

Draft for WIDE CIRCULATION

BUREAU OF INDIAN STANDARDS

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AMENDMENT NO. 2 TO

IS 280 : 2006

MILD STEEL WIRE FOR GENERAL ENGINEERING PURPOSES

(Fourth Revision)

ICS 25.220.40;77.140.65

Wrought Steel Products
Sectional Committee, MTD 4

Last date for receipt of
comments is **03 Jan 2024**

(Page 1, clause 2) — Delete the following reference:

<i>IS No.</i>	<i>Title</i>
IS 4826 : 1979	Hot-dipped galvanized coatings on round steel wires (<i>first revision</i>)

(Page 1, clause 2) — Insert the following reference at appropriate place:

<i>IS No.</i>	<i>Title</i>
IS 6745 : 1972	Methods for determination of mass of zinc coating on zinc coated iron and steel articles

(Page 2, clause 11.1) — Substitute the following for the existing clause:

'11.1 When determined in accordance with IS 6745 the galvanized coating of steel wire shall conform to the requirements for any one of the types of coatings given in Table 3.'

(Page 2, Table 3) — Insert following table after clause 11.1:

Table 3 Coating mass per unit area

(Clause 11.1)

Diameter mm	Classes ^a					
	A g/m ²	AB g/m ²	B g/m ²	C g/m ²	D g/m ²	A × 3 ^b g/m ²
0.15 ≤ d < 0.20	-	-	15	-	10	
0.20 ≤ d < 0.25	30	20	20	20	15	
0.25 ≤ d < 0.32	45	30	30	25	15	
0.32 ≤ d < 0.40	60	30	30	25	15	
0.40 ≤ d < 0.50	85	55	40	30	15	
0.50 ≤ d < 0.60	100	70	50	35	20	
0.60 ≤ d < 0.70	115	80	60	40	20	
0.70 ≤ d < 0.80	130	90	60	45	20	

$0.80 \leq d < 0.90$	145	100	70	50	20	
$0.90 \leq d < 1.00$	155	110	70	55	25	
$1.00 \leq d < 1.20$	165	115	80	60	25	
$1.20 \leq d < 1.40$	180	125	90	65	25	540
$1.40 \leq d < 1.65$	195	135	100	70	30	585
$1.65 \leq d < 1.85$	205	145	100	75	30	615
$1.85 \leq d < 2.15$	215	155	115	80	40	645
$2.15 \leq d < 2.50$	230	170	125	85	45	690
$2.50 \leq d < 2.80$	245	185	125	95	45	735
$2.80 \leq d < 3.20$	255	195	135	100	50	765
$3.20 \leq d < 3.80$	265	210	135	105	60	795
$3.80 \leq d < 4.40$	275	220	135	110	60	825
$4.40 \leq d < 5.20$	280	220	150	110	70	840
$5.20 \leq d < 8.20$	290			110	80	870
$8.20 \leq d < 10.00$	300			110	80	900

^a The coating class with a designation starting with A relates to thick coatings (generally final coating). Designations ending in B relate to classes usually but not always obtained (zinc coating) and subsequent drawing. Classes C and D are standard classes for low mass coating which are usually produced but not exclusively, produced by hot zinc dipping and then wiping

^b A x 3 relates to very high mass requirement three times higher than Class A. Other multiples of Class A are possible, and these classes will be identified in the way, e.g. A x 4

(Page 2, clause 15.2) — Substitute the following for the existing clause:

‘15.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.’

(Page 2, clause 15.2.1) — Delete

(Page 3, Annex A, A-2.1, line 2) — Substitute ‘Table-4’ for ‘Table-3’.

(Page 3, Annex A, Table 3) — Substitute ‘Table-4’ for ‘Table-3’.

(Page 3, Annex A, A-3.1, line 1) — Substitute ‘Table-4’ for ‘Table-3’.

(Page 3, Annex A, A-3.1, line 8) — Substitute ‘Table-4’ for ‘Table-3’.

(Page 3, Annex A, A-3.2, Para 2, line 3) — Substitute ‘Table-4’ for ‘Table-3’.