

END MILLS

	D	a	Description	Code	Page
	10 - 25	5,7	HIPOS MICRO SA06D02	SA06D02	16
	9,5 - 25	5,7	HIPOS MICRO SA06D03	SA06D03	17
	10 - 35	5,7	HIPOS MICRO SA06E01	SA06E01	18
	12 - 25	9	HIPOS PLUS SB09D03	SB09D03	20
	12 - 35	9	HIPOS PLUS SB09E01	SB09E01	22
	20 - 32	12	HIPOS PLUS SB13D03B	SB13D03B	24
	20 - 40	12	HIPOS PLUS SB13E01B	SB13E01B	26
	16 - 32	3,8	EBD 6 SW04D03	SW04D03	28
	16 - 40	3,8	EBD 6 SW04E01	SW04E01	29
	25 - 40	5,8	EBD 6 SW06D03	SW06D03	30
	25 - 40	5,8	EBD 6 SW06E01	SW06E01	31
	25 - 40	8,4	ALUMINATOR SS11E01	SS11E01	32

Subject to printing error or technical changes.

END MILLS

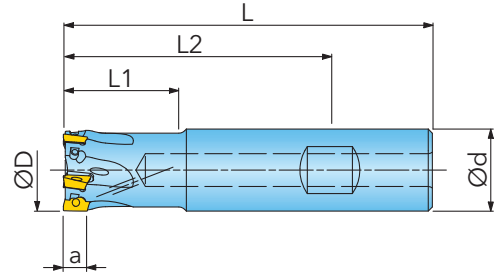
	D	a	Description	Code	Page

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

AOMT060202R 	AOMT060204R 	AOMT060208R
AOMT060216R 	AOCT060204FR-P 	AOMT060202R-DT1
UOMT0602TR 		

Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2504	IN2505	IN2530	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 ¹⁾	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								

¹⁾Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H



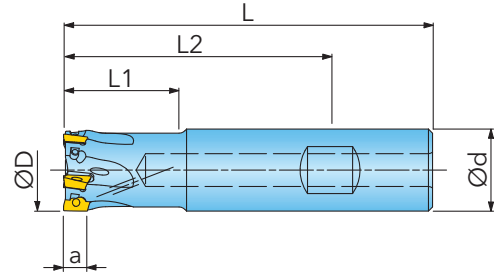
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS MICRO SA06D02

END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z			
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

AOMT060202R 	AOMT060204R 	AOMT060208R
AOMT060216R 	AOCT060204FR-P 	AOMT060202R-DT1
UOMT0602TR 		

Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2504	IN2505	IN2530	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 ¹⁾	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							

¹⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

① ②

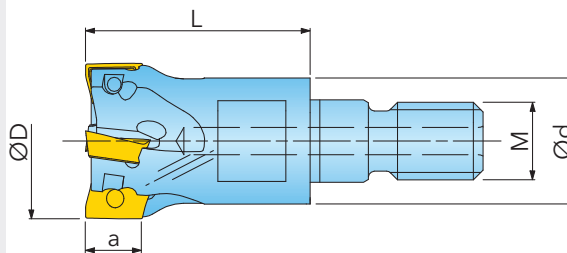
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS-MICRO SA06D03

END MILLS

SCREW-IN TYPE ADAPTION

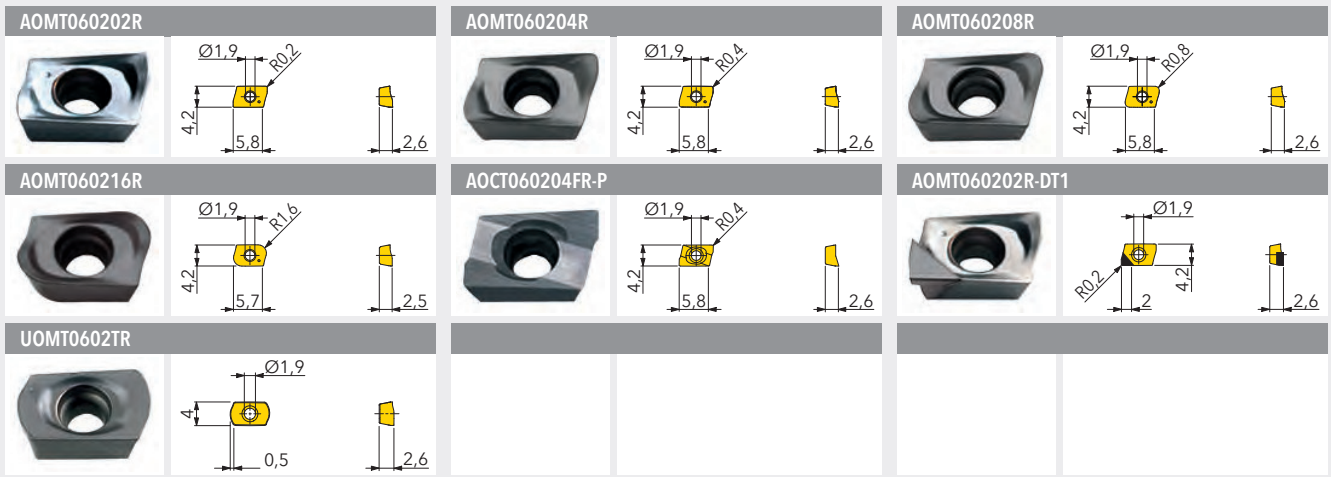


Designation	D	d1	L	a	M	Z			
SA.010.009	10	9,8	17	5,7	M6	2	10	✓	0,01
SA.012.008	12	11,8	23	5,7	M6	3	6,5	✓	0,02
SA.015.002	15	13	23	5,7	M8	4	4,4	✓	0,02
SA.016.010	16	13	23	5,7	M8	4	4,0	✓	0,03
SA.020.016	20	18	30	5,7	M10	5	2,5	✓	0,06
SA.025.016	25	21	35	5,7	M12	7	2,0	✓	0,10
SA.030.001	30	29	43	5,7	M16	8	1,7	✓	0,21
SA.032.018	32	29	43	5,7	M16	8	1,6	✓	0,22
SA.035.002	35	29	43	5,7	M16	9	1,4	✓	0,24

Programming radius 1mm

HIPOS MICRO SA06E01

END MILLS



Designation	fz(min/max)	Design	Grade	IN05S	IN2035	IN2504	IN2505	IN2530	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 ¹⁾	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									

¹⁾Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

①

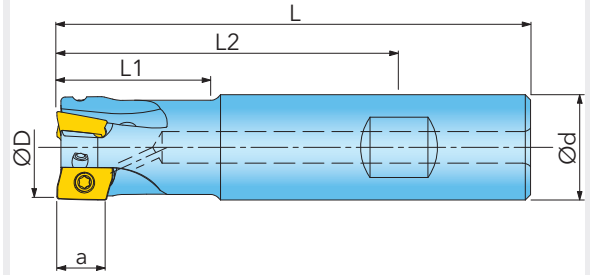
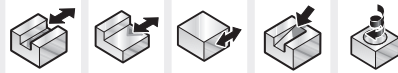
②

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

① = Insert screw ② = Screw driver

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

HIPOS PLUS SB09D03

SPARE PARTS



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

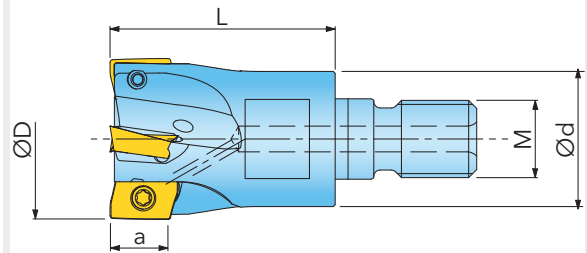


Designation	fz(min/max)	Design	Grade	IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4					●	●	●	●	
BOMT09T308R	0,10/0,15	positive geometry R0,8				●	●	●	●	●	
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6				●	●	●	●	●	
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0				●	●	●	●	●	
BOMT09T331R ¹⁾	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		●							
BOMT09T304R-DT1	0,05/0,20	with short PCD-tip R0,4									●
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4									●
BODT09T304R	0,05/0,15	ground finishing geometry R0,4			●		●				
BODT09T304R-001	0,05/0,15	finishing geometry, short R0,4			●		●				
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 ²⁾	0,10/0,15	chip splitter geometry R0,4				●		●	●	●	

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

END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SB.012.002	12	11,8	30	9	M6	1	1,5	✓	0,02
SB.015.001	15	13	30	9	M8	2	12,0	✓	0,03
SB.016.003	16	13	35	9	M8	2	10,0	✓	0,03
SB.020.011	20	18	35	9	M10	2	7,0	✓	0,07
SB.020.009	20	18	35	9	M10	3	7,0	✓	0,06
SB.025.013	25	21	35	9	M12	4	4,4	✓	0,09
SB.032.012	32	29	43	9	M16	4	2,8	✓	0,20
SB.032.011	32	29	43	9	M16	5	2,8	✓	0,20
SB.035.002	35	29	43	9	M16	5	2,5	✓	0,22

HIPOS PLUS SB09E01

SPARE PARTS



Diameter Range

12 - 16	SM25-054-00 (1,1Nm) DS-T08S
20 - 35	SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

END MILLS

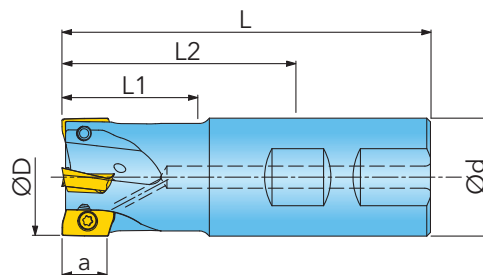


Designation	fz(min/max)	Design	Grade	IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4				●	●	●	●		
BOMT09T308R	0,10/0,15	positive geometry R0,8				●	●	●	●	●	
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6				●	●	●	●		
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0				●	●	●	●		
BOMT09T331R ¹⁾	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		●							
BOMT09T304R-DT1	0,05/0,20	with short PCD-tip R0,4									●
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4									●
BODT09T304R	0,05/0,15	ground finishing geometry R0,4			●		●				
BODT09T304R-001	0,05/0,15	finishing geometry, short R0,4			●		●				
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 ²⁾	0,10/0,15	chip splitter geometry R0,4				●		●	●	●	

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

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

SPARE PARTS



SM35-088-10 (3,0Nm) DST10S

① = Insert screw ② = Screw driver

END MILLS

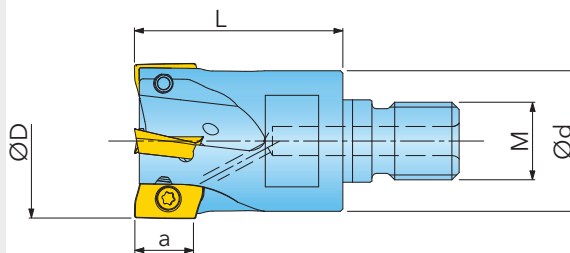


Designation	fz(min/max)	Design	Grade	IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4					●	●	●	●	
BOMT130408R	0,12/0,20	positive geometry R0,8					●	●	●	●	
BOMT130416R	0,12/0,20	positive geometry R1,6						●	●	●	
BOMT130420R	0,12/0,20	positive geometry R2,0						●	●	●	
BOMT130424R ¹⁾	0,12/0,20	positive geometry R2,4						●	●	●	
BOMT130431R ¹⁾	0,12/0,20	positive geometry R3,1				●		●	●	●	
BOMT130440R ¹⁾	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	●								
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4									●
BODT130404R	0,05/0,20	ground finishing geometry R0,4		●			●				
BODT130404R-001	0,05/0,20	finishing geometry, short R0,4		●			●				
BODT130408R	0,05/0,20	ground finishing geometry R0,8		●			●				
BODT130408R-001	0,05/0,20	finishing geometry, short R0,8		●			●				
ZOMT130404R ²⁾	0,12/0,20	chip splitter geometry R0,4				●		●	●	●	

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

END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SB.020.002	20	18	35	12	M10	2	7,0	✓	0,06
SB.025.016	25	21	35	12	M12	2	7,9	✓	0,09
SB.025.006	25	21	35	12	M12	3	7,9	✓	0,08
SB.032.006	32	29	43	12	M16	4	5,0	✓	0,19
SB.035.001	35	29	43	12	M16	4	4,2	✓	0,20
SB.040.002	40	29	43	12	M16	4	3,2	✓	0,25
SB.040.001	40	29	43	12	M16	5	3,2	✓	0,23

HIPOS PLUS SB13E01B

SPARE PARTS



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

① = Insert screw ② = Screw driver

END MILLS

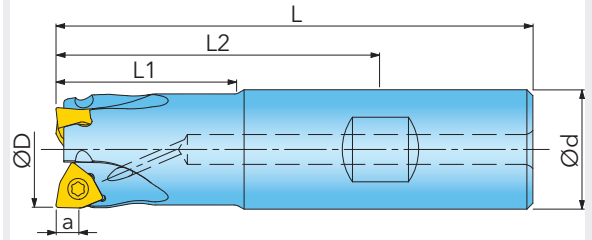
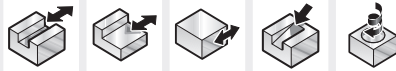


Designation	fz(min/max)	Design	Grade									
				IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D	
BOMT130404R	0,12/0,20	positive geometry R0,4					●	●	●	●	●	
BOMT130408R	0,12/0,20	positive geometry R0,8					●	●	●	●	●	
BOMT130416R	0,12/0,20	positive geometry R1,6						●	●	●	●	
BOMT130420R	0,12/0,20	positive geometry R2,0						●	●	●	●	
BOMT130424R ¹⁾	0,12/0,20	positive geometry R2,4						●	●	●	●	
BOMT130431R ¹⁾	0,12/0,20	positive geometry R3,1				●		●	●	●	●	
BOMT130440R ¹⁾	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	●									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4										●
BODT130404R	0,05/0,20	ground finishing geometry R0,4		●				●				
BODT130404R-001	0,05/0,20	finishing geometry, short R0,4		●				●				
BODT130408R	0,05/0,20	ground finishing geometry R0,8		●				●				
BODT130408R-001	0,05/0,20	finishing geometry, short R0,8		●				●				
ZOMT130404R ²⁾	0,12/0,20	chip splitter geometry R0,4				●		●	●	●	●	

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

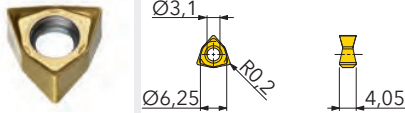
END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)

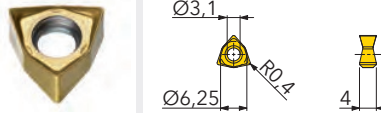


Designation	D	d	L	L1	L2	a	Z			
SW.016.001	16	16	85	26	61	3,8	2	3,0	✓	0,11
SW.020.001	20	20	90	30	65	3,8	3	2,4	✓	0,18
SW.025.003	25	25	100	40	68	3,8	5	1,9	✓	0,33
SW.032.003	32	25	100	40	68	3,8	6	1,5	✓	0,35

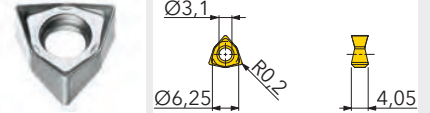
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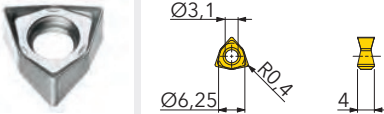
WNMU04T304N



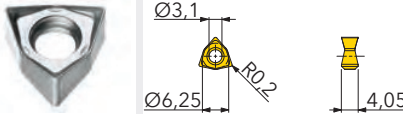
WNCU04T302FN-P



WNCU04T304FN-P



WNCU04T308FN-P



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030
WNMU04T302N	0,07/0,18	positive geometry R0,2							
WNMU04T304N	0,07/0,18	positive geometry R0,4							
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2							
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4							
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8							

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



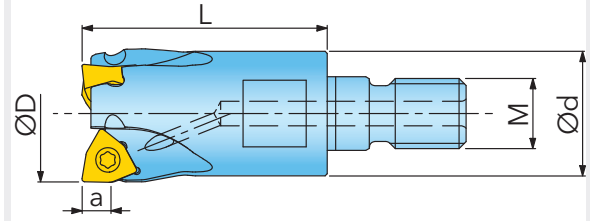
SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

ECO 6 SW04D03

END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SW.016.002	16	13	23	3,8	M8	2	3,0	✓	0,03
SW.020.002	20	18	35	3,8	M10	3	2,4	✓	0,07
SW.025.004	25	21	35	3,8	M12	5	1,9	✓	0,10
SW.032.004	32	29	43	3,8	M16	6	1,5	✓	0,22
SW.035.001	35	29	43	3,8	M16	6	1,7	✓	0,23
SW.040.003	40	29	43	3,8	M16	7	2,1	✓	0,25

WNUMU04T302N	WNUMU04T304N	WNCU04T302FN-P
 Ø3,1 Ø6,25 R0,2 4,05	 Ø3,1 Ø6,25 R0,4 4	 Ø3,1 Ø6,25 R0,2 4,05
WNCU04T304FN-P	WNCU04T308FN-P	
 Ø3,1 Ø6,25 R0,4 4	 Ø3,1 Ø6,25 R0,2 4,05	

Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030
WNUMU04T302N	0,07/0,18	positive geometry R0,2							
WNUMU04T304N	0,07/0,18	positive geometry R0,4							
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2							
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4							
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8							

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

①

②

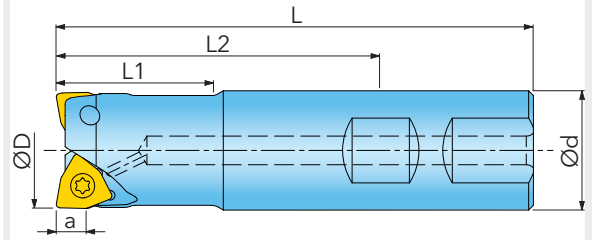
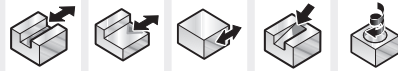
SM25-064-00 (1,1Nm) DS-T08S

① = Insert screw ② = Screw driver

ECO 6 SW04E01

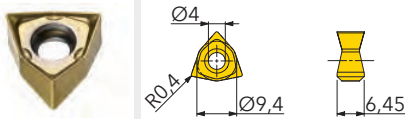
END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)

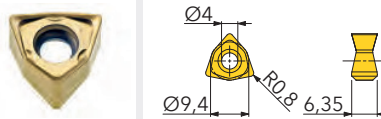


Designation	D	d	L	L1	L2	a	Z			
SW.025.001	25	25	100	30	68	5,8	2	2,9	✓	0,32
SW.032.001	32	32	110	40	74	5,8	3	2,2	✓	0,58
SW.040.001	40	32	115	40	79	5,8	4	1,8	✓	0,66

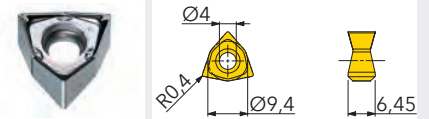
WNMU060604N



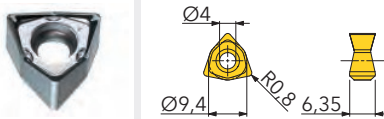
WNMU060608N



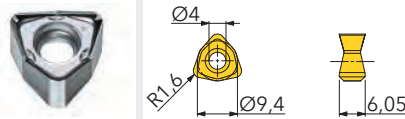
WNCU060604FN-P



WNCU060608FN-P



WNCU060616FN-P



Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030
WNMU060604N	0,13/0,35	positive geometry R0,4							
WNMU060608N	0,13/0,35	positive geometry R0,8							
WNCU060604FN-P	0,05/0,35	non-ferrous geometry R0,4							
WNCU060608FN-P	0,05/0,35	non-ferrous geometry R0,8							
WNCU060616FN-P	0,05/0,35	non-ferrous geometry R1,6							

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS



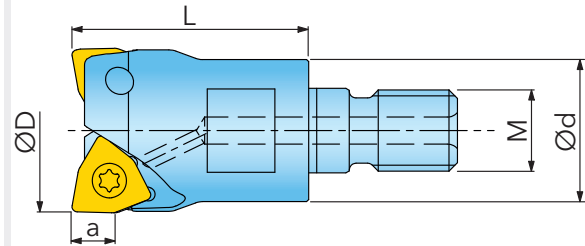
SM35-088-60 (3,0Nm) DS-T10S

① = Insert screw ② = Screw driver

ECO 6 SW06D03

END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SW.025.002	25	21	35	5,8	M12	2	2,9	✓	0,10
SW.032.002	32	29	43	5,8	M16	3	2,2	✓	0,21
SW.040.002	40	29	43	5,8	M16	4	1,8	✓	0,25

WNCU060604N	WNCU060608N	WNCU060604FN-P
WNCU060608FN-P	WNCU060616FN-P	

Designation	fz(min/max)	Design	Grade	IN10K	IN2035	IN2504	IN2505	IN2530	IN4030
WNCU060604N	0,13/0,35	positive geometry R0,4							
WNCU060608N	0,13/0,35	positive geometry R0,8							
WNCU060604FN-P	0,05/0,35	non-ferrous geometry R0,4							
WNCU060608FN-P	0,05/0,35	non-ferrous geometry R0,8							
WNCU060616FN-P	0,05/0,35	non-ferrous geometry R1,6							

● = P ● = M ● = K ● = N ● = S ○ = H

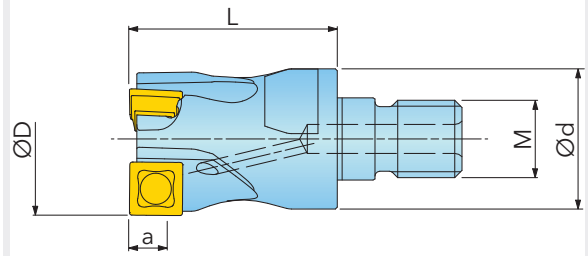
SPARE PARTS		
	SM35-088-60 (3,0Nm) DS-T10S	

① = Insert screw ② = Screw driver

ECO 6 SW06E01

END MILLS

SCREW-IN TYPE ADAPTION



Designation	D	d1	L	a	M	Z			
SS.025.006	25	21	35	8,4	M12	2	7,0	✓	0,08
SS.032.006	32	29	43	8,4	M16	3	6,0	✓	0,18
SS.040.002	40	29	43	8,4	M16	3	4,0	✓	0,22

ALUMINATOR SS11E01