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Errata 3

Section 4.1: The final bulleted item in the section shall be changed as indicated by the red box:

product supplementary requirements, see Annex K (normative).

Table 6: The table shall be changed as indicated by the red box:

Requirement	Reference
Statistical tensile test	7.2.4, K.11 (SR 38)
Statistical impact testing	7.3.8, K.7 (SR 12)
Impact testing of non-heat-treated product	7.5.1, K.9 (SR 16)
Thread and storage compound	8.14

"Alternative hardenability" row has been deleted

Section 7.3.7, 1st paragraph: The paragraph shall be changed as indicated by the red box:

The test temperature shall be 0 °C (32 °F) for all grades except Grades J55 and K55. Grades J55 and K55 shall be tested at 21 °C (70 °F). An alternative lower test temperature may be specified in the purchase agreement or selected by the manufacturer for any grade. The tolerance on the test temperature shall be ± 3 °C (± 5 °F).

Section 7.5.5: The section shall be changed as indicated by the red box:

For Grades C110 and Q125 pipe, impact testing in accordance with 10.7 is mandatory. For other grades, except Grades H40, J55, and K55 (which have no mandatory impact requirements for pipe), compliance with the requirements of 7.5.2 may be qualified by a documented procedure in lieu of testing, at the manufacturer's option, unless K.9 (SR 16) is specified in the purchase agreement, in which case testing is mandatory as specified in 10.7. Pipe qualified by a documented procedure that fails to show conformance to the specified impact energy requirements after shipment shall be rejected.

Section 10.2.1: The header shall be changed as indicated by the red boxes:

10.2.1 Grades H40, J55, K55, L80 Type 1, N80 (All Types), R95, and P110—Coupling Stock, Coupling Material, and Pipe (except pup joints heat-treated after cutting to blank or individual length)

Table C.4: The table shall be changed as indicated by the red box:

1															
I	T95	1	_	0.35	_	1.20	0.25 d	0.85	0.40	1.50	0.99	_	0.020	0.010	_

Table C.36: The table shall be changed as indicated by the red boxes:

		Grades H40, J55, I R L80 (All Typ	Grades C90, T95, C110, and Q125	
Coupling	for Label 1	Pits and Round-bottom Gouges	Grip Marks and Sharp-bottom Gouges	Pits, Round-bottom Gouges, Sharp-bottom Gouges, Grip Marks
		mm	mm	mm
1	2	3	4	5

Table C.37: The table shall be changed as indicated by the red boxes:

L80 9Cr, L80 13Cr	≤ 4 ¹ / ₂	200 b. d	2°	_
C90, 195	≤ 4 ¹ / ₂	200 b, d	1	_
L80 Type 1	> 4 1/2	100 a, b	2°	1
L80 9Cr, L80 13Cr	> 4 1/2	100 b, d	2°	_

Table C.39: The table shall be changed as indicated by the red boxes:

		Manadan Manadan and	Number of Tests		
Grade	Material and Heat To	reatment Conditions ^a	Maximum Number of Pieces in a Lot	per Lot	per Heat
1	2	3	4	5	6
H40, J55, K55, N80 (all types)	Full-length standard tubing or casir	Label 1: < 6 ⁵ / ₈ : 400 Label 1: ≥ 6 ⁵ / ₈ : 200	1	1	
P110	Full-length standard tubing or casir	g from one or more heats	Label 1: < 6 ⁵ / ₈ : 200 Label 1: ≥ 6 ⁵ / ₈ : 100	1	1
H40, J55, K55, N80 (all types), P110	Thick-wall mechanical tube or bar	stock from a single heat	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	1	1
PIIO	Heat-treated in individual lengths or hot forgings	Batch heat treatment	100 pup joints or 400 accessory material	1	_
		Heat-treated in sequential loads or continuous heat treatment	In accordance with 10.2.3	1	_
R95, L80 Type 1	Full-length standard tubing or casir	ng from one or more heats	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	2 ^{a, b}	2 a, b
	Thick-wall mechanical tube or bar	stock from a single heat	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	2 ^{a, b}	2 a, b
	Heat-treated in individual lengths or hot forgings	Batch heat treatment	100 pup joints or 400 accessory material	2 b	_
		Heat-treated in sequential loads or continuous heat treatment	In accordance with 10.2.3	2 b	-
		•			

Table C.40: The table shall be changed as indicated by the red box:

Grade	Ма	terial	Number of Tests per Lot	Maximum Number of Pieces in a Lot	Type of Test	Location		
1		2		2		4	5	6
Grade C110	Grade C110 As-quenched product		1	Each production run or heat treatment practice	Through-wall, 4 quadrants	Design area of greatest thickness		
	Non-upset pip	е	2	One from each end	Through-wall, 1 quadrant	Each end of each piece		
	Coupling blanks, coupling	blanks, heat treatment stock, coupling Individual		Each length	Through-wall, 4 quadrants	One from each end		
	coupling material, pup			Each piece	Surface—HRC or HBW	Each piece		
	joints and accessory material	treatment	1	Label 1: $< 9.5/8$: 50 ° Label 1: $\ge 9.5/8$: 30 °	Through-wall, 4 quadrants	From a piece with the highest surface hardness number in the lot		

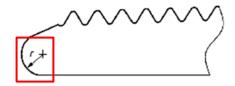
Table C.48: The table shall be changed as indicated by the red boxes:

		l.					
1	Manufacturer's name or mark	«»	D or P	D or P	Р	Р	Р
2	API Spec 5CT	5CT °	D or P	D or P	Р	Р	Р
	Date of manufacture as in 11.1.8 or 11.1.9.	«»	D or P	D or P	Р	Р	Р
	Manufacturer's option (applicable to API Monogram licensees):	«»	D or P	D or P	D or P	Р	Р
	— API license number						
Ш	— API Monogram						
	— Date of manufacture as in 11.1.8 or 11.1.9						
3	Unthreaded pipe or special end- finish, if applicable (place symbol after specification marking):						
	Unthreaded pipe either upset or non-upset	PE	D or P		Р		
	— Pipe with special end-finish threaded by the pipe mill or processor	SF	D or P		Р		
	Couplings threaded with special end-finish	SF		D or P		Р	
	— Coupling stock	cs					Р
4	Size designation (fill in Label 1 designation from Column 1 of Table C.1 or C.2)	«»	Р		Р		
	Specified diameter for coupling stock and other products with no mass designation						Р

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	I .	ı		1	1	_	
9	Heat treatment, if applicable:						
	— J55 or K55 normalised	Z	Р	Р			Р
	— J55 or K55 normalised and tempered	N&T	Р	Р			Р

Figure D.6: The figure shall be changed as indicated by the red box:



Label 1	Radius ^a r mm (in.)
1	2
2 ³/a	2.4 (3/32)
2 7/8	2.4 (3/32)
3 1/2	3.2 (1/8)
4 ´ <i>l</i> ɔ	3.2 (¹/ɛ)
NOTE See API 5B for p	roduct acceptance.
4 TI II	

These dimensions are for reference only and are not subject to measurement for determining product acceptance.

Figure D.18: The figure shall be changed as indicated by the red box:

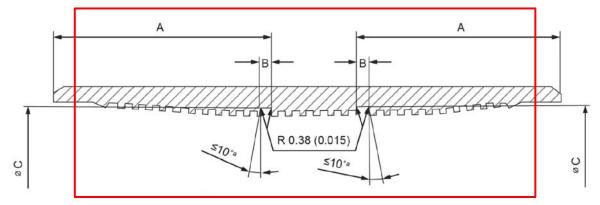


Table E.24: The table shall be changed as indicated by the red boxes:

											Ca	Iculated M	ass ^c					
	Lab	els ^a		Outside Diameter	Nomina	l Linear Ma	sses b, c	Wall Thickness	Inside Diameter	Plain- end	e _m , Mass Gain or Loss Due to End Finishing ^d Ib			to End				
		2			Non-	External Upset	Integral Joint									Externa	al Upset ^e	
1	NU T&C	EU T&C	IJ	D in.	upset T&C lb/ft	T&C lb/ft	lb/ft	in.	d in.	w _{pe} lb/ft	Non- upset	Regular	Special Clearance	Integral Joint				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
2 ⁷ /8	6.40	6.50	_	2.875	6.40	6.50	_	0.217	2.441	6.17	3.20	5.60	3.76	_				
2 ⁷ /8	7.80	7.90	_	2.875	7.80	7.90	_	0.276	2.323	7.67	2.80	5.80	3.92	_				
2 ⁷ /8	8.60	8.70	_	2.875	8.60	8.70	_	0.308	2.259	8.45	2.60	5.00	3.16	_				
2 ⁷ /8	9.35	9.45	_	2.875	9.35	9.45	_	0.340	2.195	9.21	_	_	_	_				
2 ⁷ /8	10.50	_	_	2.875	10.50	_	_	0.392	2.091	10.40	_	-	_	_				
2 7/8	11.50	_	_	2.875	11.50	_	_	0.440	1.995	11.45	_	-	_	_				
3 1/2	7.70	_	_	3.500	7.70	_	_	0.216	3.068	7.58	5.40	_	_	_				
3 1/2	9.20	9.30	_	3.500	9.20	9.30	_	0.254	2.992	8.81	5.00	9.20	5.40	_				
3 1/2	10.20	_	_	3.500	10.20	_	_	0.289	2.922	9.92	4.80	_	_	_				
3 1/2	12.70	12.95	_	3.500	12.70	12.95	_	0.375	2.750	12.53	4.00	8.20	4.40	_				
3 1/2	14.30	_	_	3.500	14.30	_	_	0.430	2.640	14.11	_	-	_	_				
3 1/2	15.50	_	_	3.500	15.50	_	_	0.476	2.548	15.39	_	_	_	_				
3 1/2	17.00	_	_	3.500	17.00	_	_	0.530	2.440	16.83	_	_	_	_				
4	9.50	_	_	4.000	9.50	_	_	0.226	3.548	9.12	6.20	_	_	_				
4	10.70	11.00	_	4.000	_	11.00	_	0.262	3.476	10.47	_	10.60	_	_				
4	13.20	_	_	4.000	13.20	_	_	0.330	3.340	12.95	_	_	_	_				
4	16.10	_	_	4.000	16.10	_	_	0.415	3.170	15.90	_	_	_	_				
4	18.90	_	_	4.000	18.90	_	_	0.500	3.000	18.71	_	_	_	_				
4	22.20	_	_	4.000	22.20	_	_	0.610	2.780	22.11	_	_	_	_				

...

4 1/2	12.60	12.75	_	4.500	12.60	12.75	_	0.271	3.958	12.25	6.00	13.20	_	_
4 1/2	15.20	_	_	4.500	15.20	_	_	0.337	3.826	15.00	_	_	_	-
4 1/2	17.00	_	_	4.500	17.00	_	_	0.380	3.740	16.77	_	_	_	-
4 1/2	18.90	_	_	4.500	18.90	_	_	0.430	3.640	18.71	_	_	_	-
4 1/2	21.50	_	_	4.500	21.50	_	_	0.500	3.500	21.38	_	_	_	- I
4 1/2	23.70	_	_	4.500	23.70	_	_	0.560	3.380	23.59	_	_	_	-
4 1/2	26.10	_	_	4.500	26.10	_	_	0.630	3.240	26.06	_	_	_	-

Table E.37: The table shall be changed as indicated by the red boxes:

L80 9Cr, L80 13Cr	≤ 4 ¹ / ₂	200 b, d	2°	-
C90, T95	≤ 4 ¹ / ₂	200 b, d	1	_
L80 Type 1	> 4 1/2	100 ^{a, b}	2°	1
L80 9Cr, L80 13Cr	> 4 1/2	100 b. d	2°	1-1

Table E.39: The table shall be changed as indicated by the red boxes:

		Marrian was Name have of	Number of Tests		
Grade	Material and Heat Tr	Maximum Number of Pieces in a Lot	per Lot	per Heat	
1	2	3	4	5	6
H40, J55, K55, N80 (all types)	Full-length standard tubing or casin	Label 1: < 6 ⁵ / ₈ : 400 Label 1: ≥ 6 ⁵ / ₈ : 200	1	1	
P110	Full-length standard tubing or casin	Label 1: < 6 ⁵ / ₈ : 200 Label 1: ≥ 6 ⁵ / ₈ : 100	1	1	
H40, J55, K55, N80 (all types),	Thick-wall mechanical tube or bar s	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	1	1	
P110	Heat-treated in individual lengths or hot forgings	Batch heat treatment	100 pup joints or 400 accessory material	1	_
		Heat-treated in sequential loads or continuous heat treatment	In accordance with 10.2.3	1	_
R95, L80 Type 1	Full-length standard tubing or casin	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	2 a, b	2 a, b	
	Thick-wall mechanical tube or bar s	Label 1: ≤ 4 ¹ / ₂ : 200 Label 1: > 4 ¹ / ₂ : 100	2 a, b	2 a, b	
	Heat-treated in individual lengths or hot forgings	Batch heat treatment	100 pup joints or 400 accessory material	2 b	_
		Heat-treated in sequential loads or continuous heat treatment	In accordance with 10.2.3	2 b	_

Table E.40: The table shall be changed as indicated by the red box:

Grade	Mat	terial	Number of Tests per Lot	Maximum Number of Pieces in a Lot	Type of Test	Location 6	
1		2	3	4	5		
Grade C110	As-quenched	product	1	Each production run or heat treatment practice	:		
	Non-upset pip	e	2	One from each end	Through-wall, 1 quadrant	Each end of each piece	
	Coupling blanks, coupling	Tube length heat treatment	2 e	Each length	Through-wall, 4 quadrants	One from each end	
	stock, coupling material, pup	Individual heat	1	Each piece	Surface—HRC or HBW	Each piece	
	joints and accessory material	treatment	1	Label 1: < 9 ⁵ / ₈ : 50 ^c Label 1: ≥ 9 ⁵ / ₈ 30 ^c	Through-wall, 4 quadrants	From a piece with the highest surface hardness number in the lot	

Table E.48: The table shall be changed as indicated by the red boxes:

		1	1	1			
1	Manufacturer's name or mark	«»	D or P	D or P	Р	Р	Р
2	API Spec 5CT	5CT °	D or P	D or P	Р	Р	Р
	Date of manufacture as in 11.1.8 or 11.1.9.	«»	D or P	D or P	Р	Р	Р
	Manufacturer's option (applicable to API Monogram licensees):	«»	D or P	D or P	Р	Р	Р
l	— API license number						
l	— API Monogram						
	— Date of manufacture as in 11.1.8 or 11.1.9						
3	Unthreaded pipe or special end- finish, if applicable (place symbol after specification marking):						
	— Unthreaded pipe either upset or non-upset	PE	D or P		Р		
	Pipe with special end-finish threaded by the pipe mill or processor	SF	D or P		Р		
	Couplings threaded with special end-finish	SF		D or P		Р	
Ι.	— Coupling stock	cs					Р
4	Size designation (fill in Label 1 designation from Column 1 of Table E.1 or E.2)	«»	Р		Р		
	Specified diameter for coupling stock and other products with no mass designation						Р

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- 1							4
ſ	9	Heat treatment, if applicable:					
١		— J55 or K55 normalised	Z	Р	Р		Р
		— J55 or K55 normalised and tempered	N&T	Р	Р		Р

Table H.1: The table shall be changed as indicated by the red boxes:

H.2.1	6.2.2	2	2									
		•										'
•••												
H.18.1.5	10.15.6				3	3	3	3			3	
	10.15.7											
	10.15.8											
H.18.2	10.15.10		2									
H.18.3	10.15.13	3	3		3	3	3	3	3	3	3	3
H.18.4	10.15.11					2	2	2	2	2	2	2
H.18.5	10.15.11					3	3	3	3	3	3	3
H.19	K.8.2	2	2	2	2	2	2	2	2	2	2	2

Section H.18.1.5: The header shall be changed as indicated by the red box:

H.18.1.5 Grades N80Q, R95, L80 Type 1, L80 13CR, and P110, and P110 K.9 (SR 16), PSL-3 (10.15.6, 10.15.7, and 10.15.8)

Section H.18.4: The header shall be changed as indicated by the red box:

H.18.4 NDE of Coupling Stock—Grades R95, L80 (All Types), C90, T95, P110, and Q125, PSL-2 (10.15.11)

Section H.18.5: The header shall be changed as indicated by the red box:

H.18.5 NDE of Coupling Stock—Grades R95, L80 (All Types), C90, T95, P110, and Q125, PSL-3 (10.15.11)

Section J.8.2, item d): The item shall be changed as indicated by the red box:

d) NDE of pipe ends after end finishing [H.18.3].

Section K.9.3.2: The header shall be changed as indicated by the red box:

K.9.3.2 SR 16.3.2 Grades J55 and K55 Only

Section K.10.2.2: The section shall be changed as indicated by the red box:

An equilateral triangle die stamp 6.35 mm (1 / $_{4}$ in.) high shall be placed at a distance of L_{9} from each end of each pipe using an applicable method identified in 11.2.6. See Figure D.23 for SR 22.1.

Annex K: The annex header shall be changed as indicated by the red box:

Annex K (normative)

Supplementary Requirements

Bibliography: Entries 9 through 12 have been reordered, as shown in the following. A text change is indicated in the red box.:

- [9] ISO/IEC 17011, Conformity assessment—General requirements for accreditation bodies accrediting conformity assessment bodies
- [10] ISO/IEC 17025, General requirements for the competence of testing and calibration laboratories
- [11] NACE MR0175/ISO 15156-1, Petroleum and natural gas industries—Materials for use in H₂S-containing environments in oil and gas production—Part 1: General principles for selection of cracking-resistant materials
- [12] NACE MR0175/ISO 15156-2 Petroleum and natural gas industries—Materials for use in H₂S-containing environments in oil and gas production—Part 2: Cracking-resistant carbon and lowalloy steels, and the use of cast irons