

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 844-2 (1979): Screwdrivers, Part II: Dimensions [PGD 5: Assembly Hand Tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR SCREWDRIVERS

PART II DIMENSIONS

(Second Revision)

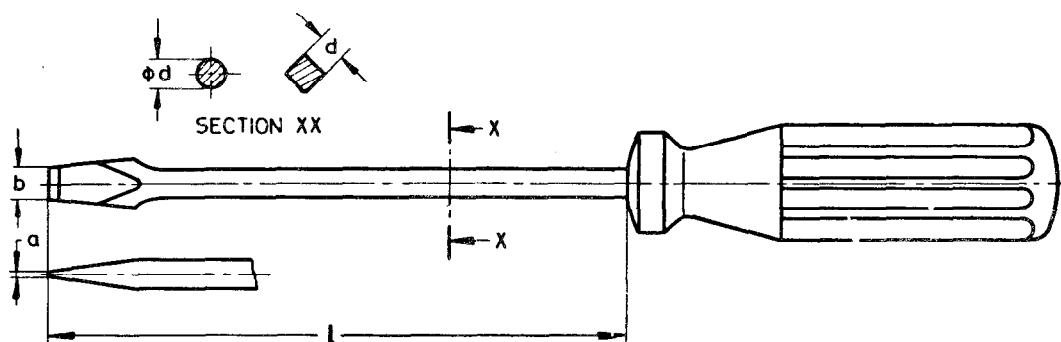
1. **Scope** — Covers dimensions and other requirements for the following types of screwdrivers:

- Engineers' screwdrivers,
- Electricians' screwdrivers,
- Medium grip screwdrivers,
- Short grip screwdrivers,
- Screwdrivers with hexagon, and
- Offset screwdrivers.

2. **Material, Hardness, Point Types and Dimensions, General Requirements, Finish, Tests and Sampling** — In accordance with IS : 844 (Part I)-1979 'Specification for screwdrivers: Part I Technical supply conditions (second revision)'.

3. Dimensions

3.1 Engineers' Screwdrivers



All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min		$l \pm 5$	Handle Sizes*
	Round	Square		
0.6 × 5.0	5	—	75	L 80
0.6 × 5.0	5	—	100	L 80
0.8 × 5.5	5	—	100	L 90
0.8 × 5.5	5	—	125	L 90
1.0 × 6.5	6	6	125	L 100
1.0 × 6.5	6	—	150	L 100
1.2 × 8.0	7	7	150	L 110
1.2 × 8.0	7	—	175	L 110
1.6 × 10.0	—	8	175	L 120
1.6 × 10.0	8	—	200	L 110
1.6 × 10.0	8	—	250	L 110
2.0 × 13.0	9	—	250	L 110
2.0 × 13.0	9	—	300	L 110
2.0 × 13.0	—	10	200	L 120
2.5 × 16.0	11	—	250	L 120
2.5 × 16.0	11	—	300	L 120
3.0 × 14.0	10	—	250	L 120
3.0 × 14.0	10	—	300	L 120
4.0 × 22.0	16	—	300	L 120
4.0 × 22.0	16	—	350	L 120
5.0 × 25.0	16	—	300	L 120
5.0 × 25.0	16	—	350	L 120

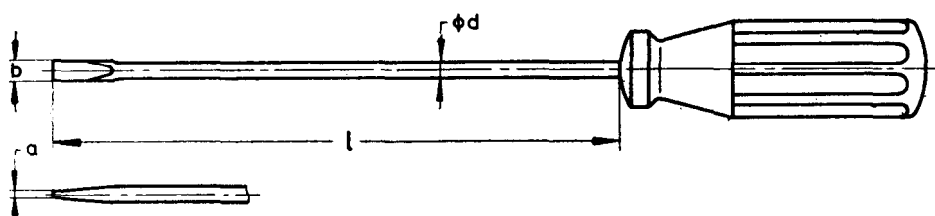
*See IS : 844 (Part I)-1979.

Adopted 30 July 1979

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3.2 Electricians' Screwdrivers

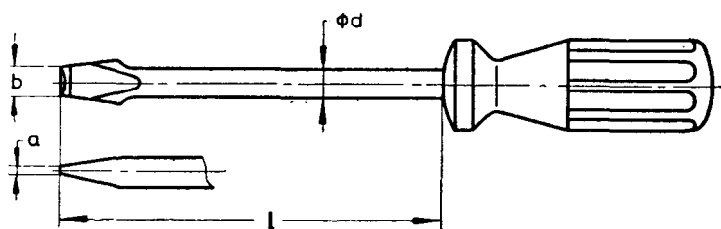


All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min	$l \pm 5$	Handle Sizes*
0.4 × 1.6	1.5	50	L 60
0.4 × 2.5	2.5	50	L 60
0.5 × 3.5	3.0	75	L 70
0.6 × 4.0	4.0	100	L 70
0.6 × 4.0	4.0	125	L 70
0.6 × 5.0	4.0	150	L 80
0.8 × 5.5	5.0	200	L 90
0.8 × 5.5	5.0	250	L 90

*See IS : 844 (Part I)-1979.

3.3 Medium Grip Screwdrivers

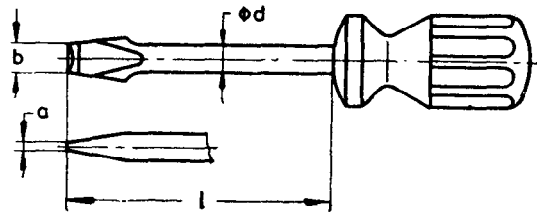


All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min	$l \pm 5$	Handle Sizes*
0.8 × 5.5	5.0	100	M 70
1.0 × 6.5	6.0	100	M 70
1.2 × 8.0	7.0	100	M 70

*See IS : 844 (Part I)-1979.

3.4 Short Grip Screwdrivers

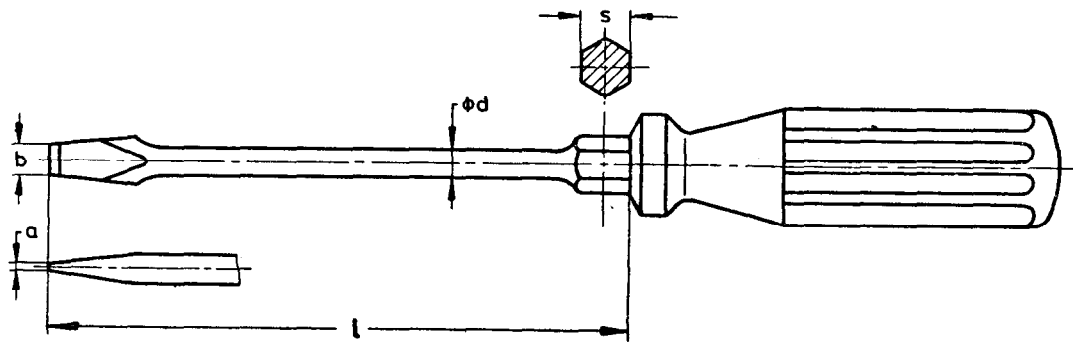


All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min		$l \pm 5$	Handle Sizes*
	Round	Square		
0.4 × 2.5	2.5	—	25	S 25
0.5 × 3.5	3.0	—	25	S 25
0.8 × 5.5	5.0	—	50	S 50
0.8 × 5.5	5.0	—	70	S 50
0.8 × 5.5	—	5	100	S 50
1.0 × 6.5	6.0	—	50	S 50
1.0 × 6.5	6.0	—	70	S 50
1.2 × 8.0	7.0	—	50	S 50
1.2 × 8.0	7.0	—	70	S 50

*See IS : 844 (Part I)-1979.

3.5 Screwdrivers with Hexagon

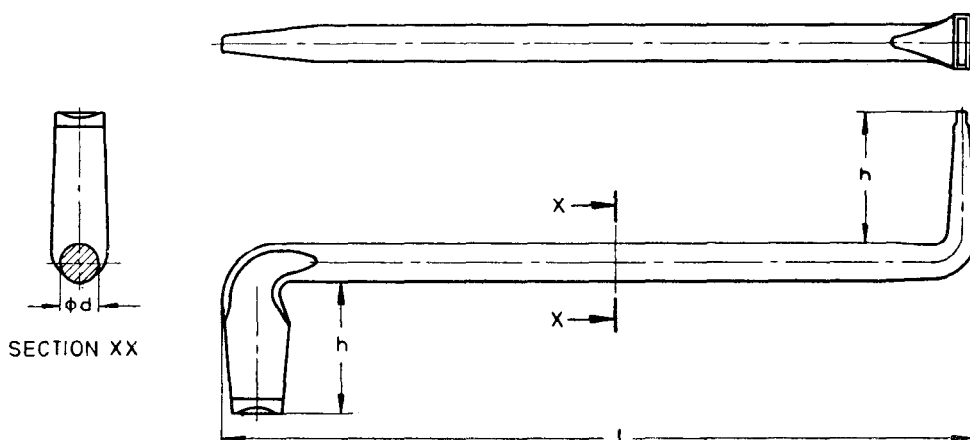


All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min	$l \pm 5$	Handle Sizes*	Width Across Flats of Hexagon (s)
1.0 × 6.5	6	125	L 100	10
1.2 × 8.0	7	150	L 110	13
1.6 × 10.0	8	175	L 110	13
2.0 × 13.0	9	200	L 110	17
2.5 × 16.0	11	250	L 120	17

*See IS : 844 (Part I)-1979.

3.6 Offset Screwdrivers



All dimensions in millimetres.

Nominal Screwdriver Point Size $a \times b$	d Min	$l \pm 5$	$h \pm 3$
0.6 × 4.0	4	75	15
0.8 × 5.5	5	100	15
1.0 × 6.5	6	125	20
1.2 × 8.0	7	150	25
1.6 × 10.0	8	175	30
2.0 × 13.0	9	200	35
2.5 × 16.0	11	250	35

3.7 The shape of the blade points shall conform to IS : 844 (Part I)-1979.

Note — Unless otherwise specified by the purchaser, the shape of the screwdriver point shall conform to Type 3 of IS : 844 (Part I)-1979.

4. Designation — The screwdrivers shall be designated by:

- Commonly used name,
- Nominal screwdriver point size,
- Blade length, and
- Number of this standard.

4.1 An engineers' screwdriver of point size 1.0 × 6.5 mm and blade length of 150 mm shall be designated as:

Engineers' screwdriver 1.0 × 6.5 × 150, IS : 844 (Part II)

EXPLANATORY NOTE

This standard was first published in 1962 and revised in 1972. The present revision has been taken up to incorporate modifications so as to bring the standard in line with the modern manufacturing techniques.

In this revision, the cabinet, flat blade (London pattern) and motor types of screwdrivers have been deleted because they do not serve any special purpose, and screwdrivers with hexagon have been added. New perfect screwdrivers and stubby screwdrivers have been substituted with medium grip screwdrivers and shortgrip screwdrivers.

Screwdriver point sizes have been rationalised. The dimensions of wooden handles have been deleted and that of plastics handles have been specified.

While preparing this standard assistance has been derived from DIN 5200-1973 Winkelschraubendreher für kopfschrauben mit schlitz (screwdrivers for slotted head screws, double offset) and DIN 5265-1973 Schraubendreher für kopfschrauben mit Schlitz (Screwdrivers for slotted head screws) issued by Deutsches Institut für Normung (DIN).