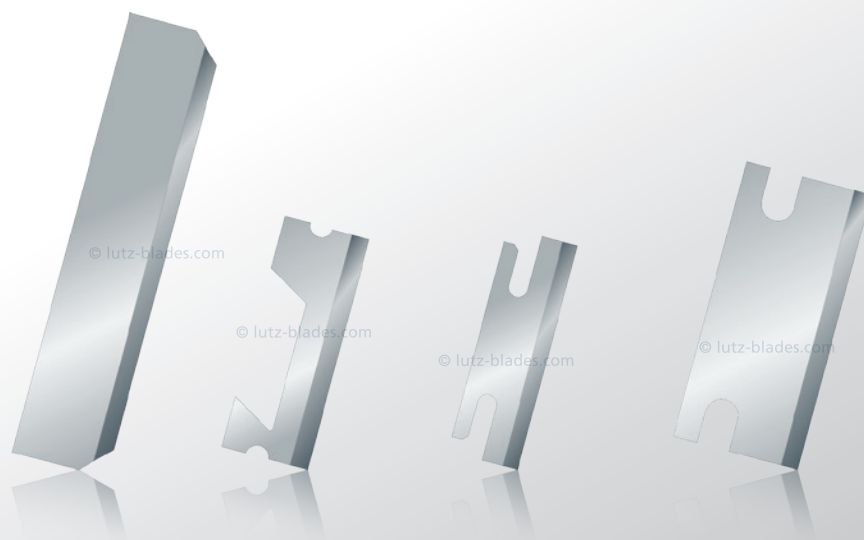




PRECISE AND FAST – BOOST YOUR PRODUCTIVITY WITH FIBRE CUTTERS FROM LUTZ BLADES



PRECISION. SHARPNESS. SUCCESS.
exactly

CUSTOM BLADES

FILM AND FOIL

CHEMICAL FIBRES AND FIBREGLASS

MEDICAL

FOOD

DIY

AUTOMOTIVE

TEXTILES

Reasons why you need LUTZ BLADES:



PRECISION.

Our maxim is precision – and it is this principle that accompanies every stage from the initial idea to the finished product. Right through to the ideal solution for your specific cutting application to ensure your requirements are met. Throughout every design and development stage and every production step – blade after blade after blade.



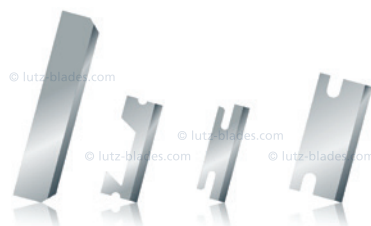
SHARPNESS.

We have been making blades and cutters since 1922. From razor-sharp, for extremely fine cutting jobs to extremely robust for impact and pressure cutting actions. Together with the customer, we define all the relevant parameters to ensure your individual requirements are met – to provide greater sharpness and better service lifetimes.

SUCCESS.

exactly

Your competitive advantage when you use products from LUTZ BLADES for cutting synthetic fibres and fibreglass is the sum of all our efforts and the details we guarantee you. We are pleased to show you those details because your success is our objective – from the first to the millionth blade.



AND THIS IS HOW YOU CAN BENEFIT FROM CHEMICAL FIBRE BLADES BY LUTZ BLADES

- » Controlled length of fibre and no unravelling
- » Longer machine up-times thanks to fewer blade changes
- » Higher productivity
- » Adaptation of the blade to match your specific process requirements



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Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	405.6	18.8	0.88		74.5	15.5	0.88		74.6	15.6	0.88
3196.0884				5004.0884				5001.0884	90.0		
								5009.0884	85.0		
								5014.0884	107.0		
								5015.0884	96.0	15.7	
								5020.0884	80.0	15.6	
					48.0	7.9	0.88		100.0	15.6	0.88
				5040.0884							
				5056.0884	64.0						
					95.0	19.0	0.89		26.0	4.9	0.88
				5051.0884							
					32.2	12.1	0.88				
				5035.0884							
					70.0	10.0	0.88		25.6	8.0	0.40
				5130.0884							
					16.0	8.0	0.48		117.6	15.6	0.88
				7502.0480				5010.0884			
					190.0	15.7	0.88				
				5013.0884							
					41.3	18.8	0.88		117.5	15.6	0.88
				5120.0884				5055.0884			
					95.0	10.0	0.88		120.0	8.0	0.70
				5134.0884				5136.0700			
								5135.0700	144.0		

LUTZ BLADES – THE PREFERRED CHOICE FOR CUTTING FIBREGLASS

Cutting fibreglass requires blades that are of high quality and efficiency.

This applies to chopping strands, rovings and composite materials as well.

Benefits of fibreglass blades by LUTZ BLADES:

- » Outstanding, consistent quality for uniform cut lengths

- » Avoid rust and contamination from fibreglass
- » Adaptation of the blades to match your process requirements (e.g. wet or dry cutting, different kinds of fibreglass)







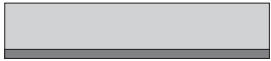

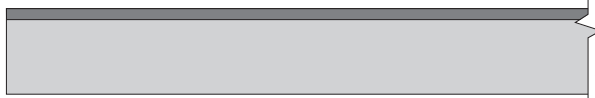
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Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)
											
3242.0254	25.4	7.9	0.25	3146.0250	120.5	8.0	0.25	5030.0884	54.0	15.6	0.88
				3146.0500			0.50				
2993.0300	endless	8.1	0.30	3145.0250	400.0		0.25	5029.0884	74.6	15.6	0.88
3009.0300	endless	8.0	0.30	3144.0300	190.0		0.30	5031.0884	87.0		
				3210.0250	100.0	8.3	0.25				
3201.0884	155.0	15.8	0.88	3252.0300	1760.0		0.30				
3188.0870	232.0		0.87					3240.0254	22.2	7.9	0.25
								5034.0900	52.0	19.0	0.90
3220.0630	152.4	18.8	0.63								
3208.0884	155.0		0.88								
3211.0381	235.7	18.9	0.38								
3198.0400	300.0	18.0	0.40								
											
3195.0300	200.0	19.0	0.30								
											
3172.0254	225.0	17.8	0.25								
3194.0254	238.0		0.25								
											
3207.0300	300.0	20.0	0.30								
3206.0700	1371.6	22.2	0.70								

FIBRE BLADES BY LUTZ BLADES HAVE THE FOLLOWING CHARACTERISTICS

- » Broad range of materials
- » Adhere to difficult tolerance standards
- » Meet optimum hardness requirements
- » Selected high performance coatings available



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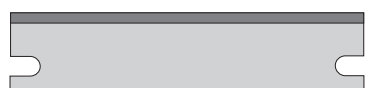
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Ref.	Length (mm)	Width (mm)	Thickn. (mm)
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5123.0884	97.5	18.8	0.88
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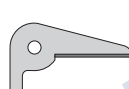
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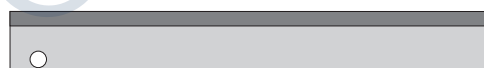
5093.0884	63.0	10.0	0.88
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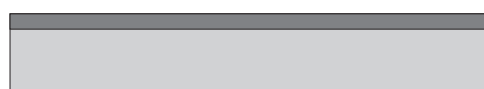
9520.0880	39.7	14.4	0.88
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9525.1250	30.0	18.0	1.25
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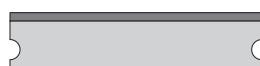
5140.1400	135.0	18.5	1.40
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5033.0884	140.0	19.0	0.88
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5032.0884	320.0		
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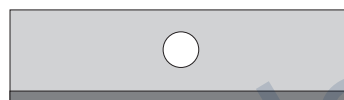
Ref.	Length (mm)	Width (mm)	Thickn. (mm)
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5050.0884	75.0	19.0	0.88
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5060.0884	95.0		
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5070.0884	140.0		
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5091.0884	69.8	19.0	0.88
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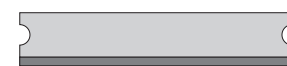
5063.0914	114.3	18.8	0.91
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5080.0884	190.0		
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5076.0884	120.0	19.0	0.88
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Ref.	Length (mm)	Width (mm)	Thickn. (mm)
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5052.0884	80.0	15.6	0.88
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5082.0700	32.2	12.0	0.70
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5097.0884	20.0	19.0	0.88
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LUTZ BLADES – THE PREFERRED CHOICE FOR CUTTING CHEMICAL FIBRES

Whether staple fibres, filaments or web, manufacturing chemical fibres is a high-performance process. Excellent blades can have a decisive influence on the efficiency of the process and the quality of the product.

Blades by LUTZ BLADES take into account varying diameters and are made to deal with treatments and heavy impacts from thicker sections.



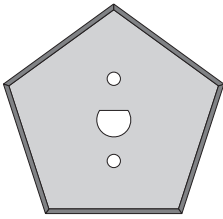
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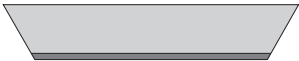
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

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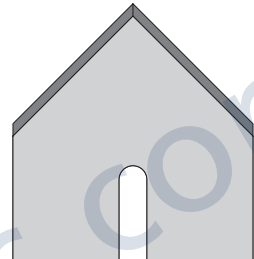
Ref.	Length (mm)	Width (mm)	Thickn. (mm)
			
2650.0530	40.9	63.0	0.53

			
3130.0650	86.4	16.0	0.65
3130.0884			0.88
3215.0630			0.63
3135.0900	80.0	18.9	0.90

			
3181.0884	196.0	12.5	0.88
3250.0300	126.0	8.0	0.30
3182.0870	352.0	15.7	0.87
3177.0884	124.5	15.6	0.88
3175.0884	155.0		
3183.0884	195.0	15.8	
3180.0870	248.0		0.87

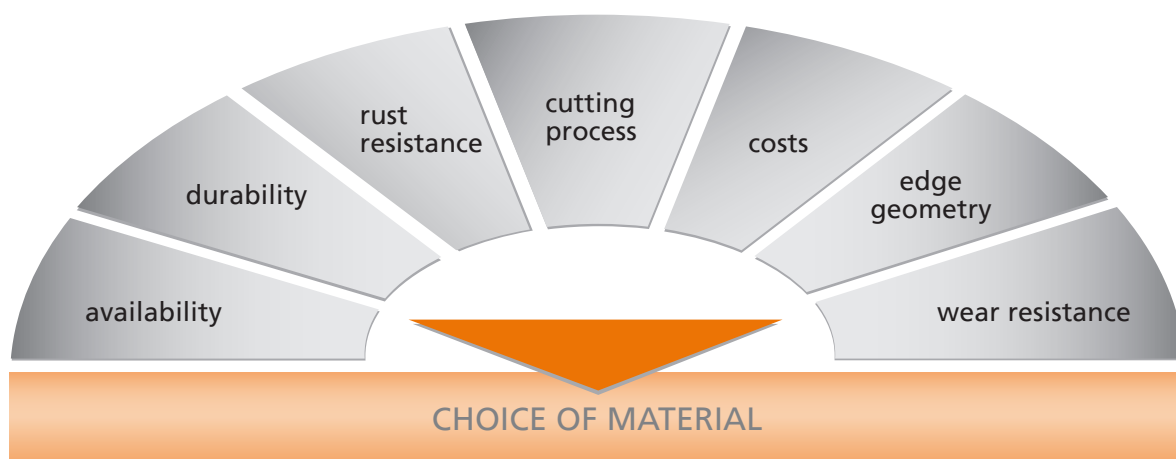
Ref.	Length (mm)	Width (mm)	Thickn. (mm)
			
9521.1800	26.0	15.0	1.80
			
9810.0650	23.0	15.55	0.65

			
3136.0900	60.0	19.0	0.90

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
			
9580.1200	60.0	64.0	1.20

CHOICE OF MATERIAL

Our range of products covers blades of between 0.06 and 3.0 mm in thickness and with final hardness ratings of 40 - 85 HRC.



Our range of materials includes:

- » Carbon steels
- » Stainless and rust-resistant steels
- » Highspeed steels (HSS)
- » Tool steels
- » Tungsten carbides
- » Ceramics

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CUTTING EDGE SHAPES

For the definition of edge type and bevel configuration see the following matrix:







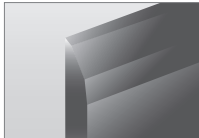
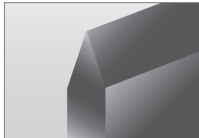





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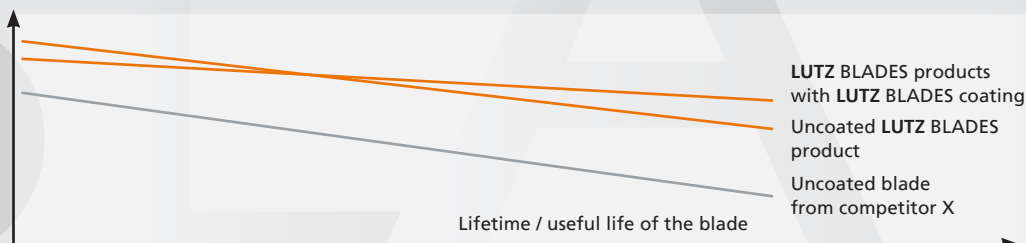
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		single edged	double edged	convex	concave
one sided					
		a	g	m	t
		b	h	n	u
two sided		c	i	o	v
		d	j	p	w
		e	k	r	x
		f	l	s	y

COATINGS

Sharpness
Quality of the cut



The LUTZ BLADES coatings range includes the following choices:

TiN

Standard hard coating with tough resistance to wear with a relatively high coefficient of friction (compared with steel as a reference material: 0.4 to 0.7), usually gold coloured, safe use at up to approx. 300 °C.

TiC

Has lower resistance to wear than TiN and a considerably lower coefficient of friction (compared with steel as a reference material: 0.3 to 0.5), usually charcoal grey.

TiCN

Takes a position between the high wear resistance of TiN and the low coefficient of friction of TiC, relative position between TiN and TiC depending on C and N content, usually charcoal grey.

TiAlN

Has greater resistance to oxidation than TiN with a comparable coefficient of friction, usually charcoal grey.

ZrN

With wear resistance similar to TiN, but with a more dense morphology than TiN and, as a result, more resistant to pitting under comparable load, usually steel colour.

CrN

Lower wear resistance than TiN. The advantage of CrN is it has a lower inherent tension than TiN. As a result, can be used for applications with high bending loads.

DLC

Has a high wear resistance and a low coefficient of friction (approx. 0.4 compared with steel as a reference); sensitive to impacts and high temperatures (between 100° and 300 °C depending on structure).

Teflon® (PTFE)

Non-stick coating Teflon® (PTFE), very low static friction allows a smooth cut, therefore a popular coating for medical devices. Because of the low surface tension almost no contamination from the cut goods. Acid and base-resistant, not suitable in combination with Na (sodium). Temperature resistant up to 250°C (480°F). Medium wear resistance.

Coloured lacquer

Applied to entire surface, acts as an aid to sorting different material thicknesses and as anticorrosion protection.

Blueing and blackening

Applied to entire surface, some anticorrosion protection and thickness protection, also aids differentiation.

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