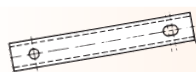


Produktbezeichnung / Product description	Seite / Page
Übersicht über unsere Hartmetall-Sorten / <i>Summary of our tungsten carbide qualities</i>	10.3
HW-Standard-Wendeplatten zweischneidig, 35°, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives with 2 cutting edges, 35°, in various qualities</i>	10.4 -10.5
HW-Standard-Wendeplatten 3- und 4-schneidig, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives with 3 and 4 cutting edges in various qualities</i>	10.6 -10.7
HW-Standard-Wendeplatten zweischneidig, 35°, mit 5° Schräge und mit 5° Fase, rechts und links, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives with 2 cutting edges, 35°, also with 5° bevel and 5° chamfer, right and left, in various qualities</i>	10.8
HW-Standard-Wendeplatten 4-schneidig, verschiedene Kantenausführungen, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives with 4 cutting edges, various edges, in various qualities</i>	10.9
HW-Standard-Wendeplatten 4-schneidig, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives with 4 cutting edges, in various qualities</i>	10.10 - 10.11
HW-Spezial-Wendeplatten, 35°, rund, 2- und 4-schneidig, mit Spanbrechernuten, in verschiedenen Qualitäten <i>Tungsten carbide Special reversible knives, 35°, round, with 2 and 4 cutting edges, with chipbreaker grooves, in various qualities</i>	10.12
HW-Standard-Wendeplatten, 45°, 2- und 4-schneidig, in verschiedenen Qualitäten <i>Tungsten carbide Standard reversible knives, 45°, with 2 and 4 cutting edges, in various qualities</i>	10.13



HW-Wendeplatten und HW-Profilplatten *Tungsten carbide reversible blades and profiling blades*

HW-Mini-Wendeplatten, 35°, Rückennut, 2- und 4-schneidig, in verschiedenen Qualitäten <i>Tungsten carbide Mini reversible knives, 35°, back groove with 2 and 4 cutting edges, in various qualities</i>	10.14
HW-Mini-Wendeplatten, 35°, Rücken- und Quernut, 4-schneidig, in versch. Qualitäten <i>Tungsten carbide Mini reversible knives, 35°, back- and crossgroove with 4 cutting edges, in various qualities</i>	10.14

Fortsetzung siehe Rückseite

Continued overleaf

Produktbezeichnung/Product description	Seite/Page
HW-Mini-Wendeplatten, 35°, Brustnut, 2- und 4-schneidig, in verschiedenen Qualitäten <i>Tungsten carbide Mini reversible knives, 35°, face groove with 2 and 4 cutting edges, in various qualities</i>	10.14
HW-Wendeplatten für Elektro-Handhobel, 35°, Rücken- und Brustnut, <i>Tungsten carbide reversible knives for electric handplaner, 35°, back- and facegroove</i>	10.14
HW-Spezial-Wendeplatten, 40°, System Leitz, in verschiedenen Qualitäten <i>Tungsten carbide Special reversible knives, 40°, System Leitz in various qualitys</i>	10.15
HW-Spezial-Wendeplatten, 40°, System Oertli, <i>Tungsten carbide Special reversible knives, 40°, System Oertli</i>	10.15
HW-Spezial-Wendeplatten, System Arunda <i>Tungsten carbide Special reversible knives, System Arunda.</i>	10.15
HW-Kantenrunder, System Oppold <i>Tungsten carbide edge rounding knives, System Oppold</i>	10.16
HW-Kantenrunder, System Leitz <i>Tungsten carbide edge rounding knives, System Leitz</i>	10.16
HW-Vorschneider und -Nuter/ <i>Tungsten carbide Spurs and -grooving knives</i>	10.17
HW Profilierte Standardplatten für Systeme HOMAG, IMA, TORWEGGE und HOWEMA <i>Tungsten carbide profiled standard blanks for systems HOMAG, IMA, TORWEGGE and HOWEMA</i>	10.18
HW Profilierte Standardplatten und Ziehklingen <i>Tungsten carbide profiled standard blanks and drawing knives</i>	10.19
HW Profilierte Standardplatten System HOLZHER <i>Tungsten carbide profiled standard blanks system HOLZHER</i>	10.20
HW Profilierte Standardplatten System LEUCO und HOWEMA <i>Tungsten carbide profiled standard blanks system LEUCO and HOWEMA</i>	10.21



UNSERE HARTMETALLSORTEN und Anwendungsgebiete SUMMARY OF OUR TUNGSTEN CARBIDE QUALITIES and Application chart

HC05 HC20 HC27 HC35	- die am häufigsten verwendeten HW-Sorten für Wendepplatten und Blanketten / <i>the commonly used TC-version for reversible blades and blanks</i> - geeignet für alle derzeit in der Holzverarbeitung zu bearbeitenden Materialien / <i>suitable for all materials that are currently used in woodworking</i> - sehr gutes Preis-/Leistungsverhältnis / <i>excellent value for money</i>
MG06	- durch eine höhere Härte im Vergleich zu HC05 bis zu 20% höhere Standzeiten beim Bearbeiten von MDF / <i>up to 20% increase in lifetime when working with MDF due to a harder finish in comparison to HC05</i>
MG18	- bedingt durch die Materialstruktur optimal geeignet für Einsatz mit 45° Schneidwinkel mit einer harten, verschleißfesten und scharfen Schneidkante / <i>due to the material structure especially qualified for the application of 45° cutting angles with hard, wear-resistant and sharp blades</i> - ideal zur Bearbeitung von Massivholz bei gleichzeitig höherem Standweg / <i>ideal for the work on massive wood with a simultaneous higher lifetime</i>
SMG02	- härtere Sorte - dadurch bis zu 50% mehr Standzeit gegenüber MG06 bei Bearbeitung von MDF und HDF / <i>harder version – therefore, lifetime increase up to 50% in comparison to MG06 when working with MDF and HDF</i>
UMG04	- durch extreme Härte Annäherung an diamantbestückte Werkzeuge / <i>with extreme hardship comparable to diamond assembled tools</i> - bis zur 3-fach Standzeit gegenüber SMG02 / <i>up to three times the lifetime of SMG02 version</i>
HE40	- entwickelt als Alternative zu HS / <i>developed as an alternative to high speed steel (HS)</i> - extreme Schneidhaltigkeit mit Schneidwinkel bis 55° bei einer hartmetalltypischen Härte / <i>extreme blade stability with cutting angles of up to 55° and a hardship comparable to tungsten carbide</i> - speziell für Weichhölzer / <i>used especially for soft woods</i>
NEU KCR08	- neue Spezial-Chrom-Hartmetall-Sorte / <i>new special chrome-tungsten carbide-version</i> - geeignet für 99% aller Anwendungsgebiete / <i>suitable for 99% of all application areas</i> - exaktere Schneidkantenausführung durch Submikron-Sorte / <i>more exact cutting edge finish with Submicron-version</i> - hohe Korrosionsbeständigkeit durch Chrom-Anteile / <i>corrosion resistance due to chrome rate</i>

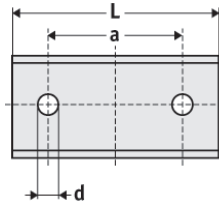
Korngrößendefinition / grain size definition		Mittlere Korngröße / medium grain
HC05 / HC20 / HC27	WC-Cobalt Grade - Feinkorn	0.8 - < 1.3 µm
HC35	WC-Cobalt Grade - Mittleres Korn	1.3 - < 2.5 µm
MG06 / MG18 / KCR08	Submicron Grade	0.5 - < 0.8 µm
SMG02 / HE40	Ultrafine Grade	0.2 - < 0.5 µm
UMG04	Nano Grade	< 0.2 µm
	Coarse Grade	2.5 - 6.0 µm
	Extracoarse	> 6.0 µm

Sorte / type	Weichholz / softwood	Hartholz / hardwood	Spanplatte / chipboard	MDF / MDF	HDF / HDF
HC05	++	++	++	++	++
HC20	+	++			
HC35	++	+			
MG06		+++	++++	++	++
SMG02			+++	++++	+++
MG18	+++	+++	++	+	
UMG04			++	+++	++++
HE40	++++				
NEU KCR08	+++	++++	+++	+++	+++

	nicht geeignet / not suitable
+	bedingt geeignet / conditionally suitable
++	Gut geeignet / well suitable
+++	Sehr gut geeignet / very suitable
++++	Optimal / optimal

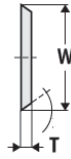
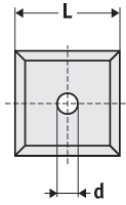
**Preise für im Katalog nicht angegebene Sorten auf Anfrage !
Prices not listed in the catalogue on request !**

35°



Standard-Wendeschnidplatten Standard reversible knives

	L mm	W mm	T mm	a mm	α °	HC05 Art.Nr.	EURO Stck./pc.	MG06 Art.Nr.	EURO Stck./pc.
	7,5	12,0	1,5		35	01007512	3,30	04007512	4,30
	7,65	12,0	1,5		35	22076012	3,30		
	8,6	12,0	1,5		35	22086512	4,60		
	9,0	12,0	1,5		35	22090012	4,60		
	9,6	12,0	1,5		35	22096512	4,20	04009612	5,10
	10,5	12,0	1,5		35	22106512	6,30		
	11,0	12,0	1,5		35	22110012	5,80		
	11,6	12,0	1,5		35	22116512	7,40		
	13,0	12,0	1,5		35	22130012	6,30		
	13,6	12,0	1,5		35	22136512	6,30		
	14,6	12,0	1,5		35	22146512	5,80		
	15,0	12,0	1,5		35	01015012	3,30	04015012	4,30
	15,7	12,0	1,5		35	22157012	5,50		
	16,0	12,0	1,5		35	22160012	6,30		
	17,0	12,0	1,5		35	22170012	6,30		
	18,0	12,0	1,5		35	22180012	6,30		
	19,0	12,0	1,5		35	22190012	6,30		
20,0	12,0	1,5		35	01020012	3,60	04020012	4,70	
24,7	12,0	1,5		35	01025112	4,30			
	24,7	12,0	1,5	14,0	35	01025012	4,30		
	30,0	12,0	1,5	14,0	35	01030012	3,50	04030012	4,60
	40,0	12,0	1,5	26,0	35	01040012	4,10	04040012	5,20
	50,0	12,0	1,5	26,0	35	01050012	4,50	04050012	5,90
	60,0	12,0	1,5	26,0	35	01060012	7,90	04060012	10,30
	80,0	13,0	2,2	60,0	35	01080013	16,70		
	100,0	13,0	2,2	60,0	35	01100013	18,90		
	120,0	13,0	2,2	60,0	35	01120013	21,50		
	130,0	13,0	2,2	60,0	35				
	7,5	9,0	1,5		35	01007509	4,80		
	12,0	9,0	1,5		35	01012009	5,20		
	14,6	9,0	1,5		35	01014609	6,10		
	20,0	9,0	1,5		35	01020009	5,50	04020009	7,40
	30,0	9,0	1,5	14,0	35	01030009	5,70	04030009	7,90
	40,0	9,0	1,5	26,0	35	01040009	7,00		
	50,0	9,0	1,5	26,0	35	01050009	6,30	04050009	9,80
	30	12,0	2,5	14,0	35	01301225	5,40		



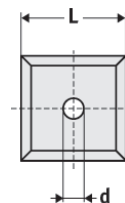
Standard-Wendeschnidplatten Standard reversible knives

	L mm	W mm	T mm	d mm	α °	HC35 Art.Nr.	EURO Stck./pc.	HC05 Art.Nr.	EURO Stck./pc.
	14,0	14,0	2,0		30	01014142	3,00		
	14,0	14,0	1,7		30	01014141	4,70		
	14,0	14,0	1,7		22	24014014	4,70		
	14,0	14,0	1,2		30	23014014	4,70		
	13,6	13,6	2,0		45	27136136	4,70		
	13,0	13,0	2,5		30	22013013	4,80		
	10,5	10,5	1,5		35				
	10,5	10,5	1,5		35			01010510	4,50
	12,0	12,0	1,5		35			01012012	3,80
	17,0	17,0	2,0	3	35			24171720	5,00
	17,0	17,0	2,0	4	35			24017017	5,00
	19,0	19,0	2,0	4	35			24019019	5,50
	14,0	14,0	2,0	5,5	30	01014143	11,80		
	14,3	14,3	2,5		35	22143143	5,20		
	14,6	14,6	2,5		30				
	15,0	15,0	2,5		30				
	14,0	14,0	2,0			01141420	10,20		
	14,0	14,0	2,5			01141425	11,90		
	14,0	14,0	3,0			01141430	12,50		
	18,0	18,0	1,95			01018181	9,40		
	18,0	18,0	2,45			01018182	11,20		
	18,0	18,0	2,95			01018183	13,10		
	18,0	18,0	3,7			01018184	15,10		
	18,0	18,0	4			01018185	15,30		
	22,0	19,0	2,0		30				
	22,86	19,86	2,5		30	21022819	5,60		
 Softline RL oben Softline RL unten	22,0	19,0	2,0	rechts	30				
	22,0	19,0	2,0	links	30				
	14,0	14,0	2,0		30			40141420	11,10
	16,0	16,0	3,0		32			40161630	14,40

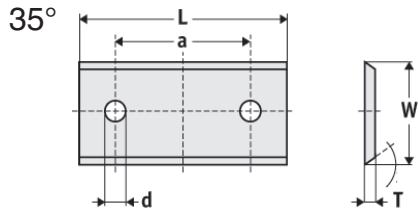


Standard-Wendeschneidplatten

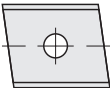
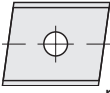
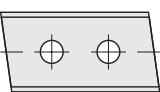
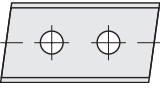
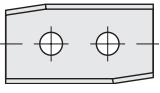
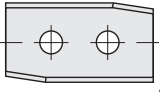
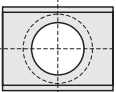
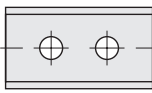

Standard reversible knives



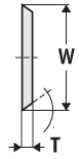
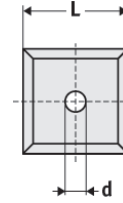
SMG02 Art.Nr.	EURO Stck./pc.	MG18 Art.Nr.	EURO Stck./pc.	MG06 Art.Nr.	EURO Stck./pc.	KCR08 Art.Nr. NEU	EURO Stck./pc.
06014142	3,90			02014014	3,60	03014142	3,60
						03010510	4,50
06012012	4,90			04012412	4,60	03012012	4,20
						03017017	7,20
						03019019	10,20
		01146146	3,60				
		01151525	6,20				
		21022019	4,40				
		21420201	41,50				
		21320201	41,50				



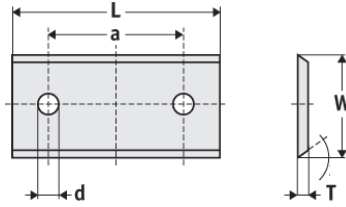
Standard-Wendeschnidplatten Standard reversible knives

	L mm	W mm	T mm	a mm	α °	HC05 Art.Nr.	EURO Stck./pc.	MG06 Art.Nr.	EURO Stck./pc.	KCR08 Art.Nr.	EURO Stck./pc.
 links 5°	20	12,0	1,5		35	41020012	5,80	04120012	6,10	03120012	6,60
 rechts 5°	20	12,0	1,5		35	42020012	5,80	04220012	6,10	03220012	6,60
 links 5°	30,0	12,0	1,5	14,0	35	41030012	6,00	04130012	6,40	03130012	6,90
	40,0	12,0	1,5	26,0	35	41040012	6,80	04140012	7,20	03140012	8,20
	50,0	12,0	1,5	26,0	35	41050012	7,60	04140012	8,10	03150012	8,90
 rechts 5°	30,0	12,0	1,5	14,0	35	42030012	6,00	04230012	6,40	03230012	6,90
	40,0	12,0	1,5	26,0	35	42040012	6,80	04240012	7,20	03240012	8,20
	50,0	12,0	1,5	26,0	35	42050012	7,60	04250012	8,10	03250012	8,90
 links 5°	30,0	12,0	1,5	14,0	35	43030012	5,20			03130012	8,40
	50,0	12,0	1,5	26,0	35	43050012	6,60			03150012	8,90
 rechts 5°	30,0	12,0	1,5	14,0	35	44030012	5,20			03230012	8,40
	50,0	12,0	1,5	26,0	35	44050012	6,60			03250012	8,90
 links 5°	20,0	14,3	2,5		35	40020143	7,20				
 links 5°	30,0	12,0	1,5	16,0	35	22030012	7,80				
 links 5°	44,5	15,0	1,5	25,0	25	22044515	10,80				

Standard-Wendeschnidplatten Standard reversible knives



	L mm	W mm	T mm	d mm	α °	HC35 Art.Nr.	EURO Stck./pc.	HC20 Art.Nr.	EURO Stck./pc.	MG18 Art.Nr.	EURO Stck./pc.
	14,0	14,0	2,0		30	09141420	6,40				
	14,6	14,6	2,5		30					06146146	7,60
	14,3	14,3	2,5		35			09143143	9,80		
	14,3	14,3	2,5		35			09143144	9,80		
	14,0	14,0	1,2		30	30014014	4,80				
	21	21	5,5		40					01021021	11,20
	14,0	14,0	2,0	R=100	30	09141420	6,40				
	14,6	14,6	2,5	R=150	30					1141425SO	6,80
	15,0	15,0	2,5	R=150	30					1151525SO	6,80
	15,0	15,0	2,5	R=50	30					32151525C	6,80
	14,0	14,0	2,0	R=100	30					06141420	7,10
	14,6	14,6	2,5	R=150	30					06146146	7,10
	15,0	15,0	2,5	R=150	30					06151520	7,10
	15,0	15,0	2,5	R=50	30					06151521	7,10
	15,0	15,0	2,5	R=115	30					06151522	7,10



Standard-Wendeschnidplatten Standard reversible knives

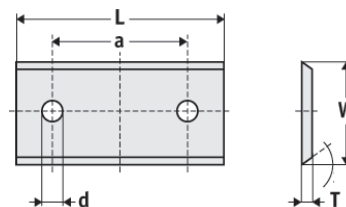
	L mm	W mm	T mm	a mm	α °	HC05 Art.Nr.	EURO Stck./pc.	MG06 Art.Nr.	EURO Stck./pc.
	19,5	7,0	1,5		35	62020007	6,50		
	19,5	7,5	1,5		35	62020075	6,50		
	19,5	8,0	1,5		35	62020008	6,00	04020008	7,10
	19,5	9,0	1,5		35	62020009	5,40	04020009	7,10
	9,0	12,0	1,5		35	01090124	4,90		
	10,0	12,0	1,5		35	01100124	5,70		
	19,5	10,0	1,5		35	62020010	4,70	04020010	8,50
	19,5	11,0	1,5		35	62020011	6,50		
	19,5	12,0	1,5		35	62020012	4,80	04020412	5,40
	29,5	7,0	1,5	14,0	35	62030007	4,90		
	29,5	7,5	1,5	14,0	35	62030075	4,90		
	29,5	8,0	1,5	14,0	35	62030008	6,90	04030008	7,30
	29,5	9,0	1,5	14,0	35	62030009	6,90	04030009	7,30
	29,5	10,0	1,5	14,0	35	62030010	4,90	04030010	8,10
	29,5	11,0	1,5	14,0	35	62030011	6,90		
	29,5	12,0	1,5	14,0	35	62030012	5,00	04030412	6,80
	39,5	12,0	1,5	26,0	35	62040012	5,90	04040412	6,40
	49,5	8,0	1,5	26,0	35	62050008	6,20	04050008	8,90
	49,5	9,0	1,5	26,0	35	62050009	6,20	04050009	9,10
	49,5	10,0	1,5	26,0	35	62050010	6,20	04050010	9,80
	49,5	11,0	1,5	26,0	35	62050011	6,20	04050011	9,80
	49,5	12,0	1,5	26,0	35	62050012	6,00	04050412	6,40
	59,5	12,0	1,5	26,0	35	62060012	9,20	04060412	9,70
	50,0	9,0	1,5	37	35	62050039	7,60		
	50,0	12	1,7	37	35	28050012	7,00	04050112	7,50
	16,0	7,0	1,5	7,0	35			28160715	6,90
	28,0	7,0	1,5	14,0	35			28280715	8,90
	20,0	5,5	1,1		35				
	30,0	6,5	1,1		35				
	50,0	6,5	1,1		35				
	20,0	10,0	1,5		35				
	30,0	10,0	1,5		35				
	50,0	10,0	1,5		35				
	16,0	7,0	1,5	7,0				04160715	9,10
	23,0	7,0	1,5	14,0				04230715	9,90
	16,0	7,0	1,5	7,0				04160716	9,30
	23,0	7,0	1,5	14,0				04230716	10,50

Spezial-Wendeschnidplatten *Special reversible knives*

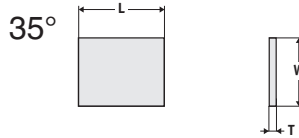
	L mm	W mm	T mm	d mm	α °	HC05 Art.Nr.	EURO Stck./pc.	MG18 Art.Nr.	EURO Stck./pc.
	15,0	15,0	2,0		30			21015015	8,40
	15,0	15,0	2,0		30			21015016	8,80
	20,0	12,0	1,5		35	40201299	9,90		
	30,0	12,0	1,5		35	40301288	10,80		
	50,0	12,0	1,5		35	40501277	11,20		
	20,0	12,0	1,5		35	40201215	5,10		
	24,0	12,0	1,5		40	40241215	6,80		
	24,7	12,0	1,5		35	40247121	6,80		
	30,0	12,0	1,5		14,0	40301215	6,80		
	50,0	12,0	1,5		26,0	40501215	8,40		
System HOWEMA									
	11,0	7,0	5,1		4,0	27011040	12,80		
						MG06			

Standard-Wendeschneidplatten Standard reversible knives

45°



	L mm	W mm	T mm	a mm	α °	MG18 Art.Nr.	EURO Stck./pc.	HE40pol. Art.Nr.	EURO Stck./pc.	MG18pol. Art.Nr.	EURO Stck./pc.
	7,5	12,0	1,5		45	06007512	4,40	09007512	5,30	05007512	4,10
	9,6	12,0	1,5		45	06009612	5,90	09009612	6,50	05009612	6,40
	11,6	12,0	1,5		45	06011612					
	15,0	12,0	1,5		45	06015012	4,40	09015012	5,30	05015012	4,80
	20,0	12,0	1,5		45	06020012	4,70	09020012	5,60	05020012	5,20
	24,7	12,0	1,5		45	06025112	7,20				
	24,7	12,0	1,5	14,0	45	06025012	7,20				
	30,0	12,0	1,5	14,0	45	06030012	5,20	09030012	6,80	05030012	5,60
	40,0	12,0	1,5	26,0	45	06040012	7,10	09040012	7,60	05040012	7,80
	50,0	12,0	1,5	26,0	45	06050012	6,90	09050012	7,40	05050012	7,90
	60,0	12,0	1,5	26,0	45	06060012	7,90	09060012	9,60	05060012	8,20
	80,0	13,0	2,2	60	45	06080013	24,60	09080013	24,80	05080013	29,50
	12,0	12,0	1,5		45	06012012	4,20	09012012	7,10	05012012	7,60
	14,0	14,0	2,0		45	06014014	4,10				
	45	12	1,5		45	23045012	10,50				



Mini-Wendeschnidplatten Mini reversible knives

	L mm	W mm	T mm	d mm	α °	HC05 Art.Nr.	EURO Stck./pc.	MG06 Art.Nr.	EURO Stck./pc.
--	---------	---------	---------	---------	---------------	-----------------	-------------------	-----------------	-------------------

Rückennut / back groove

	20,0	5,5	1,1		35	82020005	2,90	04120005	3,80
	30,0	5,5	1,1		35	82030005	3,20	04130005	4,20
	40,0	5,5	1,1		35	82040005	3,40	04140005	4,30
	50,0	5,5	1,1		35	82050005	4,10	04150005	4,80

Rückennut mit 4 Schneidkanten / back groove with 4 cutting edges

	12,0	5,5	1,1		35	89012005	5,40		
	20,0	5,5	1,1		35	89020005	5,40	04420055	6,30
	30,0	5,5	1,1		35	89030005	5,50	04430055	6,40
	40,0	5,5	1,1		35	89040005	5,70	04440055	6,50
	50,0	5,5	1,1		35	89050005	5,90	04450055	6,90

Rücken- und Quernut mit 4 Schneidkanten / back and crossgroove with 4 cutting edges

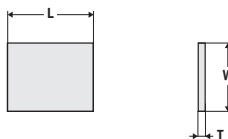
	20,0	4,1	1,1		35	83020004	5,90	84020004	6,90
	20,0	5,5	1,1		35	83020005	5,20	84020005	6,70
	25,0	5,5	1,1		35	83025005	5,50	84025005	7,00
	30,0	5,5	1,1		35	83030005	5,60	84030005	7,20
	40,0	5,5	1,1		35	83040005	5,70	84040005	7,40
	50,0	5,5	1,1		35	83050005	5,80	84050005	7,60

Brustnut / face groove

	12,0	5,5	1,1		35	81012005	2,70	04012005	3,40
	20,0	5,5	1,1		35	81020005	3,60	04020005	4,40
	30,0	5,5	1,1		35	81030005	3,90	04030005	4,70
	40,0	5,5	1,1		35	81040005	4,20	04040005	5,00
	50,0	5,5	1,1		35	81050005	4,80	04050005	5,50

Brustnut mit 4 Schneidkanten / face groove with 2 cutting edges

	20,0	5,5	1,1		35	88020005	5,60	04420005	6,30
	30,0	5,5	1,1		35	88030005	5,70	04430005	6,40
	40,0	5,5	1,1		35	88040005	5,80	04440005	6,50
	50,0	5,5	1,1		35	88050005	6,10	04450005	6,90



Wendeplatten für Handhobel Reversible knives for portable planers

	L mm	W mm	T mm	d mm	α °	HC35 Art.Nr.	EURO Stck./pc.
--	---------	---------	---------	---------	---------------	-----------------	-------------------

Rückennut / back groove

	56,0	5,5	1,1		35	5611	5,20
	60,0	5,5	1,1		35	6011	5,20
	75,5	5,5	1,1		35	61110	4,90
	78,0	5,5	1,1		35	7811	5,70
	80,5	5,9	1,2		40	61310	4,90
	82,0	5,5	1,1		35	61210	4,90
	92,0	5,5	1,1		35	61510	7,40
	102,0	5,5	1,1		35	61410	5,80

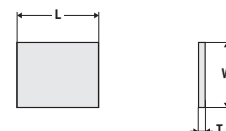
Brustnut / face groove

	82,0	5,1	1,2		35	61241	6,20
--	------	-----	-----	--	----	-------	------



Spezial-Wendeschnidplatten Special reversible knives

40°



	L mm	W mm	T mm	a mm	α °	MG18 Art.Nr.	EURO Stck./pc.	HC05 Art.Nr.	EURO Stck./pc.
--	---------	---------	---------	---------	---------------	-----------------	-------------------	-----------------	-------------------

System LEITZ

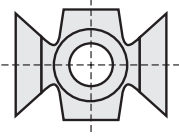
	7,7	8,0	1,5		40	21007808	4,00	01007807	3,80
	9,7	8,0	1,5		40	21009808	4,10	01009807	3,90
	11,7	8,0	1,5		40	21011808	4,20	01011807	4,00
	14,7	8,0	1,5		40	21014808	4,30	01014807	4,00
	19,7	8,0	1,5		40	21019808	4,50	01019807	4,00
	24,7	8,0	1,5		40	21025008	4,60	01025007	4,10
	30,0	8,0	1,5		40	21030008	4,80	01030007	4,00
	35,0	8,0	1,5		40	21035008	4,80	01035007	4,70
	40,0	8,0	1,5		40	21040008	5,20	01040007	5,00
	50,0	8,0	1,5		40	21050008	5,20	01050007	5,30
	60,0	8,0	1,5		40	21060008	8,40	01060007	6,70
	70,0	8,0	1,5		40	21070008	14,60	01070007	12,20
	80,0	8,0	1,5		40	21080008	17,20	01080007	14,60
	100,00	8,0	1,5		40	21100008	29,40	01100007	28,80
120,00	8,0	1,5		40	21120008	30,20	01120007	27,50	

System OERTLI

	12,0	12,0	1,5		40	32012012	7,90		
	8,8	8,0	1,5		40	32088015	5,80		
	9,0	8,0	1,5		40	32098015	5,80		
	10,0	8,0	1,5		40	32108015	5,80		
	11,0	8,0	1,5		40	32118015	5,80		
	12,0	8,0	1,5		40	32128015	5,80		
	15,0	8,0	1,5		40	32158015	5,80		
	20,0	8,0	1,5		40	32208015	5,90		
	25,0	8,0	1,5		40	32258015	7,00		
	28,0	8,0	1,5		40	32288015	8,10		
	32,0	8,0	1,5		40	32328015	5,90		
	40,0	8,0	1,5		40	32408015	8,10		
	50,0	8,0	1,5		40	32508015	7,60		
	60,0	8,0	1,5		40	32608015	18,10		
	80,0	8,0	1,5		40	32808015	29,20		
	100,0	8,0	1,5		40	32100815	33,80		

System ARUNDA

	31,5	9,0	1,5		40	02031509	auf Anfrage		
--	------	-----	-----	--	----	----------	-------------	--	--



Kantenrunder Edge rounding knives

	L mm	W mm	T mm	Radius	α °	HC20 Art.Nr.	EURO Stck./pc.	
--	---------	---------	---------	--------	---------------	-----------------	-------------------	--

System OPPOLD

		16,0	22,0	5,0	R1		22616220	41,30	
		16,0	22,0	5,0	R1,5		22616221	41,30	
		16,0	22,0	5,0	R2,0		22616222	41,30	
		16,0	22,0	5,0	R2,5		22616224	41,30	
		16,0	22,0	5,0	R3,0		22616223	41,30	
		16,0	22,0	5,0	R5,0		22616225	41,30	
		16,0	22,0	5,0	R6,0		22616226	41,30	
		16,0	22,0	5,0	F 45°		22516220	41,30	

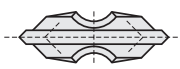
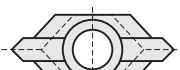
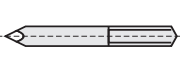



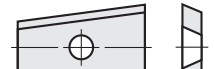


System LEITZ

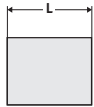
		15,0	20,0	7,3	R2		21830700	69,20	K 12/3
		15,0	18,3	7,3	R2F		21830800	69,20	K 12/3
		15,0	20,0	7,0	R1,5		21827200	69,20	K 12/4
		15,0	22,3	10,0	R3F		21827300	62,90	K 12/5
		15,0	22,3	7,3	Nut5		21827500	62,90	K 13/0
		15,0	22,3	9,0	Nut7		21828670	62,90	K 13/1
		15,0	20,0	8,0	45°		21826800	69,20	K 11/0
		15,0	17,5	8,0	60°		21826900	69,20	K 11/1
		15,0	20,0	9,0	R3		21827100	69,20	K 12/1
		15,0	22,3	7,3			21828600	62,90	K 16/0

System LEITZ

		15,0	23,0	7,3	R2		21829000	69,20	K 22/3
		15,0	21,0	7,3	R2F		21829900	78,60	K 22/3
		15,0	23,0	7,0	R1,5		21829500	69,20	K 22/4
		15,0	23,0	9,0	R3F		21829600	78,60	K 22/5
		15,0	25,7	7,3	Nut5		21830000	69,20	K 23/0
		15,0	25,7	9,3	Nut7		21829800	69,20	K 23/1
		15,0	23,0	8,0	45°		21829200	69,20	K 21/0
		15,0	20,5	8,0	60°		21829400	69,20	K 21/1
		15,0	23,0	9,0	R3		21829100	69,20	K 22/1

Vorschneider, Nuter Spurs, grooving knives

	L mm	W mm	T mm	d mm	α °	HC20 Art.Nr.	EURO Stck./pc.	HC35 Art.Nr.	EURO Stck./pc.
	18,0	6,0	3,5			40186035	13,40		
	19,0	8,0	4,0	4,0		27190804	13,50		
	19,0	8,0	4,0	5,0		27190805	13,50		
	33,5			3,0				40335025	11,80
						HC27			
	34,0	16,0	3,2					40163450	33,50
	34,0	16,0	4,0					40163440	33,50
	34,0	16,0	5,0			40163432	35,40		
	36,0	13,0	3,5			40163435	32,50		
	40,0	13,0	5,5			40134055	57,00		
						HC20			
	links	25,0	5,0			40255001	57,00		
	rechts	25,0	5,0			40255002	57,00		
		25	4,6			40254600	82,50		
	30,0	22,5	3,0	links		09302253	45,00		
	55,0	25,0	3,0	links		09552503	51,00		
	30,0	22,5	3,0	rechts		09302254	45,00		
	55,0	25,0	3,0	rechts		09552504	51,00		
						MG18			
	24,5	13	4			06245134	27,60		
	24,5	13	5			06245135	27,60		

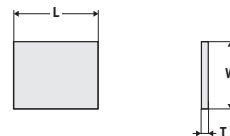


Profilierte Standardplatten Profiled standard blanks

	L mm	W mm	T mm	d mm	R mm	HC05 Art.Nr.	EURO Stck./pc.
System HOMAG/IMA/TORWEGGE							
	16,0	17,5	2,0	3,0	2,0	25161702	18,60
	16,0	17,5	2,0	3,0	3,0	25161703	18,60
	16,0	17,5	2,0	3,0	4,0	25161704	18,60
	16,0	17,5	2,0	3,0	5,0	25161705	18,60
	16,0	17,5	2,0	3,0	6,0	25161706	18,60
	16,0	17,5	2,0	4,4	2,0	25161752	18,60
	16,0	17,5	2,0	4,4	3,0	25161753	18,60
	16,0	17,5	2,0	4,4	4,0	25161754	18,60
	16,0	17,5	2,0	4,4	5,0	25161755	18,60
	16,0	17,5	2,0	4,4	6,0	25161756	18,60
	16,0	13,5	2,0	4,0	2,0	25161352	21,20
	16,0	14,0	2,0	4,0	3,0	25161403	21,20
System HOWEMA							
	12,0	12,0	1,5	4,0	2,0	30121202	15,80
	12,0	12,0	1,5	4,0	3,0	30121203	15,80
	12,0	12,0	1,5	4,0	4,0	30121204	15,80
	12,0	13,0	2,0	5,0	2,0	30121302	21,60
	12,0	13,0	2,0	5,0	2,5	30121325	21,60
	12,0	13,0	2,0	5,0	3,0	30121303	21,60
System HOMAG/IMA/TORWEGGE							
links	16,0	17,5	2,0	4,0	2,0	40161702	18,80
	16,0	17,5	2,0	4,0	3,0	40161703	18,80
	16,0	17,5	2,0	4,0	4,0	40161704	18,80
	16,0	17,5	2,0	4,0	5,0	40161705	18,80
	16,0	17,5	2,0	4,0	6,0	40161705	18,80
rechts	16,0	17,5	2,0	4,0	2,0	40161712	18,80
	16,0	17,5	2,0	4,0	3,0	40161713	18,80
	16,0	17,5	2,0	4,0	4,0	40161714	18,80
	16,0	17,5	2,0	4,0	5,0	40161715	18,80
	16,0	17,5	2,0	4,0	6,0	40161716	18,80
links	20,0	20,5	2,0	4,0	2,0	40202002	21,80
	20,0	20,5	2,0	4,0	3,0	40202003	21,80
	20,0	20,5	2,0	4,0	4,0	40202004	21,80
	20,0	20,5	2,0	4,0	5,0	40202005	21,80
	20,0	20,5	2,0	4,0	6,0	40202006	21,80
rechts	20,0	20,5	2,0	4,0	2,0	40202012	21,80
	20,0	20,5	2,0	4,0	3,0	40202013	21,80
	20,0	20,5	2,0	4,0	4,0	40202014	21,80
	20,0	20,5	2,0	4,0	5,0	40202015	21,80
	20,0	20,5	2,0	4,0	6,0	40202016	21,80



Profilierte Standardplatten Profiled standard blanks



	L mm	W mm	T mm	d mm	R mm	HC05 Art.Nr.	EURO Stck./pc.	HC05 Art.Nr.	EURO Stck./pc.
	24,0	20,0	2,0	4,4	6,0	40242006	23,80		
	24,0	20,0	2,0	4,4	7,0	40242007	23,80		
	24,0	20,0	2,0	4,4	8,0	40242008	23,80		
	24,0	20,0	2,0	4,4	9,0	40242009	23,80		
	24,0	20,0	2,0	4,4	10,0	40242010	23,80		

Ziehklingen

	20,0	12,0	2,0	4,0	1,0
	20,0	12,0	2,0	4,0	1,5
	20,0	12,0	2,0	4,0	2,0
	20,0	12,0	2,0	4,0	3,0
	20,0	12,0	2,0	4,0	2,5
	20,0	12,0	2,0	4,0	4,0
	20,0	12,0	2,0	4,0	5,0

Auslauf 6°

30201201	21,20
30201215	21,20
30201202	21,20
30201203	21,20
30201225	21,20
30201204	21,20
30201205	21,20

Auslauf 15°

30211201	27,00
30211215	27,00
30211202	27,00
30211203	27,00

HC05

	links	12,0	14,5	2,0	4,0	2,0	40121421	19,20		
		12,0	14,5	2,0	4,0	2,5	40121426	19,20		
		12,0	14,5	2,0	4,0	3,0	40121431	19,20		
		19,6	15,2	2,0	4,0	2,0	40191521	21,10		
		19,6	15,2	2,0	4,0	3,0	40191531	21,10		

	rechts	12,0	14,5	2,0	4,0	2,0	40121420	19,20		
		12,0	14,5	2,0	4,0	2,5	40121425	19,20		
		12,0	14,5	2,0	4,0	3,0	40121430	19,20		
		19,6	15,2	2,0	4,0	2,0	40191520	21,10		
		19,6	15,2	2,0	4,0	3,0	40191530	21,10		

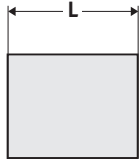
	links	15,0	14,5	2,0	4,0	2,0	40151421	17,90		
		15,0	14,5	2,0	4,0	2,5	40151426	17,90		
		15,0	14,5	2,0	4,0	3,0	40151431	17,90		
		16,1	14,0	2,0	5,0	2,0	40161421	21,10		
		16,1	14,0	2,0	5,0	3,0	40161431	21,10		

	rechts	15,0	14,5	2,0	4,0	2,0	40151420	17,90		
		15,0	14,5	2,0	4,0	2,5	40151425	17,90		
		15,0	14,5	2,0	4,0	3,0	40151430	17,90		
		16,1	14,0	2,0	5,0	2,0	40161420	21,10		
		16,1	14,0	2,0	5,0	3,0	40161430	21,10		

System IMA

	links	Quadromat								
		12,0	18,0	2,0	4,0	2,0	40121821	23,70		
		12,0	18,0	2,0	4,0	3,0	40121831	23,70		
		MFA								
		12,0	18,0	2,0	4,0	2,0	41121821	23,70		
		12,0	18,0	2,0	4,0	3,0	41121831	23,70		

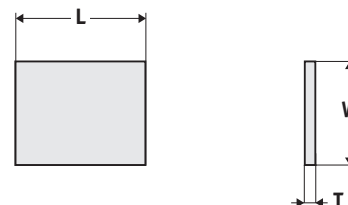
	rechts	Quadromat								
		12,0	12,0	2,0	4,0	2,0	40121820	23,70		
		12,0	12,0	2,0	4,0	3,0	40121830	23,70		
		MFA								
		12,0	12,0	2,0	4,0	2,0	41121820	23,70		
		12,0	12,0	2,0	4,0	3,0	41121830	23,70		



Profilierte Standardplatten Profiled standard blanks

	L mm	W mm	T mm	d mm	α mm	R mm	HC05 Art.Nr.	EURO Stck./pc.
System HOLZHER								
	12,0	12,0	1,5	4,0	45°		30121245	11,60
	16,0	17,5	2,0	4,2	45°		25161745	17,70
links	20,0	16,0	2,0	3,0		3,0	40201613	21,60
	30,0	14,0	2,0	3,0		2,0	40301412	24,80
	30,0	14,0	2,0	3,0		2,5	40301426	24,80
	30,0	14,0	2,0	3,0		3,0	40301413	24,80
rechts	20,0	16,0	2,0	3,0		3,0	40201603	21,60
	30,0	14,0	2,0	3,0		2,0	40301402	24,80
	30,0	14,0	2,0	3,0		2,5	40301425	24,80
	30,0	14,0	2,0	3,0		3,0	40301403	24,80
links	19,5	12,0	1,5	4,0		2,0	40191212	17,70
	19,5	12,0	1,5	4,0		3,0	40191213	17,70
	19,5	12,0	1,5	4,0		4,0	40191214	17,70
	19,5	12,0	1,5	4,0		5,0	40191215	17,70
rechts	19,5	12,0	1,5	4,0		2,0	40191202	17,70
	19,5	12,0	1,5	4,0		3,0	40191203	17,70
	19,5	12,0	1,5	4,0		4,0	40191204	17,70
	19,5	12,0	1,5	4,0		5,0	40191205	17,70
links	19,5	9,0	1,5	4,0		2,0	40190912	20,80
	19,5	9,0	1,5	4,0		3,0	40190913	20,80
	19,5	9,0	1,5	4,0		4,0	40190914	20,80
	19,5	9,0	1,5	4,0		5,0	40190915	20,80
rechts	19,5	9,0	1,5	4,0		2,0	40190902	20,80
	19,5	9,0	1,5	4,0		3,0	40190903	20,80
	19,5	9,0	1,5	4,0		4,0	40190904	20,80
	19,5	9,0	1,5	4,0		5,0	40190905	20,80
links	19,5	9,0	1,5	4,0		5,0	40190915	18,90
	19,5	12,0	1,5	4,0		5,0	40191216	18,90
rechts	19,5	9,0	1,5	4,0		5,0	40190916	18,90
	19,5	12,0	1,5	4,0		5,0	40191217	18,90
	12,7	12,7	3,2			2,0	40127122	36,30
	12,7	12,7	3,2			3,0	40127123	36,30
	15,5	15,2	1,5	4,7		3,0	40155153	29,70

Profilierte Standardplatten Profiled standard blanks



	L mm	W mm	T mm	d mm	R mm	HC05 Art.Nr.	EURO Stck./pc.
System LEUCO							
	13,0	16,0	2,0	4,0	2,0	26131602	13,20
	13,0	16,0	2,0	4,0	3,0	26131603	13,20
	13,0	16,0	2,0	4,0	4,0	26131604	13,20
	20,0	21,0	2,0	4,0	5,0	26132105	14,30
	20,0	21,0	2,0	4,0	6,0	26132106	14,30
	20,0	21,0	2,0	4,0	7,0	26132107	14,30
	20,0	21,0	2,0	4,0	8,0	26132108	14,30
	26,0	24,0	2,0	4,0	9,0	26262409	17,20
	26,0	24,0	2,0	4,0	10,0	26262410	17,20
	26,0	24,0	2,0	4,0	11,0	26262411	17,20
	26,0	24,0	2,0	4,0	12,0	26262412	17,20
	26,0	24,0	2,0	4,0	13,0	26262413	17,20
System HOWEMA							
	13,0	14,0	1,5	3,2	2,0	27131402	13,30
	13,0	14,0	1,5	3,2	3,0	27131403	13,30
	13,0	14,0	1,5	3,2	4,0	27131404	13,30
	20,0	16,0	2,0	3,2	5,0	27201605	15,30
	20,0	16,0	2,0	3,2	6,0	27201606	15,30
	20,0	16,0	2,0	3,2	7,0	27201607	15,30
	20,0	16,0	2,0	3,2	8,0	27201608	15,30
	26,0	18,0	2,0	3,2	9,0	27261809	17,60
	26,0	18,0	2,0	3,2	10,0	27261810	17,60
	26,0	18,0	2,0	3,2	11,0	27261811	17,60
	26,0	18,0	2,0	3,2	12,0	27261812	17,60
	26,0	18,0	2,0	3,2	13,0	27261813	17,60



Notizen:/Notes:

A large, empty grid of small squares, typical of graph paper, intended for taking notes. The grid lines are thin and light gray.