

Corus Tubes

# 5% Chrome submerged arc welded pipe

Energy Business



**5% Chrome from Stockton 84" SAW pipe mill**  
**Submerged Arc Welded 5% Chrome pipe, now available from Corus as ASTM A691 5CR, provides a competitive alternative to previously employed seamless products. SAW 5% Chrome pipe brings with it added advantages of closer tolerance control. A design factor of 1 permits its use as a direct replacement of seamless products.**



**Cost savings and product benefits are now available from Corus to those who design 5% Chrome piping into elevated temperature and pressure applications.**

An SAW alternative to thin wall seamless 5% Chrome piping, traditionally supplied to ASTM A335 P5 for use in petrochemical applications, is now available from our Stockton works supplied to ASTM A691 5CR.

The development of our range to include this grade has been encouraged by design engineers' acceptance of the substitution of seamless by SAW in critical service applications which require the use of 5% Chrome and by the cost savings available to the end user from SAW in comparison with seamless.

ASTM A691 5CR offers mechanical properties equivalent to ASTM A335 P5. Corus offer the product in the normalised and tempered condition which, when coupled with 100% weld line X radiography, create a product with mechanical performance and product

assurance supporting its employment in applications previously serviced by seamless pipe.

Users can also benefit by the 'Joint Quality Factor' in design code ASME B31.3 permitting SAW's replacement of seamless using a design factor of 1 in petrochemical applications where the pipe is supplied with 100% weldline X radiography.

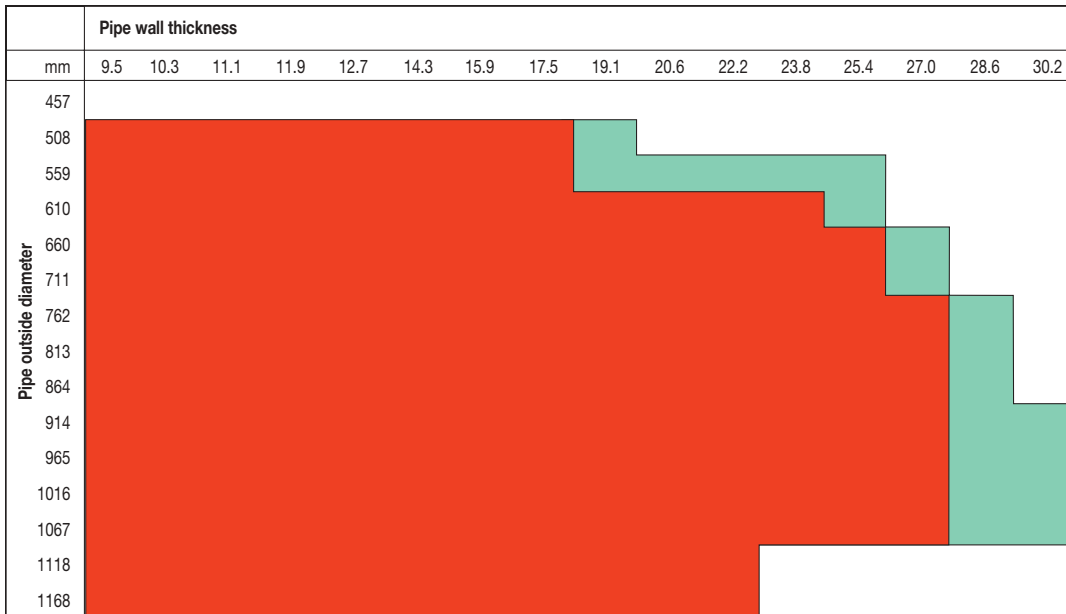
Corus's 84" pipe mill at Stockton maintains ISO Quality Assurance accreditation.

The integrity of the product is further ensured by the use of plate feedstock from approved suppliers holding appropriate ISO accreditation to complement our own.

In addition to mandatory test requirements additional product assurance is available by 'in house' 100% ultrasonic examination of the weld and transverse weld line tensile testing.

## Available size range

### ASTM A691 grade 5CR [5% Chrome]



- Standard Manufacturing Range - 9m lengths
- Available as 6m lengths only

Maximum lengths supplied are 9.2 metres except where indicated on the size availability chart.

Small quantity items, typical of the process industry, can be supplied in specific dimensions within the overall availability matrix.

Dimensional controls, straightness supplied as standard to 1 in 1000, and close control over pipe lengths ensure that, like all SAW pipes, 5% Chrome from Corus will offer tangible benefits to the engineer/fabricator in addition to providing a cost effective alternative to thin wall seamless pipes.



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# www.corusgroup.com

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Care has been taken to ensure that this information is accurate, but Corus Group plc, including its subsidiaries, does not accept responsibility or liability for errors or information which is found to be misleading

Designed by Eikon Ltd

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