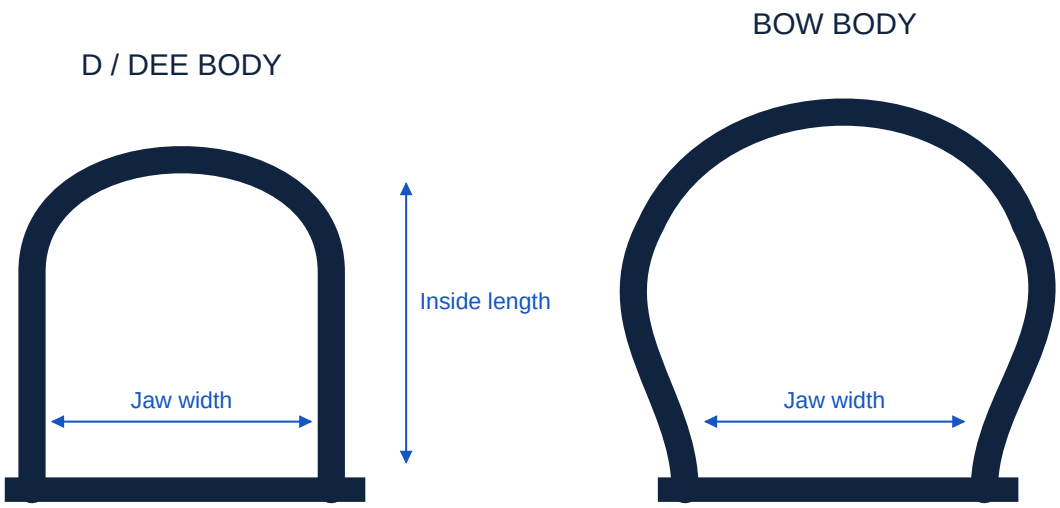
D and Bow Shackles | Dimensions & RFQ

Standard-reference guide - revision 14 November 2026

Choose a D or bow shackle by the approved load path, connection width, body and pin geometry, retention method and rated duty. Lohar Forging accepts manufacturing enquiries in India against the required pattern or customer drawing. A wider bow is not automatically a higher-capacity shackle.

D AND BOW SHACKLES | DIMENSION KEY

Identification schematic - not to scale



Body and pin diameters must be specified separately

Pin diameter is not the nominal body size

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D shackles have a relatively narrow in-line body; bow shackles provide a wider curved body. Measure body diameter, pin diameter, jaw width and inside length separately. Screw-pin, safety-bolt and round-pin assemblies need the matching body and securing system. Do not mix pins from different models or use a dimensional reference as proof of lifting suitability.

Custom manufacturing follows the customer-approved drawing. Email sales@loharforging.com or send the layout on WhatsApp to +91 98330 72266.

D shackle geometry: DIN 82101 screw-pin reference

DIN 82101 pattern | Dimensions in mm; nominal reference values

The body diameter and pin diameter can differ. Read inside width and length from the drawing rather than selecting on thread size alone.

Body diameter	Pin diameter	Inside width	Inside length
5	5	7	15.5
6	6	8	18
8	8	11	24
10	10	14	30
12	12	17	36
13	16	21	49
16	20	27	61
20	22	30	67

Geometry does not establish working load limit. For lifting, obtain the rating, permitted loading direction, installation instructions and test documentation for the exact body-and-pin or lifting-point assembly. Do not calculate a safe working load from this table. Values are a selected published screw-pin geometry reference, not universal dimensions for every D shackle or standard edition. Match the approved pattern before ordering. Dimensions are nominal reference values, not a stock list or a guarantee that every material/size combination is available. Specify the named standard and edition, material, finish and quantity in your enquiry. Manufacturing and inspection follow the agreed order or approved drawing.

Reference: Open the published DIN 82101 pattern dimensional reference

Bow shackle geometry: published screw-pin reference

Screw-pin bow pattern | Dimensions in inches; published reference pattern

Dimensions in this table are inches, not mm. For conversion, multiply an inch value by 25.4. Reference geometry does not transfer the source manufacturer's rating or approvals.

Nominal body size (in)	Jaw width A (in)	Pin diameter B (in)	Inside length C (in)
3/8	0.66	0.44	1.45
7/16	0.75	0.50	1.69
1/2	0.81	0.62	1.88
5/8	1.06	0.75	2.38
3/4	1.25	0.88	2.81
7/8	1.44	1.00	3.31

Geometry does not establish working load limit. For lifting, obtain the rating, permitted loading direction, installation instructions and test documentation for the exact body-and-pin or lifting-point assembly. Do not calculate a safe working load from this table. Source geometry is the published Crosby G-209 pattern, provided for comparison; this does not identify a Lohar part as a Crosby product or certify equivalence. Other bow patterns can differ. Confirm the ordered geometry. Dimensions are nominal reference values, not a stock list or a guarantee that every material/size combination is available. Specify the named standard and edition, material, finish and quantity in your enquiry. Manufacturing and inspection follow the agreed order or approved drawing.

Reference: Open the published Screw-pin bow pattern dimensional reference

Send your drawing or standard requirement

Custom dimensions come from your layout. The following fields help us review the requirement and prepare a quotation.

1. D or bow shape and exact pattern/model

2. Body and pin diameters

3. Inside width and inside length

4. Pin retention method, material and finish

5. Rated duty, load direction, documents and quantity

Contact

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Guide: https://loharforging.com/d-shackle-bow-shackle-manufacturer-india.php

Order documents

State the required material, dimensional, coating and test documentation before quotation. Product ratings, conformity and certificate scope must refer to the exact order. This reference guide is not a test certificate or manufacturing approval.