

## API Specification

# 5LD

Third Edition, March 2009  
Specification for CRA Clad or Lined Steel  
Pipe

## Information to be Supplied by the Purchaser

API Monogram® Required ☐ Yes ☐ No

## 4 Information to be Supplied by the Purchaser

In placing orders for CRA clad or lined pipe in accordance with API 5LD, the purchaser shall specify the following on the purchase order.

Requirement	API 5LD or API 5L (if Noted) Section/Table/Figure Number
Specification	5LD
Quantity of pipe in feet or meters	As specified on the purchase order
Type of pipe: clad or lined	5.2
Process of manufacture: seamless, welded	5.2
Grade of backing steel material (PSL 2 only)	5L, Table 1
Material or CRA clad or liner material	Table 1
Type of CRA layer	5.2
Nominal diameter (size) of backing steel	5L, Table 9
Wall thickness (nominal) of backing steel	5L, Table 9
Minimum thickness of CRA cladding or liner	Section 5
Nominal length of joint	5L, Section 9.11.1.3
End finish	5L, Section 9.12
<b>The purchaser shall also state on the purchase order requirements concerning the following stipulations</b>	
Chemical analysis reports	6.1 to 6.6
PREN or PREW if required	6.1
Defect repair procedures	12.3
Chemical requirements for the CRA layer	Table 1 and notes
Mechanical properties of CRA layer and backing	Section 7 and subsections; 5L, Section 9.3
CVN shear requirements	7.11.3
CRA layer bonding test	8.3
OD tolerance applied to ID	10.2 and Table 6
Jointers	10.7
NDT of welded clad pipe	11.1
NDT of seamless clad pipe	11.2
NDT of lined pipe	11.3
Continuity of CRA layer	12.2
Repair of defects in CRA layer	12.3
Certification	14.1

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Specification	5LD
<b>Annexes</b>	
API monogramming	Annex A
Manufacturing procedure specification	Annex B
Welding procedure specification (WPS) requirements	Annex C
Manufacturing procedure qualification test	Annex D
Jointer requirements	Annex E
Procedures for metric conversion	Annex F
Purchaser Inspection	Annex G