN-1	24	B	
LYEU12200UN-1	20	B	

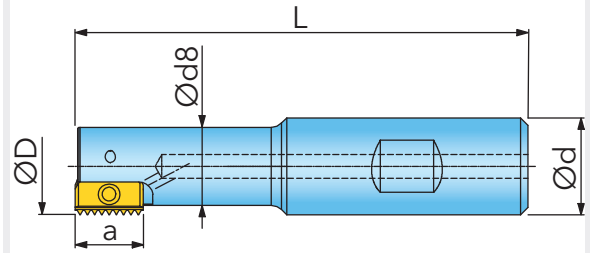
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYEU12180UN-1	18	B	
LYEU12160UN-1	16	B	
NPT-threading (internal & external)			
LYEU12180NT-1	18	C	
NPTF-threading (internal & external)			
LYEU12180NF-1	18	D	
BSPT-threading (internal & external)			
LYEU12190BT-1	19	E	
BSP-threading (internal & external)			
LYEU12190BW-1	19	F	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	d8	L	L1	a	Z	IK	kg
12Y1J012025W4R00	12	20	8,9	75	20	14	1	✓	0,135
12Y1J014035W4R00	14,5	20	11,2	85	25	14	1	✓	0,160
12Y1J017035W4R00	17	20	13,4	85	30	14	1	✓	0,160
12Y1J020043W4R00	20	20	16	93	41	14	2	✓	0,180

RAPID-THREAD END MILL WELDON SHANK (A=14MM)

SPARE PARTS

①



②



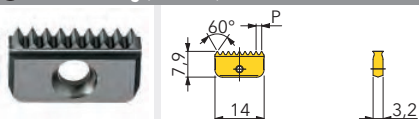
S11 (1,3Nm)

IK14

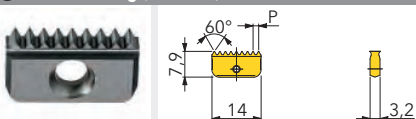
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

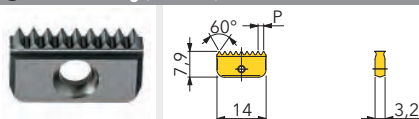
A ISO-threading (internal)



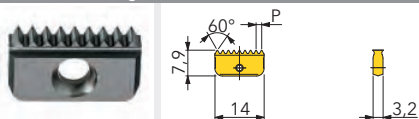
B ISO-threading (external)



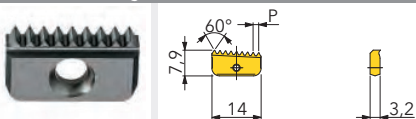
C UN-threading (internal)



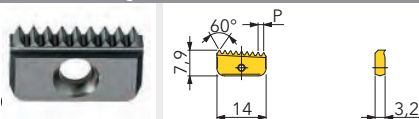
D UN-threading (external)



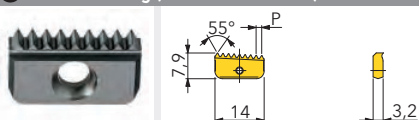
E NPT-threading (internal & external)



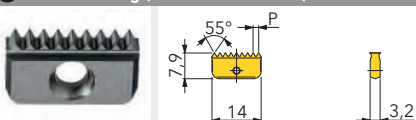
NPFT-threading (internal & external)



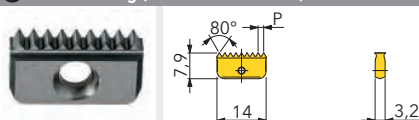
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU14050IS-1	0,5	A	
LYEU14075IS-1	0,75	A	
LYEU14100IS-1	1	A	
LYEU14125IS-1	1,25	A	
LYEU14150IS-1	1,5	A	
LYEU14175IS-1	1,75	A	
LYEU14200IS-1	2	A	
LYEU14250IS-1	2,5	A	

ISO-threading (external)

LYEU14075IS-X-1	0,75	B	
LYEU14100IS-X-1	1	B	
LYEU14125IS-X-1	1,25	B	
LYEU14150IS-X-1	1,5	B	
LYEU14175IS-X-1	1,75	B	
LYEU14200IS-X-1	2	B	
LYEU14250IS-X-1	2,5	B	

UN-threading (internal)

LYEU14320UN-1	32	C	
LYEU14280UN-1	28	C	
LYEU14270UN-1	27	C	
LYEU14240UN-1	24	C	
LYEU14200UN-1	20	C	
LYEU14180UN-1	18	C	
LYEU14160UN-1	16	C	
LYEU14140UN-1	14	C	
LYEU14120UN-1	12	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU14100UN-1

10 **C**

UN-threading (external)

LYEU14320UN-X-1	32	D	
LYEU14280UN-X-1	28	D	
LYEU14240UN-X-1	24	D	
LYEU14200UN-X-1	20	D	
LYEU14180UN-X-1	18	D	
LYEU14160UN-X-1	16	D	
LYEU14140UN-X-1	14	D	
LYEU14120UN-X-1	12	D	

NPT-threading (internal & external)

LYEU14180NT-1	18	E	
LYEU14140NT-1	14	E	

NPFT-threading (internal & external)

LYEU14180NF-1	18	F	
LYEU14140NF-1	14	F	

BSPT-threading (internal & external)

LYEU14190BT-1	19	G	
LYEU14140BT-1	14	G	

BSP-threading (internal & external)

LYEU14240BW-1	24	H	
LYEU14200BW-1	20	H	
LYEU14190BW-1	19	H	
LYEU14160BW-1	16	H	
LYEU14140BW-1	14	H	

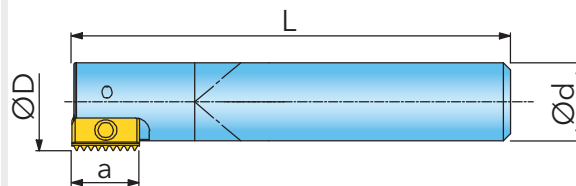
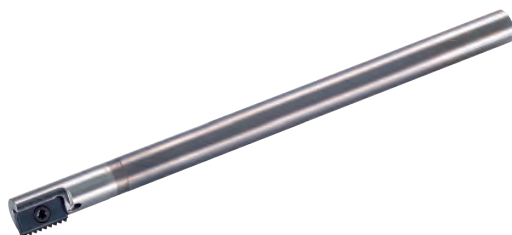
PG-threading (internal & external)

LYEU14180PG-1	18	I	
---------------	----	----------	--

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 A



Designation	D	d	L	a	Z	IK	kg
12Y5J013070T1R00	13,2	10	110	14	1	✓	0,092
12Y5J013110T1R00	13,2	10	150	14	1	✓	0,165
12Y5J015130T2R00	15,2	12	175	14	1	✓	0,260

RAPID-THREAD END MILL CARBIDE SHANK (A = 14MM)

SPARE PARTS

①



②



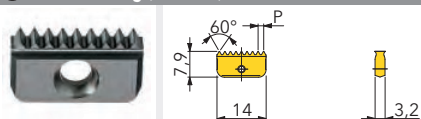
S11 (1,3Nm)

IK14

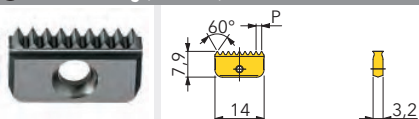
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

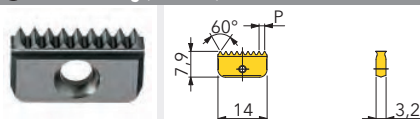
A ISO-threading (internal)



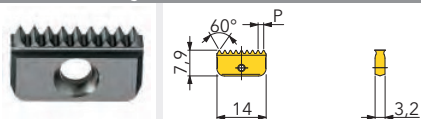
B ISO-threading (external)



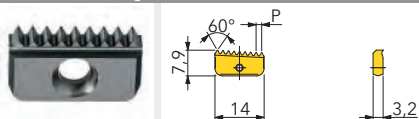
C UN-threading (internal)



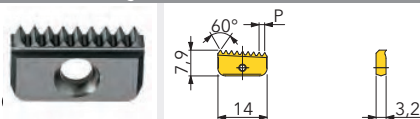
D UN-threading (external)



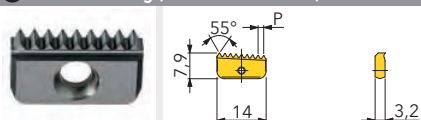
E NPT-threading (internal & external)



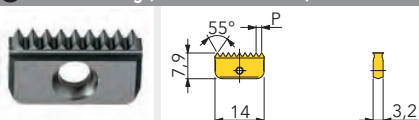
NPFT-threading (internal & external)



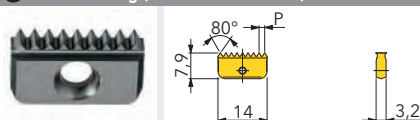
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU14050IS-1	0,5	A	
LYEU14075IS-1	0,75	A	
LYEU14100IS-1	1	A	
LYEU14125IS-1	1,25	A	
LYEU14150IS-1	1,5	A	
LYEU14175IS-1	1,75	A	
LYEU14200IS-1	2	A	
LYEU14250IS-1	2,5	A	

ISO-threading (external)

LYEU14075IS-X-1	0,75	B	
LYEU14100IS-X-1	1	B	
LYEU14125IS-X-1	1,25	B	
LYEU14150IS-X-1	1,5	B	
LYEU14175IS-X-1	1,75	B	
LYEU14200IS-X-1	2	B	
LYEU14250IS-X-1	2,5	B	

UN-threading (internal)

LYEU14320UN-1	32	C	
LYEU14280UN-1	28	C	
LYEU14270UN-1	27	C	
LYEU14240UN-1	24	C	
LYEU14200UN-1	20	C	
LYEU14180UN-1	18	C	
LYEU14160UN-1	16	C	
LYEU14140UN-1	14	C	
LYEU14120UN-1	12	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU14100UN-1

UN-threading (external)			
LYEU14320UN-X-1	32	D	
LYEU14280UN-X-1	28	D	
LYEU14240UN-X-1	24	D	
LYEU14200UN-X-1	20	D	
LYEU14180UN-X-1	18	D	
LYEU14160UN-X-1	16	D	
LYEU14140UN-X-1	14	D	
LYEU14120UN-X-1	12	D	

NPT-threading (internal & external)

LYEU14180NT-1	18	E	
LYEU14140NT-1	14	E	

NPFT-threading (internal & external)

LYEU14180NF-1	18	F	
LYEU14140NF-1	14	F	

BSPT-threading (internal & external)

LYEU14190BT-1	19	G	
LYEU14140BT-1	14	G	

BSP-threading (internal & external)

LYEU14240BW-1	24	H	
LYEU14200BW-1	20	H	
LYEU14190BW-1	19	H	
LYEU14160BW-1	16	H	
LYEU14140BW-1	14	H	

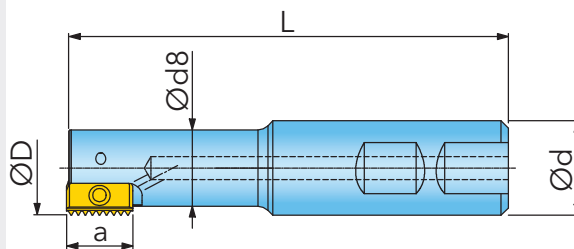
PG-threading (internal & external)

LYEU14180PG-1	18	I	
---------------	----	---	--

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	d8	L	L1	a	Z	IK	kg
12Y1N018035W4R00 ¹⁾	18	20	14,4	85	30	21	1	✓	0,165
12Y1N021044W4R00	21	20	16,5	94	40	21	1	✓	0,185
12Y1N025075W4R00	25	20	-	125	-	21	1	✓	0,300
12Y1N030052W5R00	30	25	24	108	52	21	2	✓	0,370

¹⁾not with insert LYEU21350IS

RAPID-THREAD END MILL WELDON SHANK (A=21MM)

SPARE PARTS



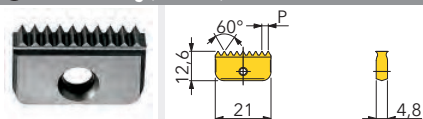
IS21 (5,2Nm)

IK21

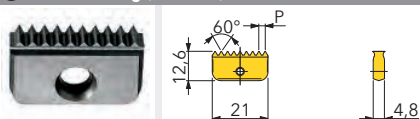
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

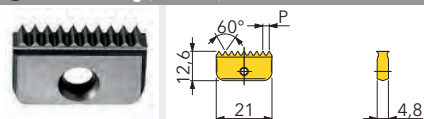
A ISO-threading (internal)



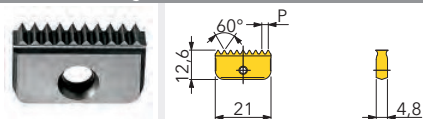
B ISO-threading (external)



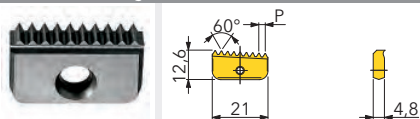
C UN-threading (internal)



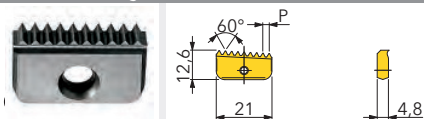
D UN-threading (external)



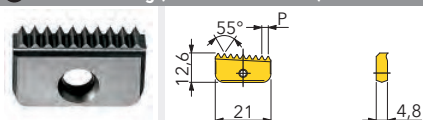
E NPT-threading (internal & external)



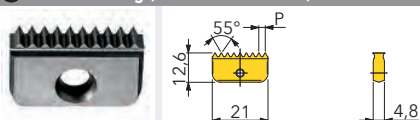
NPTF-threading (internal & external)



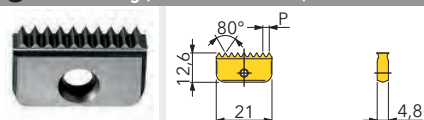
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	

ISO-threading (external)

LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	

UN-threading (internal)

LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	

UN-threading (external)

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	

NPT-threading (internal & external)

LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	

NPTF-threading (internal & external)

LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	

BSPT-threading (internal & external)

LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	

BSP-threading (internal & external)

LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21160BW	16	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	

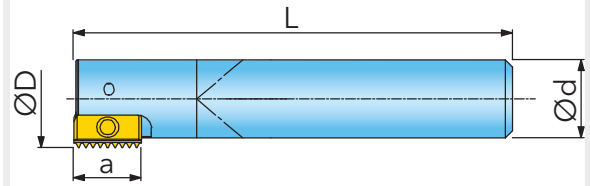
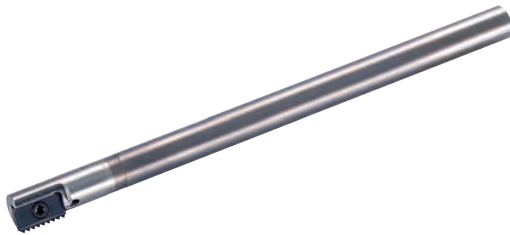
PG-threading (internal & external)

LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 A



Designation	D	d	L	a	Z	IK	kg
12Y5N021082T3R00	21	16	130	21	1	✓	0,278
12Y5N021152T3R00	21	16	200	21	1	✓	0,545

RAPID-THREAD END MILL CARBIDE SHANK (A=21MM)

SPARE PARTS



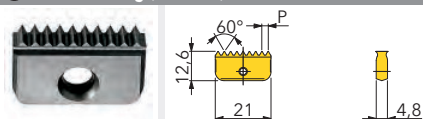
IS21 (5,2Nm)

IK21

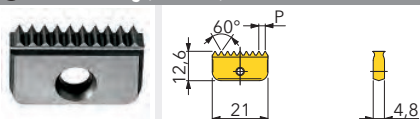
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

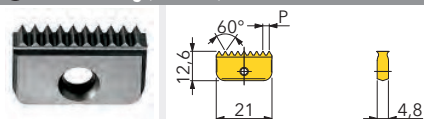
A ISO-threading (internal)



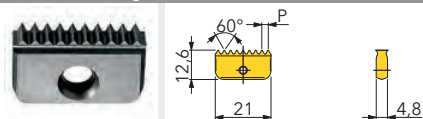
B ISO-threading (external)



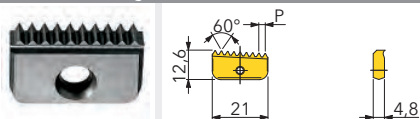
C UN-threading (internal)



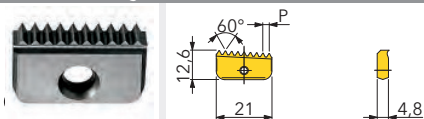
D UN-threading (external)



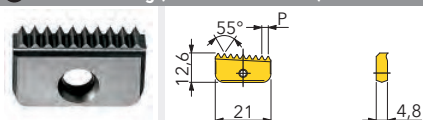
E NPT-threading (internal & external)



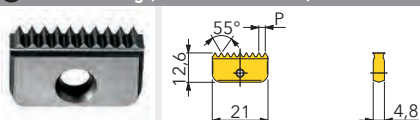
NPTF-threading (internal & external)



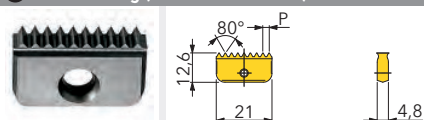
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	

ISO-threading (external)

LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	

UN-threading (internal)

LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	

UN-threading (external)

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	

NPT-threading (internal & external)

LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	

NPTF-threading (internal & external)

LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	

BSPT-threading (internal & external)

LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	

BSP-threading (internal & external)

LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21160BW	16	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	

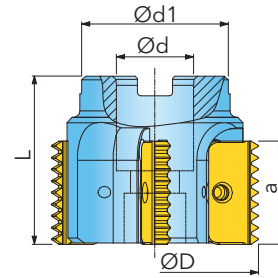
PG-threading (internal & external)

LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	a	Z	kg
12Y1N063050F1R00	63	22	40	50	21	5	0,720

RAPID-THREAD SHELL MILL (A=21MM)

SPARE PARTS



IS21 (5,2Nm)

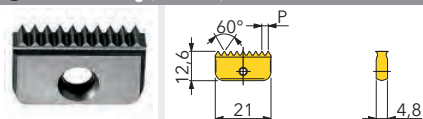


IK21

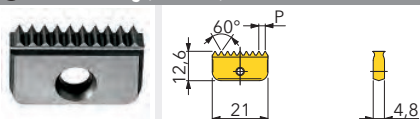
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

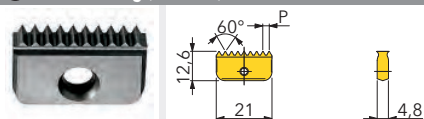
A ISO-threading (internal)



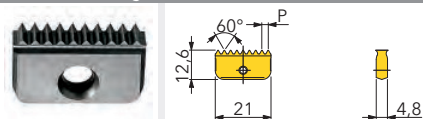
B ISO-threading (external)



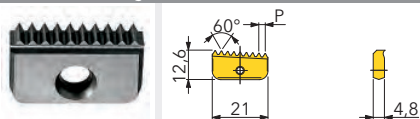
C UN-threading (internal)



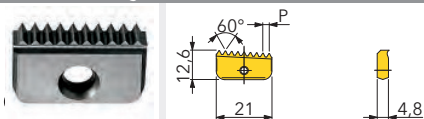
D UN-threading (external)



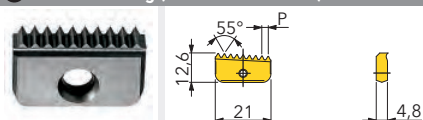
E NPT-threading (internal & external)



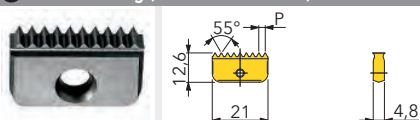
NPTF-threading (internal & external)



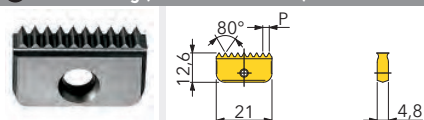
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	

ISO-threading (external)

LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	

UN-threading (internal)

LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	

UN-threading (external)

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	

NPT-threading (internal & external)

LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	

NPTF-threading (internal & external)

LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	

BSPT-threading (internal & external)

LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	

BSP-threading (internal & external)

LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21160BW-1	16	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	

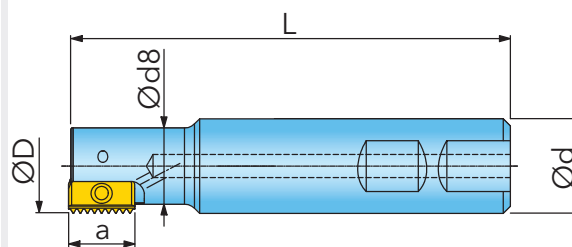
PG-threading (internal & external)

LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	d8	L	L1	a	Z	IK	kg
12Y1S029054W5R00	29	25	23	110	50	30	1	✓	0,350
12Y1S031094W5R00	31	25	-	150	-	30	1	✓	0,520
12Y1S038090W6R00	38	32	-	150	-	30	1	✓	0,890
12Y1S040070W6R00	40	32	30	130	70	30	2	✓	0,690

RAPID-THREAD END MILL WELDON SHANK (A=30MM)

SPARE PARTS



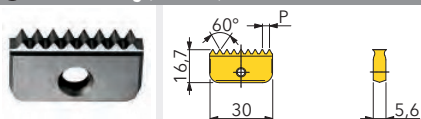
IS30 (10,0Nm)

IK30

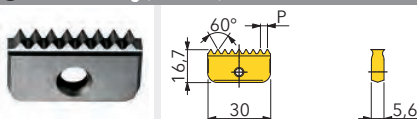
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

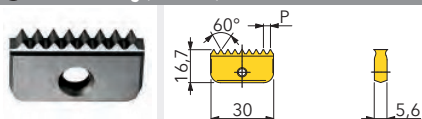
A ISO-threading (internal)



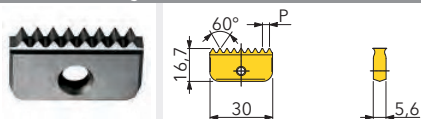
B ISO-threading (external)



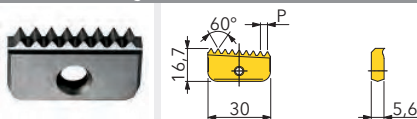
C UN-threading (internal)



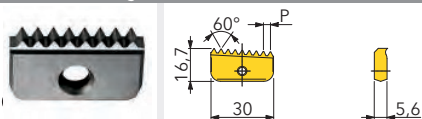
D UN-threading (external)



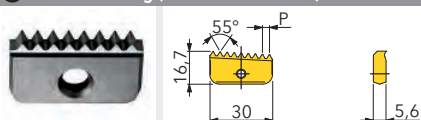
E NPT-threading (internal & external)



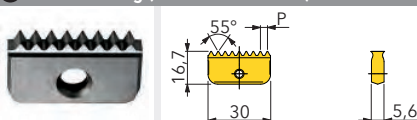
NPTF-threading (internal & external)



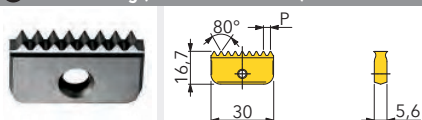
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	

ISO-threading (external)

LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	

UN-threading (internal)

LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

UN-threading (external)

LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	

NPT-threading (internal & external)

LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	

NPTF-threading (internal & external)

LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	

BSPT-threading (internal & external)

LYEU30110BT-1	11	G	
---------------	----	----------	--

BSP-threading (internal & external)

LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	

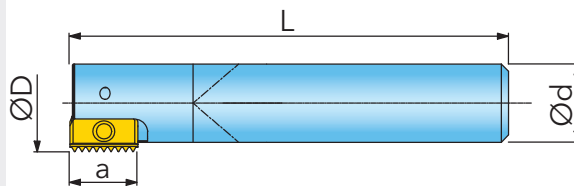
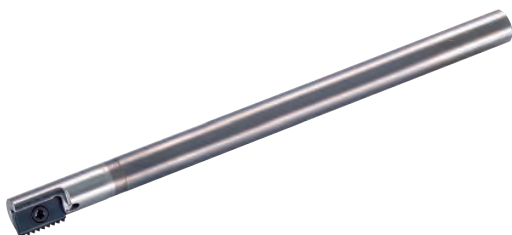
PG-threading (internal & external)

LYEU30160PG-1	16	I	
---------------	----	----------	--

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 A



Designation

D

d

L

a

Z



12Y5S027220T4R00

27

20

270

30

1



1,075

RAPID-THREAD END MILL CARBIDE SHANK (A=30MM)

SPARE PARTS

①



②



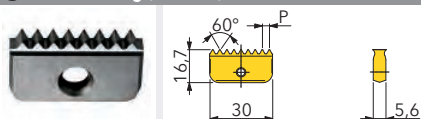
IS30 (10,0Nm)

IK30

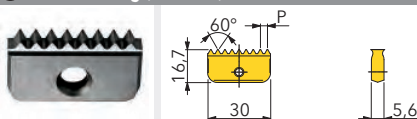
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

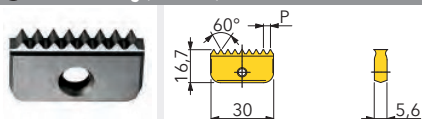
A ISO-threading (internal)



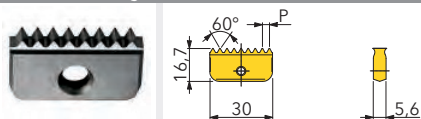
B ISO-threading (external)



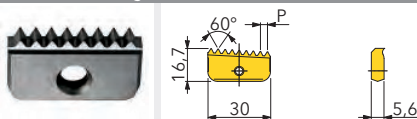
C UN-threading (internal)



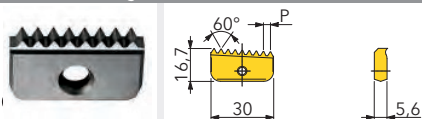
D UN-threading (external)



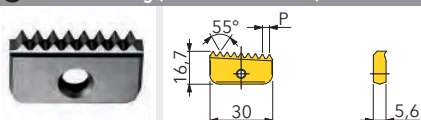
E NPT-threading (internal & external)



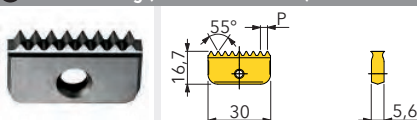
NPTF-threading (internal & external)



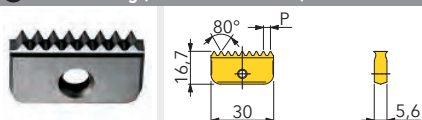
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	

ISO-threading (external)

LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	

UN-threading (internal)

LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

UN-threading (external)

LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	

NPT-threading (internal & external)

LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	

NPTF-threading (internal & external)

LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	

BSPT-threading (internal & external)

LYEU30110BT-1	11	G	
---------------	----	---	--

BSP-threading (internal & external)

LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	

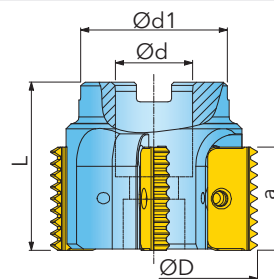
PG-threading (internal & external)

LYEU30160PG-1	16	I	
---------------	----	---	--

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	a	Z	kg
12Y1S063050F1R00	63	22	55	50	30	4	0,675
12Y1S080055F2R00	80	27	58	55	30	4	1,220
12Y1S100060F3R00	100	32	66	60	30	4	2,160

RAPID-THREAD SHELL MILL (A=30MM)

SPARE PARTS



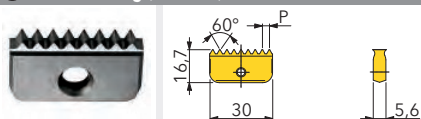
IS30 (10,0Nm)

IK30

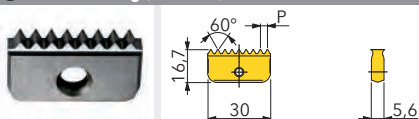
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

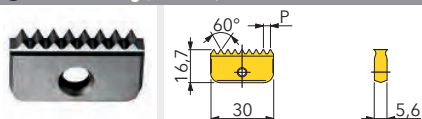
A ISO-threading (internal)



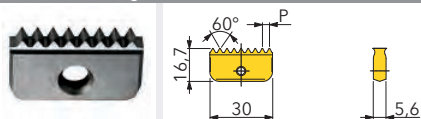
B ISO-threading (external)



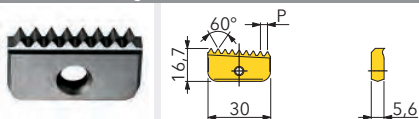
C UN-threading (internal)



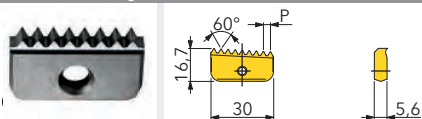
D UN-threading (external)



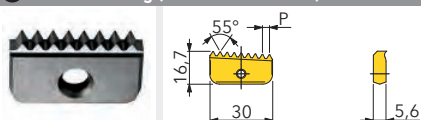
E NPT-threading (internal & external)



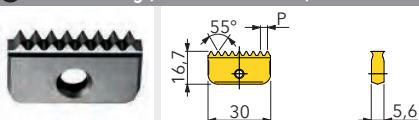
NPTF-threading (internal & external)



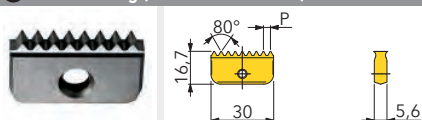
G BSPT-threading (internal & external)



H BSP-threading (internal & external)



I PG-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	

ISO-threading (external)

LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	

UN-threading (internal)

LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

UN-threading (external)

LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	

NPT-threading (internal & external)

LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	

NPTF-threading (internal & external)

LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	

BSPT-threading (internal & external)

LYEU30110BT-1	11	G	
---------------	----	---	--

BSP-threading (internal & external)

LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	

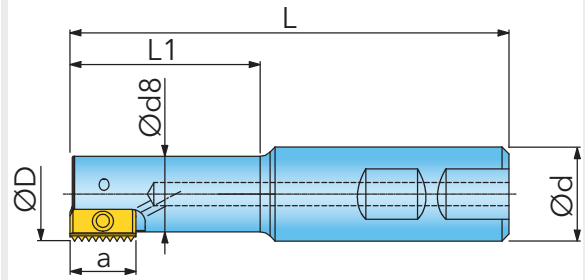
PG-threading (internal & external)

LYEU30160PG-1	16	I	
---------------	----	---	--

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

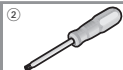
ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	d8	L	L1	a	Z	IK	kg
12Y1U048083W7R00	48	40	35	153	78	40	1	✓	1,200
12Y1U050083W7R00	50	40	38	153	78	40	2	✓	1,215

RAPID-THREAD END MILL WELDON SHANK (A=40MM)

SPARE PARTS



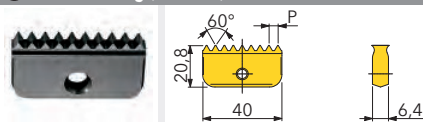
IS40 (10,0Nm)

IK40

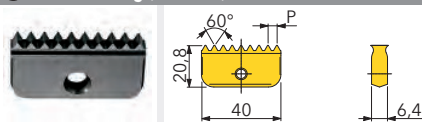
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

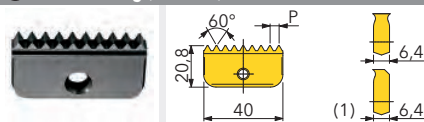
A ISO-threading (internal)



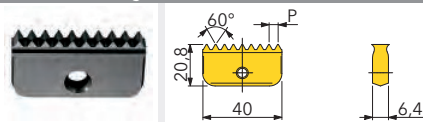
B ISO-threading (external)



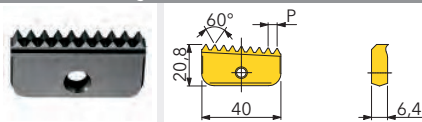
C UN-threading (internal)



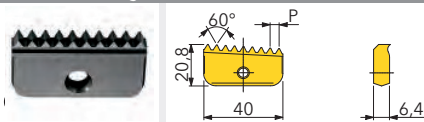
D UN-threading (external)



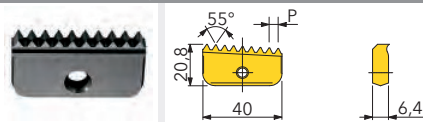
E NPT-threading (internal & external)



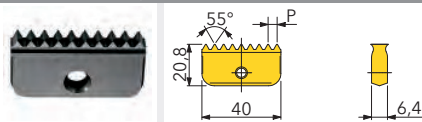
NPTF-threading (internal & external)



G BSPT-threading (internal & external)



H BSP-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

ISO-threading (internal)

LYEU40150IS-1	1,5	A	
LYEU40200IS-1	2	A	
LYEU40300IS-1	3	A	
LYEU40350IS-1	3,5	A	
LYEU40400IS-1	4	A	
LYEU40450IS-1	4,5	A	
LYEU40500IS-1	5	A	
LYEU40550IS-1	5,5	A	
LYEU40600IS-1	6	A	

ISO-threading (external)

LYEU40150IS-X-1	1,5	B	
LYEU40200IS-X-1	2	B	
LYEU40300IS-X-1	3	B	
LYEU40400IS-X-1	4	B	
LYEU40500IS-X-1	5	B	
LYEU40600IS-X-1	6	B	

UN-threading (internal)

LYEU40160UN-1	16	C	
LYEU40140UN-1	14	C	
LYEU40120UN-1	12	C	
LYEU40100UN-1	10	C	

Designation	fz(min/max)	Pitch	Grade	IN2005
-------------	-------------	-------	-------	--------

LYEU40080UN-1

LYEU40080UN-1	8	C	
LYEU40060UN-1	6	C	
LYEU40045UN-1	4,5	C	
LYEU40040UN-1	4	C	

UN-threading (external)

LYEU40160UN-X-1	16	D	
LYEU40140UN-X-1	14	D	
LYEU40120UN-X-1	12	D	
LYEU40100UN-X-1	10	D	
LYEU40080UN-X-1	8	D	
LYEU40060UN-X-1	6	D	

NPT-threading (internal & external)

LYEU40115NT-1	11,5	E	
LYEU40080NT-1	8	E	

NPTF-threading (internal & external)

LYEU40115NF	11,5	F	
LYEU40080NF-1	8	F	

BSPT-threading (internal & external)

LYEU40110BT-1	11	G	
---------------	----	---	--

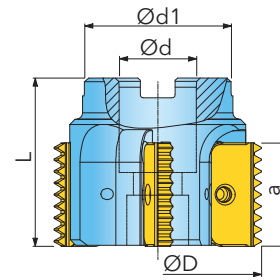
BSP-threading (internal & external)

LYEU40110BW-1	11	H	
LYEU40080BW-1	8	H	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	a	Z	kg
12Y1U080065F2R00	80	27	58	65	40	4	1,290
12Y1U100070F3R00	100	32	66	70	40	4	1,215

RAPID-THREAD SHELL MILL (A=40MM)

SPARE PARTS

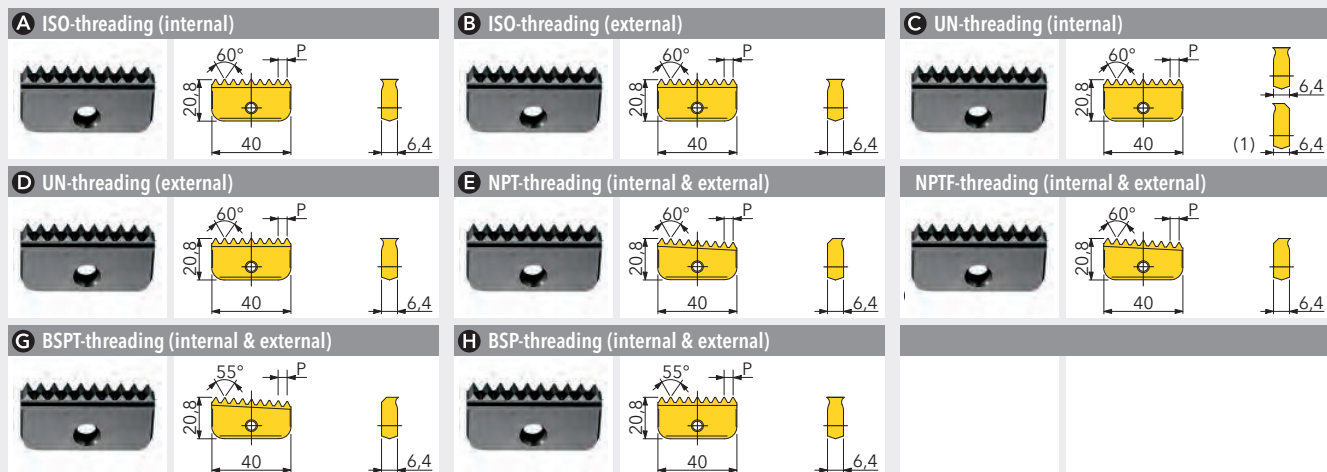


IS40 (10,0Nm)

IK40

① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

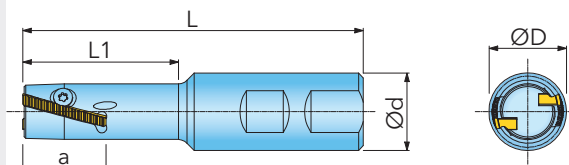


Designation	fz(min/max)	Pitch	Grade	IN2005			Designation	fz(min/max)	Pitch	Grade	IN2005		
ISO-threading (internal)							UN-threading (external)						
LYEU40150IS-1	1,5	A					LYEU40160UN-X-1	16	D				
LYEU40200IS-1	2	A					LYEU40140UN-X-1	14	D				
LYEU40300IS-1	3	A					LYEU40120UN-X-1	12	D				
LYEU40350IS-1	3,5	A					LYEU40100UN-X-1	10	D				
LYEU40400IS-1	4	A					LYEU40080UN-X-1	8	D				
LYEU40450IS-1	4,5	A					LYEU40060UN-X-1	6	D				
LYEU40500IS-1	5	A					NPT-threading (internal & external)						
LYEU40550IS-1	5,5	A					LYEU40115NT-1	11,5	E				
LYEU40600IS-1	6	A					LYEU40080NT-1	8	E				
ISO-threading (external)							NPTF-threading (internal & external)						
LYEU40150IS-X-1	1,5	B					LYEU40115NF	11,5	F				
LYEU40200IS-X-1	2	B					LYEU40080NF-1	8	F				
LYEU40300IS-X-1	3	B					BSPT-threading (internal & external)						
LYEU40400IS-X-1	4	B					LYEU40110BT-1	11	G				
LYEU40500IS-X-1	5	B					BSP-threading (internal & external)						
LYEU40600IS-X-1	6	B					LYEU40110BW-1	11	H				
UN-threading (internal)							LYEU40080BW-1	8	H				
LYEU40160UN-1	16	C											
LYEU40140UN-1	14	C											
LYEU40120UN-1	12	C											
LYEU40100UN-1	10	C											

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	a	Z	kg
22Y3Q023054W5R00	23	25	110	50	23	2	0,276

RAPID-THREAD END MILL WELDON SHANK (A=23MM)

SPARE PARTS



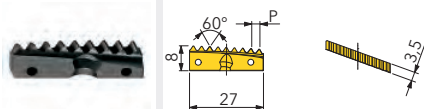
IS23 (5,2Nm)

IK21

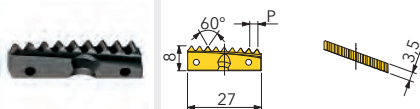
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

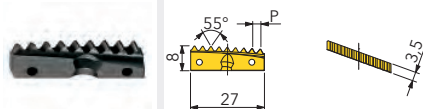
A ISO-threading (internal)



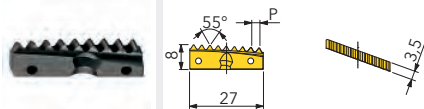
B UN/UNC/UNF/UNEF/UNS-threading (internal)



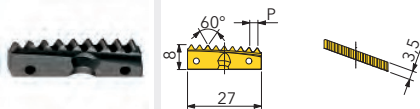
C W/BSW/BSF/BSP-threading (internal & external)



D BSPT-threading (internal & external)



E NPT-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYER27100IS	1	A	
LYER27150IS	1,5	A	
LYER27200IS	2	A	
LYER27300IS	3	A	

UN/UNC/UNF/UNEF/UNS-threading (internal)

LYER27240UN	24	B	
LYER27160UN	16	B	

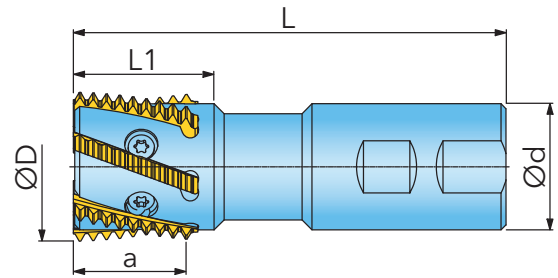
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYER27120UN	12	B	
LYER27080UN	8	B	
W/BSW/BSF/BSP-threading (internal & external)			
LYER27110BW	11	C	
BSPT-threading (internal & external)			
LYER27110BT	11	D	
NPT-threading (internal & external)			
LYER27115NT	11,5	E	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	a	Z	kg
22Y3R032070W6R00	32	32	130	60	32	5	0,611

RAPID-THREAD END MILL WELDON SHANK (A=32MM)

SPARE PARTS



IS32 (10,0Nm)

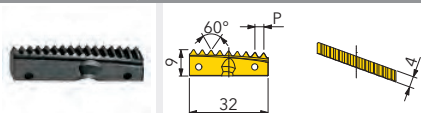


IK22

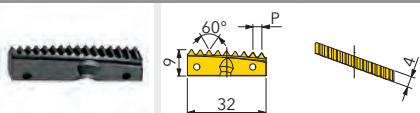
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

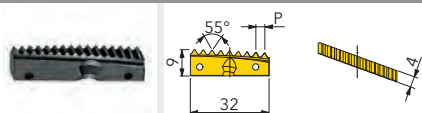
A ISO-threading (internal)



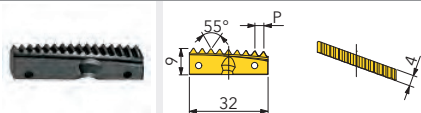
B UN/UNC/UNF/UNEF/UNS-threading (internal)



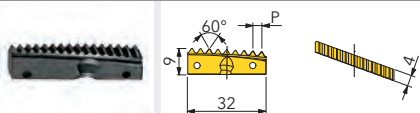
C W/BSW/BSF/BSP-threading (internal & external)



D BSPT-threading (internal & external)



E NPT-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYER32150IS	1,5	A	
LYER32200IS	2	A	
LYER32300IS	3	A	
LYER32400IS	4	A	

UN/UNC/UNF/UNEF/UNS-threading (internal)

LYER32160UN	16	B	
LYER32120UN	12	B	

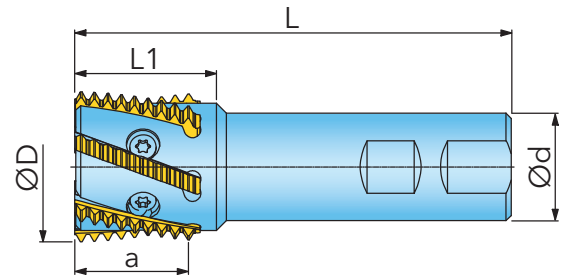
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYER32080UN	8	B	
LYER32060UN	6	B	
W/BSW/BSF/BSP-threading (internal & external)			
LYER32110BW	11	C	
BSPT-threading (internal & external)			
LYER32110BT	11	D	
NPT-threading (internal & external)			
LYER32115NT	11,5	E	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	a	Z	kg
22Y3S045070W6R00	45	32	130	40	37	6	0,880

RAPID-THREAD END MILL WELDON SHANK (A=37MM)

SPARE PARTS



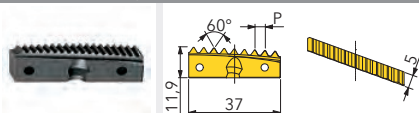
IS45 (10,0Nm)

IK40

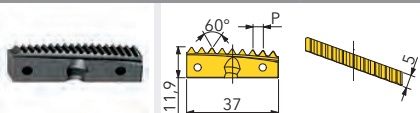
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

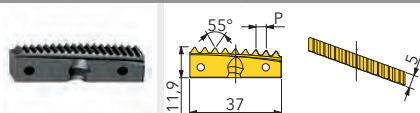
A ISO-threading (internal)



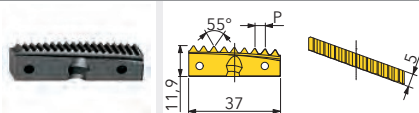
B UN/UNC/UNF/UNEF/UNS-threading (internal)



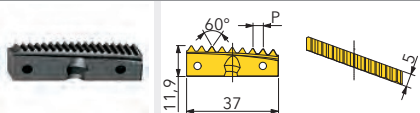
C W/BSW/BSF/BSP-threading (internal & external)



D BSPT-threading (internal & external)



E NPT-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYER37150IS	1,5	A	
LYER37200IS	2	A	
LYER37300IS	3	A	
LYER37400IS	4	A	

UN/UNC/UNF/UNEF/UNS-threading (internal)

LYER37160UN	16	B	
LYER37120UN	12	B	

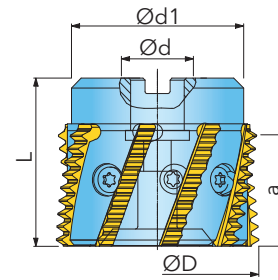
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYER37080UN	8	B	
LYER37060UN	6	B	
W/BSW/BSF/BSP-threading (internal & external)			
LYER37110BW	11	C	
BSPT-threading (internal & external)			
LYER37110BT	11	D	
NPT-threading (internal & external)			
LYER37115NT	11,5	E	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	a	Z	kg
22Y3T063050F1R00	63	22	55	50	38	9	2,240

RAPID-THREAD SHELL MILL (A=38MM)

SPARE PARTS



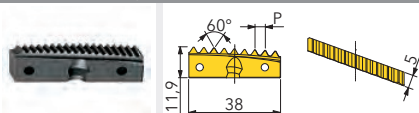
IS63 (10,0Nm)

IK40

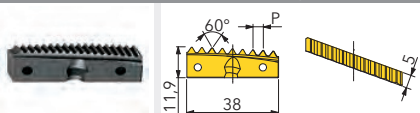
① = Insert screw ② = Screw driver

DRILLS/THREAD MILLING

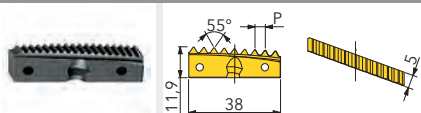
A ISO-threading (internal)



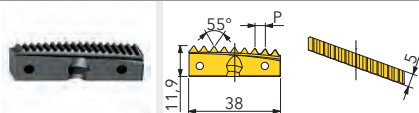
B UN/UNC/UNF/UNEF/UNS-threading (internal)



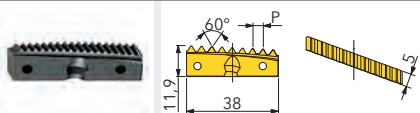
C W/BSW/BSF/BSP-threading (internal & external)



D BSPT-threading (internal & external)



E NPT-threading (internal & external)



Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

ISO-threading (internal)

LYER38150IS	1,5	A	
LYER38200IS	2	A	
LYER38300IS	3	A	
LYER38400IS	4	A	

UN/UNC/UNF/UNEF/UNS-threading (internal)

LYER38160UN	16	B	
LYER38120UN	12	B	

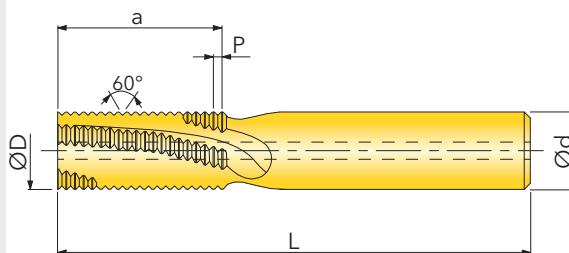
Designation	fz(min/max)	Pitch	Grade	IN2005		
-------------	-------------	-------	-------	--------	--	--

LYER38080UN	8	B	
LYER38060UN	6	B	
W/BSW/BSF/BSP-threading (internal & external)			
LYER38110BW	11	C	
BSPT-threading (internal & external)			
LYER38110BT	11	D	
NPT-threading (internal & external)			
LYER38115NT	11,5	E	

● = P ● = M ● = K ● = N ● = S ○ = H

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)

+ Preferred choice ○ Second choice



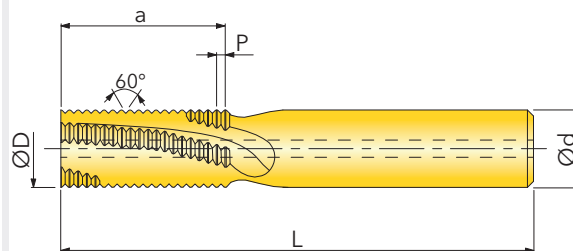
h6

Designation	D	d	L	a	P	Std. pitch	Fine pitch. Ø	Z	IK
MTECB 06038C10 0.5ISO	3,8	6	58	10,3	0,5	-	≥ 5	3	✓
MTECB 06031C7 0.7ISO	3,1	6	58	7,4	0,7	M4	≥ 5	3	✓
MTECB 06045C10 0.75ISO	4,5	6	58	10,1	0,75	-	≥ 6	3	✓
MTECB 06038C9 0.8 ISO	3,8	6	58	9,2	0,8	M5	≥ 6	3	✓
MTECB 06046C10 1.0ISO	4,6	6	58	10,5	1	M6	≥ 7	3	✓
MTECB 06046C14 1.0ISO	4,6	6	58	14,5	1	M6	≥ 7	3	✓
MTECB 0606C12 1.0ISO	6	6	58	12,5	1	-	≥ 9	3	✓
MTECB 1010D24 1.0ISO	10	10	73	24,5	1	-	≥ 12	4	✓
MTECB 0808D16 1.0ISO	8	8	64	16,5	1	-	≥ 10	4	✓
MTECB 0606C14 1.25ISO	6	6	58	14,4	1,25	M8	≥ 10	3	✓
MTECB 0606C19 1.25ISO	6	6	58	19,4	1,25	M8	≥ 10	3	✓
MTECB 08078C17 1.5ISO	7,8	8	64	17	1,5	M10	≥ 12	3	✓
MTECB 08078C24 1.5ISO	7,8	8	64	24,8	1,5	M10	≥ 12	3	✓
MTECB 1010D21 1.5ISO	10	10	73	21,8	1,5	-	≥ 14	4	✓
MTECB 1212D26 1.5ISO	12	12	84	26,3	1,5	-	≥ 16	4	✓
MTECB 1616F33 1.5ISO	16	16	105	33,8	1,5	-	≥ 20	6	✓
MTECB 1009C20 1.75ISO	9	10	73	20,1	1,75	M12	≥ 12	3	✓
MTECB 1009C28 1.75ISO	9	10	73	28,9	1,75	M12	≥ 12	3	✓
MTECB 1010C27 2.0ISO	10	10	73	27	2	M14	≥ 15	3	✓
MTECB 12118D27 2.0ISO	11,8	12	84	27	2	M16	≥ 17	4	✓
MTECB 12118D39 2.0ISO	11,8	12	84	39	2	M16	≥ 17	4	✓
MTECB 1615E33 2.5ISO	15	16	105	33,8	2,5	M20	≥ 22	5	✓
MTECB 1615E48 2.5ISO	15	16	105	48,8	2,5	M20	≥ 22	5	✓
MTECB 2018D40 3.0ISO	18	20	105	40,5	3	M24	≥ 25	4	✓
MTECB 2018D58 3.0ISO	18	20	120	58,5	3	M24	≥ 25	4	✓

RAPID-THREAD SC ISO-THREADING WITH CENTRAL INTERNAL COOLANT

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 1835 A



Grade

IN2005

P M K N_(K) S_(M) H_(PK)

+ Preferred choice ○ Second choice



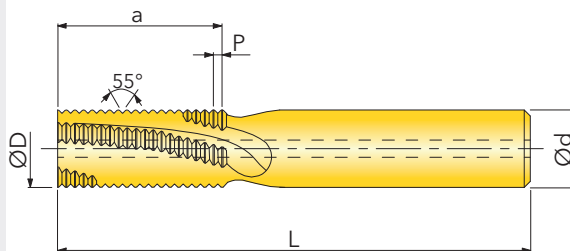
h6

Designation	D	d	L	a	TPI	UNC	UNF	UNEF	Z	🚰
MTECB 06032C6 32UN	3,2	6	58	6,8	32	8	10	12	3	✓
MTECB 0606C14 32UN	6	6	58	14,7	32	-	-	5/16	3	✓
MTECB 0605C11 28UN	5	6	58	11,3	28	-	1/4	-	3	✓
MTECB 08066C14 24UN	6,6	8	64	14,3	24	-	5/16	-	3	✓
MTECB 0808D21 24UN	8	8	64	20,6	24	-	3/8	9/16 - 5/8	4	✓
MTECB 0808C21 20UN	8	8	64	21	20	-	7/16	-	3	✓
MTECB 1010D22 20UN	10	10	73	22,3	20	-	1/2	-	4	✓
MTECB 06056C14 18UN	5,6	6	58	14,8	18	5/16	-	-	3	✓
MTECB 12113D26 18UN	11,3	12	84	26,1	18	-	9/16 - 5/8	1/8 - 1 5/8	4	✓
MTECB 08067C16 16UN	6,7	8	64	16,7	16	3/8	-	-	3	✓
MTECB 08077C20 14UN	7,7	8	64	20,9	14	7/16	-	-	3	✓
MTECB 10092C22 13UN	9,2	10	73	22,5	13	1/2	-	-	3	✓
MTECB 16144D34 10UN	14,4	16	105	34,3	10	3/4	-	-	4	✓
MTECB 1616C38 9UN	16	16	105	38,1	9	7/8	-	-	3	✓
MTECB 20195D42 8UN	19,5	20	105	42,9	8	1	-	-	4	✓

RAPID THREAD SC UN-THREADING WITH CENTRAL INTERNAL COOLANT

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(P/K)

+

+

+

○

+

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

TPI

BSP

Z



MTECB 08078C14 28W

7,8

8

64

14,1

28

G1/8

3



MTECB 1010D16 19W

10

10

73

16,7

19

G1/4 - 3/8

4



MTECB 1616E26 14W

16

16

105

26,3

14

G1/2 - 7/8

5



MTECB 1616D38 11W

16

16

105

38,1

11

G ≥ 1

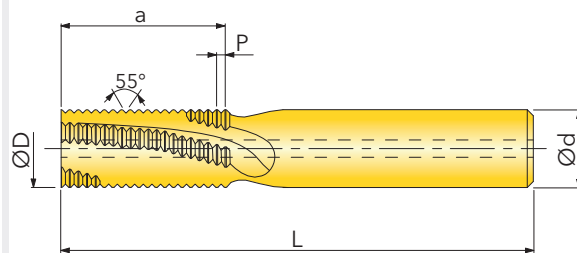
4



RAPID-THREAD SC BSP-THREADING WITH CENTRAL INTERNAL COOLANT

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)
+ + + ○ +

+ Preferred choice ○ Second choice



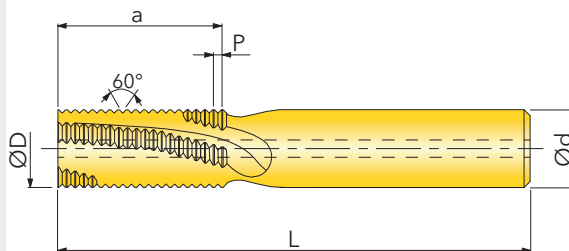
h6

Designation	D	d	L	a	TPI	BSPT	Z	IK
MTECB 08078C14 28BSPT	7,8	8	64	14,1	28	RC1/8	4	✓
MTECB 1010D16 19BSPT	10	10	73	16,7	19	RC1/4 - 3/8	4	✓
MTECB 1616E26 14BSPT	16	16	105	26,3	14	RC1/2 - 7/8	4	✓
MTECB 1616D28 11BSPT	16	16	105	28,9	11	RC1 - 2	4	✓

RAPID THREAD SC BSPT-THREADING WITH CENTRAL INTERNAL COOLANT

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(P/K)

+

+

+

○

+

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

TPI

NPT

Z



MTECB 08076C10 27NPT

7,6

8

64

10,8

27

1/8

3



MTECB 1010D16 18NPT

10

10

73

16,2

18

1/4 - 3/8

4



MTECB 16155D22 14NPT

15,5

16

105

22,7

14

1/2 - 3/4

4



MTECB 2020D39 8NPT

20

20

105

39,7

8

≥ 2 1/2

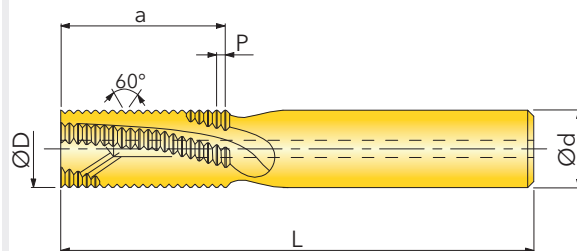
4



RAPID-THREAD SC NPT-THREADING WITH CENTRAL INTERNAL COOLANT

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P
M
K
N_(K)
S_(M)
H_(PK)

+ Preferred choice
 ○ Second choice



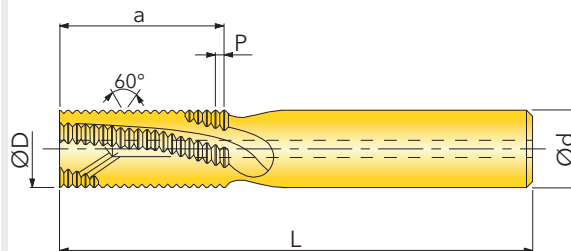
h6

Designation	D	d	L	a	P	Std. pitch	Fine pitch. Ø	Z	IK
MTECZ 06048C10 1.0ISO	4,8	6	58	10,5	1	M6	≥ 7	3	✓
MTECZ 0606C12 1.0ISO	6	6	58	12,5	1	-	≥ 9	3	✓
MTECZ 0808D16 1.0ISO	8	8	64	16,5	1	-	≥ 10	4	✓
MTECZ 0606C14 1.25ISO	6	6	58	14,4	1,25	M8	≥ 10	3	✓
MTECZ 0606C19 1.25ISO	6	6	58	19,4	1,25	M8	≥ 10	3	✓
MTECZ 08078C17 1.5ISO	7,8	8	64	17	1,5	M10	≥ 12	3	✓
MTECZ 1010D21 1.5ISO	10	10	73	21,8	1,5	-	≥ 14	4	✓
MTECZ 1212D26 1.5ISO	12	12	84	26,3	1,5	-	≥ 16	4	✓
MTECZ 1616E33 1.5ISO	16	16	101	33,8	1,5	-	≥ 20	5	✓
MTECZ 1009C20 1.75ISO	9	10	73	20,1	1,75	M12	≥ 12	3	✓
MTECZ 1009C28 1.75ISO	9	10	73	28,9	1,75	M12	≥ 12	3	✓
MTECZ 1010C27 2.0ISO	10	10	73	27	2	M14	≥ 15	3	✓
MTECZ 12118D27 2.0ISO	11,8	12	84	27	2	M16	≥ 17	4	✓
MTECZ 1615E33 2.5ISO	15	16	101	33,8	2,5	M20	≥ 22	5	✓

RAPID THREAD SC ISO-THREADING WITH INTERNAL COOLANT IN THE FLUTES

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)
+ + + ○ +

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

TPI

UNC

UNF

UNEF

Z



MTECZ 0606C14 28UN

6

6

58

14,1

28

-

-

7/16 - 1/2

3



MTECZ 0808C21 20UN

8

8

64

21

20

-

7/16

-

3



MTECZ 1010D22 20UN

10

10

73

22,3

20

-

1/2

-

4



MTECZ 1212E27 20UN

12

12

84

27,3

20

-

-

3/4 - 1

5



MTECZ 06056C14 18UN

5,6

6

58

14,8

18

5/16

-

-

3



MTECZ 12113D26 18UN

11,3

12

84

26,1

18

-

9/16 - 5/8 1 1/8 - 1 5/8

4



MTECZ 08067C16 16UN

6,7

8

64

16,7

16

3/8

-

-

3



MTECZ 1212D31 16UN

12

12

84

31

16

-

3/4

-

4



MTECZ 08077C20 14UN

7,7

8

64

20,9

14

7/16

-

-

3



MTECZ 1616E37 14UN

16

16

101

37,2

14

-

7/8

-

5



MTECZ 10092C22 13UN

9,2

10

73

22,5

13

1/2

-

-

3



MTECZ 12105C26 12UN

10,5

12

84

26,5

12

9/16

-

-

3



MTECZ 12114C28 11UN

11,4

12

84

28,9

11

5/8

-

-

3



MTECZ 16144D34 10UN

14,4

16

101

34,3

10

3/4

-

-

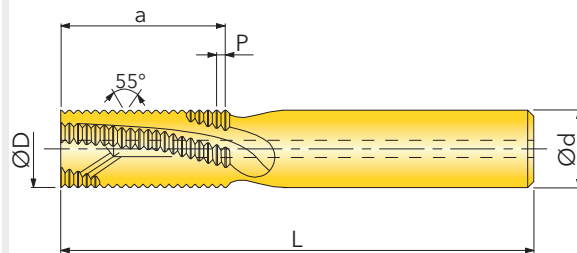
4



RAPID-THREAD SC UN-THREADING WITH INTERNAL COOLANT IN THE FLUTES

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)

+ Preferred choice ○ Second choice



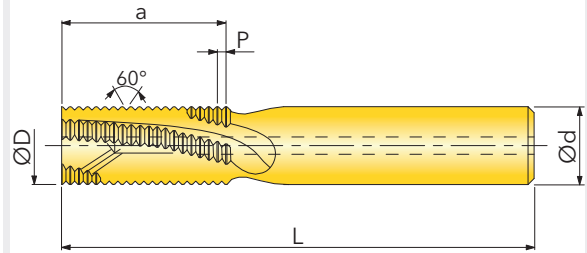
h6

Designation	D	d	L	a	TPI	BSP	Z	
MTECZ 08078C14 28W	7,8	8	64	14,1	28	G1/8	3	✓
MTECZ 1010D16 19W	10	10	73	16,7	19	G1/4 - 3/8	4	✓
MTECZ 1616E26 14W	16	16	101	26,3	14	G1/2 - 7/8	5	✓
MTECZ 1616D38 11W	16	16	101	38,1	11	G ≥ 1	4	✓

RAPID THREAD SC BSP-THREADING WITH INTERNAL COOLANT IN THE FLUTES

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(P/K)

+

+

+

○

+

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

TPI

NPT

Z



MTECZ 08076C10 27NPT

7,6

8

64

10,8

27

1/8

3



MTECZ 1010D16 18NPT

10

10

73

16,2

18

1/4 - 3/8

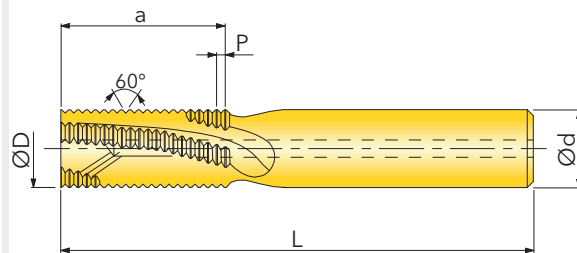
4



RAPID-THREAD SC NPT-THREADING WITH INTERNAL COOLANT IN THE FLUTES

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)
+ + + ○ +

+ Preferred choice ○ Second choice



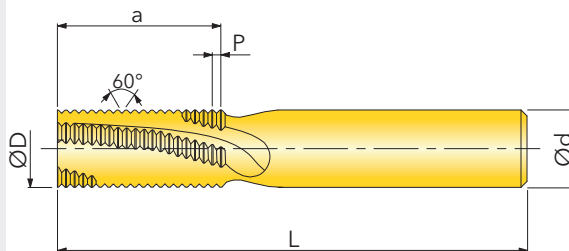
h6

Designation	D	d	L	a	TPI	NPTF	Z	
MTECZ 08076C10 27NPTF	7,6	8	64	10,8	27	1/8	3	✓
MTECZ 1010D16 18NPTF	10	10	73	16,2	18	1/4 - 3/8	4	✓
MTECZ 16155D22 14NPTF	15,5	16	101	22,7	14	1/2 - 3/4	4	✓

RAPID THREAD SC NPTF-THREADING WITH INTERNAL COOLANT IN THE FLUTES

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(PK)

+

+

+

○

+

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

P

Std.
pitch

Fine
pitch. Ø

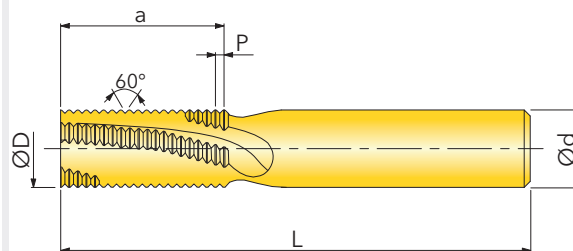
Z

MTEC 06022C5 0.5ISO	2,2	6	58	5,3	0,5	M3	≥ 4	3
MTEC 06038C10 0.5ISO	3,8	6	58	10,3	0,5	-	≥ 5	3
MTEC 06031C7 0.7ISO	3,1	6	58	7,4	0,7	M4	≥ 5	3
MTEC 06045C10 0.75ISO	4,5	6	58	10,1	0,75	-	≥ 6	3
MTEC 06036C9 0.8ISO	3,6	6	58	9,2	0,8	M5	≥ 6	3
MTEC 0604C10 1.0ISO	4	6	58	10,5	1	M6	≥ 7	3
MTEC 0604C14 1.0ISO	4	6	58	14,5	1	M6	≥ 7	3
MTEC 0606C12 1.0ISO	6	6	58	12,5	1	-	≥ 9	3
MTEC 0808D16 1.0ISO	8	8	64	16,5	1	-	≥ 10	4
MTEC 0605C14 1.25ISO	5	6	58	14,4	1,25	M8	≥ 10	3
MTEC 0605C19 1.25ISO	5	6	58	19,4	1,25	M8	≥ 10	3
MTEC 0807C17 1.5ISO	7	8	64	17,3	1,5	M10	≥ 12	3
MTEC 0807C24 1.5ISO	7	8	76	24,8	1,5	M10	≥ 12	3
MTEC 1010D21 1.5ISO	10	10	73	21,8	1,5	-	≥ 14	4
MTEC 1616F33 1.5ISO	16	16	105	33,8	1,5	-	≥ 20	6
MTEC 0808C20 1.75ISO	8	8	64	20,1	1,75	M12	≥ 14	3
MTEC 0808C28 1.75ISO	8	8	76	28,9	1,75	M12	≥ 14	3
MTEC 1010C27 2.0ISO	10	10	73	27	2	M16	≥ 17	3
MTEC 1010C39 2.0ISO	10	10	105	39	2	M16	≥ 17	3
MTEC 1212D27 2.0ISO	12	12	84	27	2	-	≥ 18	4
MTEC 2020F41 2.0ISO	20	20	105	41	2	-	≥ 26	6
MTEC 1414D33 2.5ISO	14	14	84	33,8	2,5	M20	≥ 22	4
MTEC 1414D48 2.5ISO	14	14	105	48,8	2,5	M20	≥ 22	4
MTEC 1616C40 3.0ISO	16	16	105	40,5	3	M24	≥ 25	3
MTEC 1616C58 3.0ISO	16	16	120	58,5	3	M24	≥ 25	3

RAPID-THREAD SC ISO-THREADING INTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P
M
K
N_(K)
S_(M)
H_(PK)

+ Preferred choice
 ○ Second choice



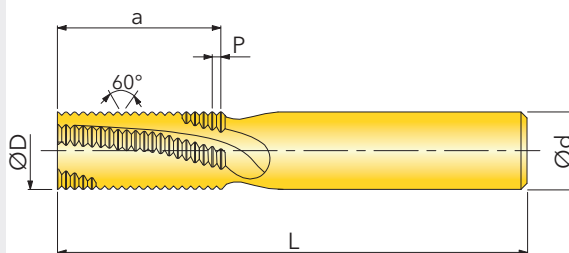
h6

Designation	D	d	L	a	P	Z
MTEC E 1010D16 1.0ISO	10	10	73	16,5	1	4
MTEC E 1212E20 1.0ISO	12	12	84	20,5	1	5
MTEC E 1010D15 1.5ISO	10	10	73	15,8	1,5	4
MTEC E 1212D20 1.5ISO	12	12	84	20,3	1,5	4
MTEC E 1010C17 2.0ISO	10	10	73	17	2	3
MTEC E 1212D21 2.0ISO	12	12	84	21	2	4

RAPID THREAD SC ISO-THREADING EXTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(S) S_(M) H_(P/K)

+ Preferred choice ○ Second choice



h6

Designation

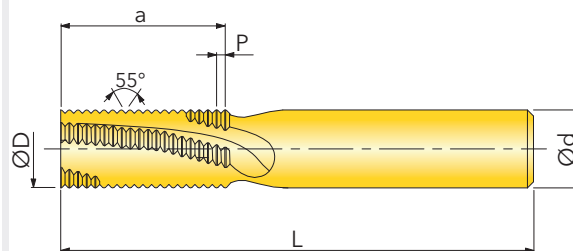
D d L a TPI UNC UNF UNEF Z

MTEC 0604C11 28UN	4	6	58	11,3	28	-	1/4	-	3
MTEC 0606C14 28UN	6	6	58	14,1	28	-	-	7/16 - 1/2	3
MTEC 0605C14 24UN	5	6	58	14,3	24	-	5/16	-	3
MTEC 0807C21 24UN	7	8	64	20,6	24	-	-	3/8 - 5/8	3
MTEC 06045C12 20UN	4,5	6	58	12,1	20	1/4	-	-	3
MTEC 0807C21 20UN	7	8	64	21	20	-	7/16 - 1/2	-	3
MTEC 1212E27 20UN	12	12	84	27,3	20	-	-	3/4 - 1	5
MTEC 0605C14 18UN	5	6	58	14,8	18	5/16	-	-	3
MTEC 1010D26 18UN	10	10	73	26,1	18	-	9/16 - 5/8	1/8 - 1 5/8	4
MTEC 0606C16 16UN	6	6	58	16,7	16	3/8	-	-	3
MTEC 1212D31 16UN	12	12	84	31	16	-	3/4	-	4
MTEC 0807C20 14UN	7	8	64	20,9	14	7/16	-	-	3
MTEC 1615E37 14UN	15	16	105	37,2	14	-	7/8	-	5
MTEC 0808C22 13UN	8	8	64	22,5	13	1/2	-	-	3
MTEC 1010C26 12UN	10	10	73	26,5	12	9/16	-	-	3
MTEC 1616E41 12UN	16	16	105	41,3	12	-	1 - 1 1/2	-	5
MTEC 1010C28 11UN	10	10	73	28,9	11	5/8	-	-	3
MTEC 1212C34 10UN	12	12	84	34,3	10	3/4	-	-	3
MTEC 1615C38 9UN	15	16	105	38,1	9	7/8	-	-	3
MTEC 1616C42 8UN	16	16	105	42,9	8	1	-	-	3

RAPID THREAD SC UN-THREADING INTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)
+ + + ○ +



h6

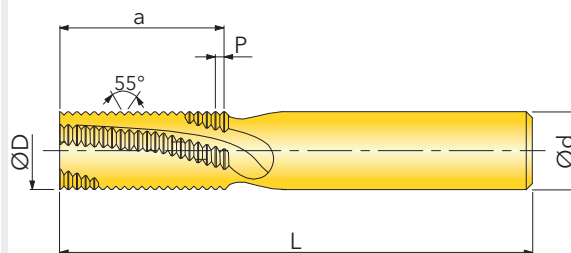
+ Preferred choice ○ Second choice

Designation	D	d	L	a	TPI	BSP	Z
MTEC 0606C9 28W	6	6	58	9,5	28	G1/8	3
MTEC 0808C14 19W	8	8	64	14	19	G1/4 - 3/8	3
MTEC 1212D19 14W	12	12	84	19	14	G1/2 - 7/8	4
MTEC 1212D26 14W	12	12	84	26,3	14	G1/2 - 7/8	4
MTEC 1212C24 11W	12	12	84	24,2	11	G1-1 1/2	3
MTEC 1616D38 11W	16	16	105	38,1	11	G1-3	4
MTEC 2020E47 11W	20	20	105	47,3	11	G ≥ 1	5

RAPID THREAD SC BSP-THREADING INTERNAL & EXTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(PK)

+

+

+

○

+

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

a

TPI

BSPT

Z

MTEC 0606C9 28BSPT

6

6

58

9,5

28

RC1/8

3

MTEC 0808C14 19BSPT

8

8

64

14

19

RC1/4 - 3/8

3

MTEC 1212D19 14BSPT

12

12

84

19,1

14

RC1/2 - 7/8

4

MTEC 1616D28 11BSPT

16

16

105

28,9

11

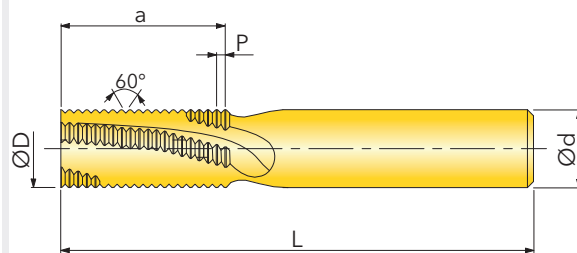
RC1 - 2

4

RAPID-THREAD SC BSPT-THREADING INTERNAL & EXTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(P/K)
+ + + ○ +

+ Preferred choice ○ Second choice



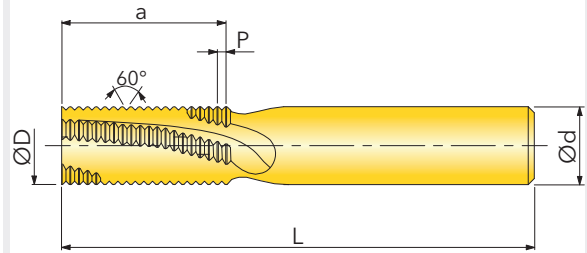
h6

Designation	D	d	L	a	TPI	NPT	Z
MTEC 0606C9 27NPT	6	6	58	9,9	27	1/8	3
MTEC 0808C14 18NPT	8	8	64	14,8	18	1/4 - 3/8	3
MTEC 1212D20 14NPT	12	12	84	20,9	14	1/2 - 3/4	4
MTEC 1616D27 11.5NPT	16	16	105	27,6	11,5	1 - 2	4
MTEC 2020D39 8NPT	20	20	105	39,7	8	≥ 2 1/2	4

RAPID THREAD SC NPT-THREADING INTERNAL & EXTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade	P	M	K	N _(K)	S _(M)	H _(PK)
IN2005	+	+	+	○	+	

+ Preferred choice ○ Second choice



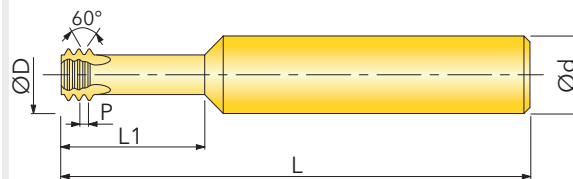
h6

Designation	D	d	L	a	TPI	NPTF	Z
MTEC 0606C9 27NPTF	6	6	58	9,9	27	1/8	3
MTEC 0808C14 18NPTF	8	8	64	14,8	18	1/4 - 3/8	3
MTEC 1212D20 14NPTF	12	12	84	20,9	14	1/2 - 3/4	4

RAPID THREAD SC NPTF-THREADING INTERNAL & EXTERNAL

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(K) S_(M) H_(PK)
+ + + ○ +

+ Preferred choice ○ Second choice



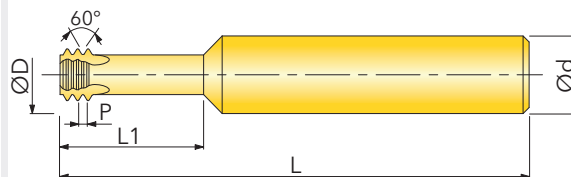
h6

Designation	D	d	L	L1	P	Std. pitch	Z
MTECS 03011C4 0.3ISO	1,05	3	39	4	0,3	M1,4	3
MTECS 03012C5 0.35ISO	1,2	3	39	5	0,35	M1,6	3
MTECS 06016C4 0.4ISO	1,55	6	58	4,5	0,4	M2	3
MTECS 03016C6 0.4ISO	1,55	3	39	6	0,4	M2	3
MTECS 06017C5 0.45ISO	1,65	6	58	5	0,45	M2,2	3
MTECS 0602C5 0.45ISO	1,95	6	58	5,5	0,45	M2,5	3
MTECS 0602C7 0.45ISO	1,95	6	58	7,5	0,45	M2,5	3
MTECS 06024C6 0.5ISO	2,35	6	58	6,5	0,5	M3	3
MTECS 06024C9 0.5ISO	2,35	6	58	9,5	0,5	M3	3
MTECS 06028C7 0.6ISO	2,75	6	58	7,5	0,6	M3,5	3
MTECS 06031C9 0.7ISO	3,1	6	58	9	0,7	M4	3
MTECS 06031C12 0.7ISO	3,1	6	58	12,5	0,7	M4	3
MTECS 06038C12 0.8ISO	3,8	6	58	12,5	0,8	M5	3
MTECS 06038C16 0.8ISO	3,8	6	58	16	0,8	M5	3
MTECS 06047C14 1.0ISO	4,65	6	58	14	1	M6	3
MTECS 06047C20 1.0ISO	4,65	6	58	20	1	M6	3
MTECS 0606C18 1.25ISO	5,95	6	58	18	1,25	M8	3
MTECS 0606C24 1.25ISO	5,95	6	58	24	1,25	M8	3
MTECS 08078C23 1.5ISO	7,8	8	64	23	1,5	M10	3
MTECS 1009C26 1.75ISO	9	10	73	26	1,75	M12	3
MTECS 12118D35 2.0ISO	11,8	12	84	35	2	M16	4
MTECS 1615E43 2.5ISO	15	16	105	43	2,5	M20	5

RAPID THREAD SC ISO-THREADING SHORT INTERNAL (RIGHT VERSION)

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P M K N_(S) S_(M) H_(PK)

+ + + ○ +

+ Preferred choice ○ Second choice



h6

Designation

D

d

L

L1

TPI

UNC

UNF

Z

MTECS 06012C4 80UN

1,15

6

58

4

80

-

0

3

MTECS 06019C5 48UN

1,9

6

58

5,2

48

3

4

3

MTECS 06021C6 40UN

2,1

6

58

6,3

40

4

-

3

MTECS 06024C9 40UN

2,45

6

58

9,6

40

5

6

3

MTECS 06033C9 36UN

3,3

6

58

9

36

-

8

3

MTECS 06025C7 32UN

2,55

6

58

7,1

32

6

-

3

MTECS 06032C9 32UN

3,2

6

58

9,5

32

8

-

3

MTECS 06032C12 32UN

3,2

6

58

12,5

32

8

-

3

MTECS 06037C10 32UN

3,7

6

58

10,5

32

-

10

3

MTECS 06037C15 32UN

3,7

6

58

15

32

-

10

3

MTECS 0605C14 28UN

5

6

58

14,5

28

-

1/4

3

MTECS 0605C19 28UN

5

6

58

19

28

-

1/4

3

MTECS 06035C10 24UN

3,5

6

58

10,6

24

10;12

-

3

MTECS 08066C17 24UN

6,6

8

64

17

24

-

5/16

3/8

3

MTECS 08066C24 24UN

6,6

8

64

24

24

-

5/16

3/8

3

MTECS 06047C14 20UN

4,75

6

58

14

20

1/4

-

3

MTECS 0808C25 20UN

8

8

64

25

20

-

7/16

3

MTECS 06047C19 20UN

4,75

6

58

19

20

1/4

-

3

MTECS 0606C17 18UN

6

6

58

17

18

5/16

-

3

MTECS 0606C23 18UN

6

6

58

23

18

5/16

-

3

MTECS 08067C22 16UN

6,7

8

64

22

16

3/8

-

3

MTECS 08077C25 14UN

7,7

8

64

25

14

7/16

-

3

MTECS 10092C27 13UN

9,2

10

73

27,5

13

1/2

-

3

MTECS 12114C34 11UN

11,4

12

84

34,5

11

5/8

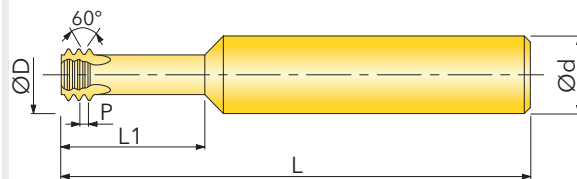
-

3

RAPID THREAD SC UN-THREADING SHORT INTERNAL (RIGHT VERSION)

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2006

P
M
K
N_(K)
S_(M)
H_(PK)

☒ Preferred choice
 ☐ Second choice



h6

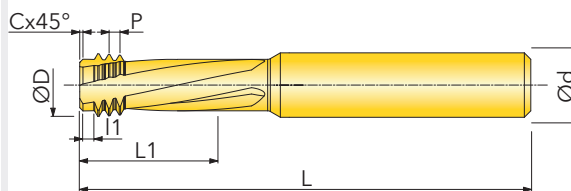
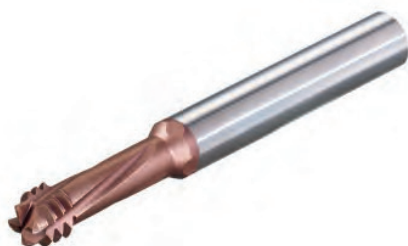


Designation	D	d	L	L1	P	Std. pitch	Z
MTECSH 06016C4 0.4ISO	1,55	6	58	4,5	0,4	M2	3
MTECSH 06017C5 0.45ISO	1,65	6	58	5	0,45	M2,2	3
MTECSH 0602C5 0.45ISO	1,95	6	58	5,5	0,45	M2,5	3
MTECSH 0602C7 0.45ISO	1,95	6	58	7,5	0,45	M2,5	3
MTECSH 06024C6 0.5ISO	2,35	6	58	6,5	0,5	M3	3
MTECSH 06024C9 0.5ISO	2,35	6	58	9,5	0,5	M3	3
MTECSH 06028C7 0.6ISO	2,75	6	58	7,5	0,6	M3,5	3
MTECSH 06031C9 0.7ISO	3,1	6	58	9	0,7	M4	3
MTECSH 06031C12 0.7ISO	3,1	6	58	12,5	0,7	M4	3
MTECSH 06038C12 0.8ISO	3,8	6	58	12,5	0,8	M5	3
MTECSH 06038C16 0.8ISO	3,8	6	58	16	0,8	M5	3
MTECSH 06047C14 1.0ISO	4,65	6	58	14	1	M6	3
MTECSH 06047C20 1.0ISO	4,65	6	58	20	1	M6	3
MTECSH 0606C18 1.25ISO	5,95	6	58	18	1,25	M8	3
MTECSH 0606C24 1.25ISO	5,95	6	58	24	1,25	M8	3
MTECSH 08078C23 1.5ISO	7,8	8	64	23	1,5	M10	3
MTECSH 1009C26 1.75ISO	9	10	73	26	1,75	M12	3
MTECSH 12118D35 2.0ISO	11,8	12	84	35	2	M16	4
for hard milling							

RAPID THREAD SC ISO-THREADING SHORT INTERNAL (LEFT VERSION)

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(P/K)

+

+

+

+

○

+ Preferred choice ○ Second choice



h6



Designation

D

d

L

L1

l1

C

P

Std. pitch

Z



MTECD 06032C11 0.7ISO

3,15

6

58

11,6

0,7

0,2

0,70

M4

3

MTECD 0604C14 0.8ISO

4,0

6

58

14,4

0,8

0,3

0,80

M5

3

MTECD 08047C14 1.0ISO

4,7

8

64

14,0

1,0

0,4

1,00

M6-M9

3



MTECD 08061D18 1.25ISO

6,1

8

64

18,0

1,3

0,5

1,25

M8-M12

4



MTECD 08078D23 1.5ISO

7,8

8

64

23,0

1,5

0,6

1,50

M10-M15

4



MTECD 1009D26 1.75ISO

9,0

10

73

26,0

1,8

0,6

1,75

M12

4



MTECD 12118D35 2.0ISO

11,8

12

84

35,0

2,0

0,6

2,00

M16-M23

4

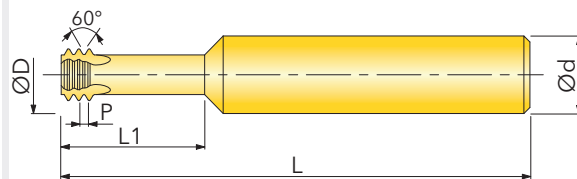


for hard milling

RAPID-THREAD SC ISO-THREADING / DRILLING SHORT INTERNAL (LEFT VERSION)

DRILLS/THREAD MILLING

ADAPTION ACC. TO DIN 6535 HA



Grade

IN2006

P M K N_(K) S_(M) H_(PK)
+ + + + +



h6



☒ Preferred choice
 ☐ Second choice

Designation	D	d	L	L1	TPI	UNC	UNF	Z
MTECSH 06012C4 80UN	1,15	6	58	4	80	-	0	3
MTECSH 06019C5 48UN	1,9	6	58	5,2	48	3	4	3
MTECSH 06021C6 40UN	2,1	6	58	6,3	40	4	-	3
MTECSH 06024C7 40UN	2,45	6	58	7	40	5	6	3
MTECSH 06033C9 36UN	3,3	6	58	9	36	-	8	3
MTECSH 06032C9 32UN	3,2	6	58	9,5	32	8	-	3
MTECSH 06032C12 32UN	3,2	6	58	12,5	32	8	-	3
MTECSH 06037C10 32UN	3,7	6	58	10,5	32	-	10	3
MTECSH 06037C15 32UN	3,7	6	58	15	32	-	10	3
MTECSH 06042C11 28UN	4,2	6	58	11	28	-	12	3
MTECSH 0605C14 28UN	5	6	58	14,5	28	-	1/4	3
MTECSH 0605C19 28UN	5	6	58	19	28	-	1/4	3
MTECSH 06035C10 24UN	3,5	6	58	10,6	24	10;12	-	3
MTECSH 08066C17 24UN	6,6	8	64	17	24	-	5/16	3
MTECSH 08066C24 24UN	6,6	8	64	24	24	-	5/16	3
MTECSH 06047C19 20UN	4,75	6	58	19	20	1/4	-	3
MTECSH 0606C17 18UN	6	6	58	17	18	5/16	-	3
MTECSH 1212D35 18UN	12	12	84	35	18	-	5/8	4
MTECSH 0606C23 18UN	6	6	58	23	18	5/16	-	3
MTECSH 08067C22 16UN	6,7	8	64	22	16	3/8	-	3
MTECSH 10092C27 13UN	9,2	10	73	27,5	13	1/2	-	3

for hard milling

RAPID THREAD SC UN-THREADING SHORT INTERNAL (LEFT VERSION)