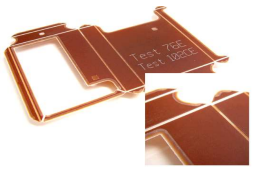
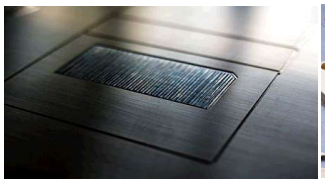
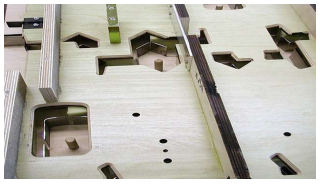
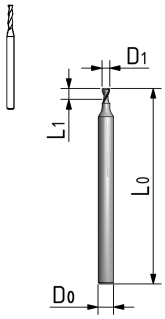
Milling Tools / Cutters for counters made of Pertinax and Steel, for engraving brass or aluminum, for cutting plywood with the router

appel

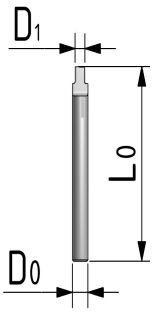





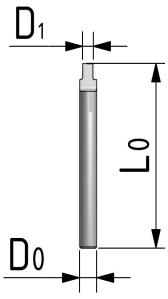
Milling of phenolic counters (rillma / Pertinax) and also Steel plates until 180 Hv. All sizes in mm



Art.#	Description	D0	L0	L1	W1	D1 Cutting-Ø	Material	MOQ
SBA0007	**Cutter, double edge**	3	38			0,70	TC	10
SBA0008	To mill / cut the creasing channel on Pertinax, Vetronit, Softinax	3	38			0,80	TC	10
SBA0009	Advantage in higher speed	3	38			0,90	TC	10
SBA0010		3	38			1,00	TC	10
SBA0011		3	38			1,10	TC	10
SBA0012		3	38			1,20	TC	10
SBA0013		3	38			1,30	TC	10
SBA0014		3	38			1,40	TC	10
SBA0015		3	38			1,50	TC	10
SBA0016		3	38			1,60	TC	10
SBA0017		3	38			1,70	TC	10
SBA0018		3	38			1,80	TC	10
SBA0019		3	38			1,90	TC	10
SBA0020		3	38			2,00	TC	10
SBA0021		3	38			2,10	TC	10
SBA0022		3	38			2,20	TC	10
SBA0023		3	38			2,30	TC	10
SBA0024		3	38			2,40	TC	10
SBA0025		3	38			2,50	TC	10
SBA0026		3	38			2,60	TC	10
SBA0027		3	38			2,70	TC	10
SBA0028		3	38			2,80	TC	10
SBA0029		3	38			2,90	TC	10
SBA0030		3	38			3,00	TC	10



	Cutter, single edge	D0	L0	L1	W1	D1 Cutting-Ø	Material	
SAB0007	To mill / cut the creasing channel on any phenolic counter	3	38	1,5		0,70	TC	5
SAB0008	and also for steel up 180 Hv hardness.	3	38	1,5		0,80	TC	5
SAB0009	Advantage in better edge quality, easy to re-sharp	3	38	1,7		0,90	TC	10
SAB0010		3	38	1,9		0,10	TC	10
SAB0011		3	38	1,9		1,00	TC	10
SAB0012		3	38	1,9		1,10	TC	10
SAB0013		3	38	1,9		1,20	TC	10
SAB0014		3	38	1,9		1,30	TC	10
SAB0015		3	38	1,9		1,40	TC	10
SAB0016		3	38	2,1		1,50	TC	10
SAB0017		3	38	2,1		1,60	TC	10
SAB0018		3	38	2,1		1,70	TC	10
SAB0019		3	38	2,1		1,80	TC	10
SAB0020		3	38	2,1		1,90	TC	10
SAB0021		3	38	2,1		2,00	TC	10
SAB0022		3	38	3		2,10	TC	10
SAB0023		3	38	3		2,20	TC	10
SAB0024		3	38	3		2,30	TC	10
SAB0025		3	38	3		2,40	TC	10
SAB0026		3	38	3		2,50	TC	10
SAB0027		3	38	3		2,60	TC	10
SAB0028		3	38	3		2,70	TC	10
SAB0029		3	38	3		2,80	TC	10
SAB0030		3	38	3		3,00	TC	10

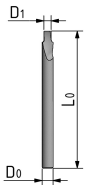


	Cutter, single edge	D0	L0	L1	W1	D1 Cutting-Ø		
SAC0009	To mill / cut the creasing channel on any phenolic counter	3	40	1,7		0,90	TC	10
SAC0010	This milling toold with a total lenght of 40 mm is mostly used	3	40	1,9		1,00	TC	10
SAC0011	on Lasercomb counter-cutters	3	40	1,9		1,10	TC	10
SAC0012		3	40	1,9		1,20	TC	10
SAC0013		3	40	1,9		1,30	TC	10
SAC0014		3	40	1,9		1,40	TC	10
SAC0015		3	40	1,9		1,50	TC	10
SAC0016		3	40	2,1		1,60	TC	10
SAC0017		3	40	2,1		1,70	TC	10
SAC0018		3	40	2,1		1,80	TC	10
SAC0019		3	40	2,1		1,90	TC	10
SAC0020		3	40	2,1		2,00	TC	10
SAC0021		3	40	2,1		2,10	TC	10
SAC0022		3	40	3		2,20	TC	10
SAC0023		3	40	3		2,30	TC	10
SAC0024		3	40	3		2,40	TC	10
SAC0025		3	40	3		2,50	TC	10
SAC0026		3	40	3		2,60	TC	10
SAC0027		3	40	3		2,70	TC	10
SAC0028		3	40	3		2,80	TC	10
SAC0030		3	40	3		3,00	TC	10

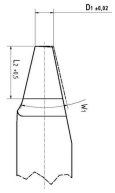
Milling Tools / Cutters for counters made of Pertinax and Steel, for engraving brass or aluminum, for cutting plywood with the router

Milling of phenolic counters (rillma / Pertinax) and also Steel plates until 180 Hv. All sizes in mm

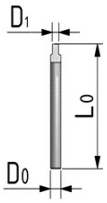
	Cutter, double edge	D0	L0	L1	W1	D1 Cutting-Ø	Material	MOQ
SBB0007	To mill / cut the creasing channel on any phenolic counter	3,175	40			0,70	TC	5
SBB0008	but shank dieameter is 1/8" (=3,175 mm)	3,175	40			0,80	TC	5
SBB0009	A shank diameter requiered by counter cutters made in USA	3,175	40			0,90	TC	5
SBB0010	or in China	3,175	40			1,00	TC	5
SBB0011		3,175	40			1,10	TC	5
SBB0012		3,175	40			1,20	TC	5
SBB0013		3,175	40			1,30	TC	5
SBB0014		3,175	40			1,40	TC	5
SBB0015		3,175	40			1,50	TC	5
SBB0016		3,175	40			1,60	TC	5



Art.#	Description	D0	L0	L1	W1	D1 Cutting-Ø	Material	MOQ
SAD0010	**Cutter, single edge**	3	40			1,00	**Diamond**	5
SAD0011	Coated wit diamond, for special long runs of milling channels	3	40			1,10	**Diamond**	5
SAD0012	on Pertinax or any phenolic counter	**3**	**40**			**1,20**	**Diamond**	**1**
SAD0013	Life time > 1.000 Meter	3	40			1,30	**Diamond**	2
SAD0014		3	40			1,40	**Diamond**	2
SAD0015		3	40			1,50	**Diamond**	2
SAD0016		3	40			1,60	**Diamond**	2
SAD0017		3	40			1,70	**Diamond**	2
SAD0018		3	40			1,80	**Diamond**	2
SAD0019		3	40			1,90	**Diamond**	2
SAD0020		3	40			2,00	**Diamond**	2

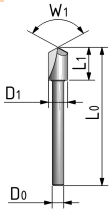


	Cutter, single edge, conical	D0	L0	Depth	W1	Width (D1): up	Material	
SAE0007	To mill creasing channels with a tappered form has certain	3	38	0,3	25°	Ø: 0,70 :0,83 mm	TC	5
SAE0008	advantages, specially when laminated cardborad (PET / OPP)	3	38	0,4	25°	Ø: 0,80 :0,97 mm	TC	5
SAE0009	is in the inside of the box (avoid fragmentation) important in	3	38	0,45	25°	Ø: 0,90 :1,10 mm	TC	5
SAE0010	boxes for liquids and frozen food.	3	38	0,5	25°	Ø: 1,00 :1,22 mm	TC	5
SAE0011	Also recomended to use when facet-creasing used are used	3	38	0,6	25°	Ø: 1,10 :1,36 mm	TC	5
SAE0012		3	38	0,7	25°	Ø: 1,20 :1,51 mm	TC	5
SAE0013		3	38	0,8	25°	Ø: 1,30 :1,67 mm	TC	5
SAE0014		3	38	0,9	25°	Ø: 1,40 :1,87 mm	TC	5

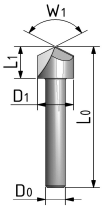


	Cutter, single edge	D0	L0	L1	W1	D1 Cutting-Ø	TC	5
SAA0010	This tool has a shank diamater of just 2,35 mm	2,35	38			1,00	TC	5
SAA0011	Used in older sample-makers (mainly from Elcede) with a	2,35	38			1,10	TC	5
SAA0012	milling tool or milling head	2,35	38			1,20	TC	5
SAA0013		2,35	38			1,30	TC	5
SAA0014		2,35	38			1,40	TC	5
SAA0015		2,35	38			1,50	TC	5
SAA0016		2,35	38			1,60	TC	5
SAA0017		2,35	38			1,70	TC	5
SAA0018		2,35	38			1,80	TC	5
SAA0019		2,35	38			1,90	TC	5
SAA0020		2,35	38			2,00	TC	5

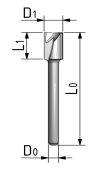
Cutters / milling tools for the periphery of phenolic counters



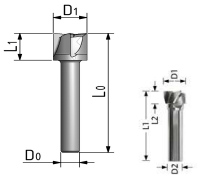
Art.#	Description	D0	L0	L1	W1	D1 Kopf-Ø	Material	MOQ
	For chanfering and cutting							
SCC0001	This tools are used for chanfering the creasing matrix (rillma)	3	40	9	60°	5,00	TC	1
SCC0002	and also for the last process of cutting out them from the	3	40	9	90°	5,00	TC	1
SCA0002	sheet (cutting also the silicon paper from the self-adhesive)	2,35	38	9	90°	5,00	TC	1
SCA0003	In certain cases also used for chanfering the edge of the	2,35	38	9	120°	5,00	TC	1
SCB0001	channel	3	38	9	120°	5,00	TC	1
SCC0003		3	40	9	120°	5,00	TC	1
SCD0001		5	40	9	120°	9,00	TC	1
SGB0001		3	40	9	120°	9,00	**Diamond**	1
SGC0001		5	40	9	120°	9,00	**Diamond**	1
SGB0002		3	40	9	130°	5,00	**Diamond**	1
SCB0002		3	38	9	130°	5,00	TC	1
SCC0004		3	40	9	130°	5,00	TC	1



	Chanfering	D0	L0	L1	W1	D1 Head-Ø		
SCA0005	To finisch the phenolic counter (rillam) with a 160° or even	2,35	38	9	160°	9,00	TC	1
SCB0003	better 170° allows the sheet to be transportet by the grippers	3	38	9	160°	9,00	TC	1
SCC0005	without any obstacle.	3	40	9	160°	9,00	TC	1
SCD0002		5	40	9	160°	9,00	TC	1
SGB0003		3	40	9	160°	9,00	**Diamond**	**1**
SGC0003		5	40	9	160°	9,00	**Diamond**	**1**
SGC0004		5	40	9	170°	9,00	**Diamond**	**1**
SGB0004		3	40	9	170°	9,00	**Diamond**	1
SCB0004		3	38	9	170°	9,00	TC	1
SCH0006		3	40	9	170°	9,00	TC	1
SCD0003		5	40	9	170°	9,00	TC	1



	Positioning hole	D0	L0	L1	W1	D1 Head-Ø		
SCA0006	This tools mill/cut/drill the exact positioning hole on the counter	2,35	38	9	180°	5,00	TC	1
SCA0007	In this hole, the head of the positioning pin will be fixed.	2,35	38	9	180°	5,50	TC	1
SCB0006	Positioning pins are responsible to register perfectly the	3	38	9	180°	5,00	TC	1
SCC0007	counter to the steel rule die (cutting form)	3	40	9	180°	5,00	TC	1
SCD0004		5	40	9	180°	5,00	TC	1
SCC0009		3	40	9	180°	5,47	TC	1
SCB0005		3	38	9	180°	5,50	TC	1
SCC0008		3	40	9	180°	5,50	TC	1
SCD0005		5	40	9	180°	5,50	TC	1



Scanning / milling / rectifying of the vacuum table of a CNC-counter cutter (made of aluminium, plastic or MDF)

	Scanning of the table-surface	D0	L0	L1	W1	D1 Head-Ø	Material	
SCE0002	Cutter with 4 edges	3	38	9		9,00	TC	1
SCE0003	Tool which is used after a certain period in order to asure	3	40	9		9,00	TC	1
SCE0001	a flat table surface, as the 120° cutters may produce a damage	5	40	9		9,00	TC	1
SHC0001	on the table if not used a protective cutting mat or sheet	**5**	**40**	**9**		**9,00**	**Diamond**	**1**
SHB0001	The scanning is done in steps of 0.05 mm. Diamond tools last	**3**	**40**	**9**		**9,00**	**Diamond**	**1**
	about 10 times longer							
SCE0006		**6**	**50**	**8**		**12,00**	**TC**	**2**
	Special tools for scanning special milling machines (pls ask)					20,00	TC	**1**

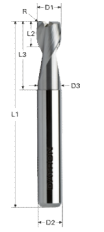
Milling Tools / Cutters for counters made of Pertinax and Steel, for engraving brass or aluminum, for cutting plywood with the router

appel

Milling of creasing channels on steel plates form 35 HRC to 52 HRC

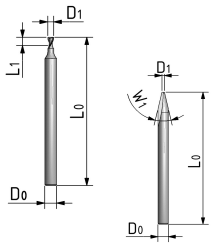
Art.#	Description	D0	L0	L1	W1	D1 Cutting-Ø	Material	MOQ
SDA0010	**Cutters, double edge**	3	38	1,2		1,00	TC + AlTin-S	5
SDA0011	This tools were specially developed for milling/engraving the	3	38	1,2		1,10	TC + AlTin-S	5
SDA0012	creasing channel in a steel plate.	3	38	1,2		1,20	TC + AlTin-S	5
SDA0013	You can cut in steps of 0.05 or 0.10 mm, according to the	3	38	1,2		1,30	TC + AlTin-S	5
SDA0014	hardness and constitution of the material, cutting parameters	3	38	1,4		1,40	TC + AlTin-S	5
SDA0015	(revolutions/speed/torque) and depending on the cooling system	3	38	1,4		1,50	TC + AlTin-S	5
SDA0016	TC (tungsten carbide) cotaed with AlTin-S	3	38	1,4		1,60	TC + AlTin-S	5
SDA0017		3	38	1,4		1,70	TC + AlTin-S	5
SDA0018		3	38	1,5		1,80	TC + AlTin-S	5
SDA0019		3	38	1,5		1,90	TC + AlTin-S	2
SDA0020		3	38	1,8		2,00	TC + AlTin-S	2
SDA0022		3	38	5		2,20	TC + AlTin-S	2

Milling of creasing channels on steel plates form 35 HRC to 52 HRC



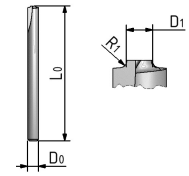
Art.#	Description	D0	L0	L1	W1	D1 Cutting-Ø	Coated	MOQ
Saus0009	**Cutters, double edge**	3	38			0,90	TC + AlCrN	5
Saus0010	This tools were specially developed for milling/engraving the	3	38			1,00	TC + AlCrN	5
Saus0011	creasing channel in a steel plate.	3	38			1,10	TC + AlCrN	5
Saus0012	You can cut in steps of 0.10 mm, according to the	3	38			1,20	TC + AlCrN	5
Saus0013	hardness and constitution of the material, cutting parameters	3	38			1,30	TC + AlCrN	5
Saus0014	(revolutions/speed/torque) and depending on the cooling system	3	38			1,40	TC + AlCrN	5
Saus0015		3	38			1,50	TC + AlCrN	5
Saus0016		3	38			1,60	TC + AlCrN	5
Saus0017		3	38			1,70	TC + AlCrN	5
Saus0018		3	38			1,80	TC + AlCrN	2
Saus0019		3	38			1,90	TC + AlCrN	2
Saus0020		3	38			2,00	TC + AlCrN	2
Saus0021		3	38			2,10	TC + AlCrN	2
SDD0013	**Cutters double edge**	3	40			1,30	TC + AlCrN	5
SDD0016		3	40			1,60	TC + AlCrN	5

Milling of creasing channels on steel plates form 35 HRC to 52 HRC



Art.#	Description	D0	L0	L1	W1	D1 Cutting-Ø	Material	MOQ
SDH0012	**Cutters, double edge**	3	40			1,20	TC + AlTiCrN	5
SDH0013	TC (tungsten carbide) cotaed with AlTiCrN, which last longer	3	40			1,30	TC + AlTiCrN	5
SDH0014	Life-time > 200 m at V=2 m/min.	3	40			1,40	TC + AlTiCrN	5
SDH0015		3	40			1,50	TC + AlTiCrN	5
SDH0016		3	40			1,60	TC + AlTiCrN	5
SDH0017		3	40			1,70	TC + AlTiCrN	5
SDH0018		3	40			1,80	TC + AlTiCrN	5
SDH0019		3	40			1,90	TC + AlTiCrN	5
SDF0010	**Cutters, double edge, conical (25°)**	3	38			1,00	TC + AlTiCrN	2
SDF0011	For cutting a conical (tappered) channel on steel plates	3	38			1,10	TC + AlTiCrN	2
SDF0012	Ideal for creasing cardboard laminated with PET / OPP on the	3	38		25°	1,20	TC + AlTiCrN	2
SDF0013	inner side, also good to use with facet creasing rules and	3	38		25°	1,30	TC + AlTiCrN	2
SDF0014	when the creasing rule is higher than the cutting rule	3	38		25°	1,40	TC + AlTiCrN	2

Cutters / milling tools to reach a smooth bevel

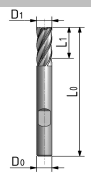


		D0		L0	R1	D1 Cutting-Ø	Material	
SDI0009	Cutters / milling tools specially designed to sleek and finish	3		40	0,3	0,90	TC + AlTiCrN	5
SDI0010	the edge of the channel. An 0.3 mm radius will be made,	3		40	0,3	1,00	TC + AlTiCrN	5
SDI0011	avoiding a shap border and cleaning/shaving at the same time	3		40	0,3	1,10	TC + AlTiCrN	5
SDI0012	the edge from the steel chips	**3**		**40**	**0,3**	**1,20**	**TC + AlTiCrN**	**2**
SDI0013		3		40	0,3	1,30	TC + AlTiCrN	5
SDI0014		3		40	0,3	1,40	TC + AlTiCrN	5
SDI0015		3		40	0,3	1,50	TC + AlTiCrN	5
SDI0016		3		40	0,3	1,60	TC + AlTiCrN	5
SDI0017		3		40	0,3	1,70	TC + AlTiCrN	5
SDI0018		3		40	0,3	1,80	TC + AlTiCrN	5

Cutters / milling tools to engave a chanfer on the border of the channel on Steel Counter Plates. Using i.e an 90° Chanfering, you would get a 45° chanfer at the edge of the channel

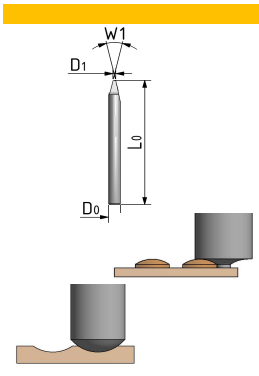
Art.#	Description	D0	L0	L1	W1	D1 Head-Ø	Material	MOQ
SDJ0340	**Burring / chanfering tool**	3	40		40°	3,00	AlTiN-S	5
SDJ0540		5	40		40°	5,00	AlTiN-S	5
SDJ0640		6	40		40°	6,00	AlTiN-S	5
SDJ0360	Chanfering tool	3	40		60°	3,00	AlTiN-S	5
SDJ0560		5	40		60°	5,00	AlTiN-S	5
SDJ0660		6	40		60°	6,00	AlTiN-S	5
SDJ0390	**Double-edge cutter for getting 45° chanfer**	**3**	**40**		**90°**	**3,00**	**AlTiN-S**	**2**
SDJ0590		5	40		90°	5,00	AlTiN-S	2

Cutter / milling tools for cutting pockets on steel plates up to 52 HRC hardness (To create a gap in which the patrice embossing tools and/or the reverse scoring knifes can be placed. Usually with a depth of recess of 0.40 - 0.55 mm)



Art.#	Description	D0	L0	L1	W1	D1 Head-Ø	Material	MOQ
SDB0001	Cutter / milling tool with 5 edges	6	50	13		5,00	TC+ AlTiNCrN	1
	Very efficient way to cut pockets							
SDB0002	**Cutter / milling tool with 5 edges**	**6**	**50**	**13**		**6,00**	**TC+ AlTiNCrN**	**1**
	A tool which allow to mill on steps of 0.15 mm							
SDB0004	Cutter with 4 edges	6	50	5		3,00	TC+ AlTiCrN	2

Tools fro engraving embossing tools made of brass, aluminium or plastic (even Pertinax)

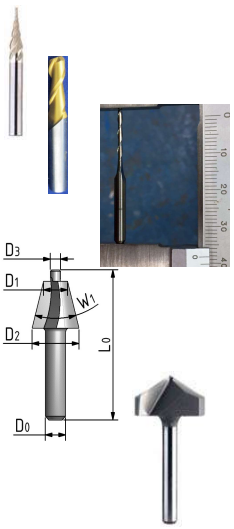


Art.#	Description	D0	L0	L1	W1	D1 Ø	Material	MOQ
SID0001	Engraving tools	3	38		25°	0,10	TC	5
SID0002		3	38		25°	0,20	TC	5
SID0003		3	38		25°	0,30	TC	5
SID0004		3	38		25°	0,40	TC	5
SID0005		3	38		25°	0,50	TC	5
SIE0004		3	38		15°	0,40	TC	5
SIE0011		3	38		15°	1,10	TC	5
SIF0030		3	38		15°	3,00	TC	5
		3	38			radial, R:1,5 mm	TC	5
SID0010	Milling of BRAILLE-male tool	3	40		R:1,5	0,70	AlCrN	2
	This tool allows to mill the male of a Braille embossing tool							
	made of brass, Pertinax or softinax (POM)							
SID0011	Milling of BRAILLE-female tool	3	38		R:1,75	1,50	AlCrN	2
	This tool allows to mill the female of a Braille embossing tool							
	made of brass, aluminium, Pertinax or softinax (POM)							

Milling Tools / Cutters for counters made of Pertinax and Steel, for engraving brass or aluminum, for cutting plywood with the router

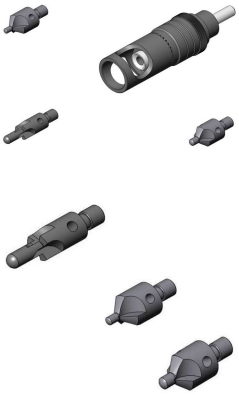
appel

All jobs on CNC-milling machines and routers for working on plywood, like making kerves, chanfering of stripping tools or wood- working on blanking tools



Art.#	Description	D_0	L_0	L_1	W_1	D_1 ø	Material	MOQ
SIA0015	Kerf-cutter for plywood of 4-6 mm	3,15	38			1.5 Pkt. / 0.45 mm	TC	5
SIA0001	Kerf-cutter for plywood of 4-6 mm	3,15	38			2 Pkt. / 0.71 mm	TC	10
SIA0002	Kerf-cutter for plywood of 7.5 - 8 mm	3,15	38			3 Pkt. / 1,05 mm	TC	5
SIA0003	Kerf-cutter for plywood of 7.5 - 8 mm	3,15	38			4 Pkt. / 1,42 mm	TC	5
SFA0010	Cut-out of plywood (contour-cutter)		38				TC + TiNit	5
SIB0004	Cutter for rotary shells (1/2" or 12.7 mm)		38			4 Pkt. / 1,42 mm	TC	10
SFA0001	To chanfer the lower part of the lower stripping tool mit hand	6	40	12,5	30°	D2: 14,0	TC	1
SFA0002	machine or even with CNC-router	8	40	12,5	30°	D2: 14,0	TC	1
SFA0004	Chanfering of the upper side of the lower stripping tool	6,3	45	14	140°	30,00	TC	1

Wood-working on blanking tools)BSI-System(



LKJ0090	Set of tools BSI #A030001 (4 pcs.)							Set
LKJ0093	Cutter 3 mm BSI #00009							1
LKJ0094	Cutter 4 mm BSI #00008							1
LKJ0095	Cutter 5 mm BSI #00001							1