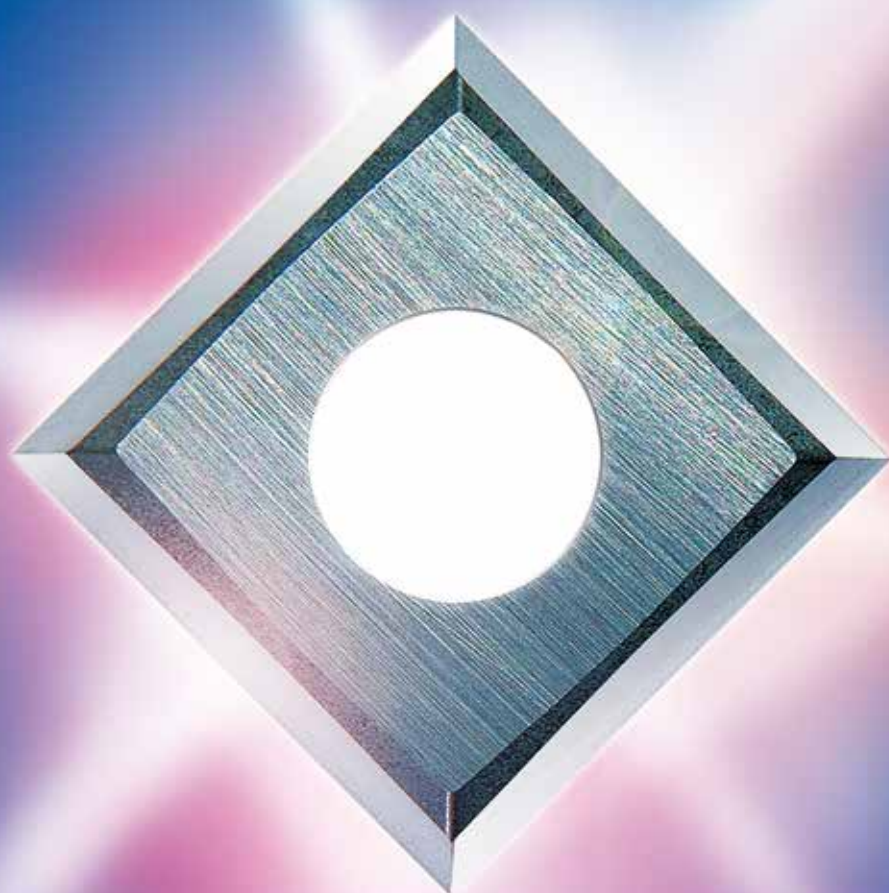




TOOLS CUT BETTER WITH TIGRA



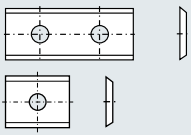
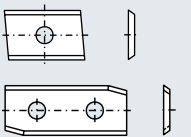
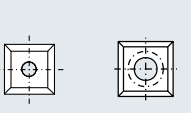
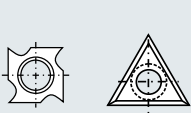
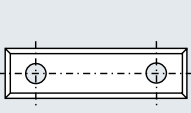
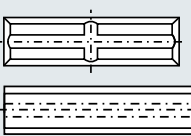
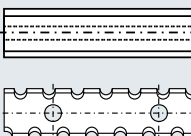
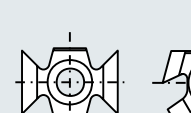
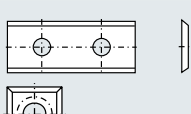
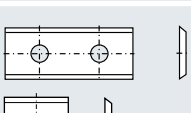


- EN Reversible knives and edge rounding knives
- DE Wendeschneidplatten und Kantenrunder
- FR Plaquettes réversibles et couteaux brise-arrête
- IT Coltelli reversibili e spigolatori
- ES Cuchillas reversibles y cuchillas para aristas



TOOLS CUT BETTER WITH TIGRA

- EN Reversible knives and edge rounding knives
 DE Wendeschneidplatten und Kantenrunder
 FR Plaquettes réversibles et couteaux brise-arrêt
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 ES Cuchillas reversibles y cuchillas para aristas

	EN Standard reversible knives 35° + 45° DE Standard Wendeschneidplatten 35° + 45° FR Plaquettes réversibles standard 35° + 45° IT Coltelli reversibili standard 35° + 45° ES Cuchillas reversibles standard 35° + 45°	22-24
	EN Reversible knives DE Wendeschneidplatten FR Plaquettes réversibles IT Coltelli reversibili ES Cuchillas reversibles	25
	EN Square knives DE Quadratische Wendeschneidplatten FR Plaquettes réversibles à quatre coupes IT Coltelli reversibili quadrati ES Cuchillas reversibles cuadradas	26 - 28
	EN Spurs, grooving knives DE Vorschneider, Nuter FR Araseur, couteaux pour rainures IT Rasanti, coltelli per incastri ES Incisores, cuchillas para ranura	29
	EN 4 cutting edges / special knives DE 4 Schneidkanten / Sondermesser FR 4 tranchants / couteaux spéciaux IT 4 taglienti / coltelli speciali ES 4 filos de corté / cuchillas especiales	30
	EN Face groove, back groove and crossgroove DE Brust-, Rücken- und Quernut FR Rainure sur grande face, sur petite face et transversal IT Scanalatura frontale, posteriore e di sicurezza ES Ranura frontal, de lomo y transversal	31
	EN Systems Leitz, Oertli, KWO/Versofix DE Systeme Leitz, Oertli, KWO/Versofix FR Systèmes Leitz, Oertli, KWO/Versofix IT Sistemi Leitz, Oertli, KWO/Versofix ES Sistemas Leitz, Oertli, KWO/Versofix	32 - 33
	EN Edge rounding knives DE Kantenrunder FR Couteaux brise-arrêt IT Spigolatori ES Cuchillas para aristas	34
	EN Matrix reversible knives DE Matrix Wendeschneidplatten FR Plaquettes réversibles Matrix IT Coltelli reversibili Matrix ES Cuchillas reversibles Matrix New! 	35 - 36
	EN Low price standard reversible knives DE Preiswerte Standard-Wendeschneidplatten FR Plaquettes réversibles standard à un prix avantageux IT Coltelli reversibili standard meno costosi ES Cuchillas reversibles standard New!	37

- EN Reversible knives - Carbide grades and their applications
 DE Wendeschneidplatten - Hartmetallsorten und ihre Anwendungen
 FR Plaquettes réversibles - Les nuances de carbures et leurs applications
 IT Coltelli reversibili - I tipi di metallo duro e le loro applicazioni
 ES Cuchillas reversibles - Calidades de metal duro y sus aplicaciones

EN DE FR IT ES	TIGRA grade TIGRA - Sorte Nuance TIGRA Tipo TIGRA Calidad TIGRA	ISO ISO ISO ISO ISO	USA USA USA Stati Uniti EE.UU.	Hardness Härte Dureté Durezza Dureza	Toughness Zähigkeit Ténacité Tenacità Tenacidad	Bending strength Biegebruchfestigkeit Résistance à la flexion Resistenza flessionale Resistencia a la flexión
	T02UMG	K01	C4+++			
	T02SMG	K01	C4+++			
	T03SMG	K01	C4++			
	T04MG-CR* old name: T08CR	K01	C4+			
	T04F UNIVERSAL	K05	C4			
	T05UMG	K01 - K10	C3++			
	T06MF	K20	C2			
	T08MF	K30	C2			
	T10MG	K10 - K40	C3+			
	TL15*	K10 - K40	C3+			

* EN Special binder
 * D Spezialbinder
 * F Liant spécial

* IT Legante speciale
 * ES Composición especial

EN For technical data, please refer to the pages 4-5.
 DE Die technischen Daten entnehmen Sie bitte den Seiten 4-5.
 FR Pour les données techniques, veuillez voir aux pages 4-5.

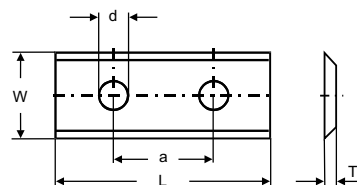
- EN Reversible knives - Carbide grades and their applications
DE Wendeschneidplatten - Hartmetallsorten und ihre Anwendungen
FR Plaquettes réversibles - Les nuances de carbures et leurs applications
IT Coltelli reversibili - I tipi di metallo duro e le loro applicazioni
ES Cuchillas reversibles - Calidades de metal duro y sus aplicaciones

Plastics Plastik Plastiques Plastica Plásticos	HDF HDF HDF HDF HDF	MDF MDF MDF MDF MDF	Chipboard Spanplatte Panneaux de particule Truciolare Panel de aglomerado	Hardwood Hartholz Bois dur Legno duro Madera dura	Softwood Weichholz Bois tendre Legno tenero Madera blanda	Main usage Hauptverwendung Usage principal Uso principale Uso principal
✓	✓	✓	○	✗	✗	EN MDF, HDF DE MDF, HDF FR MDF, HDF IT MDF, HDF ES MDF, HDF
✓	✓	✓	○	✗	✗	EN Chipboard, MDF, HDF DE Spanplatte, MDF, HDF FR Panneaux, MDF, HDF IT Truciolare, MDF, HDF ES Aglomerados, MDF, HDF
✓	✓	✓	✓	✗	✗	EN Chipboard, MDF DE Spanplatte, MDF FR Panneaux, MDF IT Truciolare, MDF ES Aglomerados, MDF
✓	○	✓	✓	✓	○	EN Tropical wood, very hard wood, chipboard, MDF DE Tropenholz, sehr hartes Holz, Spanplatte, MDF FR Bois tropical, bois très dur, panneaux, MDF IT Legni tropicali, legni molto duri, truciolare, MDF ES Madera tropical, madera muy dura, aglomerado, MDF
✓	○	✓	✓	✓	✓	EN Universal use DE Universeller Einsatz FR Utilisation universelle IT Uso universale ES Uso universal
✓	✗	○	✗	✓	✓	EN Special reversible knives DE Spezial-Wendeschneidplatten FR Plaquettes réversibles spéciales IT Coltelli reversibili speciali ES Cuchillas reversibles especiales
○	✗	✗	○	○	✓	EN Grooving knives DE Nuter FR Couteaux pour rainures IT Coltelli per incastri ES Cuchillas para ranura
✗	✗	✗	✗	✓	✓	EN Spurs, portable planers DE Vorschnneider, Handhobel FR Araseurs, rabots électro portatif IT Rasanti, piallatrici portatili ES Incisores, cepilladoras electricas
○	✗	✗	✗	✓	✓	EN 45° reversible knives, planer knives, softwood DE 45°-Wendeschneidplatten, Hobelkopfplatten, Weichholz FR Plaquettes 45°, couteaux pour outils à raboter, bois tendre IT Coltelli a 45°, coltelli per teste da pialla, legni teneri ES Cuchillas 45°, cuchillas para cepillar, madera blanda
✗	✗	✗	✗	✓	✓	EN 45° reversible knives, wood with knots DE 45°-Wendeschneidplatten, Holz mit Ästen FR Plaquettes 45°, bois avec des nœuds IT Coltelli a 45°, legni nodosi ES Cuchillas 45°, madera con nudos

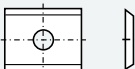
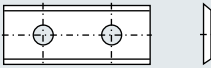
IT Per i dati tecnici, fare riferimento alle pagine 4-5.
ES Para los datos técnicos, consulte las páginas 4-5.

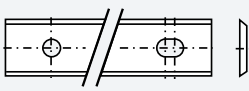
- ✓ best performance
✓ very good performance
○ acceptable
✗ not suitable

EN Standard reversible knives
 DE Standard-Wendeschneidplatten
 FR Plaquettes réversibles standard
 IT Coltelli reversibili standard
 ES Cuchillas reversibles standard

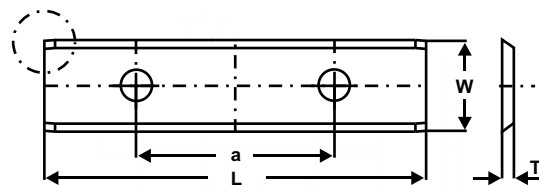


35°

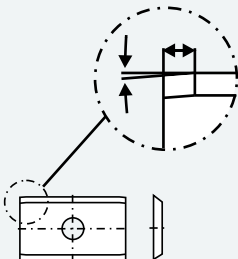
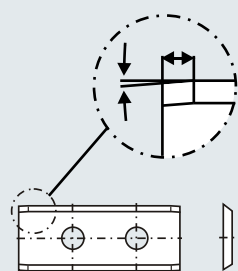
	L mm	W mm	T mm	a mm	T04F	T02UMG	T02SMG	T03SMG	T10MG	T04MG-CR (T08CR)
	7.5	12.0	1.5		012001			013811	013963	106822
	8.6	12.0	1.5		013182					
	9.0	12.0	1.5		012043					
	9.6	12.0	1.5		012015			013850	014010	106823
	10.0	12.0	1.5		013165					
	10.5	12.0	1.5		013167					
	11.0	12.0	1.5		013168					
	11.6	12.0	1.5		013183					
	13.0	12.0	1.5		013170					
	13.6	12.0	1.5		013185					
	14.6	12.0	1.5		013186					
	15.0	12.0	1.5		012003			013819	013972	106824
	15.7	12.0	1.5		013172					
	16.0	12.0	1.5		013203					
	17.0	12.0	1.5		013173					
	18.0	12.0	1.5		013174					
	19.0	12.0	1.5		013175					
	20.0	12.0	1.5		012004	115081	041587	013823	013977	104796
	25.0	12.0	1.5		012025			013853	014013	106826
	25.0	12.0	1.5	14.0	012011			013843	014001	106827
	30.0	12.0	1.5	14.0	012005	115082	037750	013828	013982	104795
	35.0	12.0	1.5	26.0	013208					
	40.0	12.0	1.5	26.0	012014	115083	052278	013847	014006	106828
	50.0	12.0	1.5	26.0	012006	115085	037901	013834	013987	106829
	60.0	12.0	1.5	26.0	012007	115086	054882	013839	013994	106830

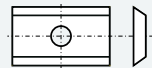
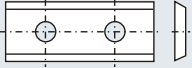
	L mm	W mm	T mm	a mm	T08MF	T03SMG	T10MG	T04MG-CR (T08CR)
	80.0	13.0	2.2	60.0	012008	013841	013997	106831
	100.0	13.0	2.2	60.0	012009	030831	013998	106832
	120.0	13.0	2.2	60.0	012010	030832	013999	106833

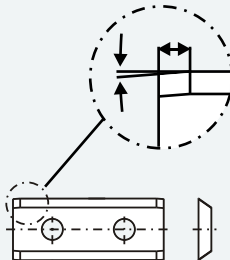
EN Reversible knives
DE Wendeschneidplatten
FR Plaquettes réversibles
IT Coltelli reversibili
ES Cuchillas reversibles



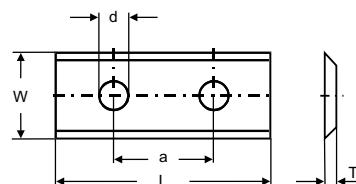
For use in planer heads!
Für Hobelköpfe!

	L mm	W mm	T mm		T04F	T10MG	T04MG-CR (T08CR)
	20.0	12.0	1.5	35°		013979	106674
	24.0	12.0	1.5	40°	104119	041060	106675
	24.7	12.0	1.5	35°	104120		106676
	30.0	12.0	1.5	35°	112875	013984	106677
	30.0	12.0	1.5	35°	118700		
	40.0	12.0	1.5	35°		014008	106678
	50.0	12.0	1.5	35°		013989	106679
	60.0	12.0	1.5	35°			106680

	L mm	W mm	T mm		T04F	T03SMG
	20.0	12.0	2.5	35°	100686	101037
	30.0	12.0	2.5	35°	054259	101038
	50.0	12.0	2.5	35°	100687	101039

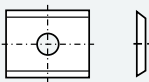
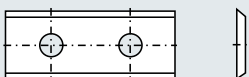
	L mm	W mm	T mm		T04F
	30.0	12.0	2.5	35°	102283

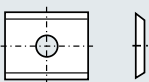
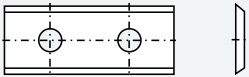
EN Reversible knives
 DE Wendeschneidplatten
 FR Plaquettes réversibles
 IT Coltelli reversibili
 ES Cuchillas reversibles



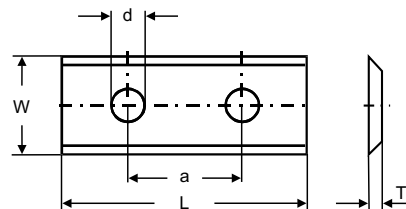
45°

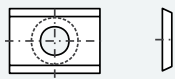
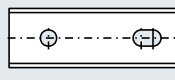
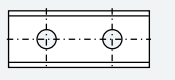
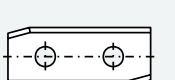
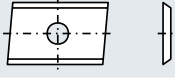
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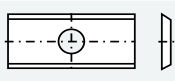
	L mm	W mm	T mm	a mm		T10MG	TL15
	7.5	12.0	1.5		45°	014093	030861
	9.6	12.0	1.5		45°	014117	030864
	15.0	12.0	1.5		45°	014099	030862
	20.0	12.0	1.5		45°	014101	013782
	25.0	12.0	1.5		45°	014124	030865
	25.0	12.0	1.5	14.0	45°	014111	030863
	30.0	12.0	1.5	14.0	45°	014103	030866
	40.0	12.0	1.5	26.0	45°	014114	030870
	50.0	12.0	1.5	26.0	45°	014106	030868
	60.0	12.0	1.5	26.0	45°	014108	030869
	12.0	12.0	1.5		45°	014097	013779

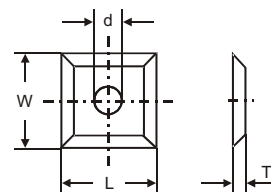
	L mm	W mm	T mm	a mm		T08MF	T10MG	TL15
	7.5	12.0	1.5		45°		014091	013777
	9.6	12.0	1.5		45°		014115	030851
	15.0	12.0	1.5		45°		014098	013780
	20.0	12.0	1.5		45°		014100	013781
	25.0	12.0	1.5		45°		014123	013788
	25.0	12.0	1.5	14.0	45°		014110	013786
	30.0	12.0	1.5	14.0	45°		014102	013783
	40.0	12.0	1.5	26.0	45°		014113	013787
	50.0	12.0	1.5	26.0	45°		014105	013784
	60.0	12.0	1.5	26.0	45°		014107	013785
	12.0	12.0	1.5		45°		014096	013778
	80.0	13.0	2.2	60.0	45°	013532	038233	

EN Reversible knives
 DE Wendeschneidplatten
 FR Plaquettes réversibles
 IT Coltelli reversibili
 ES Cuchillas reversibles

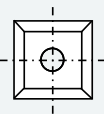
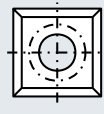
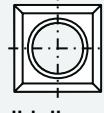
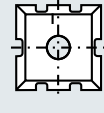


	L mm	W mm	T mm	a mm	T04F	T03SMG	T10MG
	20.0	14.3	2.5		013730	033492	033491
	44.5	15.0	1.5	25.0	013447		
	30.0	12.0	1.5	16.0	013449	033490	033477
	24.0	12.0	1.5		013241		
	30.0	12.0	1.5	14.0	013430	013924	033466
	50.0	12.0	1.5	26.0	013432	033470	033468
	30.0	12.0	1.5	14.0	013431	013925	033467
	50.0	12.0	1.5	26.0	013433	033471	033469
	20.0	12.0	1.5		013436	033480	033479
	20.0	12.0	1.5		013441	033481	033482
	30.0	12.0	1.5	14.0	013437	013926	033489
	40.0	12.0	1.5	26.0	013440		
	50.0	12.0	1.5	26.0	013438	013927	014038
	30.0	12.0	1.5	14.0	013442	013928	033484
	40.0	12.0	1.5	26.0	013445		
	50.0	12.0	1.5	26.0	013443	013929	014039

	L mm	W mm	T mm	a mm	T04F
	20.0	9.0	1.5		013195
	24.0	9.0	1.5	14.0	013197
	30.0	9.0	1.5	14.0	013199
	40.0	9.0	1.5	26.0	013200
	50.0	9.0	1.5	26.0	013201

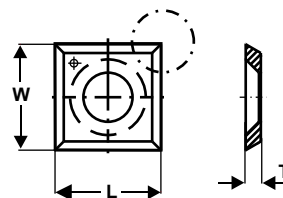


EN Square knives
 DE Quadratische Wendeschneidplatten
 FR Plaquettes réversibles à quatre coupes
 IT Coltelli reversibili quadrati
 ES Cuchillas reversibles cuadradas

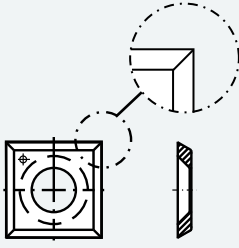
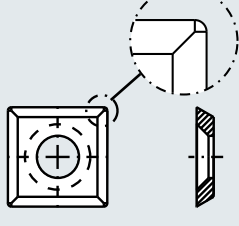
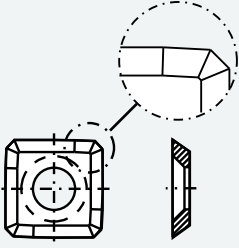
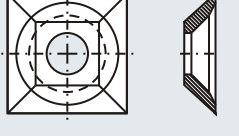
	L mm	W mm	T mm		d mm	T08MF	T04F	T02SMG	T03SMG	T10MG	T04MG-CR (T08CR)
	9.0	9.0	1.5	35°	4.0		100744				
	10.5	10.5	1.5	35°	4.0		013259		013863	014027	106834
	12.0	12.0	1.5	35°	4.0		012002	048357	013815	013968	106835
	13.0	13.0	2.5	35°	4.0	013328					
	17.0	17.0	2.0	35°	3.0	016565	016564				
	17.0	17.0	2.0	35°	4.0	013266	013265		013864	030830	106836
	19.0	19.0	2.0	35°	4.0		013264		030838	030827	106837
	10.5	10.5	1.5	35°							106682
	13.0	13.0	2.5	30°		013324					
	13.6	13.6	2.0	30°		013299					
	13.6	13.6	2.0	45°		037522					
	14.0	14.0	1.2	30°		013295					
	14.0	14.0	1.7	22°		013297					
	14.0	14.0	1.7	30°		013307					
	14.0	14.0	2.0	30°		013273	013260	054962	013865	014028	102558
 For Holz-Her system*	14.0	14.0	1.2	30°		013303					
	15.0	15.0	2.0			013322				014029	

* EN For use in Holz-Her cutterheads only
 * DE Nur zur Verwendung in Messerköpfen der Firma Holz-Her
 * FR Utilisation limitée aux porte outils de l'entreprise Holz-Her
 * IT Da usare solo su teste portacoltelli della Holz-Her
 * ES Sólo para empleo con portacuchillas de la firma Holz-Her

- EN Square knives
 DE Quadratische Wendeschneidplatten
 FR Plaquettes réversibles à quatre coupes
 IT Coltelli reversibili quadrati
 ES Cuchillas reversibles cuadradas



For use in planer heads!
 Für Hobelköpfe!

	L mm	W mm	T mm		T08MF	T04F	T10MG	T04MG-CR (T08CR)	TL15
Straight with sharp edges 	10.5	10.5	1.5	35°				106682	040343
	14.0	14.0	2.0	30°	013273	013260	014028	102558	013771
	14.0	14.0	2.0	37°	104295		104900		
	14.3	14.3	2.5	35°			013329	106683	
	14.6	14.6	2.5	30°			013314	106684	
	15.0	15.0	2.5	30°			013315	106685	
	15.0	15.0	2.5	37°			104062		
Straight with rounded edges 	14.0	14.0	2.0	30°	013276		104117		
	14.3	14.3	2.5	30°			104208		
	14.6	14.6	2.5	30°			013316		
	15.0	15.0	2.5	30°			104118		
	15.0	15.0	2.5	37°			109384		
For System Ledinek * left  right 	14.3	14.3	2.5	35°			053589		
	14.3	14.3	2.5	35°			053590		
	21.0	21.0	5.5	40°			022695		

* EN For use in Ledinek-cutterheads only

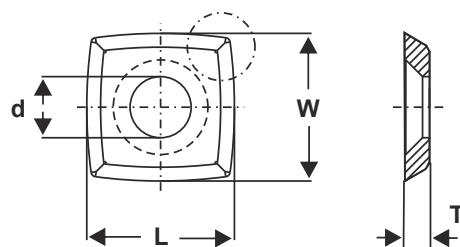
* DE Nur zur Verwendung in Messerköpfen der Firma Ledinek

* FR Utilisation limitée aux porte outils de l'entreprise Ledinek

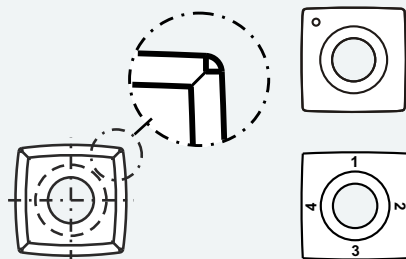
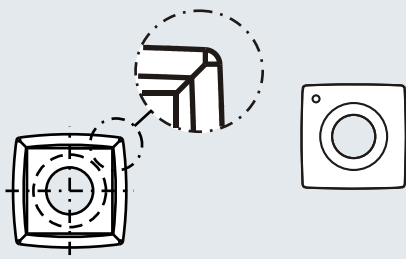
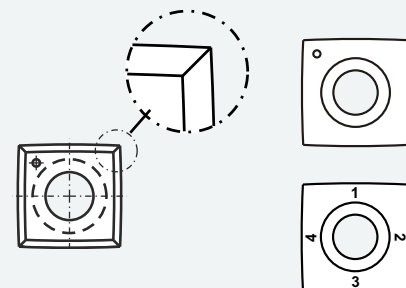
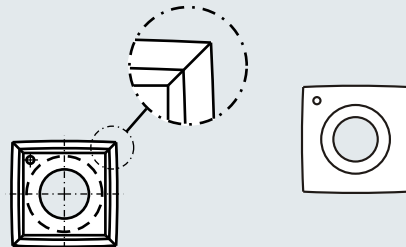
* IT Da usare solo su teste portacoltelli della Ledinek

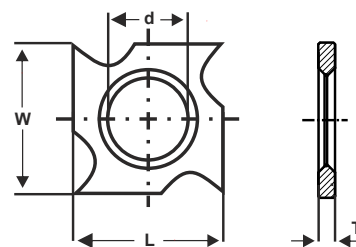
* ES Sólo para empleo con portacuchillas de la firma Ledinek

EN Square knives
 DE Quadratische Wendeschneidplatten
 FR Plaquettes réversibles à quatre coupes
 IT Coltelli reversibili quadrati
 ES Cuchillas reversibles cuadradas

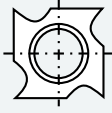
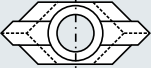


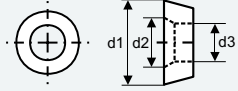
For use in planer heads!
 Für Hobelköpfe!

	L mm	W mm	T mm	R	T10MG
Cutting edge with radius and rounded edges 	15.0	15.0	2.5	R=150	013320
	15.0	15.0	2.5	R=150	101540
	15.0	15.0	2.5	R=115	115179
	14.0	14.0	2.0	R=150	100788
	14.6	14.6	2.5	R=150	052673
	15.0	15.0	2.5	R=50	043895
Cutting edge with radius and pointed edges 	15.0	15.0	2.5	R=150	100791
	15.0	15.0	2.5	R=100	101180
	15.0	15.0	2.5	R=150	104115
	14.0	14.0	2.0	R=150	100789
	14.6	14.6	2.5	R=150	100790
	15.0	15.0	2.5	R=50	101044

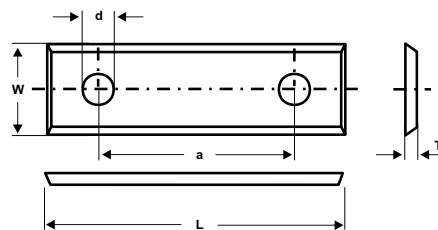


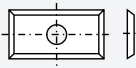
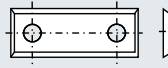
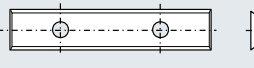
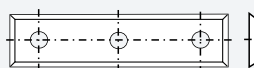
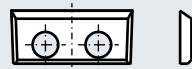
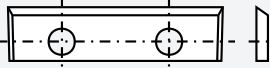
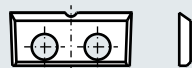
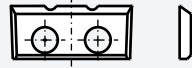
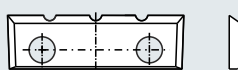
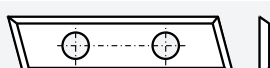
EN Spurs, grooving knives
 DE Vorschneider, Nuter
 FR Araseur, couteaux pour rainures
 IT Rasanti, coltelli per scanalature
 ES Incisores, cuchillas para ranura

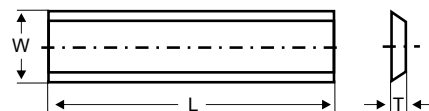
	L mm	W mm	T mm		d mm	T08MF	T04F	T06MF	T10MG
	18.0 18.0	18.0 18.0	1.95 2.45			013293 013291			
	18.0 18.0	18.0 18.0	2.95 3.70			013305 013289			
	22.9 22.0 (22.0	19.8 19.0 22.0	2.5 2.0 2.0)	30° 30°		045180 013271			
	14.0 16.0	28.0 16.0	2.0 3.0	30° 32°		013258 030829			
	18.5		3.25	30°					017190
	33.5				3.0	013252			
	18.9	7.9	4.0			013253			
	18.0	5.7	3.5			013255			
	24.5 24.5	13.0 13.0	4.0 5.0					053640 053641	
	34.0 34.0 34.0 34.0	16.0 16.0 16.0 16.0	4.0 5.0 6.0 7.0					013278 013279 013280 013281	

	d1 mm	d2 mm	d3 mm	T mm		T03SMG
	11.0	7.0	5.1	4.0		013373

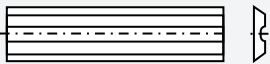
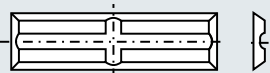
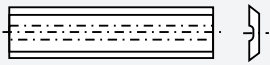
EN 4 cutting edges / special knives
 DE 4 Schneidkanten / Sondermesser
 FR 4 tranchants / couteaux spéciaux
 IT 4 taglienti / coltelli speciali
 ES 4 filos de corte / cuchillas especiales



	L mm	W mm	T mm	a mm	T04F	T03SMG	T10MG	TL15
	19.5	7.0	1.5		013492	030874	030886	030904
	19.5	7.5	1.5		013493	030875	030887	030905
	19.5	8.0	1.5		013494	013945	030888	030906
	19.5	9.0	1.5		013495	013946	030889	030907
	19.5	10.0	1.5		013496	030876	030890	030908
	19.5	11.0	1.5		013497	030877	030891	030909
	19.5	12.0	1.5		013498	013947	030892	013774
	29.5	7.0	1.5	14.0	013501	030878	030893	030910
	29.5	7.5	1.5	14.0	013502	013948	030894	030911
	29.5	8.0	1.5	14.0	013503	013949	030895	030912
	29.5	9.0	1.5	14.0	013504	013950	030896	030913
	29.5	10.0	1.5	14.0	013505	030879	030897	030914
	29.5	11.0	1.5	14.0	013506	030880	030898	030915
	29.5	12.0	1.5	14.0	013507	013952	014088	013775
	39.5	9.0	1.5	26.0	013511	045134		
	39.5	12.0	1.5	26.0	013512	013954	014089	030916
	49.5	8.0	1.5	26.0	013516	013955	030899	030917
	49.5	9.0	1.5	26.0	013517	013956	030900	030918
	49.5	10.0	1.5	26.0	013518	030881	030901	030919
	49.5	11.0	1.5	26.0	013519	030882	030902	030920
	49.5	12.0	1.5	26.0	013520	013957	014090	013776
	59.5	12.0	1.5	26.0	013523	013958	030903	030921
	50.0	9.0	1.5	37.0	016950	035425		
	50.0	10.0	1.7	37.0	016966	030883	030884	
	50.0	12.0	1.7	37.0	013327	013866	014030	
	16.0	7.0	1.5	7.0	016934	016933		
	23.0	7.0	1.5	14.0	053449			
	28.0	7.0	1.5	14.0	016823	016822		
	16.0	7.0	1.5	7.0	048995	052579		
	16.0	7.0	1.5	7.0	048996	052580		
	23.0	7.0	1.5	14.0	106866			
	23.0	7.0	1.5	14.0	106867			
	31.5	9.0	1.5	14.0	109149			



- EN Face groove, back groove and crossgroove
 DE Brust-, Rücken- und Quernut
 FR Rainure sur grande face, sur petite face et transversal
 IT Scanalatura frontale, posteriore e di sicurezza
 ES Ranura frontal, de lomo y transversal

	L mm	W mm	T mm	T04F	T03SMG	Style
	12.0	5.5	1.1	013355	013882	EN Back groove DE Rückennut FR Rainure sur petite face IT Scanalatura posteriore ES Ranura de lomo
	20.0	5.5	1.1	013357	013884	
	30.0	5.5	1.1	013363	013890	
	40.0	5.5	1.1	013359	013886	
	50.0	5.5	1.1	013361	013888	
	20.0	4.1	1.1	013403		EN Back and crossgroove DE Rücken- und Quernut FR Rainure transversale IT Scanalatura di sicurezza ES Ranura transversal
	20.0	5.5	1.1	013394	013911	
	25.0	5.5	1.1	013402	013920	
	30.0	5.5	1.1	013397	013914	
	40.0	5.5	1.1	013399	013916	
	12.0	5.5	1.1	013334	013870	EN Face groove DE Brustnut FR Rainure sur grande face IT Scanalatura frontale ES Ranura frontal
	20.0	5.5	1.1	013336	013872	
	30.0	5.5	1.1	013345	013880	
	40.0	5.5	1.1	013339	013874	
	50.0	5.5	1.1	013342	013877	
	20.0	5.5	1.1	013378	030871	EN 4 Cutting edges DE 4 Schneidkanten FR 4 Tranchants IT 4 Taglienti ES 4 Filos de corte
	25.0	5.5	1.1	013376	030872	
	30.0	5.5	1.1	013379	030847	
	35.0	5.5	1.1	013377	013893	
	40.0	5.5	1.1	013380	013898	
	44.5	5.5	1.1	013375	030873	
	50.0	5.5	1.1	013381	013900	

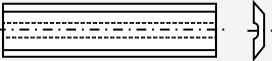
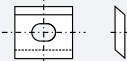
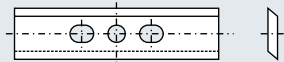
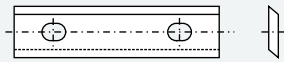
EN Systems Leitz, Oertli
 DE Systeme Leitz, Oertli
 FR Systèmes Leitz, Oertli
 IT Sistemi Leitz, Oertli
 ES Sistemas Leitz, Oertli



For Systems Leitz and Oertli

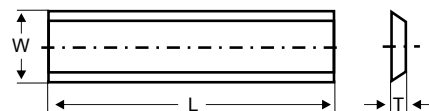
New!

new!

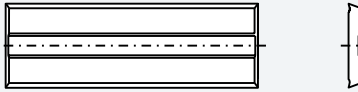
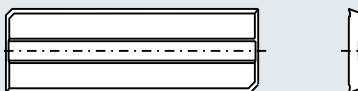
For Leitz system*	L mm	W mm	T mm	T04F	T03SMG	T10MG Microfinish
 <i>New!</i> *Matrix coating available, please see p. 36.	7.7	8.0	1.5	013457	013930	014042
	9.7	8.0	1.5	013470	013942	014066
	11.7	8.0	1.5	013458	013931	014044
	14.7	8.0	1.5	013459	013932	014046
	19.7	8.0	1.5	013460	013933	014048
	24.7	8.0	1.5	013472	013943	014069
	30.0	8.0	1.5	013461	013934	014050
	35.0	8.0	1.5	013462	013935	014052
	40.0	8.0	1.5	013463	013936	129364
	45.0	8.0	1.5	013488	049488	129365
	50.0	8.0	1.5	013464	013937	014056
	60.0	8.0	1.5	013466	013938	014058
	70.0	8.0	1.5	013478	030927	129368
	80.0	8.0	1.5	013467	013939	014060
	100.0	8.0	1.5	013468	013940	014062
	120.0	8.0	1.5	013469	049489	014064
	180.0	8.0	1.5			129591
	230.0	8.0	1.5			129592
	240.0	8.0	1.5			129593
	310.0	8.0	1.5			129594
For Oertli system*	L mm	W mm	T mm	T04F	T10MG	
	8.8	8.0	1.5	030931	017193	
	9.0	8.0	1.5	030932	017194	
	9.5	8.0	1.5	030933	017195	
	11.0	8.0	1.5	030934	017196	
	12.0	8.0	1.5	030935	017197	
	15.0	8.0	1.5	030936	017198	
	20.0	8.0	1.5	030937	017200	
	25.0	8.0	1.5	030938	017201	
	28.0	8.0	1.5	030939	017202	
		32.0	8.0	1.5	030940	017203
	40.0	8.0	1.5	030941	017204	
	50.0	8.0	1.5	030942	017206	
	60.0	8.0	1.5	030943	017207	
	80.0	8.0	1.5	030944	017209	
	100.0	8.0	1.5	030945	017210	
	12.0	12.0	1.5	034294	034295	

EN For use in Leitz/Oertli-cutterheads only
 DE Nur zur Verwendung in Messerköpfen der Firma Leitz bzw. Oertli
 FR Utilisation limitée aux porte outils des entreprises Leitz et Oertli
 IT Da usare solo su teste portacoltelli della Leitz - Oertli
 ES Sólo para empleo con portacuchillas de la firma Leitz/Oertli

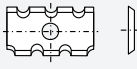
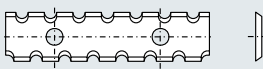
EN System KWO/Versofix
DE System KWO/Versofix
FR Système KWO/Versofix
IT Sistema KWO/Versofix
ES Sistema KWO/Versofix



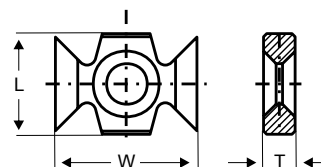
For SystemKWO/Versofix

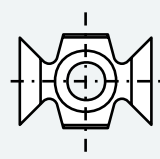
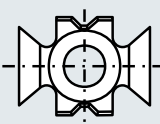
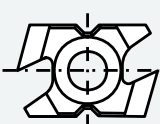
For KWO/Versofix system*	L mm	W mm	T mm	T03SMG TiN-coated	T10MG TiN-coated
	20.0	5.5	1.1	049525	049526
	30.0	6.5	1.1	101074	101075
	50.0	6.5	1.1	101078	101079
	20.0	10.0	1.5	014273	030841
	30.0	10.0	1.5	014275	030842
	50.0	10.0	1.5	014277	030843
 with chamfer	50.0	10.0	1.5	014279	030844

EN Reversible knives with chip breakers
DE Wendeschneidplatten mit Spanbrechernuten
FR Plaquettes réversibles avec brise copeaux
IT Coltellini con rompitruciolo
ES Cuchillas reversibles con rompevirutas

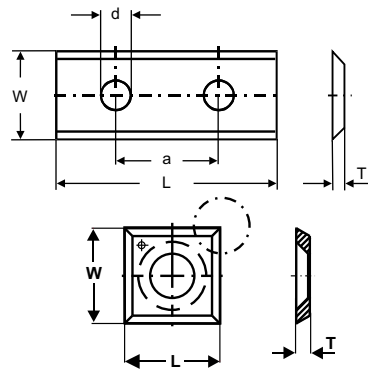
	L mm	W mm	T mm	a mm	T04F
	20.0	12.0	1.5		030928
	30.0	12.0	1.5	14.0	013117
	50.0	12.0	1.5	26.0	013127
	60.0	12.0	1.5	26.0	108318

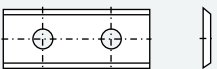
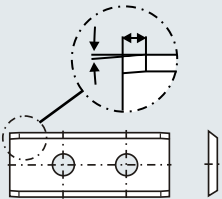
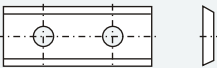
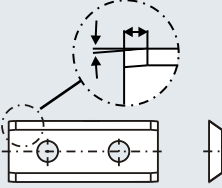
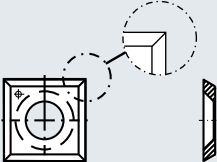
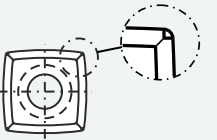
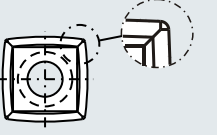
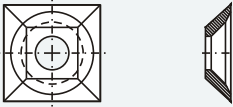
EN Edge rounding knives
 DE Kantenrunder
 FR Couteaux brise-arrête
 IT Spigolatori
 ES Cuchillas para aristas



		L mm	W mm	T mm	Type	T10MG
		16.0	22.0	5.0	TKM 45°	032292
		16.0	22.0	5.0	TKM R 1.5	032294
		16.0	22.0	5.0	TKM R 2.0	032295
		16.0	22.0	5.0	TKM R 2.5	032296
		16.0	22.0	5.0	TKM R 3.0	032297
		16.0	22.0	5.0	TKM R 4.0	032299
		16.0	22.0	6.0	TKM R 5.0	032301
 For Leitz-system „Mechanical“ *		15.0	20.0	8.0	TKM 11/0 - 45°	032304
		15.0	22.3	9.0	TKM 12/0 R3	032306
		15.0	20.0	7.3	TKM 12/3 R2	032308
		15.0	18.3	7.3	TKM 12/3 R2F	032309
		15.0	20.0	7.0	TKM 12/4 R1.5	032310
 For Leitz-system „BG-Test“ *		15.0	23.0	8.0	TKM 21/0 - 45°	032316
		15.0	23.0	9.0	TKM 22/0 R3	032318
		15.0	23.0	7.3	TKM 22/3 R2	032320
		15.0	23.0	7.0	TKM 22/4 R1.5	032322
		15.0	23.0	9.0	TKM 22/5 R3F	032323
		15.0	25.7	7.3	TKM 24/0 R5	032327
		15.0	25.7	7.3	TKM 24/1 R5	032326

EN Matrix Reversible knives
 DE Matrix Wendeschneidplatten
 FR Plaquettes réversibles Matrix
 IT Coltelli reversibili Matrix
 ES Cuchillas reversibles Matrix



	L mm	W mm	T mm	a mm		R	Matrix coated carbide
	30.0	12.0	1.5	14.0	35°		131350
	50.0	12.0	1.5	26.0	35°		131351
	30.0	12.0	1.5	14.0	35°		131436
	30.0	12.0	2.5	14.0			131352
	30.0	12.0	2.5	14.0	35°		131433
	14.0	14.0	2.0		30°		131437
	15.0	15.0	2.5		30°		131438
	15.0	15.0	2.5			R=150	131440
	14.6	14.6	2.5			R=150	131441
	15.0	15.0	2.5			R=50	131442
	21.0	21.0	5.5		40°		131439

EN Matrix Reversible knives
 DE Matrix Wendeschneidplatten
 FR Plaquettes réversibles Matrix
 IT Coltelli reversibili Matrix
 ES Cuchillas reversibles Matrix

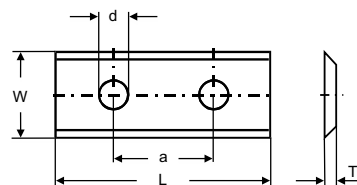
New!



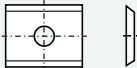
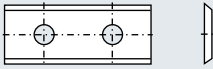
For System Leitz

For Leitz system*	L mm	W mm	T mm	Matrix coated carbide
	7.7	8.0	1.5	131443
	9.7	8.0	1.5	131444
	11.7	8.0	1.5	131445
	14.7	8.0	1.5	131446
	19.7	8.0	1.5	131447
	24.7	8.0	1.5	131448
	30.0	8.0	1.5	131449
	35.0	8.0	1.5	131450
	40.0	8.0	1.5	131451
	45.0	8.0	1.5	131452
	50.0	8.0	1.5	131453
	60.0	8.0	1.5	131454
	70.0	8.0	1.5	131455
	80.0	8.0	1.5	131456
	100.0	8.0	1.5	131457
	120.0	8.0	1.5	131458
	180.0	8.0	1.5	131459
	230.0	8.0	1.5	131460
	240.0	8.0	1.5	131461
	310.0	8.0	1.5	131462

- EN Low price standard reversible knives
 DE Preiswerte Standard-Wendeschneidplatten
 FR Plaquettes réversibles standard à un prix avantageux
 IT Coltelli reversibili standard meno costosi
 ES Cuchillas reversibles standard



- ECO -

	L mm	W mm	T mm	a mm	T10e
	20.0	12.0	1.5		127452
	30.0	12.0	1.5	14.0	125424
	40.0	12.0	1.5	26.0	127453
	50.0	12.0	1.5	26.0	125425
	60.0	12.0	1.5	26.0	127454

EN TIGRA grade	ISO	USA	Hardness	Toughness	Bending strength	Main usage
DE TIGRA - Sorte	ISO	USA	Härte	Zähigkeit	Biegebruchfestigkeit	Hauptverwendung
FR Nuance TIGRA	ISO	USA	Dureté	Ténacité	Résistance à la flexion	Usage principal
IT Tipo TIGRA	ISO	Stati Uniti	Durezza	Tenacità	Resistenza flessionale	Uso principale
ES Calidad TIGRA	ISO	EE.UU.	Dureza	Tenacidad	Resistencia a la flexión	Uso principal
T10e	K10 - K40	C3+				EN Wood, low price demands DE Holz, niedriger Preis FR Bois, prix bas IT Legno, prezzo ridotto ES Madera, precio economico