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**List 7c**  
**Approved Manufacturers of**  
**Copper and Copper Alloy Tubes**

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This list identifies works approved by Lloyd's Register Group Limited (LR) for the manufacture of copper and copper alloy tubes in accordance with the requirements of LR's Rules for the Manufacture, Testing and Certification of Materials, Chapter 9.

The information listed for each works is a summary and includes the maximum diameter and wall thickness approved.

Where required further information should be obtained from the current certificate of approval issued to the manufacturer by LR.

Works designated "MQS Approved" are also approved under the Materials Quality Scheme in accordance with LR's Rules for the Manufacture, Testing and Certification of Materials, Chapter 1 Section 2.

Approval only covers the manufacturing location listed, it does not extend to other works owned by the same company.

The local LR surveying office is also listed.

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**List 7c**  
**Approved Manufacturers of**  
**Copper and Copper Alloy Tubes (also Titanium where indicated)**

Name and Address	Max Diameter (mm)	Max Wall Thickness (mm)	Office
<b>Austria</b>			
<b>WIELAND AUSTRIA Ges.m.b.H</b> Fabrikstraße 4 A-3300 Amstetten <i>The plant site address:</i> <i>Werk Enzesfeld-Caro</i> Fabrikstraße 2 A - 2552 Enzesfeld-Lindabrunn  Tel: +43 7472 606 290  <i>Certificate: MD00/4166/0002/7c Expiry date: 27/05/2019</i>	159	6	Vienna
<b>China, People's Republic of</b>			
<b>725th RESEARCH INSTITUTE under CSIC</b> LUOYANG SHIP MATERIAL RESEARCH INSTITUTE No. 169 Binhe South Road Luolong District Luoyang, Henan Tel: +86 0379 67256042 Fax: +86 0379 67256043 Web: <a href="http://www.shipmatl.com.cn">www.shipmatl.com.cn</a> Certificate #: MD00/4478/0002/7c Expiry date: 26/04/2021	219	4	Wuhan
<b>Germany</b>			
<b>KME Germany GmbH &amp; Co. KG</b> Klosterstraße 29 D-49074 Osnabrück Tel +49 (0) 541 321 1997 Fax +49 (0) 541 321 81997 Email: <a href="mailto:anke.schmedt@kme.com">mailto:anke.schmedt@kme.com</a> Web <a href="http://www.kme.com">http://www.kme.com</a> Seam Welded Pipe for Approved Applications only  Pipe Welding Operations Sub Contracted Certificate number MD00/4042/0007/7c Expiry Date 04/06/2021	914	19	Hamburg
<b>MPG Mendener Präzisionsrohr GmbH</b> Balver Straße 86 58706 Menden Tel: +49 (0) 2373 1769 0 Fax: +49 (0) 2373 1769 10 Email: <a href="mailto:Susanne.fobbe@mpg-tubes.com">Susanne.fobbe@mpg-tubes.com</a> Web: <a href="http://www.mpg-tubes.com">http://www.mpg-tubes.com</a> Approval including copper alloy ingot casting Approved for eddy current testing in lieu of hydraulic testing  Certificate Number: MD00/4497/0002/7c Expiry: 04/07/2021	89	4	Hamburg
<b>MPG Wärmetechnik GmbH</b> Tel: +49 (0) 2373 1769 0 Fax: +49 (0) 2373 1769 10 Email: <a href="mailto:Susanne.fobbe@mpg-tubes.com">Susanne.fobbe@mpg-tubes.com</a> Web: <a href="http://www.mpg-tubes.com">http://www.mpg-tubes.com</a> Approved for finned tubes only with the maximum fin thickness 3.5mm Approved for eddy current testing in lieu of hydraulic testing  Certificate Number: MD00/4498/00027c Expiry: 04/07/2021	22	2	Hamburg
<b>WIELAND-WERKE AG</b> Graf-Arco-Strasse 36 D-89079 Ulm Tel: +49 731 944 2508 Fax: +49 731 944 4208 Email: <a href="mailto:Michael.kuttler@wieland.de">Michael.kuttler@wieland.de</a> Web: <a href="http://www.wieland.de">http://www.wieland.de</a> The scope of approval includes for finned tubes only with a maximum 5mm wall thickness accepted for approved applications. Certificate Number: MD00/3216/0005/7c Expiry: 26/01/2021	76	5	Hamburg
<b>India</b>			
<b>MEHTA TUBES LTD</b>	159	6	Mumbai

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Name and Address	Max Diameter (mm)	Max Wall Thickness (mm)	Office
<p>Unit II            Survey No: 46/1            Gangadevi Road, Palgam, Umbergaon.            Dist. Valsad, Gujarat            Tel: +91 9974021829, +91 9821271635</p> <p><i>E-mail: dkm@mejatubes.com and mukesh@mehta-gropu.com</i></p> <p><i>Website: www.mehtatubes.com</i></p> <p><i>Certificate No: MD00/4822/0001/7c Expiry Date: 04 December 2018</i></p>			
<p><b>MULTIMETALS LTD</b>            Heavy Industries Area            Kansua Road,            Kota            342003            Tel No : +91 744 242517-19 Fax No: +91 744 2427308            email : pralhad@multimetals.in</p> <p><i>Certificate No. MD00/3716/0004/7c Expiry date 08/12/2021</i></p>	368	5	Mumbai
<b>Japan</b>			
<p><b>SHINKO METAL PRODUCTS CO., LTD.</b>            2-1, Komorie 2-chome            Moji-Ku, Kitakyushu-City            Fukuoka Pref., 800-0007            Tel: +81 93 381 1331 Fax: +81 93 381 3731            email: inumaru nobuya@kobelco.com web: www.shinkometal.co.jp            Certificate No. MD00/2224/0007/7c Expiry date: 31/05/2019</p>	500	15	Nagasaki
<p><b>UACJ Copper Tube Corporation</b>            100 Shinmichi            Oogi-cho,            Toyokawa-shi            Aichi            Tel No: +81 533 93 5626 Fax +81 533 93 5981            email: kibayashi-motoyuki@uct.uacj-group.com web: http://uct.uacj-group.com/index.html</p> <p><i>Cert No: MD00/4231/0004/7c Expiry Date 14/07/2020</i></p>	80	5	Kobe
<b>Korea</b>			
<p><b>BO MYUNG P&amp;T CO., LTD.</b>            27, Mieumsandan-ro            199beon-gil, Gangseo-gu,            Busan            Tel: +82 51 266 4101 Fax: +82 51 266 4104            Mob: +82 010 4909 7906            email: bmmetal@chol.com web: www.bmmetal.co.kr</p> <p><i>Approved for supply of 90/10 Copper-Nickel-Iron seamless tubes</i></p> <p><i>Certificate No. MD00/3822/0006/7c Expiry date: 20/08/2021</i></p>	368	9	Busan Port
<p><b>BOMYUNG METAL CO., LTD.</b>            120, Hwajeonsandan3-ro            Gangseo-gu            Busan            Tel: +82 51-266-4101 Fax: +82 51-266-4104            email: bmmetal@chol.com website: www.bmmetal.co.kr            Certificate No. MD00/4075/0003/7c Expiry date: 01/09/2021</p>	324	4	Busan Port
<p><b>BS METAL Co., Ltd</b>            34-Ro Hanji 18-Gil,            Bongsu-Myon,            Uiryeong-Gun,            Kyungnam,            621-823            Tel: +82 55 573 0994 Fax: +81 55 573 0998            email: bsmetal@hanmail.net web: www.bsdrmetal.com</p> <p><i>Certificate No: MD00/4338/0001/7c Expiry Date: 17/06/2017</i></p>	133	8	Changwon

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Name and Address	Max Diameter (mm)	Max Wall Thickness (mm)	Office
<b>DAE DONG SHIN GWAN CO., LTD.</b> 58, Dasan-Ro 260beon-Gil, Saha-Gu, Busan <i>Tel: +82 51 264 4300 Fax: +82 51 264 4304</i> <i>email: ddsh@unitel.co.kr web: www.daedongshingwan.co.kr</i> <i>The scope of approval includes aluminium brass, 90/10 copper-nickel-iron and 70/30 copper-nickel-iron.</i> <i>Certificate Number: MD00/2653/0009/7c Expiry: 07/03/2021</i>	57	6	Busan Port
<b>DONG HWA T.C.A</b> 27, Green gongdan 2-gil, Yangsan-si, Gyeongsangnam-do, <i>Tel: +82 (055) 367 0043 Fax: +82 (055) 367 0039</i> <i>email: dhtube@chol.com web: www.dhtube.co.kr</i> <i>Certificate No. MD00/2667/0010/7c Expiry date: 23/11/2021</i>	406	8	Busan Port
<b>DOOWON HIGH STEEL CO., LTD.</b> 87, Sorak-ro, Sangdong-myeon, Gimhae-si Kyeonsangnam <i>Tel +82 55 345 3613 Fax no. +82 55 345 3614</i> <i>doowonco@daum.net web www.doowonpipe.com</i> <i>Certificate No. MD00/4825/0002/7c Expiry date 10/12/2021</i>	508	15	Busan Port
<b>Gunju Tech Co., Ltd.</b> 181, Tekeunobaelli-ro, Jillye-myeon, Gimhae-si Gyeongsangnam-do 50875 <i>Tel: +82 (0)55 323 7651</i> <i>Email: gunju-tech@daum.net</i>  <i>Certificate No. MD00/4865/0002/7c Expiry date: 08/07/2022</i>	610	20	Changwon
<b>HANSAE CO., LTD</b> 44, Wajigongdan 2-gil Ungchon-myeon, Ulju-gun Ulsan <i>Tel No. +82 52 258 0684 Fax No +82 52 258 0685</i> <i>Email: tube@hansaeglobal.com</i> <i>Web www.hansaeglobal.com</i> <i>Certificate Number MD00/4341/0003/7c Expiry date: 19/06/2020</i>	368	8	Ulsan
<b>POONGSAN CORPORATION</b> Ulsan Plant 94, Sanam-ro Onsan-eup Ulju-gun <i>Tel: +82 52 231 9303 Fax: +82 52 231 9400 Email: mailto:jdchun@poongsan.co.kr Web: http://www.poongsan.co.kr</i> <i>Certificate No. MD00/2792/0006/7c Expiry date: 15/04/2019</i>  <i>ECT testing to in-house procedures in combination with pneumatic testing to JIS H3300 or ASTM B111 is acceptable in lieu of hydraulic testing.</i>	44	3	Ulsan
<b>SHIN HAN METAL CO., LTD.</b> 69, Sandan 1-gil, Sapgyo-eup, Yesan-gun, Chungcheongnam-da, <i>Tel: 82-41-338-9711</i> <i>email: jhcheon@shmetech.com web: www.shmetech.com</i> <i>Certificate No: MD00/4597/0001/7c Expiry Date: 13/07/2019</i>	25	1	Seoul
<b>TSM TECH CO., LTD.</b> 2nd Onsan Factory 93, Cheoyongsaneop 3-gil Cheongnyang-myeon, Ulju-gun Ulsan 689-865 <i>Tel: +82 52 270 1607 Fax: +82 52 270 1640</i> <i>Email: jhkim@tsm-tech.com Web: http://www.tsm-tech.com</i> <i>Welded titanium tubes to ASTM B862-2 Grade 2 for approved applications</i> <i>Certificate Number: MD00/4373/0001/7c Expiry date: 14/08/2017</i>	914	19	Ulsan

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Name and Address	Max Diameter (mm)	Max Wall Thickness (mm)	Office
<b>Portugal</b>			
<b>WIELAND THERMAL SOLUTIONS, Lda</b> Avenida de Palmeria (E.N. 103-1) No 169, Lugar do Barral 4740-596 Palmeira de Faro, Esposende Tel: +351 253 696 391 Fax: +351 253 696 391 Email: ricardo.patricio@wieland.com Web: <a href="http://www.wieland-thermalsolutions.com">http://www.wieland-thermalsolutions.com</a>	25	2	Lisbon
<i>Certificate No. MD00/4289/0002/7c Expiry date: 13/02/2020</i>			

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