















# END MILLS

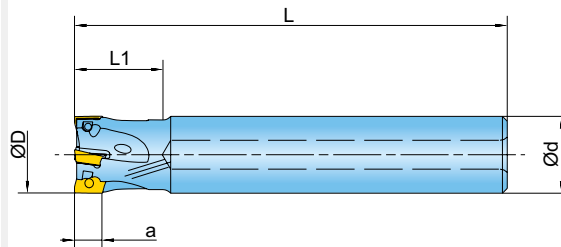
	D	a	Description	Code	Page
	10 - 25	5,7	<b>HIPOS MICRO</b> SA06D02	SA06D02	16
	9,5 - 25	5,7	<b>HIPOS MICRO</b> SA06D03	SA06D03	17
	10 - 25	5,7	<b>HIPOS MICRO</b> SA06M01	SA06M01	18
	10 - 35	5,7	<b>HIPOS MICRO</b> SA06E01	SA06E01	19
	12 - 25	9	<b>HIPOS PLUS</b> SB09D03	SB09D03	20
	16 - 32	9	<b>HIPOS PLUS</b> SB09M01	SB09M01	22
	12 - 32	9	<b>HIPOS PLUS</b> SB09E01	SB09E01	24
	20 - 32	12	<b>HIPOS PLUS</b> SB13D03B	SB13D03B	26
	20 - 32	12	<b>HIPOS PLUS</b> SB13M01B	SB13M01B	28
	20 - 40	12	<b>HIPOS PLUS</b> SB13E01B	SB13E01B	30
	25 - 40	8,4	<b>ALUMINATOR</b> SS11E01	SS11E01	32
	25 - 40	5,8	<b>EGD 6</b> SW06D03	SW06D03	33
	25 - 40	5,8	<b>EGD 6</b> SW06E01	SW06E01	34
	20 - 42	15,5	<b>ALUMINATOR</b> EX14E01	EX14E01	35

Subject to printing error or technical changes.



# END MILLS

ADAPTION ACC. TO DIN 1835 A



Designation	D	d	L	L1	a	Z			
SA.010.006	10	10	55	16	5,7	2	10,0°	✓	0,03
SA.012.007	12	12	60	17	5,7	3	6,5°	✓	0,04
SA.016.009	16	16	90	19	5,7	4	4,0°	✓	0,11
SA.020.015	20	20	105	19	5,7	5	2,5°	✓	0,21
SA.025.015	25	20	115	65	5,7	7	2,0°	✓	0,24

Programming radius 1mm

<b>AOMT060202R</b>		<b>AOMT060204R</b>		<b>AOMT060208R</b>	
<b>AOMT060216R</b>		<b>AOCT060204FR-P</b>		<b>AOMT060202R-DT1</b>	
<b>UOMT0602TR</b>					

Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2505	IN2530	IN6535	IN90D	
AOMT060202R	0,06/0,12	positive geometry R0,2								
AOMT060204R	0,06/0,12	positive geometry R0,4								
AOMT060208R	0,06/0,12	positive geometry R0,8								
AOMT060216R <sup>1)</sup>	0,06/0,12	positive geometry R1,6								
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4								
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2								
UOMT0602TR	0,30/0,80	high feed geometry								

<sup>1)</sup>Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

① ②

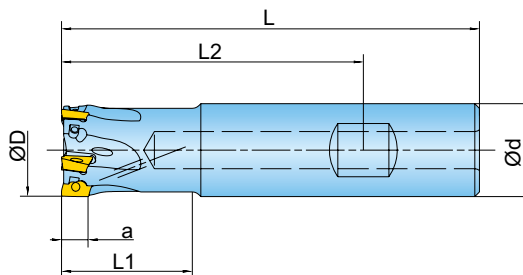
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS-MICRO SA06D02

# END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z	∠	IK	kg
SA.010.004	9,5	16	80	18	56	5,7	2	10,5°	✓	0,09
SA.010.005	10	16	80	18	56	5,7	2	10,0°	✓	0,09
SA.012.005	11,5	16	80	20	56	5,7	3	7,0°	✓	0,09
SA.012.006	12	16	80	20	56	5,7	3	6,5°	✓	0,09
SA.014.004	13,5	16	80	22	56	5,7	3	5,5°	✓	0,09
SA.014.005	14	16	80	22	56	5,7	3	5,2°	✓	0,09
SA.016.008	16	16	85	26	61	5,7	4	4,0°	✓	0,10
SA.020.014	20	20	90	30	65	5,7	5	2,5°	✓	0,17
SA.025.014	25	25	100	40	68	5,7	7	2,0°	✓	0,31

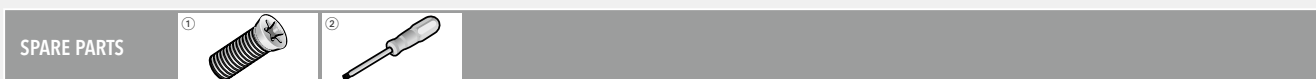
Programming radius 1mm

<b>AOMT060202R</b> 	<b>AOMT060204R</b> 	<b>AOMT060208R</b> 
<b>AOMT060216R</b> 	<b>AOCT060204FR-P</b> 	<b>AOMT060202R-DT1</b> 
<b>UOMT0602TR</b> 		

Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2505	IN2530	IN6535	IN90D
AOMT060202R	0,06/0,12	positive geometry R0,2			●	●	●	●	
AOMT060204R	0,06/0,12	positive geometry R0,4			●	●	●		
AOMT060208R	0,06/0,12	positive geometry R0,8			●	●			
AOMT060216R <sup>1)</sup>	0,06/0,12	positive geometry R1,6				●			
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4	●						
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2							●
UOMT0602TR	0,30/0,80	high feed geometry			●	●	●	●	

<sup>1)</sup> Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H



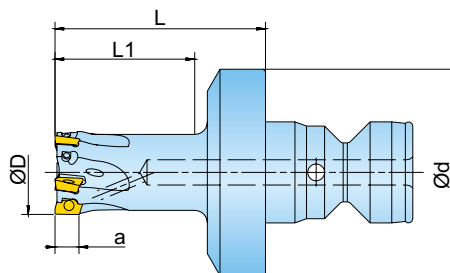
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS-MICRO SA06D03

# END MILLS

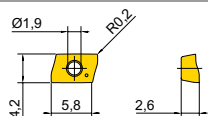
## MODULAR MILLING ADAPTOR INNOFIT



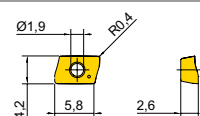
Designation	D	d	L	L1	a	MOD	Z			
SA.010.007	10	49	40	22	5,7	40	2	10,0°	✓	0,25
SA.012.009	12	49	40	22	5,7	40	3	6,5°	✓	0,25
SA.016.011	16	49	45	28	5,7	40	4	4,0°	✓	0,27
SA.020.017	20	49	50	36	5,7	40	5	2,5°	✓	0,30
SA.025.017	25	49	55	41	5,7	40	7	2,0°	✓	0,36

Programming radius 1mm

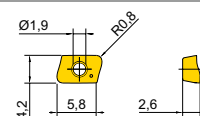
### AOMT060202R



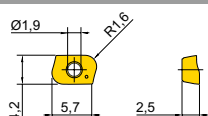
### AOMT060204R



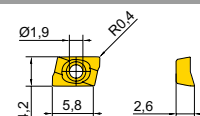
### AOMT060208R



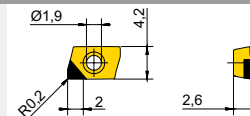
### AOMT060216R



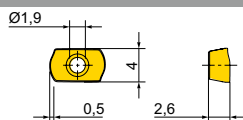
### AOCT060204FR-P



### AOMT060202R-DT1



### UOMT0602TR

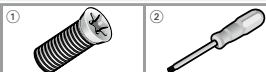


Designation	fz(min/max)	Design	Grade	Material					
				IN05S	IN2035	IN2505	IN2530	IN6535	IN90D
AOMT060202R	0,06/0,12	positive geometry R0,2							
AOMT060204R	0,06/0,12	positive geometry R0,4							
AOMT060208R	0,06/0,12	positive geometry R0,8							
AOMT060216R <sup>1)</sup>	0,06/0,12	positive geometry R1,6							
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4							
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2							
UOMT0602TR	0,30/0,80	high feed geometry							

<sup>1)</sup>Cutter body has to be modified

= P = M = K = N = S = H

### SPARE PARTS



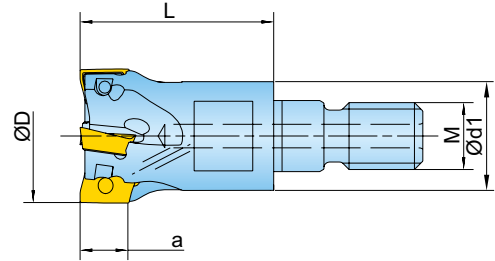
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPRO MICRO SA06M01

# END MILLS

## SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SA.010.009	10	9,8	17	5,7	6	2	10°	✓	0,01
SA.012.008	12	11,8	23	5,7	6	3	6,5°	✓	0,02
SA.015.002	15	13	23	5,7	8	4	4,4°	✓	0,02
SA.016.010	16	13	23	5,7	8	4	4,0°	✓	0,03
SA.020.016	20	18	30	5,7	10	5	2,5°	✓	0,06
SA.025.016	25	21	35	5,7	12	7	2,0°	✓	0,10
SA.030.001	30	29	43	5,7	16	8	1,7°	✓	0,21
SA.032.018	32	29	43	5,7	16	8	1,6°	✓	0,22
SA.035.002	35	29	43	5,7	16	9	1,4°	✓	0,24

Programming radius 1mm

<b>AOMT060202R</b> 	<b>AOMT060204R</b> 	<b>AOMT060208R</b> 
<b>AOMT060216R</b> 	<b>AOCT060204FR-P</b> 	<b>AOMT060202R-DT1</b> 
<b>UOMT0602TR</b> 		

Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2505	IN2530	IN6535	IN90D
AOMT060202R	0,06/0,12	positive geometry R0,2							
AOMT060204R	0,06/0,12	positive geometry R0,4							
AOMT060208R	0,06/0,12	positive geometry R0,8							
AOMT060216R <sup>1)</sup>	0,06/0,12	positive geometry R1,6							
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4							
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2							
UOMT0602TR	0,30/0,80	high feed geometry							

<sup>1)</sup> Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

① ②

SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

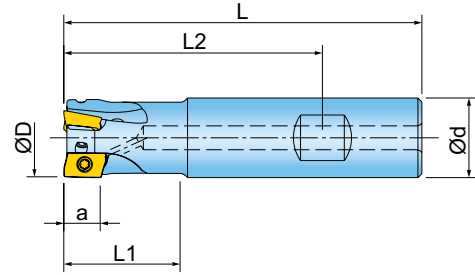
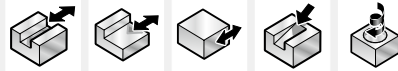
① = Insert screw ② = Screw driver

HIPRO MICRO SA06E01



# END MILLS

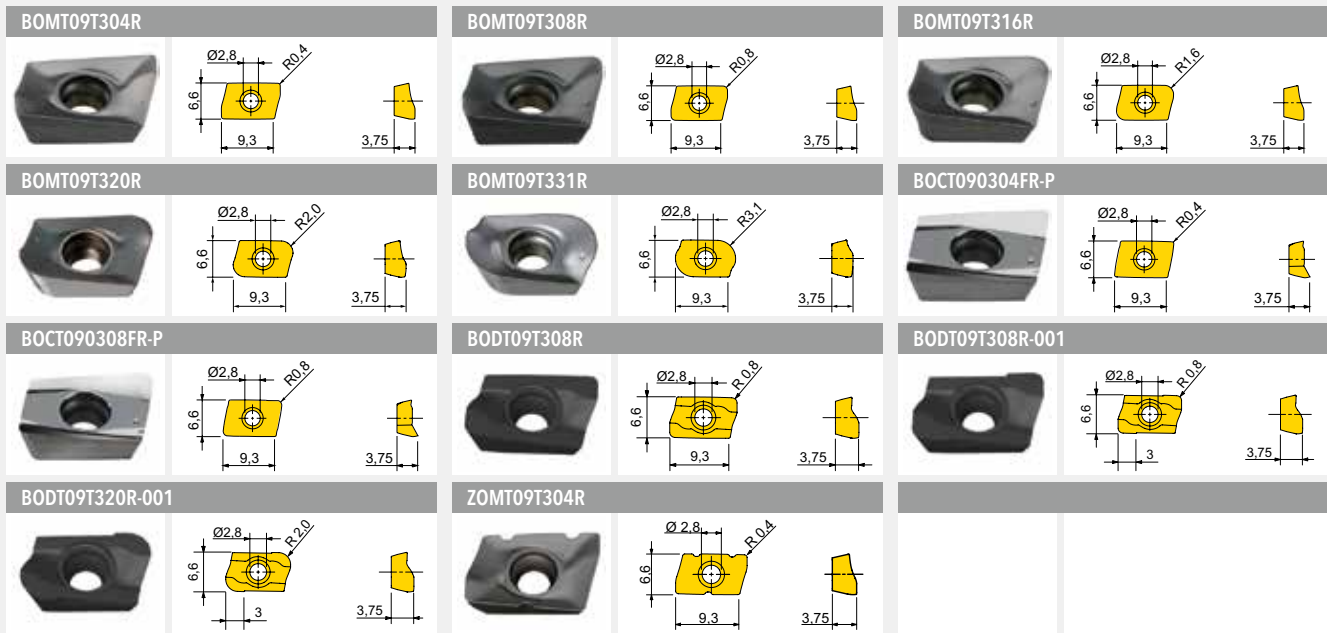
ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z			
SB.012.001	12	16	80	20	56	9	1	1,5°	✓	0,09
SB.016.001	16	16	85	26	61	9	2	10,0°	✓	0,10
SB.020.010	20	20	90	30	65	9	2	7,0°	✓	0,18
SB.020.005	20	20	90	30	65	9	3	7,0°	✓	0,17
SB.020.006	20	20	125	75	100	9	2	7,0°	✓	0,23
SB.025.009	25	25	100	40	68	9	4	4,4°	✓	0,31
SB.025.010	25	25	145	85	113	9	3	4,4°	✓	0,45
SB.025.014	25	25	145	85	113	9	4	4,4°	✓	0,45

HIPDS PLUS SB09D03



# END MILLS



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030	IN6535
BOMT09T304R	0,10/0,15	positive geometry R0,4								
BOMT09T308R	0,10/0,15	positive geometry R0,8								
BOMT09T316R <sup>1)</sup>	0,10/0,15	positive geometry R1,6								
BOMT09T320R <sup>1)</sup>	0,10/0,15	positive geometry R2,0								
BOMT09T331R <sup>1)</sup>	0,10/0,15	positive geometry R3,1								
BOCT090304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4		●						
BOCT090308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8		●						
BODT09T308R	0,05/0,15	ground finishing geometry R0,8				○				
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8				○				
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0				○				
ZOMT09T304R <sup>2)</sup>	0,10/0,15	chip splitter geometry R0,4								

<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

①  ② 

Diameter Range

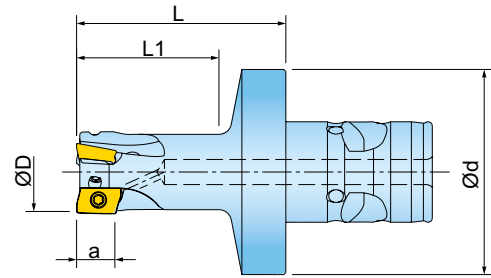
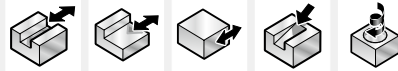
12 - 16	SM25-054-00 (1,1Nm) DS-T08S
20 - 25	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver



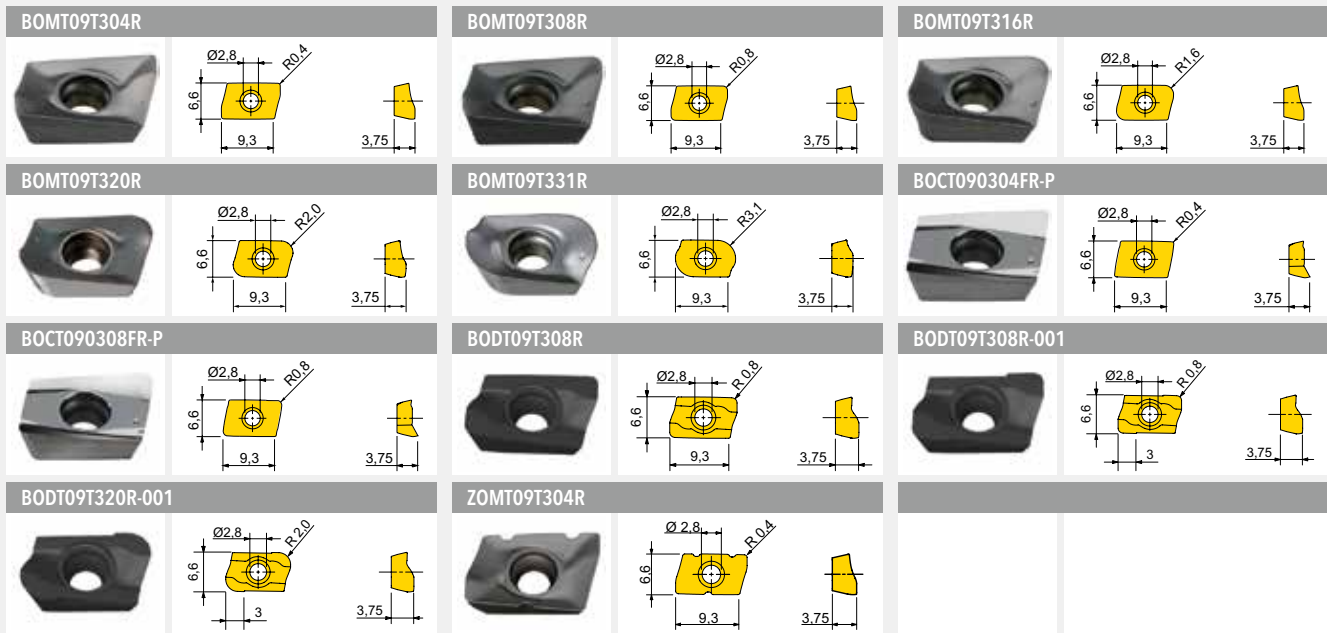
# END MILLS

## MODULAR MILLING ADAPTOR INNOFIT



Designation	D	d	L	L1	a	MOD	Z			
SB.016.002	16	49	45	28	9	40	2	10,0°	✓	0,29
SB.020.007	20	49	50	36	9	40	3	7,0°	✓	0,32
SB.020.008	20	49	70	56	9	40	2	7,0°	✓	0,36
SB.025.011	25	49	55	41	9	40	4	4,4°	✓	0,37
SB.025.012	25	49	100	86	9	40	3	4,4°	✓	0,51
SB.032.010	32	49	55	41	9	40	5	2,8°	✓	0,45

# END MILLS



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030	IN6535
BOMT09T304R	0,10/0,15	positive geometry R0,4			●		●	●	●	●
BOMT09T308R	0,10/0,15	positive geometry R0,8			●		●	●	●	●
BOMT09T316R <sup>1)</sup>	0,10/0,15	positive geometry R1,6			●		●	●		
BOMT09T320R <sup>1)</sup>	0,10/0,15	positive geometry R2,0			●		●	●		
BOMT09T331R <sup>1)</sup>	0,10/0,15	positive geometry R3,1			●		●	●		
BOCT090304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4		●						
BOCT090308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8		●						
BODT09T308R	0,05/0,15	ground finishing geometry R0,8				○				
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8				○				
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0				○				
ZOMT09T304R <sup>2)</sup>	0,10/0,15	chip splitter geometry R0,4			●		●	●	●	●

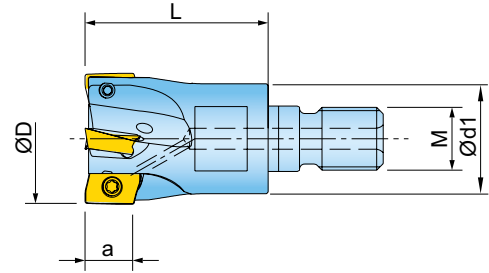
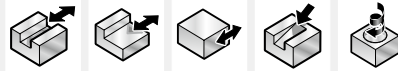
<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS	
①	②
Diameter Range	
16	SM25-054-00 (1,1Nm) DS-T08S
20 - 32	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

# END MILLS

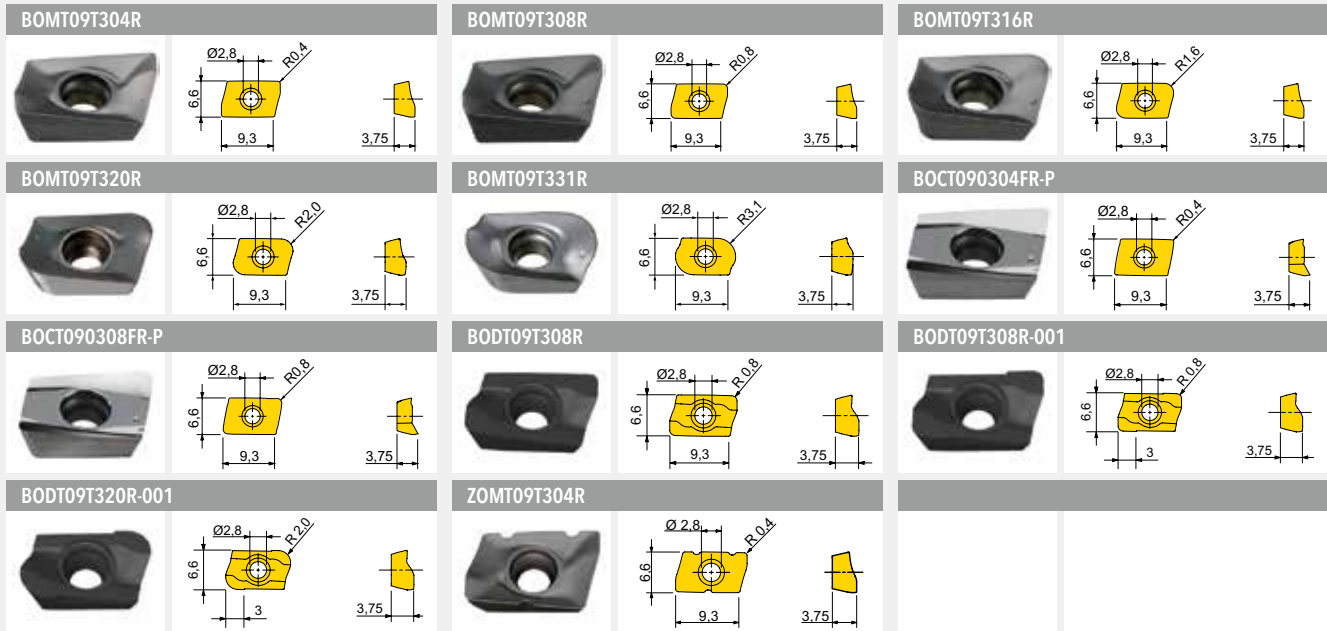
SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SB.012.002	12	11,8	30	9	6	1	1,5°	✓	0,02
SB.015.001	15	13	30	9	8	2	12,0°	✓	0,03
SB.016.003	16	13	35	9	8	2	10,0°	✓	0,03
SB.020.011	20	18	35	9	10	2	7,0°	✓	0,07
SB.020.009	20	18	35	9	10	3	7,0°	✓	0,06
SB.025.013	25	21	35	9	12	4	4,4°	✓	0,09
SB.032.012	32	29	43	9	16	4	2,8°	✓	0,20
SB.032.011	32	29	43	9	16	5	2,8°	✓	0,20

HIPDS PLUS SB09E01


# END MILLS




Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030	IN6535
BOMT09T304R	0,10/0,15	positive geometry R0,4			●		●	●	●	●
BOMT09T308R	0,10/0,15	positive geometry R0,8			●		●	●	●	●
BOMT09T316R <sup>1)</sup>	0,10/0,15	positive geometry R1,6			●		●	●		
BOMT09T320R <sup>1)</sup>	0,10/0,15	positive geometry R2,0			●		●	●		
BOMT09T331R <sup>1)</sup>	0,10/0,15	positive geometry R3,1			●		●	●		
BOCT090304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4		●						
BOCT090308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8		●						
BODT09T308R	0,05/0,15	ground finishing geometry R0,8				○				
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8				○				
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0				○				
ZOMT09T304R <sup>2)</sup>	0,10/0,15	chip splitter geometry R0,4			●		●	●	●	●

<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

① 

② 

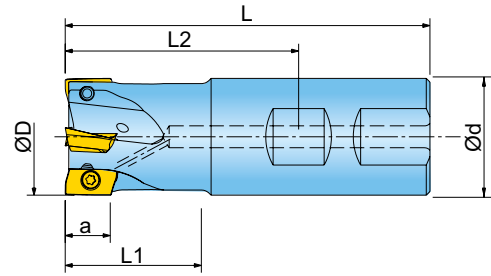
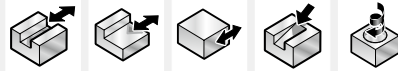
Diameter Range

12 - 16	SM25-054-00 (1,1Nm) DS-T08S
20 - 32	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

# END MILLS

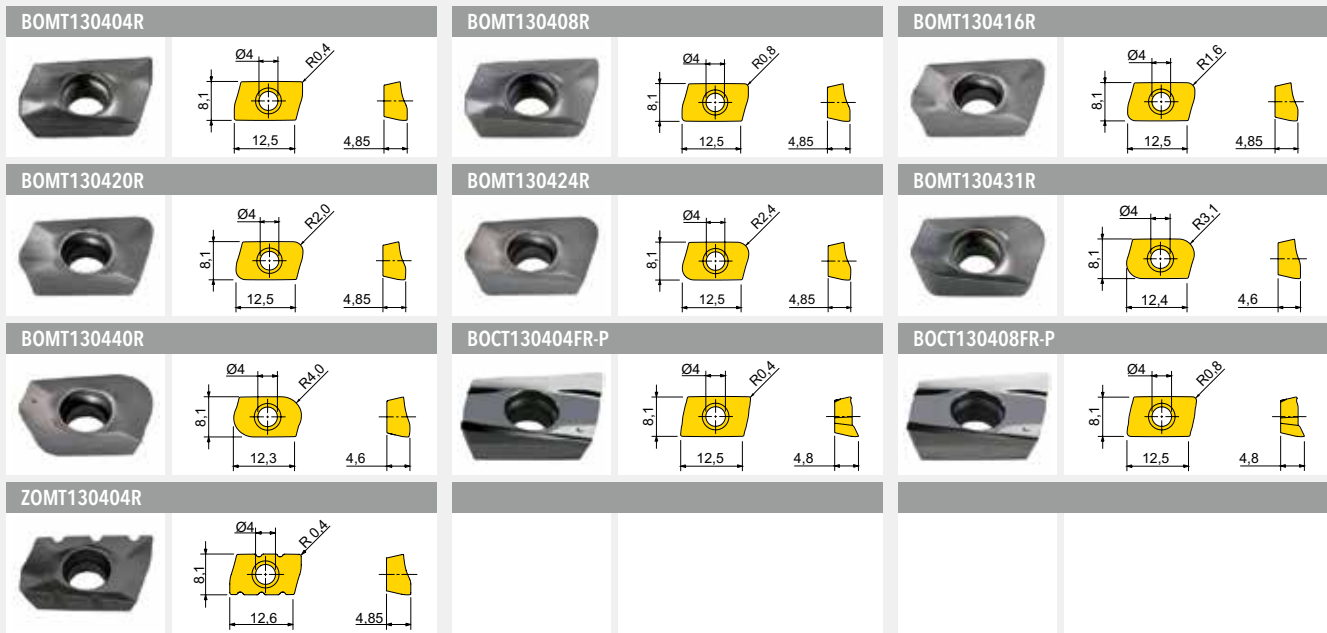
ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z			
SB.020.001	20	20	90	30	65	12	2	7,0°	✓	0,17
SB.025.015	25	25	100	40	68	12	2	7,9°	✓	0,32
SB.025.005	25	25	100	40	68	12	3	7,9°	✓	0,30
SB.032.007	32	25	100	40	68	12	4	5,0°	✓	0,33
SB.032.005	32	32	100	38	64	12	4	5,0°	✓	0,51

HIPOS PLUS SB13D03B

# END MILLS




Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2505	IN2530	IN4030	IN6535
BOMT130404R	0,12/0,20	positive geometry R0,4			●	●	●	●	●
BOMT130408R	0,12/0,20	positive geometry R0,8			●	●	●	●	●
BOMT130416R	0,12/0,20	positive geometry R1,6				●	●		
BOMT130420R	0,12/0,20	positive geometry R2,0				●	●		
BOMT130424R <sup>1)</sup>	0,12/0,20	positive geometry R2,4				●	●		
BOMT130431R <sup>1)</sup>	0,12/0,20	positive geometry R3,1			●	●	●		
BOMT130440R <sup>1)</sup>	0,12/0,20	positive geometry R4,0				●	●		
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4		●					
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8		●					
ZOMT130404R <sup>2)</sup>	0,12/0,20	chip splitter geometry R0,4			●	●	●	●	●

<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

① 

② 

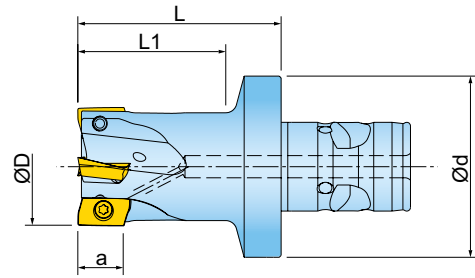
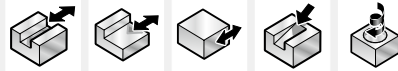
SM35-088-10 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver



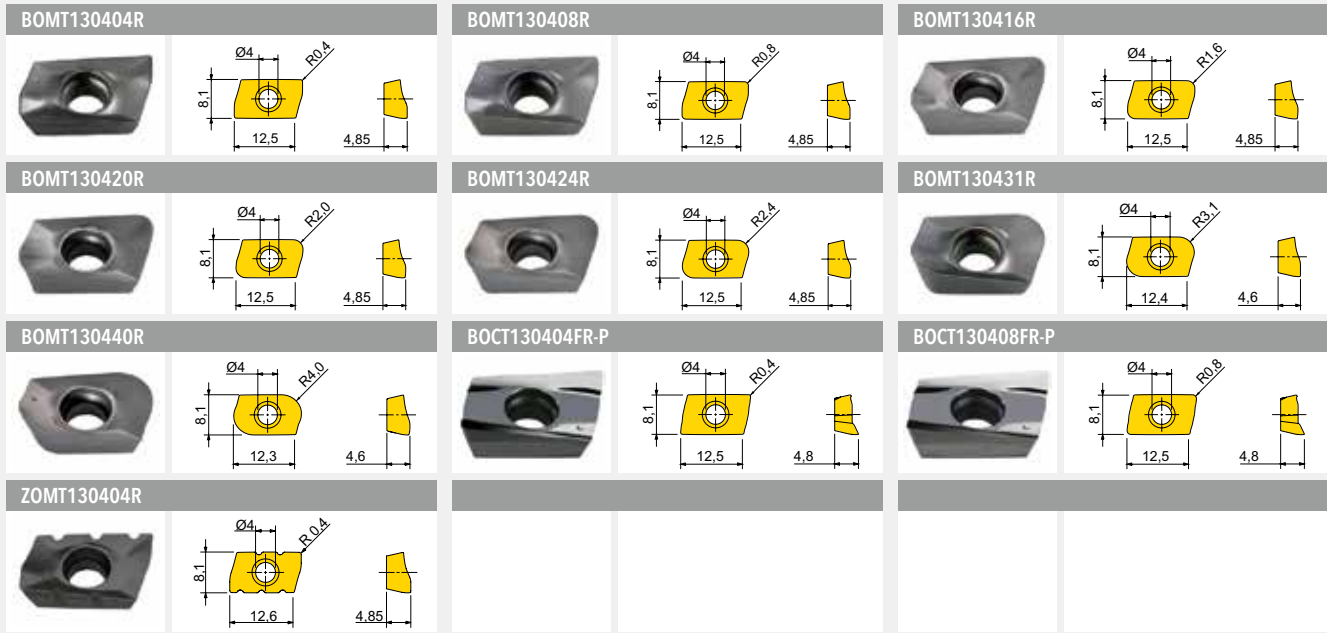
# END MILLS

## MODULAR MILLING ADAPTOR INNOFIT



Designation	D	d	L	L1	a	MOD	Z			
SB.020.003	20	49	50	36	12	40	2	7,0°	✓	0,31
SB.020.004	20	49	70	56	12	40	2	7,0°	✓	0,35
SB.025.007	25	49	55	42	12	40	3	7,9°	✓	0,36
SB.025.008	25	49	100	87	12	40	2	7,9°	✓	0,51
SB.032.008	32	49	55	42	12	40	4	5,0°	✓	0,43
SB.032.009	32	49	135	122	12	40	3	5,0°	✓	0,84

# END MILLS



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2505	IN2530	IN4030	IN6535
BOMT130404R	0,12/0,20	positive geometry R0,4			●	●	●	●	●
BOMT130408R	0,12/0,20	positive geometry R0,8			●	●	●	●	●
BOMT130416R	0,12/0,20	positive geometry R1,6				●	●		
BOMT130420R	0,12/0,20	positive geometry R2,0				●	●		
BOMT130424R <sup>1)</sup>	0,12/0,20	positive geometry R2,4				●	●		
BOMT130431R <sup>1)</sup>	0,12/0,20	positive geometry R3,1			●	●	●		
BOMT130440R <sup>1)</sup>	0,12/0,20	positive geometry R4,0				●	●		
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4		●					
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8		●					
ZOMT130404R <sup>2)</sup>	0,12/0,20	chip splitter geometry R0,4			●	●	●	●	●

<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

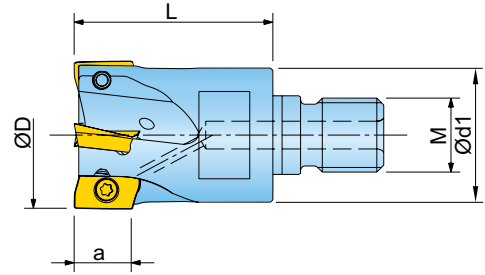
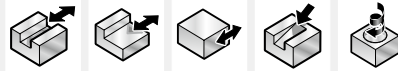
**SPARE PARTS**

SM35-088-10 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver

# END MILLS

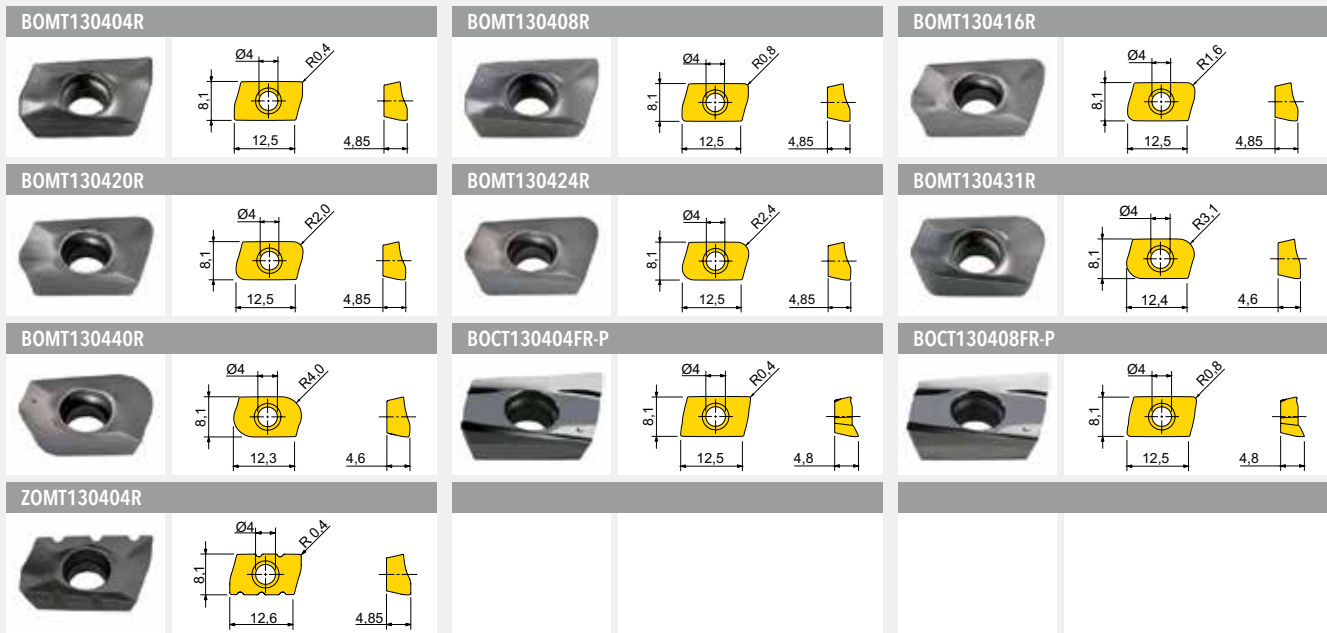
SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SB.020.002	20	18	35	12	10	2	7,0°	✓	0,06
SB.025.016	25	21	35	12	12	2	7,9°	✓	0,09
SB.025.006	25	21	35	12	12	3	7,9°	✓	0,08
SB.032.006	32	29	43	12	16	4	5,0°	✓	0,19
SB.035.001	35	29	43	12	16	4	4,2°	✓	0,20
SB.040.002	40	29	43	12	16	4	3,2°	✓	0,25
SB.040.001	40	29	43	12	16	5	3,2°	✓	0,23

HIPOS PLUS SB13E01B


# END MILLS



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2505	IN2530	IN4030	IN6535
BOMT130404R	0,12/0,20	positive geometry R0,4			●	●	●	●	●
BOMT130408R	0,12/0,20	positive geometry R0,8			●	●	●	●	●
BOMT130416R	0,12/0,20	positive geometry R1,6				●	●		
BOMT130420R	0,12/0,20	positive geometry R2,0				●	●		
BOMT130424R <sup>1)</sup>	0,12/0,20	positive geometry R2,4				●	●		
BOMT130431R <sup>1)</sup>	0,12/0,20	positive geometry R3,1			●	●	●		
BOMT130440R <sup>1)</sup>	0,12/0,20	positive geometry R4,0				●	●		
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4		●					
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8		●					
ZOMT130404R <sup>2)</sup>	0,12/0,20	chip splitter geometry R0,4			●	●	●	●	●

<sup>1)</sup> Cutter body has to be modified; <sup>2)</sup> Best results are achieved on tools with an even number of teeth. Please mount inserts alternating. ● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS**

① 

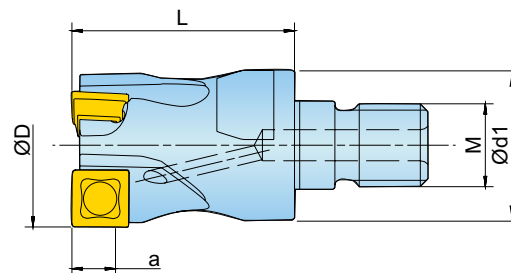
② 

SM35-088-10 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver

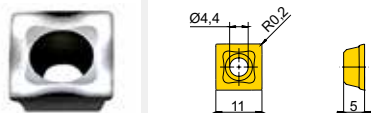
# END MILLS

SCREW-IN TYPE ADAPTION

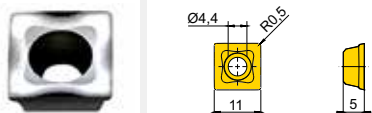


Designation	D	d1	L	a	M	Z			
SS.025.006	25	21	35	8,4	12	2	7,0°	✓	0,08
SS.032.006	32	29	43	8,4	16	3	6,0°	✓	0,18
SS.040.002	40	29	43	8,4	16	3	4,0°	✓	0,22

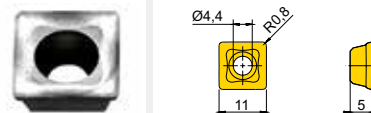
SHET110502FR-P



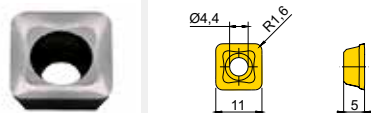
SHET110505FR-P



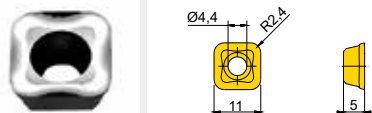
SHET110508FR-P



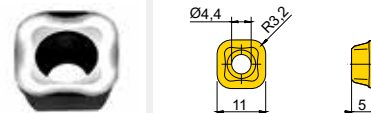
SHET110516FR-P



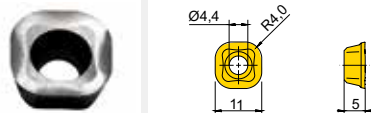
SHET110524FN-P



SHET110532FN-P



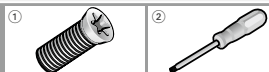
SHET110540FN-P



Designation	fz(min/max)	Design	Grade	IN15K							
SHET110502FR-P	0,05/0,30	non-ferrous geometry, polished R0,2		●							
SHET110505FR-P	0,05/0,30	non-ferrous geometry, polished R0,5		●							
SHET110508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8		●							
SHET110516FR-P	0,05/0,30	non-ferrous geometry, polished R1,6		●							
SHET110524FN-P	0,05/0,30	non-ferrous geometry, polished R2,4		●							
SHET110532FN-P	0,05/0,30	non-ferrous geometry, polished R3,2		●							
SHET110540FN-P	0,05/0,30	non-ferrous geometry, polished R4,0		●							

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



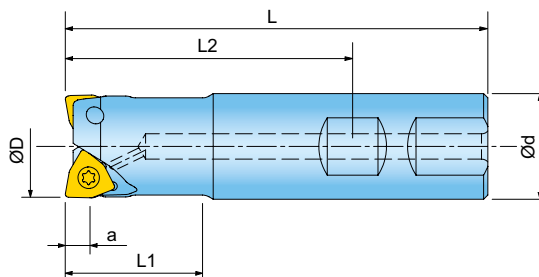
SM40-093-20 (4,5Nm) DS-T15S

① = Insert screw ② = Screw driver

ALUMINATOR SS11E01

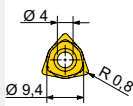
# END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z			
SW.025.001	25	25	100	30	68	5,8	2	2,9°	✓	0,32
SW.032.001	32	32	110	40	74	5,8	3	2,2°	✓	0,58
SW.040.001	40	32	115	40	79	5,8	4	1,8°	✓	0,66

WNMU060608N



Designation	fz(min/max)	Design	Grade	IN2505	IN2530						
WNMU060608N	0,13/0,35	positive geometry R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



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

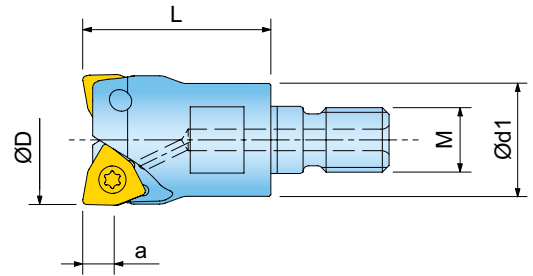
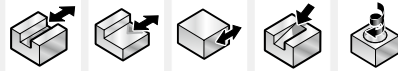
① = Insert screw ② = Screw driver

EGD 6 SW06D03



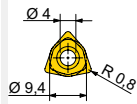
# END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d	L	a	M	Z			
SW.025.002	25	21	35	5,8	12	2	2,9°	✓	0,10
SW.032.002	32	29	43	5,8	16	3	2,2°	✓	0,21
SW.040.002	40	29	43	5,8	16	4	1,8°	✓	0,25

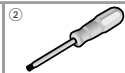
WNMU060608N



Designation	fz(min/max)	Design	Grade	IN2505	IN2530						
WNMU060608N	0,13/0,35	positive geometry R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



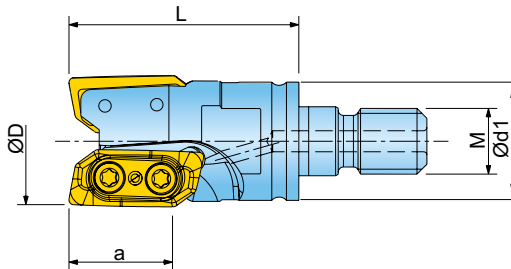
SM35-088-60 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver

ECO 6 SW06E01

# END MILLS

## SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
EX.020.001	20	18	35	15,5	10	2	4,6°	✓	0,06
EX.025.002	25	21	43	15,5	12	2	9,6°	✓	0,12
EX.032.002	32	29	43	15,5	16	3	12,2°	✓	0,21
EX.040.001	40	29	53	15,5	16	3	8,6°	✓	0,32
EX.042.002	42	29	53	15,5	16	3	8,1°	✓	0,34

<b>XPET140405FR-P</b> 	<b>XPET140408FR-P</b> 	<b>XPET140416FR-P</b> 
<b>XPET140420FR-P</b> 	<b>XPET140424FR-P</b> 	<b>XPET140430FR-P</b> 
<b>XPET140432FR-P</b> 	<b>XPET140440FR-P</b> 	<b>XPET140432FR-PW</b> 

Designation	fz(min/max)	Design	Grade	IN15K								
XPET140405FR-P	0,05/0,30	non-ferrous geometry, polished R0,5		●								
XPET140408FR-P	0,05/0,30	non-ferrous geometry, polished R0,8		●								
XPET140416FR-P	0,05/0,30	non-ferrous geometry, polished R1,6		●								
XPET140420FR-P	0,05/0,30	non-ferrous geometry, polished R2,0		●								
XPET140424FR-P	0,05/0,30	non-ferrous geometry, polished R2,4		●								
XPET140430FR-P <sup>1)</sup>	0,05/0,30	non-ferrous geometry, polished R3,0		●								
XPET140432FR-P <sup>1)</sup>	0,05/0,30	non-ferrous geometry, polished R3,2		●								
XPET140440FR-P <sup>1)</sup>	0,05/0,30	non-ferrous geometry, polished R4,0		●								
XPET140432FR-PW <sup>1)</sup>	0,05/0,30	Wiper non-ferrous geometry, polished R3,2		●								

<sup>1)</sup> Cutter body has to be modified

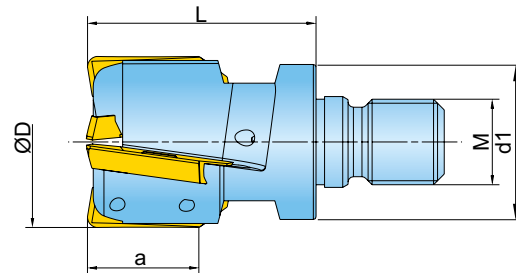
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS	
Diameter Range	
20 - 25	SM30-065-00 (2,0Nm) DS-T09S
32 - 42	SM30-082-00 (2,0Nm) DS-T09S

① = Insert screw ② = Screw driver

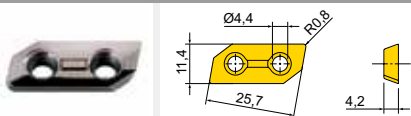
# END MILLS

SCREW-IN TYPE ADAPTION

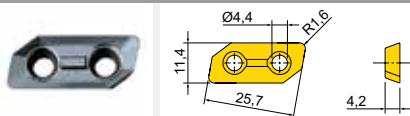


Designation	D	d1	L	a	M	Z			
EX.025.001	25	21	43	21	12	1	20,0°	✓	0,12
EX.032.001	32	29	43	21	16	2	15,0°	✓	0,15
EX.042.001	42	29	53	21	16	3	10,0°	✓	0,20

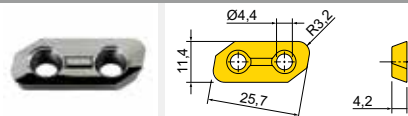
XEET250408R-P



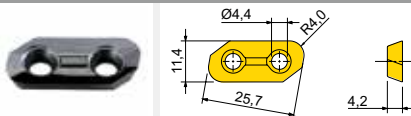
XEET250416R-P



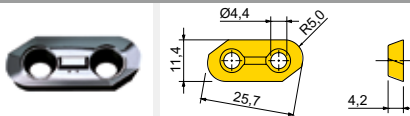
XEET250432R-P



XEET250440R-P



XEET250450R-P



Designation	fz(min/max)	Design	Grade	IN15K						
XEET250408R-P	0,05/0,35	non-ferrous geometry, polished R0,8		●						
XEET250416R-P	0,05/0,35	non-ferrous geometry, polished R1,6		●						
XEET250432R-P	0,05/0,35	non-ferrous geometry, polished R3,2		●						
XEET250440R-P	0,05/0,35	non-ferrous geometry, polished R4,0		●						
XEET250450R-P <sup>1)</sup>	0,05/0,35	non-ferrous geometry, polished R5,0		●						

<sup>1)</sup>Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

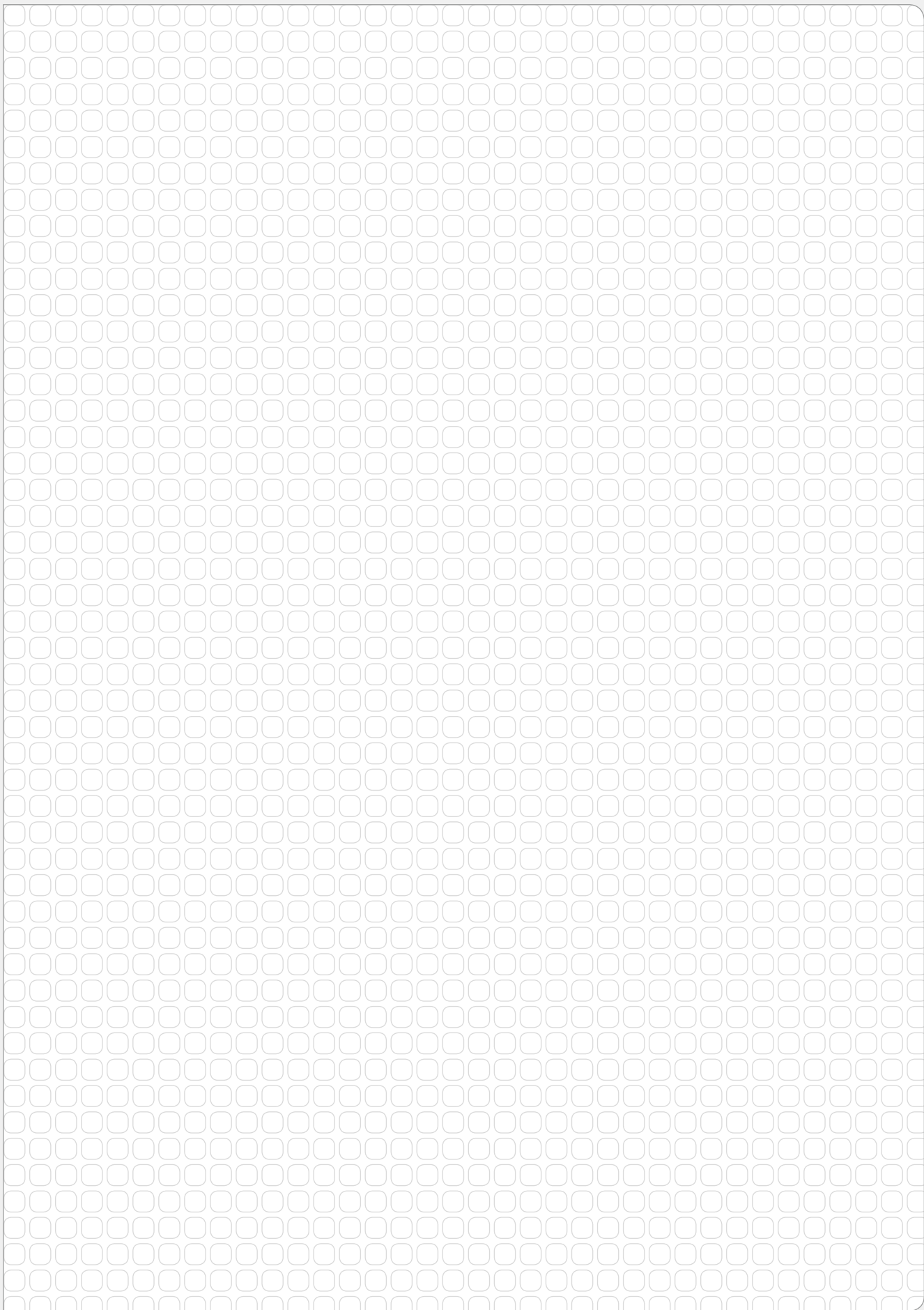


SM40-070-00 (4,5Nm) DS-T15S

① = Insert screw ② = Screw driver

ALUMINATOR EX25E01

# END MILLS

A large grid of small circles, intended for taking notes. The grid consists of 20 columns and 40 rows of circles, each circle being approximately 10x10 units in size.

NOTES