

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

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 5370 (1969): Plain Washers with Outside Diameter 3 X  
Inside Diameter [PGD 31: Bolts, Nuts and Fasteners  
Accessories]



“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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**AMENDMENT NO. 1    JUNE 1979**  
**TO**  
**IS : 5370-1969 SPECIFICATION FOR PLAIN WASHERS WITH**  
**OUTSIDE DIAMETER  $\approx 3 \times$  INSIDE DIAMETER**

**Alterations**

( Page 1, Table in clause 3, entries under column 's', against 'Nominal Sizes 5.3 and 6.4 ) — Substitute '1.6' for '1.5' at both the places.

( Page 1, clause 6 ) — Substitute the following for the existing clause:

**"8. Other Requirements — Other requirements for machined and unmachined washers not covered in this standard, shall conform to precision and ordinary washers respectively, as specified in IS : 5369-1975 'General requirements for plain washers and lock washers (first revision)'."**

( Page 1, foot-note with '\*' mark ) — Delete.

(EDC 27)

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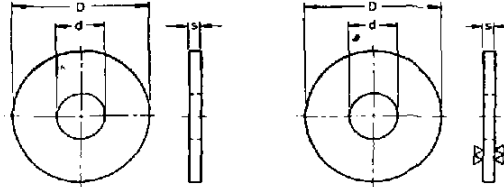
Reprography Unit, BIS, New Delhi, India

## Indian Standard

SPECIFICATION FOR PLAIN WASHERS WITH  
OUTSIDE DIAMETER  $\approx 3 \times$  INSIDE DIAMETER

1. **Scope** — The requirements for plain washers with outside diameter approximately equal to thrice inside diameter.

2. **Types** — The washers shall be of two types, namely, Type A Washers which are unmachined; and Type B Washers which are machined.

3. **Dimensions**

TYPE A UNMACHINED

TYPE B MACHINED

All dimensions in millimetres.

Nominal Size <i>d</i>	<i>D</i>	<i>s</i>	For Bolt Size
(2.5) 2.8 3.2	7 8 9	0.8 0.8 0.8	M2.2 M2.5 M3
(3.7) 4.3 5.3	11 12 15	0.8 1 1.5	M3.5 M4 M5
6.4 (7.4) 8.4	18 22 25	1.5 2 2	M6 M7 M8
10.5 13 (15)	30 40 45	2.5 3 3	M10 M12 M14
17 19 21	50 56 60	3 4 4	M16 M18 M20

Note — Sizes in brackets are of second preference.

4. **Material** — Washers covered in this standard shall be made from steel, brass, aluminium or any other suitable material as specified by the purchaser.

5. **Designation** — The washers shall be designated by the type, nominal size, the number of this standard and material.

*Example:*

A plain washer (outside diameter  $\approx 3 \times$  inside diameter) of Type B having a nominal size of 4.3 mm and made of steel shall be designated as:

Washer B 4.3 IS: 5370 Steel.

6. **Other Requirements** — Other requirements for the plain washers not covered in this standard, shall conform to IS: 5369-1969\*.

\*General requirements for plain washers and lock washers.

This standard is based on DIN 9021-1956.

Adopted 29 September 1969

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