

HELICAL END MILLS



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Subject to printing error or technical changes.

HELICAL END MILLS

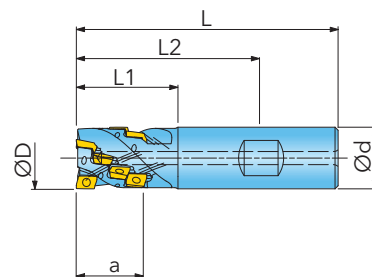
D	a	Description	Code	Page



Subject to printing error or technical changes.

HELICAL END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z	Zeff			
IA.016.001	16	16	80	30	56	16,5	6	2	4,0	✓	0,10
IA.019.001	19	20	85	32	60	22	12	3	2,6	✓	0,16
IA.020.003	20	20	85	32	60	22	12	3	2,5	✓	0,16
IA.022.001	22	20	85	32	60	22	16	4	2,3	✓	0,17
IA.025.003	25	25	95	36	63	27	20	4	2,0	✓	0,29

Designation	Technical Drawing	Grade
AOMT060202R		IN05S, IN2035, IN2504, IN2505, IN2530
AOMT060204R		IN05S, IN2035, IN2504, IN2505, IN2530
AOMT060208R		IN05S, IN2035, IN2504, IN2505, IN2530
AOMT060216R		IN05S, IN2035, IN2504, IN2505, IN2530
AOCT060204FR-P		IN05S, IN2035, IN2504, IN2505, IN2530

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

¹⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

①

②

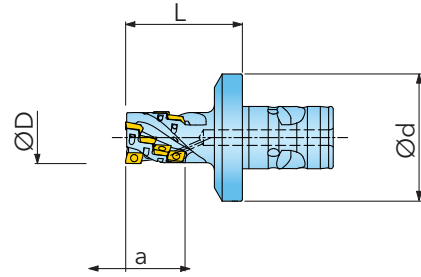
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS MICRO IA06D03

HELICAL END MILLS

MODULAR MILLING ADAPTOR INNOFIT



Designation	D	d	L	L1	a	MOD	Z	Zeff			
IA.016.002	16	49	45	32	17	40	6	2	4,0	✓	0,27
IA.020.004	20	49	45	32	22	40	12	3	2,5	✓	0,28
IA.025.004	25	49	55	43	27	40	20	4	2,0	✓	0,34

AOMT060202R	AOMT060204R	AOMT060208R
AOMT060216R	AOCT060204FR-P	

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

¹⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

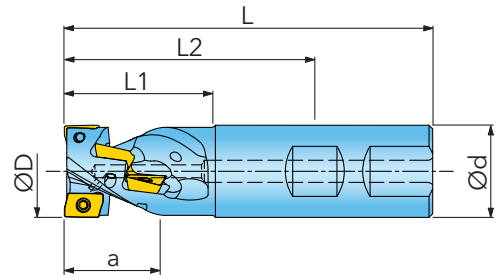
SM18-041-00 (0,5Nm) DS-TP06S (TX-Plus)

① = Insert screw ② = Screw driver

HIPOS MICRO IA06M01

HELICAL END MILLS

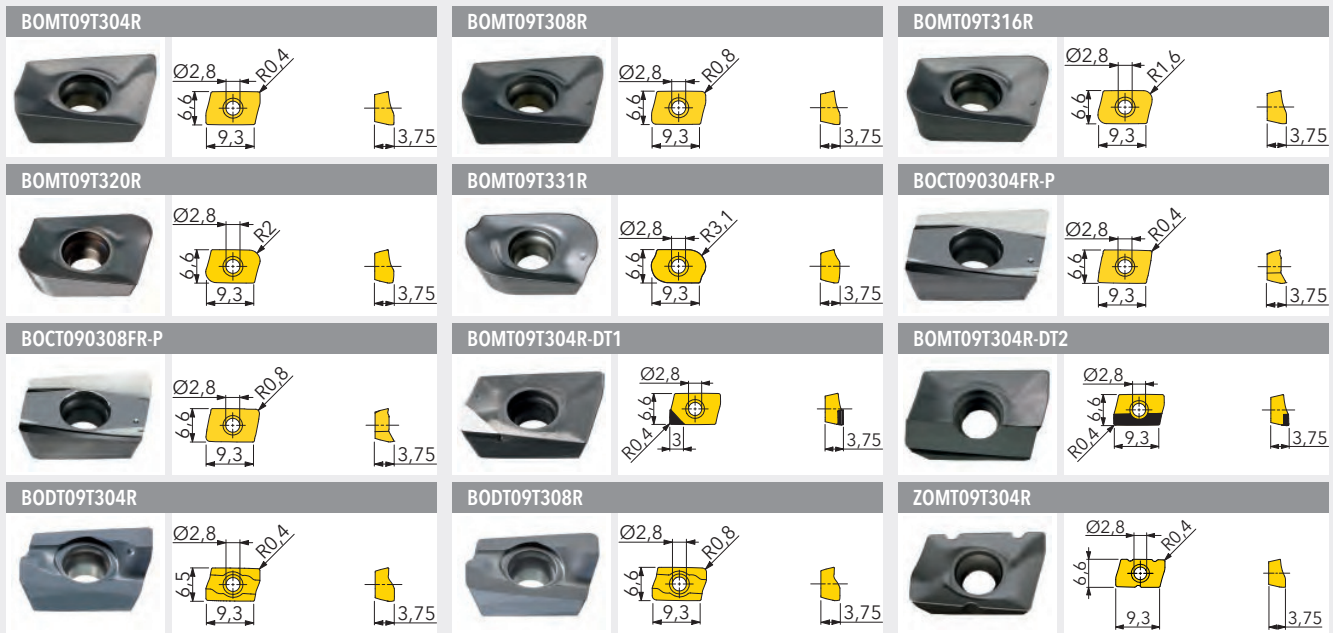
ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z	Z _{eff}			
IB.025.001	25	25	100	40	68	26	6	2	4,4	✓	0,28
IB.032.007	32	32	110	50	74	34	8	2	2,8	✓	0,56
IB.032.005	32	32	110	50	74	34	12	3	2,8	✓	0,52

HIPOS PLUS IB09D03

HELICAL 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			●		●				
BODT09T308R	0,05/0,15	ground finishing geometry R0,8			●		●				
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

SPARE PARTS

① 

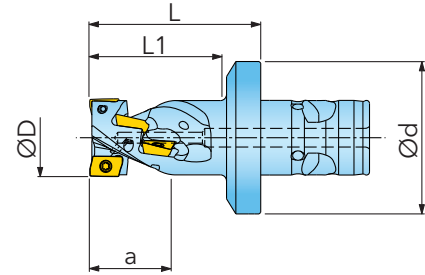
② 

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

① = Insert screw ② = Screw driver

HELICAL END MILLS

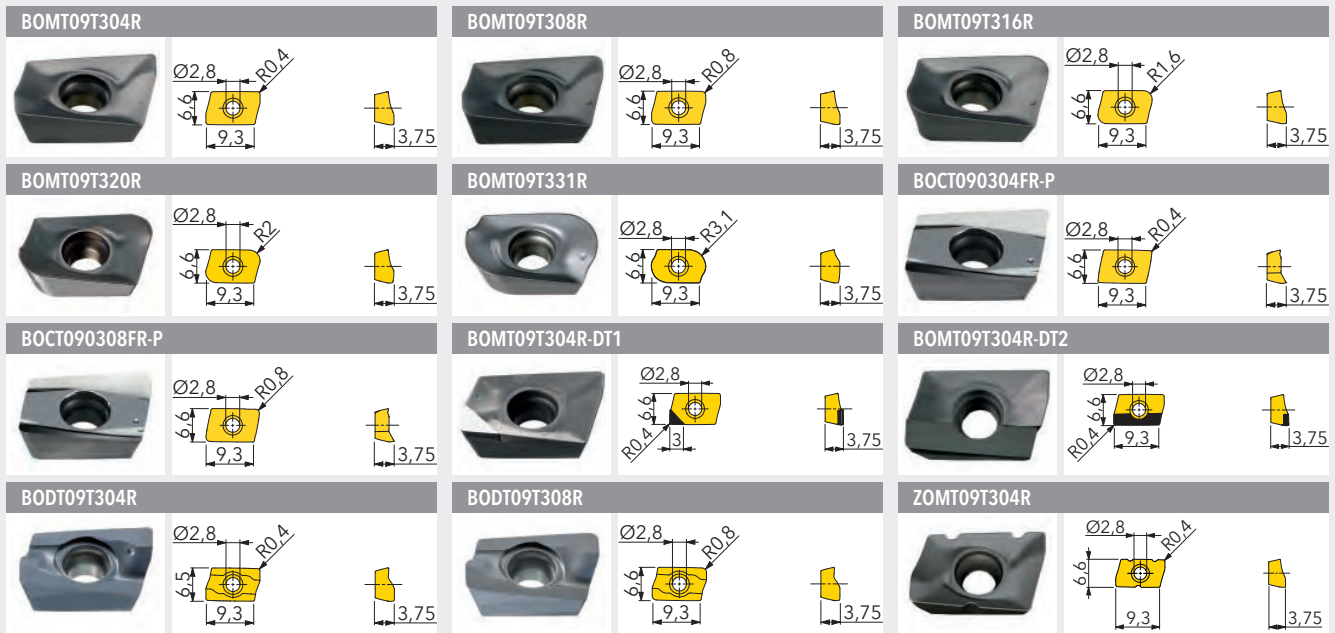
MODULAR MILLING ADAPTOR INNOFIT



Designation	D	d	L	L1	a	MOD	Z	Z _{eff}			
IB.025.002	25	49	55	43	26	40	6	2	4,4	✓	0,33
IB.028.001	28	49	72	60	34	40	8	2	3,7	✓	0,42
IB.032.008	32	49	72	60	34	40	8	2	2,8	✓	0,51
IB.032.006	32	49	72	60	34	40	12	3	2,8	✓	0,48
IB.040.014	40	49	72	60	42,5	40	20	4	2,4	✓	0,58

HIPOS PLUS IB09M01

HELICAL 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		●			●				
BODT09T308R	0,05/0,15	ground finishing geometry R0,8		●			●				
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

SPARE PARTS

① 

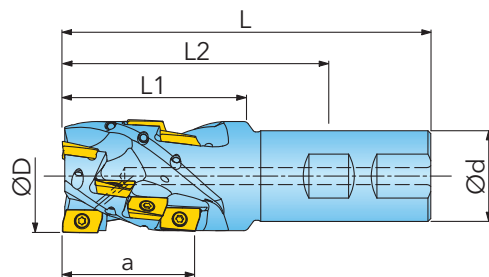
② 

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

① = Insert screw ② = Screw driver

HELICAL END MILLS

ADAPTION ACC. TO DIN 1835 B (WELDON)



Designation	D	d	L	L1	L2	a	Z	Zeff			
IB.032.003	32	32	110	48	74	35	6	2	5,0	✓	0,50
IB.040.015	40	32	130	65	94	46	8	2	3,2	✓	0,77
IB.040.008	40	32	130	65	94	46	12	3	3,2	✓	0,71

HIPOS PLUS IB13D02B

SPARE PARTS



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

① = Insert screw ② = Screw driver

HELICAL END MILLS

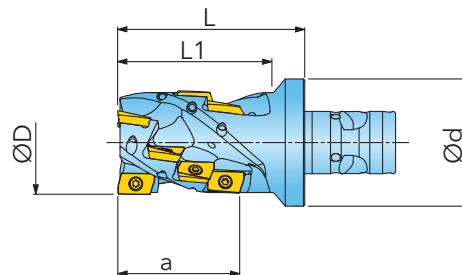


Designation	fz(min/max)	Design	Grade	IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4				●	●	●	●	●	
BOMT130408R	0,12/0,20	positive geometry R0,8				●	●	●	●	●	
BOMT130416R	0,12/0,20	positive geometry R1,6					●	●	●		
BOMT130420R	0,12/0,20	positive geometry 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		●			●				
BODT130408R	0,05/0,20	ground finishing geometry R0,8		●			●				
ZOMT130404R ²⁾	0,12/0,20	chip splitter geometry R0,4			●			●	●	●	

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HELICAL END MILLS

MODULAR MILLING ADAPTOR INNOFIT



Designation	D	d	L	L1	a	MOD	Z	Zeff		
IB.032.004	32	49	60	49	35	40	6	2	5,0	✓ 0,38
IB.040.017	40	49	72	60	46	40	8	2	3,2	✓ 0,60
IB.040.010	40	49	72	60	46	40	12	3	3,2	✓ 0,54
IB.040.021	40	49	72	60	46	40	16	4	3,2	✓ 0,57
IB.040.018	40	49	94	83	69	40	12	2	3,2	✓ 0,70
IB.040.024	40	49	94	83	69	40	24	4	3,2	✓ 0,67
IB.040.011	40	49	94	83	69	40	18	3	3,2	✓ 0,64
IB.040.019	40	78	100	79	69	50	12	2	3,2	✓ 1,34
IB.040.012	40	78	100	79	69	50	18	3	3,2	✓ 1,28
IB.040.020	40	78	112	91	81	50	14	2	3,2	✓ 1,40
IB.040.013	40	78	112	91	81	50	21	3	3,2	✓ 1,32
IB.050.009	50	49	72	72	46	40	16	4	2,1	✓ 0,80
IB.050.010	50	78	100	80	69	50	24	4	2,1	✓ 1,60
IB.063.007	63	78	120	102	92	50	32	4	1,4	✓ 2,43
IB.063.008	63	78	143	125	115	50	40	4	1,4	✓ 2,76
IB.063.009	63	78	166	148	138	50	48	4	1,4	✓ 3,09

HIPOS PLUS IB13M01B

SPARE PARTS



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

① = Insert screw ② = Screw driver

HELICAL END MILLS

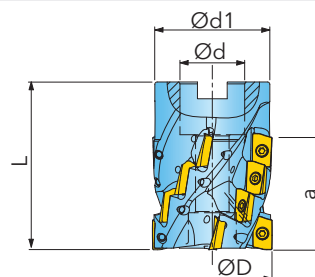


Designation	fz(min/max)	Design	Grade	IN10K	IN0560	IN2035	IN2504	IN2505	IN2530	IN4030	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4				●	●	●	●	●	
BOMT130408R	0,12/0,20	positive geometry R0,8				●	●	●	●	●	
BOMT130416R	0,12/0,20	positive geometry R1,6					●	●	●		
BOMT130420R	0,12/0,20	positive geometry 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		●			●				
BODT130408R	0,05/0,20	ground finishing geometry 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

HELICAL END MILLS

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	a	Z	Zeff			
IB.040.016	40	16	36	55	35	6	2	3,2	✓	0,28
IB.040.009	40	16	36	55	35	9	3	3,2	✓	0,23
IB.050.012	50	22	48	70	46	16	4	2,1	✓	0,54
IB.050.008	50	27	48	70	46	16	4	2,1	✓	0,48
IB.063.006	63	27	55	70	46	16	4	1,4	✓	0,98
IB.080.004	80	32	73	70	46	16	4	1,0	✓	1,66
IB.080.003	80	32	73	70	46	20	5	1,0	✓	1,62

HIPOS PLUS IB13D10B

SPARE PARTS



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

① = Insert screw ② = Screw driver

HELICAL 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		●			●				
BODT130408R	0,05/0,20	ground finishing geometry 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