

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 77.140.65

Wrought Steel Products  
Sectional Committee, MTD 4Last date for receipt of  
comments is **04 Jan 2024***(Page 1, clause 2)* — Delete the following reference:*IS No.**Title*IS 4826 : 1979 Hot-dipped galvanized coatings on round steel wires (*first revision*)*(Page 1, clause 2)* — Insert the following reference at appropriate place:*IS No.**Title*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 minimum mass of galvanized coating of steel wire shall conform to the requirements for any one of the types of coatings given in Table 3. For sizes other than mentioned in Table 3, the minimum mass of galvanized coating of steel wire shall conform to the requirements as agreed to between the manufacturer and the purchaser.'

*(Page 2, Table 3)* — Insert following table after clause 11.1:**Table 3 Coating mass per unit area***(Clause 11.1)*

| Diameter <i>d</i>    | Class            |                  |                  |                  |                  |
|----------------------|------------------|------------------|------------------|------------------|------------------|
| mm                   | A                | AB               | B                | C                | D                |
|                      | g/m <sup>2</sup> | g/m <sup>2</sup> | g/m <sup>2</sup> | g/m <sup>2</sup> | g/m <sup>2</sup> |
| $0.15 \leq d < 0.20$ | -                | -                | 15               | -                | 10               |
| $0.20 \leq d < 0.25$ | 30               | 20               | 20               | 20               | 15               |
| $0.25 \leq d < 0.32$ | 45               | 30               | 30               | 25               | 15               |
| $0.32 \leq d < 0.40$ | 60               | 30               | 30               | 25               | 15               |
| $0.40 \leq d < 0.50$ | 85               | 55               | 40               | 30               | 15               |

|                       |     |     |     |     |    |
|-----------------------|-----|-----|-----|-----|----|
| $0.50 \leq d < 0.60$  | 100 | 70  | 50  | 35  | 20 |
| $0.60 \leq d < 0.70$  | 115 | 80  | 60  | 40  | 20 |
| $0.70 \leq d < 0.80$  | 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 |
| $1.40 \leq d < 1.65$  | 195 | 135 | 100 | 70  | 30 |
| $1.65 \leq d < 1.85$  | 205 | 145 | 100 | 75  | 30 |
| $1.85 \leq d < 2.15$  | 215 | 155 | 115 | 80  | 40 |
| $2.15 \leq d < 2.50$  | 230 | 170 | 125 | 85  | 45 |
| $2.50 \leq d < 2.80$  | 245 | 185 | 125 | 95  | 45 |
| $2.80 \leq d < 3.20$  | 255 | 195 | 135 | 100 | 50 |
| $3.20 \leq d < 3.80$  | 265 | 210 | 135 | 105 | 60 |
| $3.80 \leq d < 4.40$  | 275 | 220 | 135 | 110 | 60 |
| $4.40 \leq d < 5.20$  | 280 | 220 | 150 | 110 | 70 |
| $5.20 \leq d < 8.20$  | 290 |     |     | 110 | 80 |
| $8.20 \leq d < 10.00$ | 300 |     |     | 110 | 80 |

(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’.