



Approval of Steel Pipes and Tubes

Manufacturer **SeAH Changwon Integrated Special Steel Corporation**

Address 147, Jeokhyeon-ro, Seongsan-gu, Changwon-si, Gyeongnam, 51708, South Korea

Type Pipes And Tubes

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



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Seamless Pipes	Type of Steel	Grades	Maximum Diameter	Units
Hot finished	C, C-Mn Steel	490, 460, 410	150.00	mm
Hot finished	C, C-Mn Steel	360 , 320	150.00	mm
Solution Annealed	Austenitic Stainless Steel	304L	273.00	mm
Solution Annealed	Austenitic Stainless Steel	316L	273.00	mm
Solution Annealed	Austenitic Stainless Steel	317	273.00	mm
Solution Annealed	Austenitic Stainless Steel	321	273.00	mm
Solution Annealed	Austenitic Stainless Steel	347	273.00	mm
Solution Annealed	Duplex Stainless Steel	UNS S31803	114.30	mm
Solution Annealed	Duplex Stainless Steel	UNS S32750	114.30	mm

Seamless Pipes	Type of Steel	Grades	Maximum Thickness	Units
Hot finished	C, C-Mn Steel	490, 460, 410	22.00	mm
Solution Annealed	C, C-Mn Steel	360 , 320	22.00	mm
Solution Annealed	Austenitic Stainless Steel	304L	23.02	mm
Solution Annealed	Austenitic Stainless Steel	316L	23.02	mm
Solution Annealed	Austenitic Stainless Steel	317	23.02	mm
Solution Annealed	Austenitic Stainless Steel	321	23.02	mm
Solution Annealed	Austenitic Stainless Steel	347	23.02	mm
Solution Annealed	Duplex Stainless Steel	UNS S31803	11.07	mm
Solution Annealed	Duplex Stainless Steel	UNS S32750	11.07	mm



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Additional Remarks

- Approval includes C, C-Mn seamless pipes and tubes with maximum diameter 150mm, wall thickness 22.00mm;
- Approval includes austenitic stainless steel seamless pipes and tubes with maximum diameter 273mm, wall thickness 23.02mm;
- Approval includes duplex stainless (including S32760 super duplex stainless) seamless steel pipes and tubes with maximum diameter 114.30mm, wall thickness 11.07mm, in hot and cold finished process; lowest operating design temperature specified is - 50 °C (minus 50 Degree C)



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