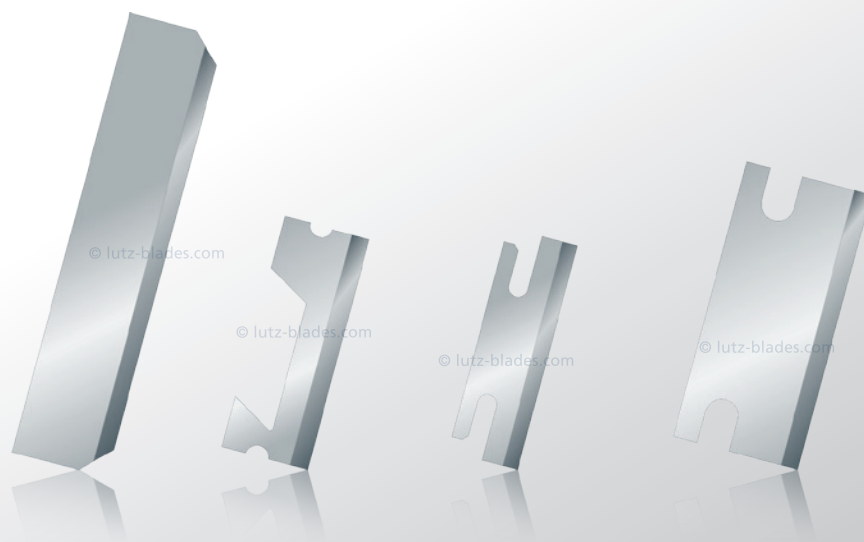




## PRECISE AND FAST – BOOST YOUR PRODUCTIVITY WITH FIBRE CUTTERS FROM LUTZ



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.

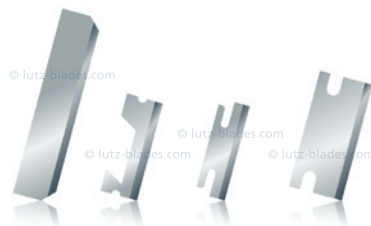


### SHARPNESS.

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 blades from LUTZ 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 LUTZ CHEMICAL FIBRE 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



CUSTOM BLADES | FILM AND FOIL | CHEMICAL FIBRES AND FIBREGLASS | MEDICAL | FOOD | DIY | AUTOMOTIVE | TEXTILES

LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademark symbols LUTZ, which are subject to a trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

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		
	95.0	19.0	0.89		64.0		0.88	5009.0884	95.0		
5051.0884				5056.0884				5014.0884	107.0		
	70.0	10.0	0.88		32.2	12.1	0.88	5015.0884	96.0	15.7	
5130.0884				5035.0884				5020.0884	80.0	15.6	
	190.0	15.7	0.88		16.0	8.0	0.48		100.0	15.6	0.88
5013.0884				7502.0480				5151.0884	26.0	4.9	0.88
	41.3	18.8	0.88		117.5	15.6	0.88		25.6	8.0	0.40
5120.0884				5055.0884					117.6	15.6	0.88
	95.0	10.0	0.88		120.0	8.0	0.70				
5134.0884				5136.0700							
					144.0						
				5135.0700							

**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 LUTZ fibreglass 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)









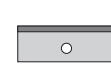

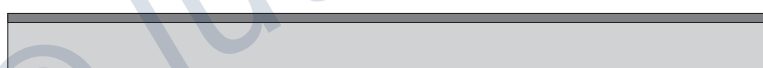


CUSTOM BLADES | FILM AND FOIL | CHEMICAL FIBRES AND FIBREGLASS | MEDICAL | FOOD | DIY | AUTOMOTIVE | TEXTILES

LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademarks of LUTZ, which are subject to the provisions of trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

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				
				3145.0250	400.0		0.25				
				3144.0300	190.0		0.30	5029.0884	74.6	15.6	0.88
2993.0300	endless	8.1	0.30	3210.0250	100.0	8.3	0.25	5031.0884	87.0		
3009.0300	endless	8.0	0.30	3252.0300	1760.0		0.30				
											
3201.0884	155.0	15.8	0.88					3240.0254	22.2	7.9	0.25
3188.0870	232.0		0.87					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								

LUTZ FIBRE BLADES HAVE THE FOLLOWING CHARACTERISTICS

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



CUSTOM BLADES | FILM AND FOIL | CHEMICAL FIBRES AND FIBREGLASS | MEDICAL | FOOD | DIY | AUTOMOTIVE | TEXTILES

LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademark symbols LUTZ, which are the subject of trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
<b>5123.0884</b>	97.5	18.8	0.88

<b>5036.0884</b>	64.4	12.1	0.88
------------------	------	------	------

<b>5093.0884</b>	63.0	10.0	0.88
------------------	------	------	------

<b>9520.0880</b>	39.7	14.4	0.88
------------------	------	------	------

<b>9525.1250</b>	30.0	18.0	1.25
------------------	------	------	------

<b>5140.1400</b>	135.0	18.5	1.40
------------------	-------	------	------

<b>5033.0884</b>	140.0	19.0	0.88
<b>5032.0884</b>	320.0		

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
<b>5050.0884</b>	75.0	19.0	0.88
<b>5060.0884</b>	95.0		
<b>5070.0884</b>	140.0		

<b>5091.0884</b>	69.8	19.0	0.88
------------------	------	------	------

<b>5063.0914</b>	114.3	18.8	0.91
<b>5080.0884</b>	190.0		

<b>5076.0884</b>	120.0	19.0	0.88
------------------	-------	------	------

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
<b>5052.0884</b>	80.0	15.6	0.88

<b>5082.0700</b>	32.2	12.0	0.70
------------------	------	------	------

<b>5097.0884</b>	20.0	19.0	0.88
------------------	------	------	------



**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.

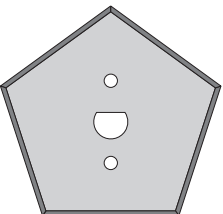

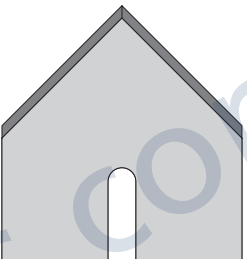
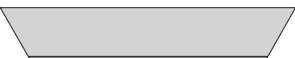

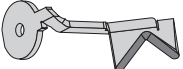


LUTZ blades take into account varying diameters and are made to deal with treatments and heavy impacts from thicker sections.



CUSTOM BLADES | FILM AND FOIL | CHEMICAL FIBRES AND FIBREGLASS | MEDICAL | FOOD | DIY | AUTOMOTIVE | TEXTILES

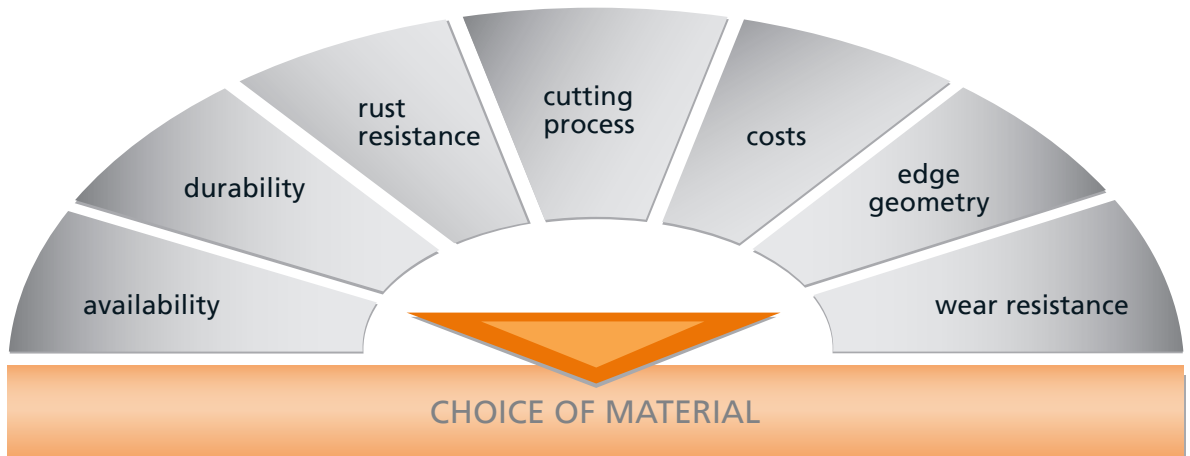
LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights. This applies in particular to the internationally registered trademark symbols LUTZ, which are subject to trademark law regarding its trademarks. E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at www.lutz-blades.com.

Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	41.4	63.8	0.53		26.0	15.0	1.80		60.0	64.0	1.20
2650.0530				9521.1800				9580.1200			
	86.4	16.0	0.65		23.0	15.55	0.65		20.2	15.5	1.00
3130.0650				9810.0650				9555.1000			
3130.0884			0.88		60.0	19.0	0.90				
3215.0630			0.63								
3135.0900	80.0	18.9	0.90								
	196.0	12.5	0.88								
3181.0884											
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								

## 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

LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademarks of LUTZ, which are subject to conditions of use. LUTZ will pursue all violations against trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

**CUTTING EDGE SHAPES**

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



LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

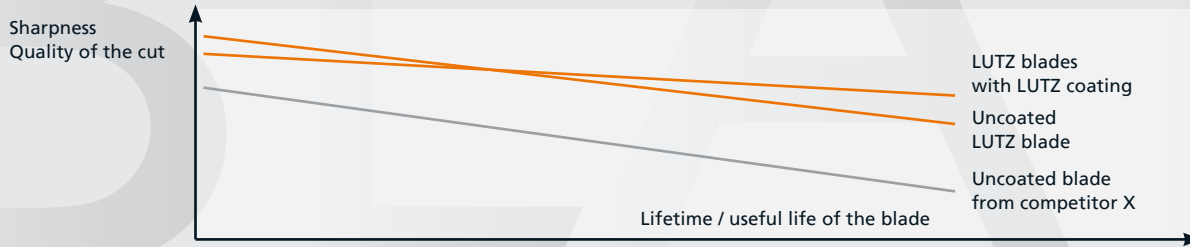
Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademarks, which LUTZ will pursue all its claims against trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

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



**COATINGS**



LUTZ allows access to all its website content for viewing purposes. Copying and reproducing content (copy, images etc.) for anything more than transient use is not permitted. This content may not be modified or used on other websites or networked computers without prior written approval by LUTZ GmbH & Co. KG.

Copyright: © COPYRIGHT LUTZ GmbH & Co. KG, Solingen, Germany. All rights reserved. Copy, photos, graphics, technical drawings, layouts and other information used in all our publications and their arrangements on our LUTZ website are subject to copyright and other proprietary rights.

Proprietary rights: The owner of the brandnames used by LUTZ is LUTZ GmbH & Co. KG, Solingen, Germany (unless otherwise stated). Third Parties are explicitly prohibited from using any of the brandnames, logos or marks of any kind found there. This applies in particular to the internationally registered trademark symbols LUTZ, exactly, which consist of the letters LUTZ, exactly, in all variations against trademark law regarding its trademarks.

E & OE. Brandnames marked with an asterisk (\*) are not owned by LUTZ GmbH & Co. KG. Subject to our general terms & conditions on the Internet at [www.lutz-blades.com](http://www.lutz-blades.com).

The LUTZ 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.