

**API Ballot id# 6118
SC5 TGOCTG**

Work Item	2456—Coupling Acceptable Depth of Marks
Type of Distribution [Ballot (vote and comment), Comment-only, Recirculation (comment resolution), Re-ballot, etc.]	Ballot (comment and vote)
Impacted Document	SPEC 5CT, 10 th Edition
Other Impacts	PENDING: 11 th Edition of 5CT
Revision Key	Current/unchanged content in BLACK; Track Changes as: 1) Additions in <u>underlined BLUE</u> 2) Deletions in stricken RED NOTE The “*****” indicates there is un-altered content above / below.

Work Item Charge: Review Tables C.36/E.36 to evaluate and update column 5 as needed.

Understand why Tables C.36/E.36 allows for deeper sharp bottom defects of T95 couplings (tubing) than K, N80, P110, etc.? If this was unintended, recommend appropriate revisions.

Ballot Rationale: 5CT 1st Edition, as well as the 10th Edition, have the values allowing for deeper sharp bottom defects. API 5AC (1981) did NOT allow for deeper sharp bottom defects but allowed for less depth for sharp bottom defects on these materials.

Revision recommendation is to follow previous and current examples of having a lower depth allowance for sharp bottom defects than round bottom defects, by 0.005 in. Also need to include L80 9Cr, L80 13Cr with the C90, T95, C110 and Q125. Remove L80 all types and note L80 3Cr and L80 Type 1.

Comments: API 5C5 would need to be revised as well as; same error was transferred during the creation of 5CT.

NOTE See the ballot email notification for additional information regarding this ballot.

Casing and Tubing

API SPECIFICATION 5CT
TENTH EDITION, JUNE 2018

ERRATA 1, DECEMBER 2018
ERRATA 2, MAY 2019
ERRATA 3, JUNE 2020

API MONOGRAM PROGRAM EFFECTIVE DATE: JULY 1, 2019

ADDENDUM 1, JANUARY 2021
(API MONOGRAM PROGRAM EFFECTIVE DATE: JULY 1, 2021)

Annex C

Table C.36—Permissible Depth of External Imperfections on Coupling

Coupling for Label 1		Grades H40, J55, K55, N80 all types, R95, L80 all types, L80 Type 1, L80 3Cr, and P110		Grades <u>L80 9Cr</u> , <u>L80 13Cr</u> , C90, T95, C110, and Q125
		Pits and Round-bottom Gouges	Grip Marks and Sharp-bottom Gouges	Pits, Round-bottom Gouges, Sharp-bottom Gouges, Grip Marks
1		3	4	5
Tubing	< 3-1/2	0.76	0.64	0.76 <u>0.51</u>
	≥ 3-1/2 to ≤ 4-1/2	1.14	0.76	0.89 <u>0.64</u>
Casing ^a	< 6-5/8	0.89	0.76	0.76 <u>0.64</u>
	≥ 6-5/8 to ≤ 7-5/8	1.14	1.02	0.89
	> 7-5/8	1.52	1.02	0.89

^a Includes casing used as tubing.

Annex E

Table E.36—Permissible Depth of External Imperfections on Coupling (Dimensions in Inches)

Coupling for Label 1		Grades H40, J55, K55, N80 all types, R95, L80 all types, L80 Type 1, L80 3Cr, and P110		Grades <u>L80 9Cr</u> , <u>L80 13Cr</u> , C90, T95, C110, and Q125
		Pits and Round-bottom Gouges	Grip Marks and Sharp-bottom Gouges	Pits, Round-bottom Gouges, Sharp-bottom Gouges, Grip Marks
1	2	3	4	5
Tubing	< 3-1/2	0.030	0.025	0.030 <u>0.020</u>
	≥ 3-1/2 to ≤ 4-1/2	0.045	0.030	0.035 <u>0.025</u>
Casing ^a	< 6-5/8	0.035	0.030	0.030 <u>0.025</u>
	≥ 6-5/8 to ≤ 7-5/8	0.045	0.040	0.035
	> 7-5/8	0.060	0.040	0.035

^a Includes casing used as tubing.