

# ERW Tube

## Product & Processing



# ERW Tube Stock Range

Kloeckner Metals UK stock a full range of high quality precision welded tubes (ERW). We can offer you over 2Kt of stock ready for sale in standard lengths or processed at our national tube centre in Dudley.

■ Stock Available
● No Stock Available

Round Tube		0.9	1	1.2	1.5	2	2.5	3.2	3.6
mm inches									
Diameter	12.7 1/2"	●	■	■	■	●	●	●	●
	15.88 5/8"	■	●	■	■	■	●	●	●
	19.05 3/4"	●	■	■	■	■	●	●	●
	20	●	●	●	■	■	●	●	●
	22.2 7/8"	●	●	■	■	■	■	●	●
	25	●	●	●	■	■	●	●	●
	25.4 1"	■	●	■	■	■	■	■	●
	28.58 1 1/8"	●	●	■	■	■	●	●	●
	30	●	●	●	■	■	●	●	●
	31.75 1 1/4"	●	●	■	■	■	■	■	●
	34.9 1 3/8"	●	●	■	■	●	●	●	●
	35	●	●	●	●	■	●	●	●
	38.1 1 1/2"	●	●	■	■	■	■	■	●
	40	●	●	●	■	●	●	●	●
	41.28 1 5/8"	●	●	■	■	●	●	●	●
	44.45 1 3/4"	●	●	■	■	■	●	■	●
	50	●	●	●	■	■	●	●	●
	50.8 2"	●	●	■	■	■	●	■	●
	57.15 2 1/4"	●	●	●	■	●	●	●	●
	60	●	●	●	●	■	●	●	●
	63.5 2 1/2"	●	●	●	■	■	●	■	●
	70	●	●	●	■	●	●	●	●
	76.1 3"	●	●	●	■	■	●	■	●
	101.6 4"	●	●	●	■	●	●	●	■
	127 5"	●	●	●	●	●	●	■	●

Square		1.2	1.5	2	2.5
mm inches					
Diameter	12.7 x 12.7 1/2" x 1/2"	■	■	●	●
	15.8 x 15.8 5/8" x 5/8"	■	■	●	●
	18 x 18	●	■	●	●
	19.05 x 19.05 3/4" x 3/4"	■	■	■	●
	20 x 20	●	■	■	●
	22.2 x 22.2 7/8" x 7/8"	■	■	■	●
	25 x 25	■	■	■	●
	25.4 x 25.4 1" x 1"	■	■	■	■
	28.6 x 28.6 1 1/8" x 1 1/8"	■	■	●	●
	30 x 30	■	■	■	■
	31.7 x 31.7 1 1/4" x 1 1/4"	■	■	■	●
	35 x 35	●	●	■	●
	38.1 x 38.1 1 1/2" x 1 1/2"	■	■	■	●
	40 x 40	●	■	■	■
	50 x 50	●	■	■	●
	50.8 x 50.8 2" x 2"	●	■	■	●
	60 x 60	●	●	■	●
	70 x 70	●	●	■	●
	80 x 80	●	●	■	●
	100 x 100	●	●	■	●



Rectangular		1.2	1.5	2	2.5
mm	inches				
Diameter	20 x 10	●	■	●	●
	25 x 10	●	■	●	●
	25 x 15	●	■	●	●
	25.4 x 12.7 1" x 1/2"	■	■	●	●
	30 x 10	●	■	●	●
	30 x 15	●	■	■	●
	30 x 20	●	■	■	●
	34.9 x 15.8 1 3/8" x 5/8"	■	■	●	●
	38.1 x 19.05 1 1/2" x 3/4"	■	■	■	●
	40 x 10	●	■	●	●
	40 x 20	■	■	■	●
	40 x 25	●	■	■	●
	50 x 20	●	●	■	●
	50 x 25	●	■	■	●
	50 x 30	●	■	■	●
	50.8 x 25.4 2" x 1"	■	■	■	●
	60 x 20	■	■	●	●
	60 x 30	■	■	■	●
	60 x 40	■	■	●	●
	70 x 30	●	■	●	●
	75 x 25	●	■	●	●
	80 x 40	●	●	■	●
	100 x 30	●	●	■	●
	100 x 40	●	●	■	●
	100 x 50	●	●	■	●



Flat Sided Oval		1.2	1.5	2	2.5
mm	inches				
25 x 12		●	■	●	●
30 x 15		●	■	■	●
31.75 x 15.8 1 1/4" x 5/8"		●	■	●	●
40 x 20		●	■	■	●
50 x 25		●	■	■	●
60 x 30		●	■	■	●

## Products

### Types

Flat sided Oval Tubes  
Rectangular Tube  
Round Tube  
Square Tube

### Finishes

Cold Reduced  
Hot Rolled Pickled & Oiled  
Pre Galvanised Tubes  
Coated product available upon request

# ERW Tube Stock Range

## KG/M

Round Tube - EN 10305-3



Diameter

Round Tube		0.9	1	1.2	1.5	2	2.5	2.64	3	3.2	3.6
mm	inches										
10		0.202	0.222	0.260							
12.7	1/2"	0.262	0.288	0.340	0.414						
13		0.269	0.296	0.349	0.425						
14		0.291	0.321	0.379	0.462	0.592					
15		0.313	0.345	0.408	0.499	0.641					
15.88	5/8"	0.331	0.365	0.432	0.529	0.681					
16		0.335	0.370	0.438	0.536	0.690					
18		0.379	0.419	0.597	0.610	0.789					
19		0.402	0.444	0.527	0.647	0.839	1.017				
19.05	3/4"	0.403	0.445	0.528	0.649	0.841	1.020				
20		0.424	0.468	0.556	0.684	0.888	1.079				
22		0.468	0.518	0.615	0.758	0.986	1.202				
22.2	7/8"	0.473	0.523	0.622	0.766	0.997	1.216	1.275			
25		0.535	0.592	0.704	0.869	1.134	1.387	1.490	1.627		
25.4	1"	0.544	0.602	0.716	0.884	1.154	1.412	1.484	1.657	1.754	
26.2		0.561	0.621	0.740	0.914	1.193	1.461	1.536	1.716	1.817	
26.9		0.577	0.639	0.760	0.939	1.228	1.504	1.581	1.768	1.873	
28.58	1 1/8"	0.614	0.680	0.810	1.001	1.310	1.607		1.893		
30		0.646	0.715	0.852	1.054	1.381	1.695	1.730	1.997		
31.75	1 1/4"	0.685	0.758	0.904	1.119	1.467	1.803	1.898	2.127	2.256	
32		0.690	0.764	0.911	1.128	1.479	1.818	1.914	2.145	2.276	
34.9	1 3/8"	0.755	0.837	0.998	1.236	1.624	1.999		2.362		
35		0.757	0.838	1.000	1.239	1.627	2.003	2.150	2.367		
38.1	1 1/2"	0.826	0.915	1.092	1.354	1.780	2.194	2.311	2.596	2.758	
40		0.868	0.962	1.148	1.424	1.874	2.312	2.480	2.737		
41.28	1 5/8"	0.897	0.994	1.186	1.472	1.938	2.392		2.833		
44.45	1 3/4"	1.280	1.590	2.096	2.589	2.780	3.070	3.259			
47.6		1.036	1.149	1.373	1.705	2.249	2.780		3.299		
50		1.090	1.208	1.444	1.794	2.367	2.928	3.150	3.477		
50.8	2"	.107	1.228	1.468	1.823	2.406	2.977	3.200	3.536	3.761	
57.15	2 1/4"	1.656	2.059	2.720	3.369		4.006				
60		1.740	2.164	2.860	3.544	3.820	4.216				
63.5	2 1/2"	1.843	2.293	3.033	3.760	4.050	4.475	4.764			
70		2.036	2.533	3.353	4.161	4.480	4.956				
76.1	3"	2.219	2.759	3.654	4.537	4.890	5.407	5.760			
88.9	3 1/2"		3.232	4.285	5.326	5.740	6.354				
101.6	4"		3.700	4.919	6.110	6.590	7.300	7.775	8.711		
127	5"			6.170	7.680	8.280	9.170	9.921			



Diameter

Flat Sided Oval		1.2	1.5	2	2.5
mm	inches				
25 x 12		0.565	0.695	0.927	
30 x 15		0.704	0.869	1.130	
31.75 x 15.8	1 1/4" x 5/8"	0.740	0.914	1.194	
40 x 20		0.941	1.160	1.520	1.880
50 x 25		1.200	1.490	1.970	2.430
60 x 30		1.440	1.790	2.370	2.930

Squares, Rectangles & Other Sections - EN 10305-5



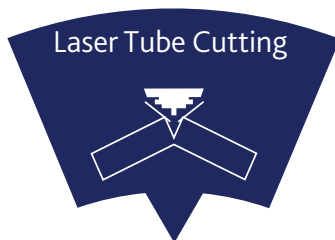
Square		0.9	1	1.2	1.5	2	2.5
mm	inches						
12.7 x 12.7	1/2" x 1/2"	0.332	0.366	0.431	0.524	0.665	
15.8 x 15.8	5/8" x 5/8"	0.422	0.465	0.550	0.673	0.864	
18 x 18		0.482	0.532	0.631	0.773	0.998	
19.05 x 19.05	3/4" x 3/4"	0.512	0.565	0.670	0.823	1.064	
20 x 20		0.538	0.595	0.595	0.868	1.124	1.360
22 x 22		0.595	0.658	0.781	0.962	1.249	1.520
22.2 x 22.2	7/8" x 7/8"	0.601	0.664	0.789	0.971	1.262	1.536
25 x 25		0.680	0.752	0.894	1.103	1.438	1.760
25.4 x 25.4	1" x 1"	0.691	0.764	0.909	1.122	1.463	1.787
28.6 x 28.6	1 1/8" x 1 1/8"	0.764	0.846	1.007	1.244	1.626	1.991
30 x 30		0.821	0.909	1.083	1.339	1.752	2.148
31.7 x 31.7	1 1/4" x 1 1/4"	0.870	0.964	1.149	1.421	1.862	2.286
35 x 35		0.962	1.066	1.271	1.574	2.066	2.541
38.1 x 38.1	1 1/2" x 1 1/2"		1.160	1.388	1.720	2.260	2.784
40 x 40		1.220	1.460	1.810	2.380	2.933	
50 x 50		1.836	2.281	3.008	3.718		
50.8 x 50.8	2" x 2"		1.867	2.318	3.058	3.781	
60 x 60		2.213	2.752	3.636	4.503		
70 x 70		2.590	3.223	4.264	5.288		
80 x 80			3.690	4.890	6.070		
100 x 100					6.150	7.640	

Diameter









Rectangular		0.9	1	1.2	1.5	2	2.5
mm	inches						
20 x 10		0.397	0.438	0.518	0.632	0.810	
25 x 10		0.468	0.516	0.612	0.750	0.967	
25 x 15		0.538	0.595	0.706	0.868	1.124	
25.4 x 12.7	1" x 1/2"	0.512	0.565	0.670	0.823	1.064	
30 x 10		0.538	0.595	0.706	0.868	1.124	
30 x 15		0.614	0.680	0.810	1.002	1.311	1.560
30 x 20		0.68	0.752	0.894	1.103	1.438	1.760
34.9 x 15.8	1 3/8" x 5/8"	0.685	0.758	0.904	1.119	1.467	
38.1 x 19.05	1 1/2" x 3/4"	0.781	0.864	1.029	1.271	1.662	2.040
40 x 10		0.68	0.752	0.894	1.103	1.438	1.760
40 x 20		0.821	0.909	1.083	1.339	1.752	2.148
40 x 25		0.892	0.987	1.177	1.456	1.909	2.344
50 x 20		0.962	1.066	1.271	1.574	2.066	2.541
50 x 25		1.033	1.144	1.365	1.692	2.223	2.737
50 x 30		1.104	1.223	1.460	1.810	2.380	2.933
50.8 x 25.4	2" x 1"	1.163	1.388	1.720	2.260	2.784	
60 x 20		1.223	1.460	1.810	2.380	2.933	
60 x 25		1.301	1.554	1.927	2.537	3.129	
60 x 30		1.380	1.648	2.045	2.694	3.326	
60 x 40		1.836	2.281	3.008	3.718		
63.5 x 38.1	2 1/2" x 1 1/2"			1.867	2.318	3.058	3.781
70 x 30			2.280	3.010	3.720		
75 x 25		1.844	2.294	3.033	3.761		
80 x 40			2.752	3.636	4.503		
100 x 30			2.979	3.950	4.896		
100 x 40			3.220	4.260	5.290		
100 x 50			3.460	4.580	5.680		

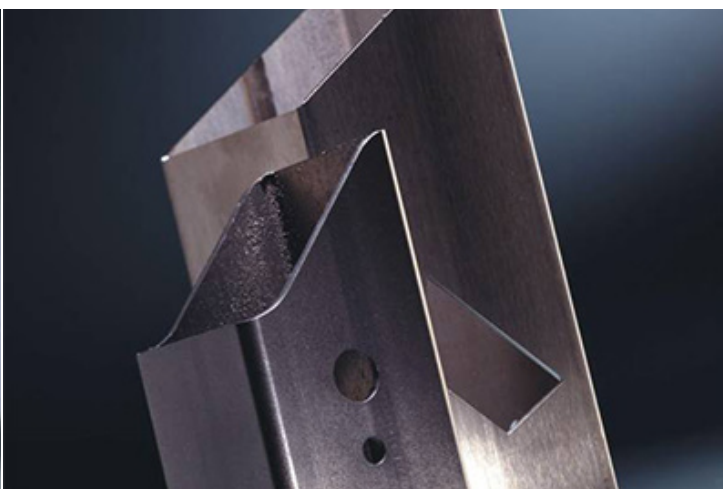
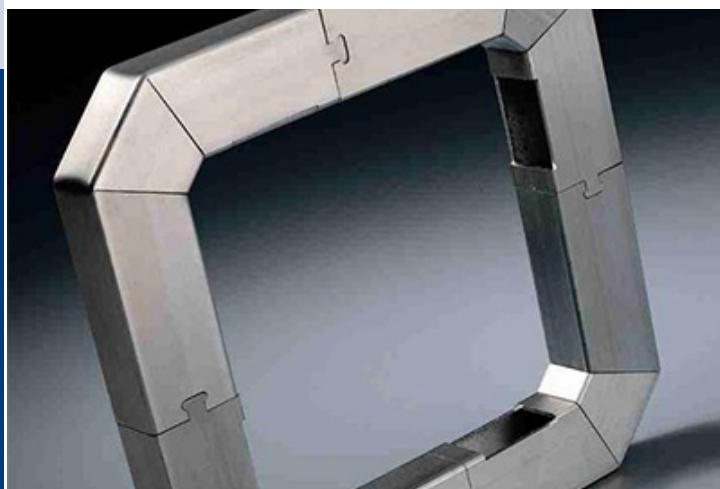
Diameter



We operate 6 Fully automated and CNC controlled tube laser machines, they process Stainless Steel and Mild Steel sections cleanly and consistently. Located at our newly re-furbished National Tube Processing Centre Dudley, in the heart of the Midlands, gives us the ability to deliver throughout the whole of the UK. We have 2 x LT722 and 4 x LT 8 machines The LT8 is a 3D laser pipe cutting machine that excels for the highest flexibility and user-friendliness, as well as for top quality and extremely precise laser cutting, on tube diameters from 12 to 220 mm and a bar weight up to 35 Kg/m. Equipped with a tilting head, it allows 3D cutting on all sections (open and special profiles included). Due to an efficient automatic loading system combined to a unique and ingenious unload, the productivity of the LT8 has no comparisons in its range. The automatic nesting software combined with the reduced end bar scrap, helps still better to exploit the available material. A new addition to the laser tube facility at Dudley, enables KMUK to offer fast tapping alongside the accuracy of the tube laser. The machine moves into position using an XYZ systems and can create threaded holes from M5 >M12. The machines are not fixed and can be moved to the relevant Laser machines.

Complex productions such as cutting different pieces on the same bar or batch changing among bars with different sections, are managed in automatically. The machine is able to propose and select the best suited choice for every production phase.

	Product	Min Size	Max Size	Max Thickness
Round 	Mild Steel	12mm	220	12mm
	Stainless Steel	12mm	220	6mm
	Aluminium	12mm	220	5mm
Square 	Mild Steel	12mm	200	12mm
	Stainless Steel	12mm	200	6mm
	Aluminium	12mm	200	5mm
Rectangle 	Mild Steel	12mm	200	12mm
	Stainless Steel	12mm	200	6mm
	Aluminium	12mm	200	5mm
Channel 	Mild Steel		200 x 90	12mm
	Stainless Steel		200 x 90	6mm
	Aluminium		200 x 90	5mm
Angle 	Mild Steel		200 x 200	12mm
	Stainless Steel		200 x 200	6mm
	Aluminium		200 x 200	5mm
Flat 	Mild Steel		200	12mm
	Stainless Steel		200	6mm
	Aluminium		200	5mm



## DESCRIPTION

## TECHNICAL DATA

Round profiles	12mm – 220mm
Square profiles	Up to 200 x 200mm
Angles	200mm x 200mm
Channels	200mm x 90mm
Flat Bars	200mm
Tube Loader Length	12500mm
Unloader Length	8500mm
Bar Weight	Max 35kg/m
Source Laser power	3500W
Digital CNC	Siemens 840D Solution Line
Materials processed	Carbon Steel
	Stainless Steel
	Aluminium
	Others on request
	Mild Steel 12mm
	Stainless Steel 6mm
	Aluminium Extrusion 5mm

### MAXIMUM MATERIAL THICKNESS

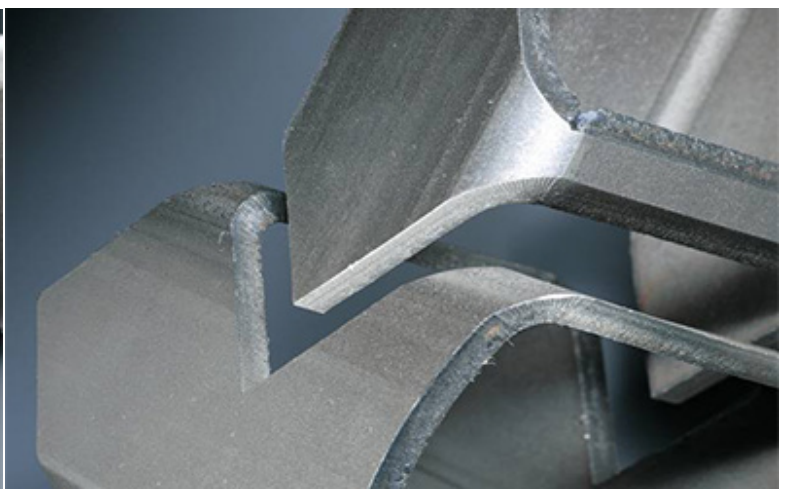
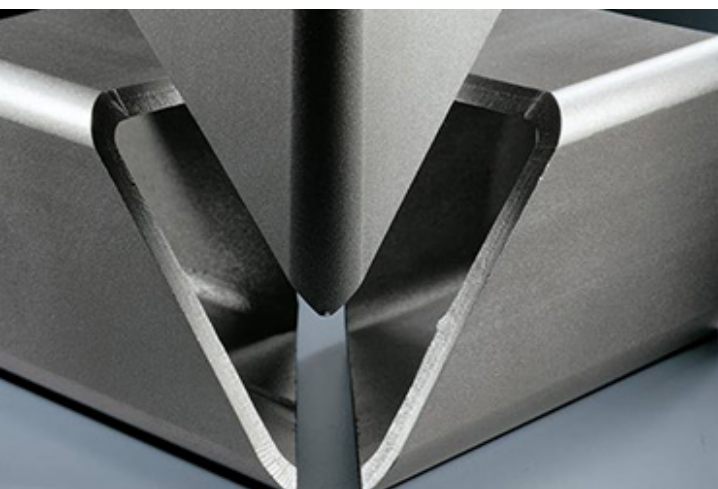


### TUBE LASER ADVANTAGES

- Faster processing of complex tube slotting and drilling
- Fully CNC automated process
- High volume output creating 'kits' of parts ready for assembly
- Cost savings on tooling, production and machine costs
- CE marked to exec class 4
- Highly trained CAD team

### Fast Tapping

New addition to the Tube Laser division in Dudley. We can now offer fast tapping using an XYZ Fast tap and can create threaded holes from M5 > M12. The machines are not fixed and can be moved to the relevant Laser machines.







## QUALITY, HEALTH & SAFETY, ENVIRONMENT (QHSE)

Our Vision is to become the UK market leader in multi metal distribution. We will achieve this by developing our valued employees, providing outstanding customer service and forming strong supplier partnerships. We will set business objectives and review them at corporate and local level:

- Traceability
- Stock from ISO approved suppliers
- Business units adhering to mission goals

BS EN ISO 9001: 2008 registration will be maintained by internal audits, management meetings and reviews. Periodic audits by an accredited organisation, will be maintained. We will monitor our performance against customer requirements.

### OUR FOCUS

- Cost of Quality
- Customer Retention
- Contract Review
- Attention to Detail
- Quality Responsibility

### COMPANY ACCREDITATION

BS EN ISO 9001  
BS EN ISO 14001  
OHSAS 18001



BS EN ISO 9001:2008 BS EN ISO 14001:2004  
BS OHSAS 18001:2007







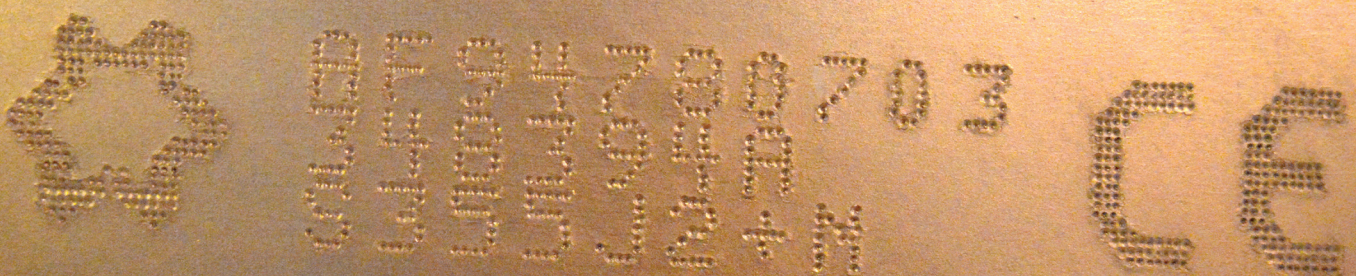
## CE MARKING

The construction industry is facing one of the most significant changes for a decade as CE marking of construction products becomes mandatory in all Member States throughout the European Union and the European Economic Area. CE marking for all construction products, covered by a harmonised European standard or conforming to a European Technical Assessment became mandatory from 1st July 2013, and a year later on the 1st July 2014 for fabricated structural steelwork. This represents a major development for engineers, contractors and steelwork specialists and it demands careful attention to the new obligations imposed.

Kloeckner Metals UK would like to assure all our customers that we are fully compliant to CE regulation especially with regards to CE marking of products. We are governed by the requirements of the Construction Product Regulation (CPR) which add responsibility to both importer and distributor who must also ensure that the manufacturer has undertaken fully all that is required. This responsibility also extends to sample testing and working with enforcing authorities. Construction products regulation govern a whole range of products sold into permanent constructions. The lists of products are long and complex, many of Kloeckner Metals UK core products and processes are included. The CE Mark indicates that product has met with the 'essential requirements' of the appropriate part of the Construction Product Regulation.

As of 1st July 2014, CE Marking for some processes became mandatory in particular: Shot blasting, Painting, Drilling and Oxy, Plasma & Laser profiling, and whether we do the process ourselves, or sub-contract it, we are ultimately responsible as the seller. Many of our products used in construction are covered by CE marking. For these products we buy them from CE certified mills and operations must ensure that we maintain full traceability from receipt through to despatch. This includes ensuring that the test cert is complete & includes the suppliers CE mark.

Products not purchased today from CE sources are being reviewed by Product Management & Group Ops on an on-going basis. Verification to international standards including related harmonised standards and/or a European technical assessment (ETA) will also apply. All mainstream construction products are covered by harmonised standards and must therefore be CE marked.



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