

Member IMC Group
Ingersoll
Cutting Tools

NEW PRODUCTS 2012





INGERSOLL WERKZEUGE - THE COMPANY

Ingersoll Werkzeuge GmbH is specialized in the production of boring, threading, turning and cutting tools with an extremely vibration-free performance in both standard and special-purpose design.

Together with very successful solutions for heavy-duty milling and the project-oriented development of special cutting tool solutions, we offer a whole range of technology potential which is applied by the most various industries. The close cooperation

with our customers for the development of technically demanding solutions for milling problems is the basis of long-term and durable partnerships - worldwide. Small as well as medium-size companies but also international enterprises trust our professional qualification and profit from the reliability and process security of our cutting tools.





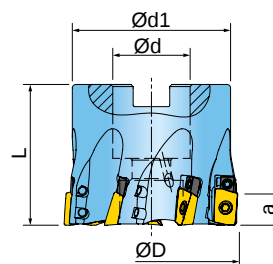
NEUHEITEN 2012

- ▶ **HiPOS⁺** Adjustable Shoulder-Type Face Mill **2J5P**Seite 06
- ▶ **GOLD[®]MAX[®]** Shoulder-Type Face Mill **9J_G**Seite 07
- ▶ **GOLD[®]MAX[®]** Shoulder-Type Face Mill **VJ_K**Seite 08
- ▶ **EVOTEC[®]MAX[®]** Shoulder-Type Face Mill **SJ_Y**Seite 09
- ▶ **HFD[®]MINI[®]** HiFeed Cutter **1DP1E**Seite 10
- ▶ **HFD[®]MINI[®]** HiFeed Cutter **DP5E**Seite 11
- ▶ **S[®]MAX[®]** HiFeed Cutter **SP5H**Seite 12
- ▶ Cartridge Mill **4W3A**Seite 14-15
- ▶ **SLOT[®]MAX[®]** Slot Mill **38L5**Seite 16-21
- ▶ **EVOTEC[®]MAX[®]** Slot Mill **3SJ6Y**Seite 22-23
- ▶ **FORM[®]MASTER[®]V[®]** Adjustable Finish Mill **5V2D**Seite 24
- ▶ **SOLID[®]CARBIDE[®]** HPCSeite 25-27



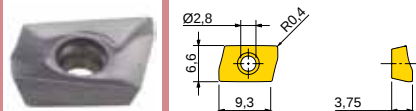


ADAPTION ACC. TO DIN 8030

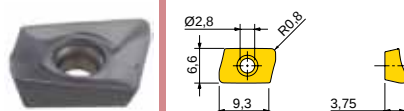


Designation	D	d	d1	L	a	Z	IK	kg
2J5P032R00	32	16	30	32	9	5	✓	0,09
2J5P040R00	40	16	30	40	9	6	✓	0,16
2J5P050R00	50	22	45	40	9	7	✓	0,32
2J5P063R00	63	22	55	40	9	8	✓	0,56
2J5P080R00	80	27	70	50	9	10	✓	1,30

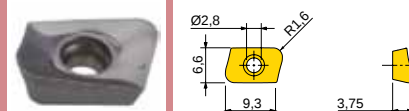
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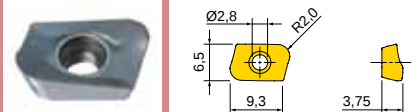
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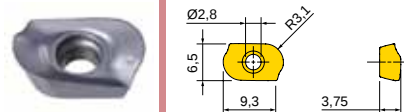
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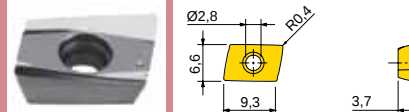
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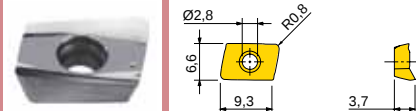
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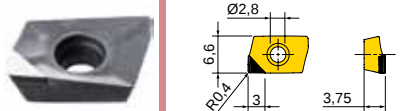
BOCT09T304FR-P



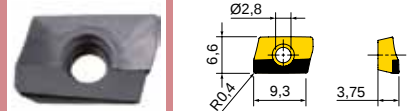
BOCT09T308FR-P



BOMT09T304R-DT1



BOMT09T304R-DT2

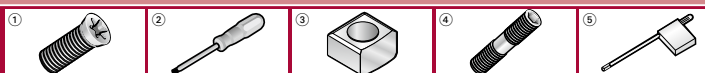


Designation	Design	Grade	IN10K	IN2005	IN2010	IN2035	IN2505	IN2530	IN2540	IN90D
BOMT09T304R	positive geometry R0,4									
BOMT09T308R	positive geometry R0,8									
BOMT09T316R ¹⁾	positive geometry R1,6									
BOMT09T320R ¹⁾	positive geometry R2,0									
BOMT09T331R ¹⁾	positive geometry R3,1									
BOCT09T304FR-P	non-ferrous geometry, polished R0,4									
BOCT09T308FR-P	non-ferrous geometry, polished R0,8									
BOMT09T304R-DT1	with short PCD-tip R0,4									
BOMT09T304R-DT2	with long PCD-tip R0,4									

¹⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS



SM25-064-00

DS-T08S

PAR5092

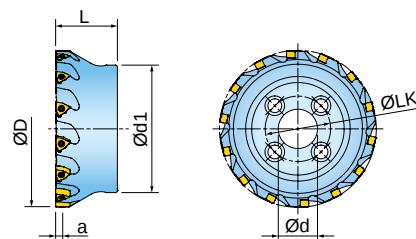
SB025-00

DS-T05F

① = Insert screw ② = Screw driver ③ = Wedge ④ = Differential screw ⑤ = Screw driver

SHOULDER-TYPE FACE MILL 9J_G

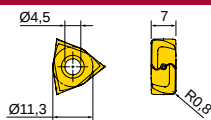
ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	LK	L	a	Z		
9J5G040R00 ¹⁾	40	16	38	-	40	7	4	✓	0,21
9J6G050R00	50	22	45	-	40	7	4	✓	0,32
9J5G050R00 ¹⁾	50	22	45	-	40	7	5	✓	0,32
9J6G063R00	63	22	55	-	40	7	5	✓	0,56
9J5G063R00 ¹⁾	63	22	55	-	40	7	7	✓	0,56
9J6G080R00	80	27	70	-	50	7	7	✓	1,25
9J5G080R00 ¹⁾	80	27	70	-	50	7	9	✓	1,24
9J6G100R00	100	32	85	-	50	7	8	✓	1,94
9J5G100R00 ¹⁾	100	32	85	-	50	7	11	✓	1,94
9J6G125R00	125	40	100	-	63	7	11	✓	3,60
9J5G125R00 ¹⁾	125	40	100	-	63	7	14	✓	3,74
9J6G160R00	160	40	110	66,7	63	7	14		4,70
9J5G160R00 ¹⁾	160	40	110	66,7	63	7	18		4,90

¹⁾ Narrow spacing (only for short chip producing materials)

WFM-34R100



Designation	Design	Grade	IN2005	IN2505	IN2515	IN2540	IN6515			
WFM-34R100	positive geometry R0,8									

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

SPARE PARTS



SM40-120-00

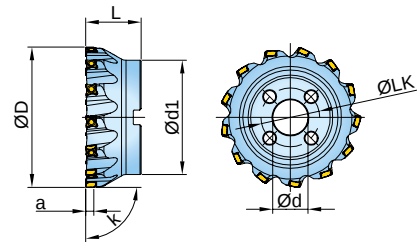
DS-T15S

① = Insert screw ② = Screw driver



GOLDMAX⁸ SHOULDER-TYPE FACE VJ_K

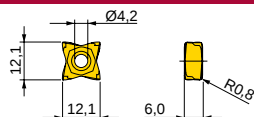
ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	LK	L	κ	a	Z		
VJ5K050R00 ¹⁾	50	22	45	-	40	90	8,7	6	✓	0,39
VJ6K050R00	50	22	45	-	40	90	8,7	5	✓	0,37
VJ5K063R00 ¹⁾	63	22	55	-	40	90	8,7	8	✓	0,65
VJ6K063R00	63	22	55	-	40	90	8,7	6	✓	0,63
VJ5K080R00 ¹⁾	80	27	70	-	50	90	8,7	10	✓	1,31
VJ6K080R00	80	27	70	-	50	90	8,7	8	✓	1,28
VJ5K100R00 ¹⁾	100	32	80	-	50	90	8,7	13	✓	2,02
VJ6K100R00	100	32	80	-	50	90	8,7	9	✓	1,93
VJ5K125R00 ¹⁾	125	40	100	-	63	90	8,7	16		4,00
VJ6K125R00	125	40	100	-	63	90	8,7	10		3,97
VJ5K160R00 ¹⁾	160	40	130	66,7	63	90	8,7	21		5,16
VJ6K160R00	160	40	130	66,7	63	90	8,7	13		4,90

¹⁾ Narrow spacing (only for short chip producing materials)

SGM-44R001



Designation	Design	Grade	IN2505	IN2515	IN2530	IN2540	IN6515			
SGM-44R001	positive geometry R0,8									

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS



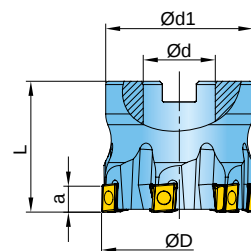
SM40-120-20

DS-T15S

① = Insert screw ② = Screw driver

EVOTECOMAX™ SHOULDER-TYPE FACE MILL SJ_Y

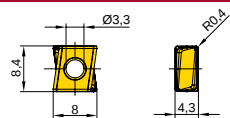
ADAPTION ACC. TO DIN 8030



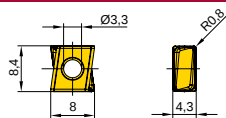
Designation	D	d	d1	L	a	Z			
SJ6Y032R00	32	16	30	32	7,5	3	0,3°	✓	0,09
SJ5Y032R00 ¹⁾	32	16	30	32	7,5	5	0,3°	✓	0,10
SJ6Y040R00	40	22	38	40	7,5	4	0,3°	✓	0,19
SJ5Y040R00 ¹⁾	40	22	38	40	7,5	6	0,3°	✓	0,35
SJ6Y050R00	50	22	45	40	7,5	5	0,2°	✓	0,33
SJ5Y050R00 ¹⁾	50	22	45	40	7,5	7	0,2°	✓	0,35
SJ6Y063R00	63	22	55	40	7,5	6	0,2°	✓	0,53
SJ5Y063R00 ¹⁾	63	22	55	40	7,5	9	0,2°	✓	0,54
SJ6Y080R00	80	27	70	50	7,5	7	0,1°	✓	1,22
SJ5Y080R00 ¹⁾	80	27	70	50	7,5	11	0,1°	✓	1,25

¹⁾ Narrow spacing (only for short chip producing materials)

DGM212R100



DGM212R101



Designation	Design	Grade	IN2004	IN2005	IN2015	IN2030	IN2035	IN6510	IN6515
DGM212R100	positive geometry R0,4								
DGM212R101	positive geometry R0,8								

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS

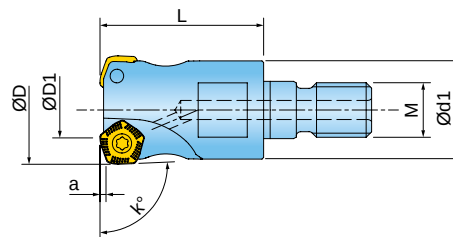


SM30-082-20

DS-TP08S (TX-Plus)

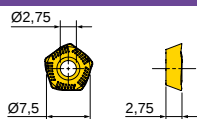
① = Insert screw ② = Screw driver

SCREW-IN TYPE ADAPTION



Designation	D	D1	d1	L	κ	a	M	Z			
1DP1E020030X6R00	20	10,6	18	30	92	1	10	2	9,6°	✓	0,05
1DP1E025035X7R00	25	15,4	21	35	92	1	12	3	5,2°	✓	0,09
1DP1E032043X8R00	32	22,4	29	43	92	1	16	5	3,4°	✓	0,20
1DP1E035043X8R00	35	25,4	29	43	92	1	16	5	3,0°	✓	0,21
1DP1E040043X8R00	40	30,4	29	43	92	1	16	5	2,5°	✓	0,22
1DP1E042043X8R00	42	32,4	29	43	92	1	16	5	2,3°	✓	0,24
Programming radius 2,5mm											

PEMT0502ZCTR-HR



Designation	Design	Grade	IN2035	IN2505	IN2530					
PEMT0502ZCTR-HR	positive geometry									

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS

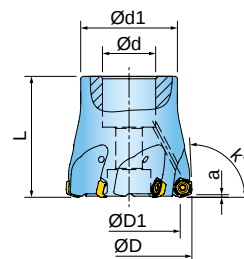


SM25-064-00

DS-T08S

① = Insert screw ② = Screw driver

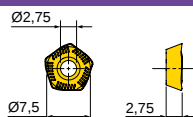
ADAPTION ACC. TO DIN 8030



Designation	D	D1	d	d1	L	κ	α	Z		IK	kg
DP5E040R00	40	30,4	16	30	40	92	1	5	2,5°	✓	0,16
DP5E050R00	50	40,4	22	40	50	92	1	6	1,8°	✓	0,37
DP5E052R00	52	42,4	22	40	50	92	1	6	1,7°	✓	0,38
DP5E063R00	63	53,4	27	48	50	92	1	7	1,4°	✓	0,58
DP5E066R00	66	56,4	27	48	50	92	1	7	1,4°	✓	0,61

Programming radius 2,5mm

PEMT0502ZCTR-HR



Designation	Design	Grade	IN2035	IN2505	IN2530						
PEMT0502ZCTR-HR	positive geometry										

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS

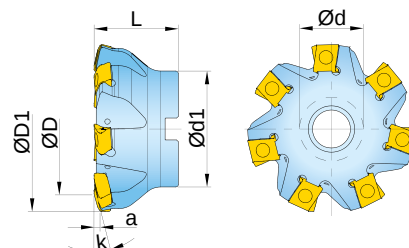


SM25-064-00

DS-T08S

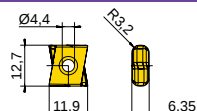
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ADAPTION ACC. TO DIN 8030

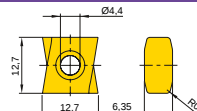


Designation	D	D1	d	d1	L	κ	a	Z			
SP5H040R00	40	57,3	16	45	40	13	3	5	0,5	✓	0,46
SP5H050R00	50	67,7	22	45	40	13	3	6	0,5	✓	0,59
SP5H063R00	63	80,9	22	55	40	13	3	7	0,5	✓	0,90
SP5H080R00	80	98,2	27	70	50	13	3	9	0,5	✓	1,85
SP5H100R00	100	118,4	32	85	50	13	3	11	0,5	✓	2,70
SP5H125R00	125	143,5	40	100	63	13	3	13	0,5	✓	4,90

DPM324R004



DPM324R126



Designation	Design	Grade	IN2005	IN2015	IN2040	IN6515				
DPM324R004	positive geometry R3,2									
DPM324R126	positive finishing geometry									

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS



SM40-120-20

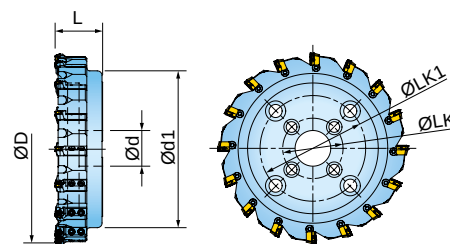
DS-T15S

① = Insert screw ② = Screw driver

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

CARTRIDGE MILL 4W3A

ADAPTION ACC. TO DIN 8030

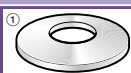


Designation	D	d	d1	LK	LK1	L	Z	kg
4W3A100R00	100	32	64	-	-	63	6	1,69
4W3A125R00	125	40	64	-	-	63	8	2,90
4W3A125R01 ¹⁾	125	40	64	-	-	63	10	2,59
4W3A160R00	160	40	90	66,7	-	63	9	4,24
4W3A160R01 ¹⁾	160	40	90	66,7	-	63	12	4,04
4W3A200R00	200	60	130	101,6	-	63	12	7,30
4W3A200R01 ¹⁾	200	60	130	101,6	-	63	16	7,01
4W3A250R00	250	60	130	101,6	-	63	14	11,80
4W3A250R01 ¹⁾	250	60	130	101,6	-	63	20	11,40
4W3A315R00	315	60	225	101,6	177,8	80	16	23,10
4W3A315R01 ¹⁾	315	60	225	101,6	177,8	80	22	22,40

Cartridges have to be ordered separately

¹⁾ Narrow spacing (only for short chip producing materials)

ZUBEHÖR



SR062-01



SC03-28

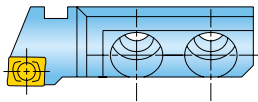
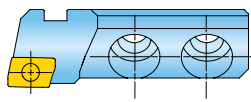
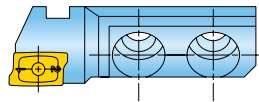
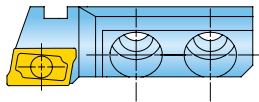
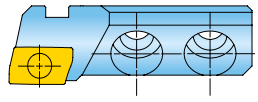
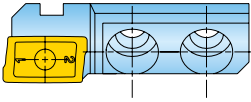
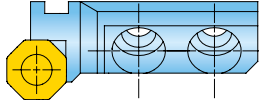
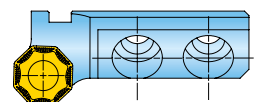
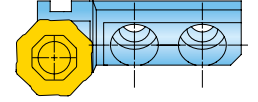
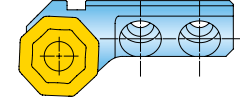
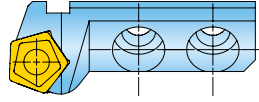
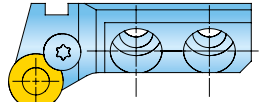
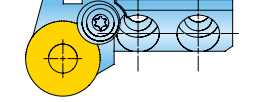
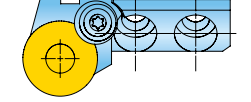
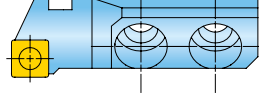
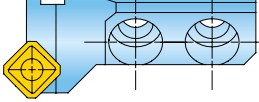
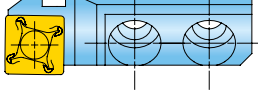
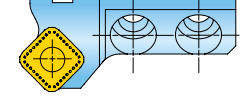
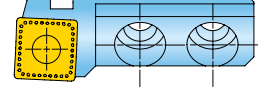
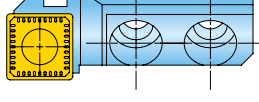
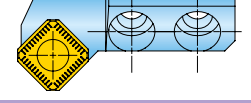
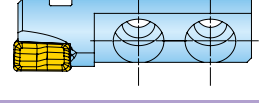
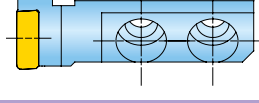
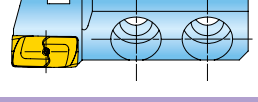


DS-H05T



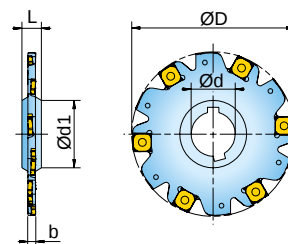
WS-5002

① = Spring washer ② = Setting screw ③ = Wrench ④ = Screw driver

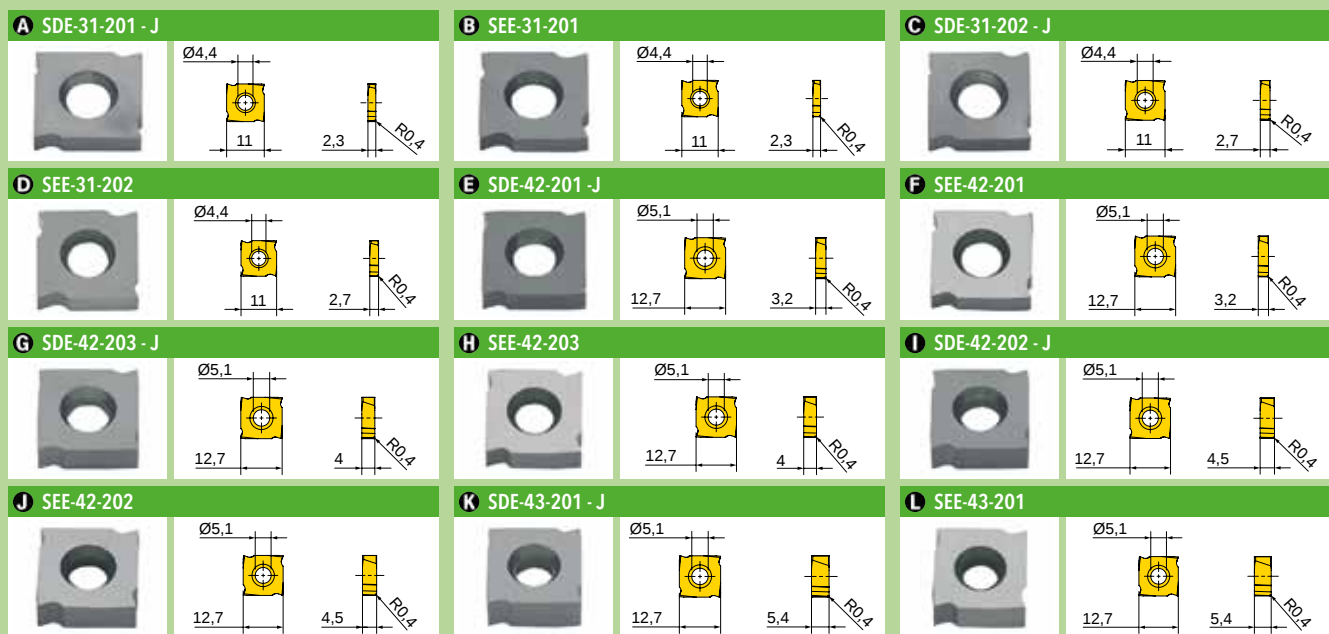
52M174R00	52P175R00	52F174R00	52C174R00
			
52R175R00	52K174R00	55H214R00	59H215R00
			
55L234R00	59N266R00	55G195R00	55H235R00
			
55K255R00	55M255R00	55E174R00	55F224R00
			
55H174R00	59H245R00	59H185R00	55J184R00
			
55J264R00	55J244R00	55E175R00	52B175R00
			
56G175R00			
			

Designation	Insert Typ	Remark	Designation	Insert Typ	Remark
52M174R00	APKT080304R		55E174R00	SDMT080305N	
52P175R00	BOMT09T304R		55F224R00	SEKT09T3AFN	
52F174R00	AOMT110304R		55H174R00	SDMT120608R	
52C174R00	BCKT130404R		59H245R00	SNGU1205ENN	
52R175R00	BOMT130404R		59H185R00	SNGU130608TN	
52K174R00	AOMT160508R		55J184R00	SHLT140508TN-HR	
55H214R00	OFMT05T3AFN-HR		55J264R00	SHLT140508TN-HR	
59H215R00	ONCU0505ANTN-HR		55J244R00	SHLT1405APTN-HR	
55L234R00	OFMT0705AFR-HR		55E175R00	DPM324R001	
59N266R00	ONCU090612TN-HR		52B175R00	YDA323L101	wiper finishing insert, tangential
55G195R00	PNCU0805GNTR		56G175R00	WFM-34R100	
55H235R00	RHKW1204M0TN				
55K255R00	RHKW1605M0TN				
55M255R00	RHKW2006M0TN				

ADAPTION ACC. TO DIN 138



Designation	D	d	d1	L	b	Z	Z _{eff}		Related Insert
38L5G063004BA-00	63	22	34	8	4	8	4	0,06	AB
38L5G063005BA-00	63	22	34	8	5	8	4	0,07	CD
38L5H063006BA-00	63	22	34	8	6	6	3	0,07	EF
38L5H063007BA-00	63	22	34	12	7/8	6	3	0,09	GH IJ
38L5H063009BA-00	63	22	34	12	9	6	3	0,10	KL
38L5H063010BA-00	63	22	34	12	10	6	3	0,12	KL
38L5G080004BA-00	80	22	34	8	4	10	5	0,11	AB
38L5G080005BA-00	80	22	34	8	5	10	5	0,13	CD
38L5H080006BA-00	80	22	34	8	6	8	4	0,14	EF
38L5H080007BA-00	80	22	34	12	7/8	8	4	0,16	GH IJ
38L5H080009BA-00	80	22	34	12	9	8	4	0,19	KL
38L5H080010BA-00	80	22	34	12	10	8	4	0,22	KL
38L5G100004BB-00	100	27	41	12	4	12	6	0,20	AB
38L5G100005BB-00	100	27	41	12	5	12	6	0,24	CD
38L5H100006BB-00	100	27	41	12	6	10	5	0,25	EF
38L5H100007BB-00	100	27	41	12	7/8	10	5	0,28	GH IJ
38L5H100009BB-00	100	27	41	12	9	10	5	0,34	KL
38L5H100010BB-00	100	27	41	12	10	10	5	0,38	KL
38L5G125004BD-00	125	40	55	12	4	14	7	0,33	AB
38L5G125005BD-00	125	40	55	12	5	14	7	0,38	CD
38L5H125006BD-00	125	40	55	12	6	12	6	0,39	EF
38L5H125007BD-00	125	40	55	12	7/8	12	6	0,44	GH IJ
38L5H125009BD-00	125	40	55	12	9	12	6	0,54	KL
38L5H125010BD-00	125	40	55	12	10	12	6	0,60	KL
38L5G160004BD-00	160	40	55	12	4	18	9	0,52	AB
38L5G160005BD-00	160	40	55	12	5	18	9	0,64	CD
38L5H160006BD-00	160	40	55	12	6	16	8	0,65	EF
38L5H160007BD-00	160	40	55	12	7/8	16	8	0,75	GH IJ
38L5H160009BD-00	160	40	55	12	9	16	8	0,96	KL
38L5H160010BD-00	160	40	55	12	10	16	8	1,08	KL
38L5H200006BE-00	200	50	69	12	6	18	9	1,05	EF
38L5H200007BE-00	200	50	69	12	7/8	18	9	1,23	GH IJ
38L5H200009BE-00	200	50	69	12	9	18	9	1,57	KL
38L5H200010BE-00	200	50	69	12	10	18	9	1,76	KL



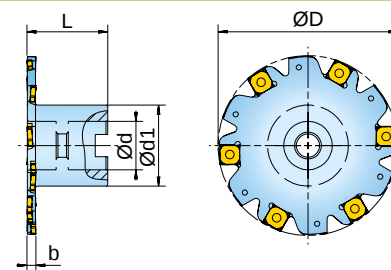
Designation	Design	Grade	IN30M	IN2030							
SDE-31-201 - J	positive geometry										
SEE-31-201	non-ferrous geometry										
SDE-31-202 - J	positive geometry										
SEE-31-202	non-ferrous geometry										
SDE-42-201 - J	positive geometry										
SEE-42-201	non-ferrous geometry										
SDE-42-203 - J	positive geometry										
SEE-42-203	non-ferrous geometry										
SDE-42-202 - J	positive geometry										
SEE-42-202	non-ferrous geometry										
SDE-43-201 - J	positive geometry										
SEE-43-201	non-ferrous geometry										

● = P ● = M ● = K ● = N ● = S ● = H

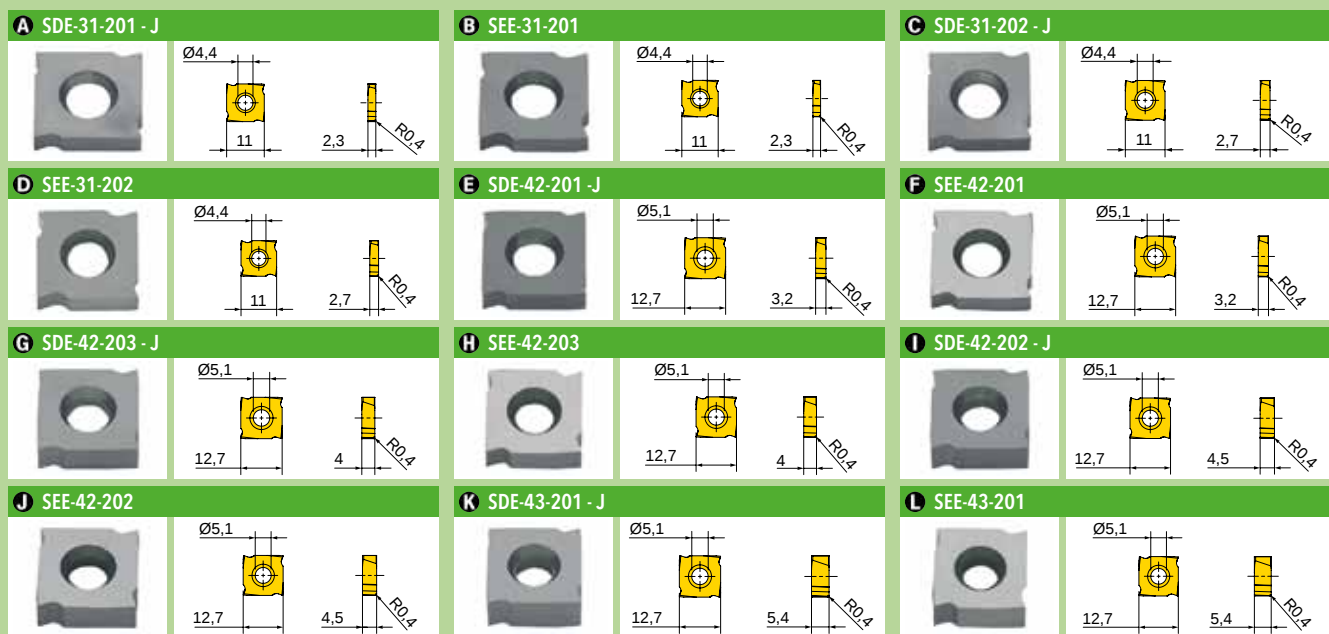
SPARE PARTS		
①		②
Cutting Width		
4	SM35-034-50	DS-T09S
5	SM35-042-50	DS-T09S
6	SM40-050-50	DS-T15S
7/8	SM40-060-50	DS-T15S
9 - 10	SM40-080-50	DS-T15S

① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 8030



Designation	D	d	d1	L	b	Z	Z _{eff}		Related Insert
38L5G063004F0R00	63	16	30	32	4	8	4	0,17	AB
38L5G063005F0R00	63	16	30	32	5	8	4	0,18	CD
38L5H063006F0R00	63	16	30	32	6	6	3	0,18	EF
38L5H063007F0R00	63	16	30	32/32,5	7/8	6	3	0,20	GHIJ
38L5H063009F0R00	63	16	30	32	9	6	3	0,21	KL
38L5H063010F0R00	63	16	30	32	10	6	3	0,22	KL
38L5G080004F1R00	80	22	38	40	4	10	5	0,33	AB
38L5G080005F1R00	80	22	38	40	5	10	5	0,35	CD
38L5H080006F1R00	80	22	38	40	6	8	4	0,36	EF
38L5H080007F1R00	80	22	38	40/40,5	7/8	8	4	0,37	GHIJ
38L5H080009F1R00	80	22	38	40	9	8	4	0,38	KL
38L5H080010F1R00	80	22	38	40	10	8	4	0,40	KL
38L5G100004F2R00	100	27	45	45	4	12	6	0,52	AB
38L5G100005F2R00	100	27	45	45	5	12	6	0,56	CD
38L5H100006F2R00	100	27	45	45	6	10	5	0,57	EF
38L5H100007F2R00	100	27	45	45/45,5	7/8	10	5	0,61	GHIJ
38L5H100009F2R00	100	27	45	45	9	10	5	0,62	KL
38L5H100010F2R00	100	27	45	45	10	10	5	0,66	KL
38L5G125004F3R00	125	32	58	50	4	14	7	0,99	AB
38L5G125005F3R00	125	32	58	50	5	14	7	1,05	CD
38L5H125006F3R00	125	32	58	50	6	12	6	1,08	EF
38L5H125007F3R00	125	32	58	50/50,5	7/8	12	6	1,13	GHIJ
38L5H125009F3R00	125	32	58	50	9	12	6	1,15	KL
38L5H125010F3R00	125	32	58	50	10	12	6	1,21	KL
38L5H160006F4R00	160	40	70	60	6	16	8	1,89	EF
38L5H160007F4R00	160	40	70	60/60,5	7/8	16	8	1,99	GHIJ
38L5H160009F4R00	160	40	70	60	9	16	8	2,01	KL
38L5H160010F4R00	160	40	70	60	10	16	8	2,12	KL



Designation	Design	Grade	IN30M	IN2030							
SDE-31-201 - J	positive geometry										
SEE-31-201	non-ferrous geometry										
SDE-31-202 - J	positive geometry										
SEE-31-202	non-ferrous geometry										
SDE-42-201 - J	positive geometry										
SEE-42-201	non-ferrous geometry										
SDE-42-203 - J	positive geometry										
SEE-42-203	non-ferrous geometry										
SDE-42-202 - J	positive geometry										
SEE-42-202	non-ferrous geometry										
SDE-43-201 - J	positive geometry										
SEE-43-201	non-ferrous geometry										

● = P ● = M ● = K ● = N ● = S ● = H

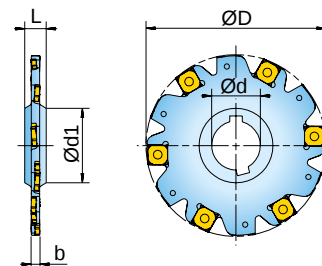


Cutting Width

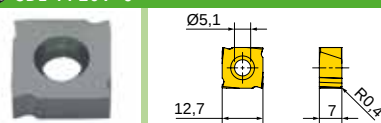
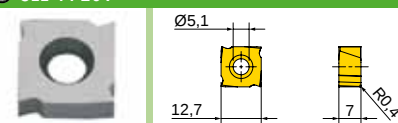
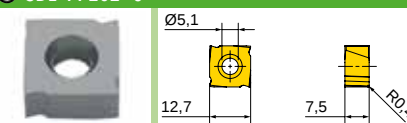
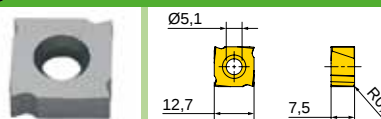
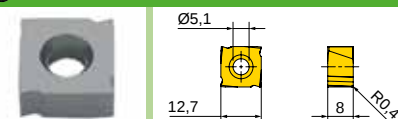
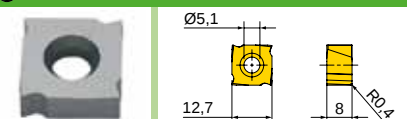
4	SM35-034-50	DS-T09S
5	SM35-042-50	DS-T09S
6	SM40-050-50	DS-T15S
7/8	SM40-060-50	DS-T15S
9 - 10	SM40-080-50	DS-T15S

① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 138



Designation	D	d	d1	L	b	Z	Z _{eff}		Related Insert
38L5H063012BA-00	63	22	34	12	12/13	6	3	0,12	A B C D
38L5H063014BA-00	63	22	34	14	14/15	6	3	0,16	C D E F
38L5H080012BA-00	80	22	34	12	12/13	8	4	0,25	A B C D
38L5H080014BA-00	80	22	34	14	14/15	8	4	0,30	C D E F
38L5H100012BB-00	100	27	41	12	12/13	10	5	0,43	A B C D
38L5H100014BB-00	100	27	41	14	14/15	10	5	0,52	C D E F
38L5H125012BD-00	125	40	55	12	12/13	12	6	0,70	A B C D
38L5H125014BD-00	125	40	55	14	14/15	12	6	0,84	C D E F
38L5H160012BD-00	160	40	55	12	12/13	16	8	1,29	A B C D
38L5H160014BD-00	160	40	55	14	14/15	16	8	1,54	C D E F
38L5H200012BE-00	200	50	69	12	12/13	18	9	2,10	A B C D
38L5H200014BE-00	200	50	69	14	14/15	18	9	2,50	C D E F

A SDE-44-201 - J

B SEE-44-201

C SDE-44-202 - J

D SEE-44-202

E SDE-45-201 - J

F SEE-45-201


Designation	Design	Grade	IN30M	IN2030						
SDE-44-201 - J	positive geometry									
SEE-44-201	non-ferrous geometry									
SDE-44-202 - J	positive geometry									
SEE-44-202	non-ferrous geometry									
SDE-45-201 - J	positive geometry									
SEE-45-201	non-ferrous geometry									

● = P ● = M ● = K ● = N ● = S ○ = H

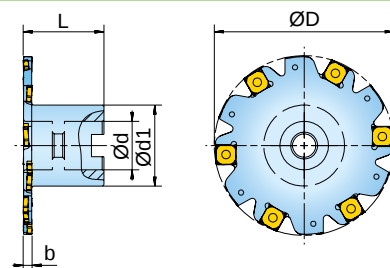
SPARE PARTS


Cutting Width

12/13 - 14/15 SM40-106-50 DS-T15S

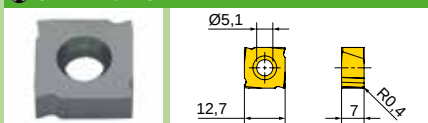
① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 8030

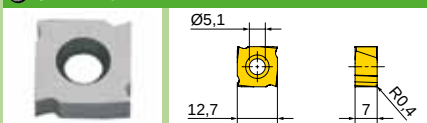


Designation	D	d	d1	L	b	Z	Z _{eff}	kg	Related Insert
38L5H063012F0R00	63	16	30	32/32,5	12/13	6	3	0,22	A B C D
38L5H063014F0R00	63	16	30	32/32,5	14/15	6	3	0,24	C D E F
38L5H080012F1R00	80	22	38	40/40,5	12/13	8	4	0,42	A B C D
38L5H080014F1R00	80	22	38	40/40,5	14/15	8	4	0,46	C D E F
38L5H100012F2R00	100	27	45	45/45,5	12/13	10	5	0,72	A B C D
38L5H100014F2R00	100	27	45	45/45,5	14/15	10	5	0,79	C D E F
38L5H125012F3R00	125	32	58	50/50,5	12/13	12	6	1,30	A B C D
38L5H125014F3R00	125	32	58	50/50,5	14/15	12	6	1,43	C D E F
38L5H160012F4R00	160	40	70	60/60,5	12/13	16	8	2,30	A B C D
38L5H160014F4R00	160	40	70	60/60,5	14/15	16	8	2,50	C D E F

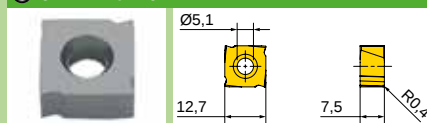
A SDE-44-201 - J



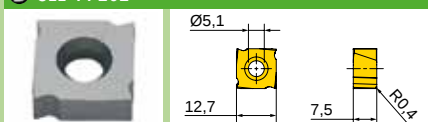
B SEE-44-201



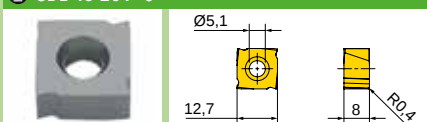
C SDE-44-202 - J



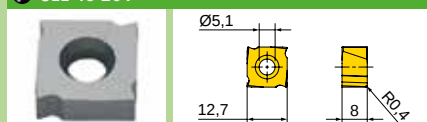
D SEE-44-202



E SDE-45-201 - J



F SEE-45-201



Designation	Design	Grade	IN30M	IN2030						
SDE-44-201 - J	positive geometry									
SEE-44-201	non-ferrous geometry									
SDE-44-202 - J	positive geometry									
SEE-44-202	non-ferrous geometry									
SDE-45-201 - J	positive geometry									
SEE-45-201	non-ferrous geometry									

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS

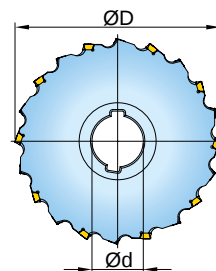
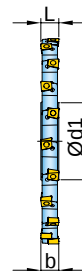


Cutting Width

12/13 - 14/15 SM40-106-50 DS-T15S

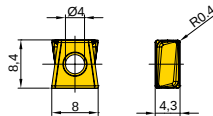
① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 138

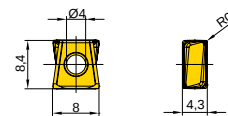


Designation	D	d	d1	L	B	b	Z	Zeff	kg
3SJ6Y063012BA-00	63	22	34	12	12	12	8	4	0,19
3SJ6Y063013BA-00	63	22	34	13	13	13	8	4	0,20
3SJ6Y063014BA-00	63	22	34	14	14	14	8	4	0,22
3SJ6Y080012BA-00	80	22	34	12	12	12	10	5	0,33
3SJ6Y080013BA-00	80	22	34	13	13	13	10	5	0,36
3SJ6Y080014BA-00	80	22	34	14	14	14	10	5	0,39
3SJ6Y100012BB-00	100	27	41	12	12	12	12	6	0,52
3SJ6Y100013BB-00	100	27	41	13	13	13	12	6	0,57
3SJ6Y100014BB-00	100	27	41	14	14	14	12	6	0,62
3SJ6Y125012BD-00	125	40	60	12	12	12	16	8	0,66
3SJ6Y125013BD-00	125	40	60	13	13	13	16	8	0,68
3SJ6Y125014BD-00	125	40	60	14	14	14	16	8	0,72
3SJ6Y160012BD-00	160	40	60	12	12	12	20	10	1,11
3SJ6Y160013BD-00	160	40	60	13	13	13	20	10	1,25
3SJ6Y160014BD-00	160	40	60	14	14	14	20	10	1,44
3SJ6Y200012BE-00	200	50	70	12	12	12	24	12	1,79
3SJ6Y200013BE-00	200	50	70	13	13	13	24	12	1,95
3SJ6Y200014BE-00	200	50	70	14	14	14	24	12	2,16

DGM212-100



DGM212-101



Designation	Design	Grade	IN2004	IN2005	IN2015	IN2035				
DGM212-100	positive geometry R0,4									
DGM212-101	positive geometry R0,8									

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS

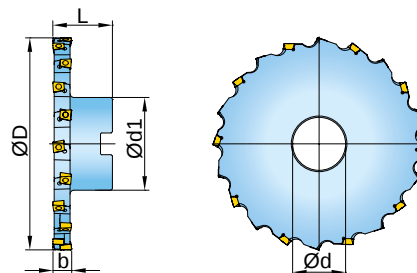


SM30-082-20

DS-TP08S (TX-Plus)

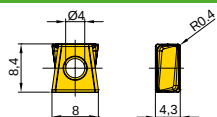
① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 8030

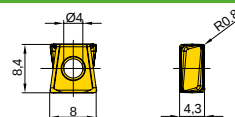


Designation	D	d	d1	B	b	Z	Zeff	kg
3SJ6Y063012F0R00	63	16	30	32	12	8	4	0,30
3SJ6Y063013F0R00	63	16	30	32	13	8	4	0,31
3SJ6Y063014F0R00	63	16	30	32	14	8	4	0,32
3SJ6Y080012F1R00	80	22	38	40	12	10	5	0,54
3SJ6Y080013F1R00	80	22	38	40	13	10	5	0,56
3SJ6Y080014F1R00	80	22	38	40	14	10	5	0,58
3SJ6Y100012F2R00	100	27	47	45	12	12	6	0,92
3SJ6Y100013F2R00	100	27	47	45	13	12	6	0,96
3SJ6Y100014F2R00	100	27	47	45	14	12	6	1,00
3SJ6Y125012E9R00	125	32	58	45	12	16	8	1,28
3SJ6Y125013E9R00	125	32	58	45	13	16	8	1,35
3SJ6Y125014E9R00	125	32	58	45	14	16	8	1,41
3SJ6Y160012E5R00	160	40	70	45	12	20	10	2,10
3SJ6Y160013E5R00	160	40	70	45	13	20	10	2,21
3SJ6Y160014E5R00	160	40	70	45	14	20	10	2,24
3SJ6Y200012E5R00	200	40	90	45	12	24	12	3,58
3SJ6Y200013E5R00	200	40	90	45	13	24	12	3,77
3SJ6Y200014E5R00	200	40	90	45	14	24	12	3,94

DGM212-100



DGM212-101



Designation	Design	Grade	IN2004	IN2005	IN2015	IN2035				
DGM212-100	positive geometry R0,4									
DGM212-101	positive geometry R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

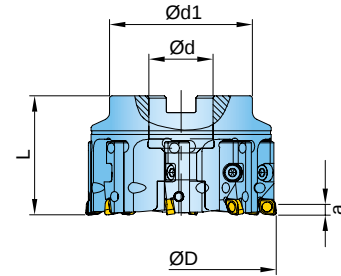


SM30-082-20

DS-TP08S (TX-Plus)

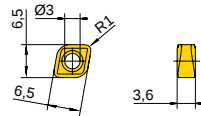
① = Insert screw ② = Screw driver

ADAPTION ACC. TO DIN 8030

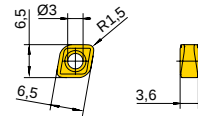


Designation	D	d	d1	L	a	Z	kg
5V2D052R00	52	22	40	50	1	5	0,33
5V2D066R00	66	27	48	50	1	6	0,33
5V2D080R00	80	27	60	50	1	8	1,00
5V2D085R00	85	27	60	50	1	8	1,20

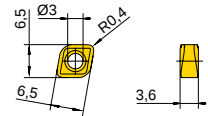
CNHU060310N



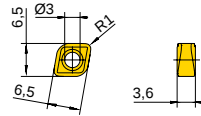
CNHU060315N



CNHU060304N-001



CNHU060310N-001



Designation	Design	Grade	IN05S	IN2005	IN2006	IN80B				
CNHU060310N ¹⁾	positive geometry R1,0		●	●	●					
CNHU060315N	positive geometry R1,5			●						
CNHU060304N-001	CBN Insert R0,4					●				
CNHU060310N-001	CBN Insert R1,0					●				

¹⁾ on request in IN3005 (diamond coating)

● = P ● = M ● = K ● = N ● = S ● = H

SPARE PARTS



SM25-075-20

DS-T08S

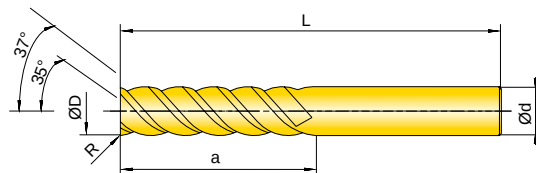
65D133R00

DIN 912 M4X12-12.9

① = Insert screw ② = Screw driver ③ = Cartridge ④ = Cartridge screw



ADAPTION ACC. TO DIN 6535 HA/ 6535 HB



Grade

IN2005

P

+

M

+

K

+

N_(K)

+

S_(M)

+

H_(PK)

O



e8

h6



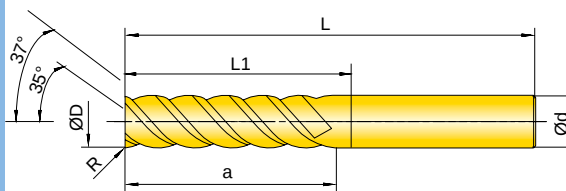
+ Preferred choice ○ Second choice

Designation	D	d	L	a	R	Z
47D06012T7RT020 ¹⁾	6	6	57	12	0,2	4
47D06012WERT020 ²⁾	6	6	57	12	0,2	4
47D08016T0RT040 ¹⁾	8	8	63	16	0,4	4
47D08016W0RT040 ²⁾	8	8	63	16	0,4	4
47D10020T1RT050 ¹⁾	10	10	72	20	0,5	4
47D10020W1RT050 ²⁾	10	10	72	20	0,5	4
47D12024T2RT060 ¹⁾	12	12	83	24	0,6	4
47D12024W2RT060 ²⁾	12	12	83	24	0,6	4
47D14028U8RT070 ¹⁾	14	14	83	28	0,7	4
47D14028WFRT070 ²⁾	14	14	83	28	0,7	4
47D16032T3RT080 ¹⁾	16	16	92	32	0,8	4
47D16032W3RT080 ²⁾	16	16	92	32	0,8	4
47D20040T4RT100 ¹⁾	20	20	104	40	1	4
47D20040W4RT100 ²⁾	20	20	104	40	1	4
47D25050T5RT120 ¹⁾	25	25	121	50	1,2	4
47D25050W5RT120 ²⁾	25	25	121	50	1,2	4

Roughing and finishing Cutter unequally spaced

¹⁾ DIN 6535 HA; ²⁾ DIN 6535 HB

ADAPTION ACC. TO DIN 6535 HA/ 6535 HB



Grade

IN2005

P

M

K

N_(K)

S_(M)

H_(PK)

+

+

+

+

+

O

+ Preferred choice O Second choice

△

□

e8

h6

λ

35-37°

≤ 54

HRC

X

X

X

X

Designation

D

d

L

L1

a

R

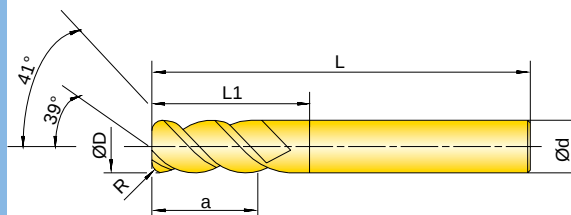
Z

47D06012T7RT021 ¹⁾	6	6	61	25	12	0,2	4
47D06012WERT021 ²⁾	6	6	61	25	12	0,2	4
47D08016T0RT041 ¹⁾	8	8	68	32	16	0,4	4
47D08016W0RT041 ²⁾	8	8	68	32	16	0,4	4
47D10020T1RT051 ¹⁾	10	10	80	40	20	0,5	4
47D10020W1RT051 ²⁾	10	10	80	40	20	0,5	4
47D12024T2RT061 ¹⁾	12	12	95	50	24	0,6	4
47D12024W2RT061 ²⁾	12	12	95	50	24	0,6	4
47D16032T3RT081 ¹⁾	16	16	115	64	32	0,8	4
47D16032W3RT081 ²⁾	16	16	115	64	32	0,8	4
47D20040T4RT101 ¹⁾	20	20	125	75	40	1	4
47D20040W4RT101 ²⁾	20	20	125	75	40	1	4

Roughing and finishing Cutter unequally spaced

¹⁾ DIN 6535 HA; ²⁾ DIN 6535 HB

ADAPTION ACC. TO DIN 6535 HA



Grade

IN05S

P	M	K	N _(K)	S _(M)	H _(PK)
			+		

+ Preferred choice ○ Second choice



h6



h6



Designation

D

d

L

L1

a

R

Z

46D06009T7RQ080	6	6	65	30	9	0,8	3
46D08012T0RQ080	8	8	79	40	12	0,8	3
46D10015T1RQ160	10	10	72	30	15	1,6	3
46D10015T1RQ161	10	10	100	50	15	1,6	3
46D12018T2RQ160	12	12	83	36	18	1,6	3
46D12018T2RQ161	12	12	100	60	18	1,6	3
46D16024T3RQ200	16	16	92	48	24	2	3
46D16024T3RQ201	16	16	128	80	24	2	3
46D20030T4RQ200	20	20	110	60	30	2	3
46D20030T4RQ201	20	20	150	100	30	2	3
46D25038T5RQ200	25	25	130	75	38	2	3
46D25038T5RQ201	25	25	185	125	38	2	3
46D25038T5RQ320	25	25	130	75	38	3,2	3
46D25038T5RQ321	25	25	185	125	38	3,2	3

on request with diamond coating



CUSTOMERS - INTENSIFY CONTACTS

Ingersoll Werkzeuge is present all over the world - at tool shows and congresses of the milling and machine tool industry as well as at house exhibitions of leading machine tool manufacturers. To intensify the direct contact to our customers, we organize special seminars and application-specific training courses in our customer centers in Haiger and Horrheim/Germany and Rockford/USA. Current dates and up-to-date information on our seminars are stated under: www.ingersoll-imc.de and www.ingersoll-imc.com.







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Ingersoll is a worldwide operating manufacturer of boring, milling, threading and turning tools for demanding milling operations. Our main production plants in Haiger and Horrheim in Germany as well as Rockford in the United States, supply customers all over the world. Experienced and well-trained representatives in over 45 countries ensure a network of on-site advise and assistance. Ingersoll's complete range of performance and service are available to our customers - all over the world.



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