

For Comments only

DRAFT *Indian Standard*

TOWING HOOKS PART I: SCALE OF TRACTIVE EFFORTS

[First Revision of IS 8820 (Part 1)]

(ICS no 47.060)

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Inland Harbour Crafts and Fishing Vessels Sectional Committee TED 18

FOREWORD

This draft Indian Standard (Part 1) (First Revision) will be adopted by the Bureau of Indian Standards on the recommendation of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and approval of the Transport Engineering Division Council.

This standard was first published in 1978. This first revision is being undertaken to update the standard by incorporating towing hooks with higher towing capacity. The salient features of this first revision are:

- a) The standard has been drafted as per latest drafting guidelines.
- b) Table 1 has been updated by incorporating towing hooks with higher towing capacity.

The nominal tractive efforts of towing hooks creates the basis for standardization of towing hooks and towing arrangement details.

Part II of this standard will cover general requirements of towing hooks.

The composition of the committee responsible for formulation of this standard is given as Annex A.

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*).⁷ The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1 SCOPE

This standard (Part 1) specifies the scale of tractive efforts applicable to towing hooks used on tugs of all types and purposes.

2. TERMINOLOGY

For the purpose of this standard, the following definition shall apply.

2.1 Nominal Tractive Effort — Traction developed by a harbour tug while mooring or by a line tug when towing at the speed of 5 knots (9 km/h).

3. SCALE OF TRACTIVE EFFORTS

3.1 The values of tractive effort shall be as given in Table 1.

TABLE 1 NOMINAL TRACTIVE EFFORT
(Clause 3.1)

kN	tf
6.3	0.63
10	1.0
.16	1.6
25	2.5
40	4.0
63	6.3
100	10.0
160	16.0
220	22.0
320	32.0
400	40.0
450	45.0
500	50.0

TABLE 1 (*Concluded*)

kN	tf
550	55.0
600	60.0
650	65.0
700	70.0
800	80.0
1000	100.0