



FRANKLIN SILENCERS LTD

# Laser Cut Tubular Products

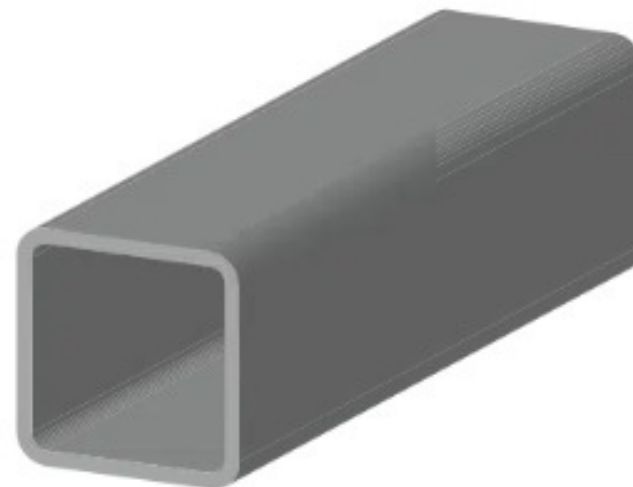




## TUBE LASER CAPABILITY

Round Tube	
Minimum	Maximum
Ø16mm	Ø208mm
Maximum Wall Thickness - 3mm	
Maximum Part Length - 3000mm	

Rectangular / Square Sections	
Minimum	Maximum
16mm	152mm
Maximum Wall Thickness - 3mm	
Maximum Part Length - 3000mm	



Mild Steel / Aluminised Steel / Stainless Steel / Aluminium

Other sections can be cut on request. Please contact us to discuss specific requirements.





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## ORDERING LASER CUT TUBULAR PRODUCTS

Ideally we will require a 3D CAD file which we can directly import into the CAM software, this eliminates possible errors in redrawing parts whilst also speeding up the entire process. Preferred file format would be an .iges, however we can handle any file type and convert if necessary. Please also supply dimensional drawing to allow for process inspection during cutting.

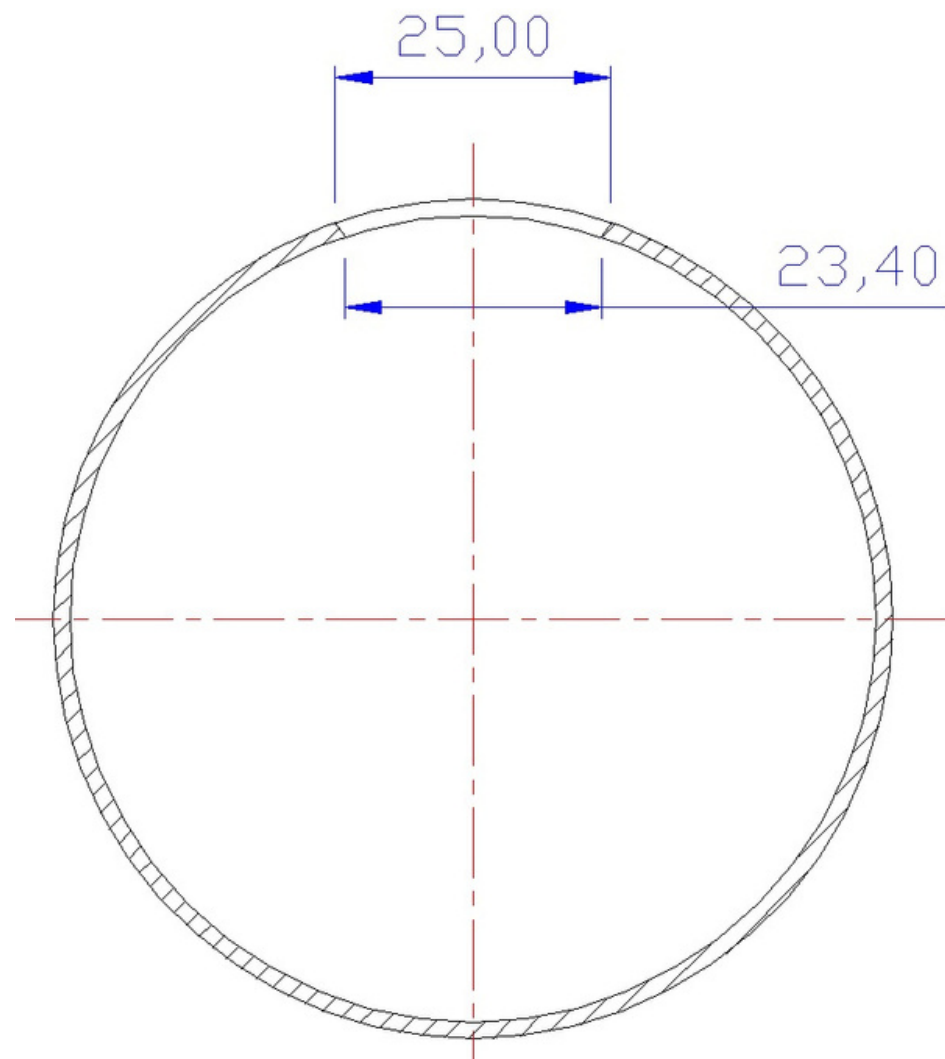
- Please indicate all instructions in writing eg. hole type, etching ect.
- If part requires holes please specify which type of hole is required. Either XA or XY. As default the laser will cut XA type. If XY hole type is required the diameter cannot be larger than 1/3 of the tube diameter. Scroll to see examples.
- Our laser has a fixed 2D head, this means all cut surfaces are perpendicular to the tube's longitudinal axis. Mitre cuts will have a "snub nose" and scalloped cuts will loose the sharp points. Scroll to see examples.
- A material length of 6000mm can be accommodated with a usable length of 5880, due to 120mm clamp allowance. Maximum finished part can be no greater than 3000mm.
- Our laser machine operation is automated, although we do our utmost we cannot guarantee a scratch free surface.



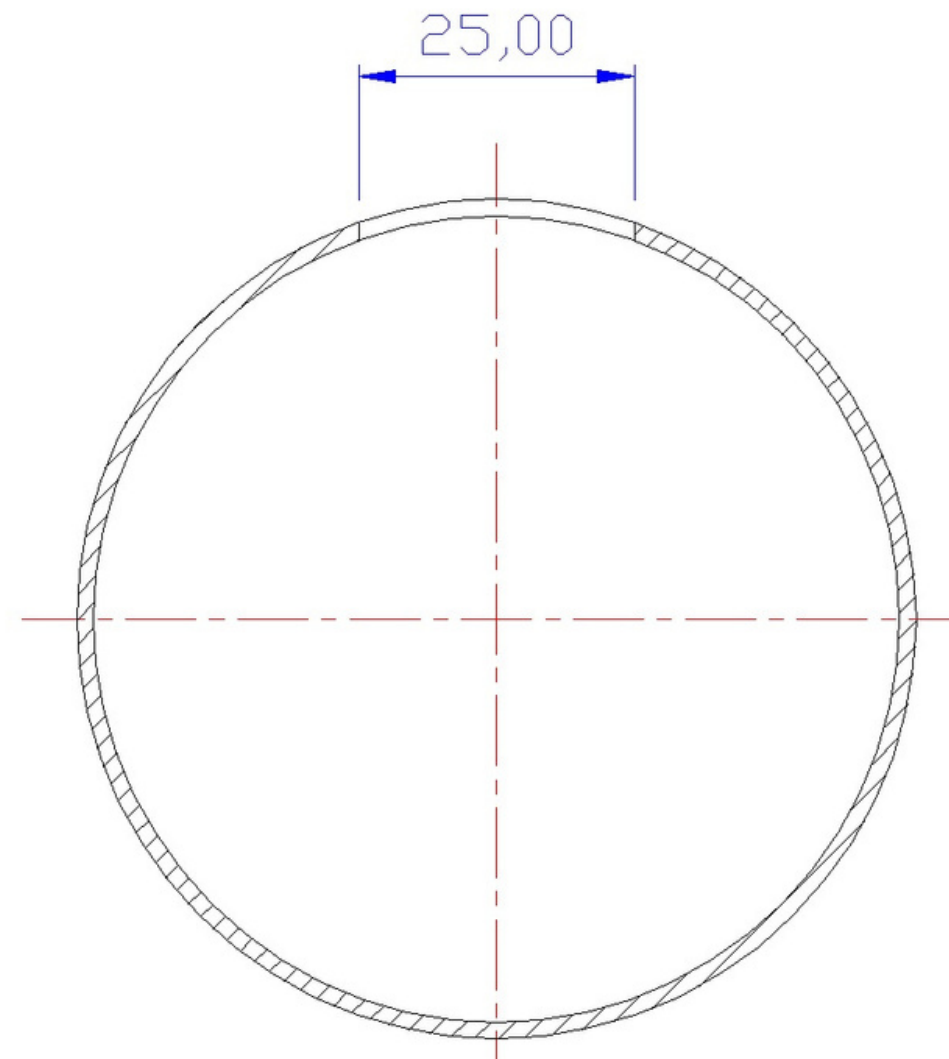


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## HOLE TYPE EXPLANATION



XA HOLE  
(STANDARD)



XY HOLE  
(OPTION)

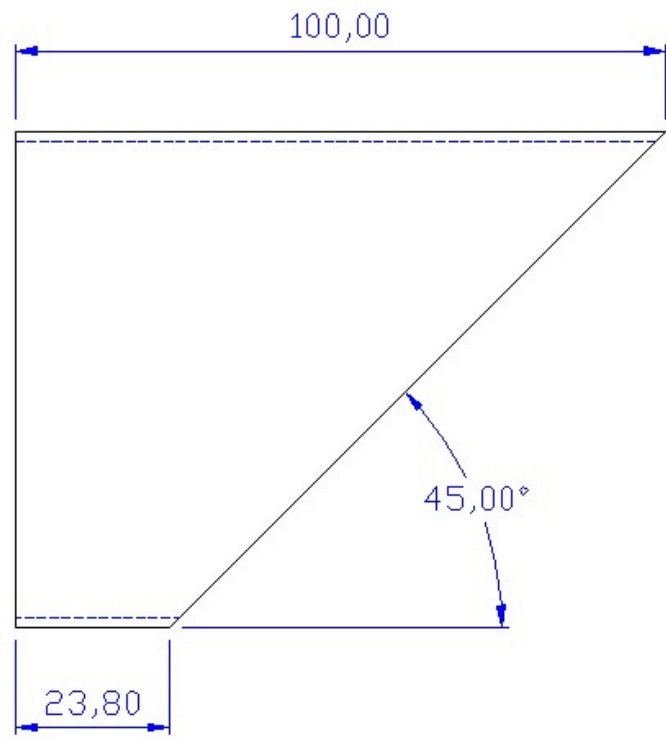
The laser default is XA. If a XY type hole is required then the diameter cannot be larger than 1/3 of the tube diameter.



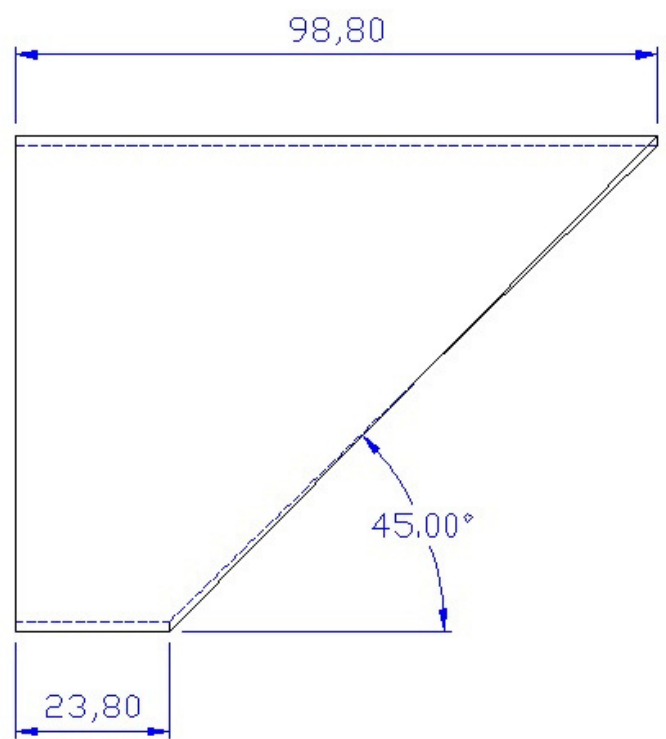




# MITRE CUT



THEORETICAL



CUT PART



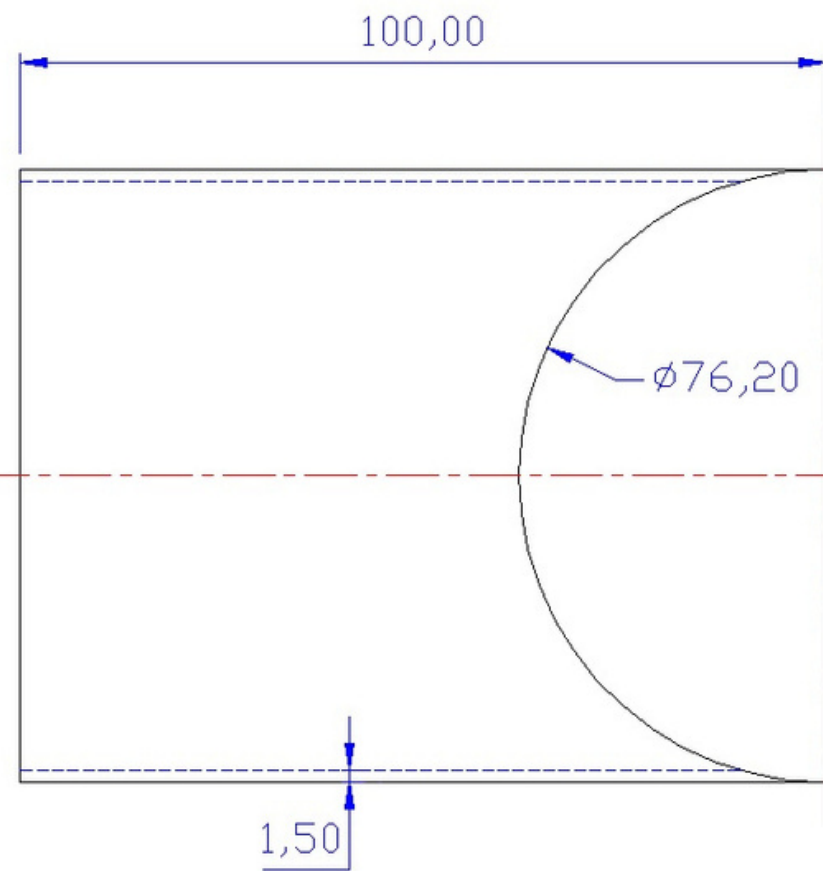
FINAL MITRE JOINT



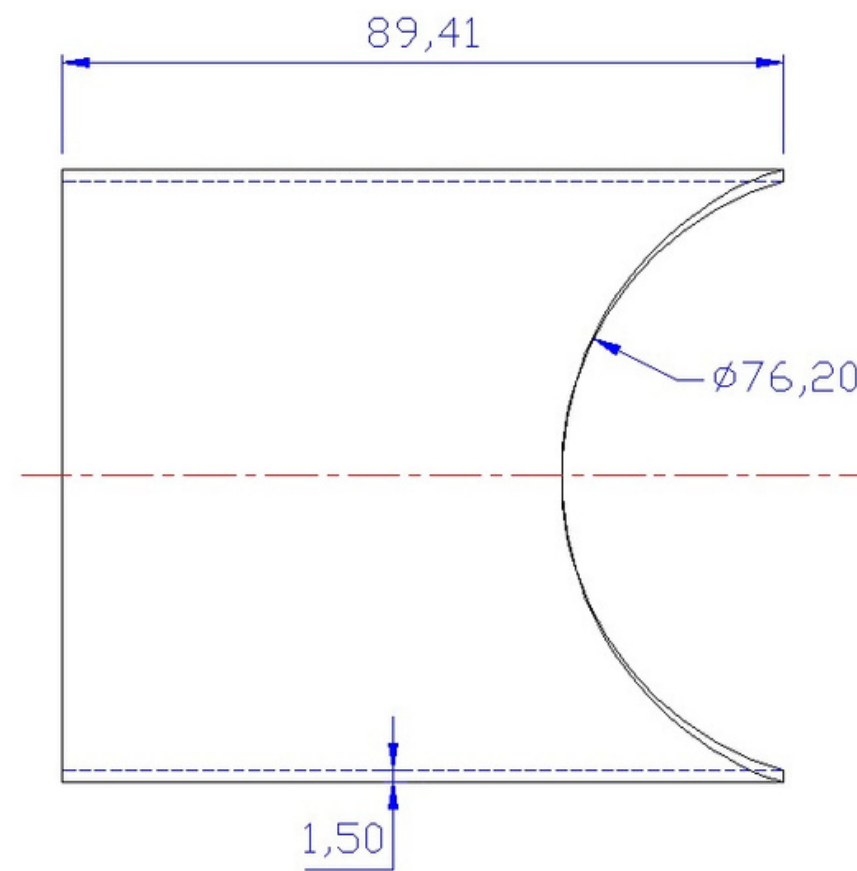


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## SCALLOPED CUT



THEORETICAL



CUT PART



Given our tube laser has a fixed 2D head, a scalloped cut will loose the sharp edges.



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## Contact us

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