

# PRODUCT DATASHEET FOR SCREW PIN BOW SHACKLES

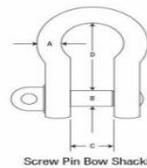
## MODEL: TL 209 / TL 210

Toyolift Shackles are used in lifting actions and static systems as removable links to connect (steel) wire rope, chain, and other fittings. Screw pin shackles (TL209 and TL210) are used mainly for non-permanent applications. Chain- or dee shackles are mainly used on one-leg systems whereas anchor- or bow shackles are mainly used on multi-leg systems. Toyolift offers a wide range of bow and dee shackles for a wide variety of applications. Most of the shackles are directly available from stock.

### PRODUCT DETAILS

- Hot dipped galvanized.
- Marked with manufacturers mark, size, grade, ID mark and W.L.L.
- Proof load tested to 2 times of the W.L.L.
- Suitable for overhead lifting.
- Designed for frequent, non-permanent applications.
- Forges-Quenched and Tempered with alloy pin.
- Working Load Limit and grade "6" permanently shown on every shackle.
- Minimum breaking load is 6 times the W.L.L.
- TL Shackles can be furnished proof tested with certificates.
- Fatigue rated.
- Meets or exceeds all requirements of ASME B30.26.

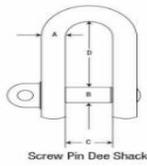
SCREW PIN BOW SHACKLES  
TL-209



Screw Pin Bow Shackle



SCREW PIN DEE SHACKLES  
TL-210



Screw Pin Dee Shackle



**STANDARD: IN ACCORDANCE WITH EN 13889**

**THESE ITEMS MEET THE PERFORMANCE REQUIREMENTS OF US FED SPECIFICATION**

TECHNICAL PARAMETERS							
FORGED ALLOY STEEL AND HOT DIP GALVANIZED, TOYOLIFT RED COLOR SCREW PIN SHACKLES, TESTED AND CERTIFIED							
Size	S.W.L.	A	B Pin Dia.	C	D BOW	DEE	Weight Kgs/each
Inch	Tons	mm	mm	mm	mm	mm	
3/8"	1	9.5	11	17	36.5	32	0.15
7/16"	1.5	11	12	18	42.5	36.5	0.21
1/2"	2	12.7	16	20.6	47.3	41.3	0.37
5/8"	3.25	16	19.8	27	60.5	51	0.65
3/4"	4.75	19	22	32	71.5	62	1.04
7/8"	6.5	21.7	27	36.6	84	74.8	1.56
1"	8.5	25.4	30	43	96	81	2.32
1 1/8"	9.5	28.5	33	46	108	90	3.28
1 1/4"	12	31.5	36	51.6	119	100.8	4.51
1 3/8"	13.5	34.9	39	57	133.5	112.5	5.93
1 1/2"	17	38	42	60	147	125	7.89
1 3/4"	25	44	52	73	178	146.5	13.4
2"	35	50	56	82	197	171	18.85
2 1/2"	55	63.5	68	105	267.5	203	37.86