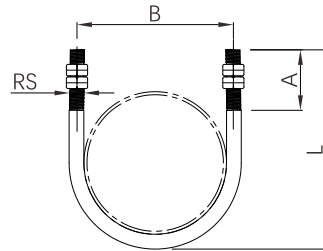


Standard U-bolt

Standard U-bolt from TPMC is a U-shaped rod with threaded ends, typically supplied with 4 hex nuts to form a complete clamping assembly. It is designed for heavy-duty applications, firmly securing pipes to supporting structure like I-beam, channel, or trapeze assembly to provide reliable support, anchoring, and guidance for piping systems.



- Certificate: UL Listed
- Standard: NFPA 13, MSS SP-58 (Type 24)
- Material: CS per ASTM A307 / ISO 898-1
SS per 304 / 316
- Temperature: Max 343°C
- Thread: Imperial, UNC, Class 2A per ASME B1.1
Metric, coarse thread, 6g per ISO 965-1
- Surface: CS, electro-galvanized / hot-dip galvanized
SS, as processed / passivated



Available sizes (Source 1 with UL Listed)

Pipe size		Rod size (RS)		Dimension (mm)			Max rec. load (lbs)	Ref. No.
NPS	DN	Imperial	Metric	L	A	B		
1/2"	15	3/8"	M10	80	50	32	1090	P8101 (UL)
3/4"	20	3/8"	M10	91	50	38	1090	P8102 (UL)
1"	25	3/8"	M10	100	50	45	1090	P8103 (UL)
1-1/4"	32	3/8"	M10	104	64	54	1090	P8104 (UL)
1-1/2"	40	3/8"	M10	110	64	60	1090	P8105 (UL)
2"	50	3/8"	M10	123	64	72	1090	P8106 (UL)
2-1/2"	65	1/2"	M12	144	76	90	2020	P8107 (UL)
3"	80	1/2"	M12	158	76	103	2020	P8108 (UL)
4"	100	1/2"	M12	183	76	128	2020	P8109 (UL)
5"	125	1/2"	M12	210	76	155	2020	P8110 (UL)
6"	150	5/8"	M16	256	85	188	3230	P8111 (UL)
8"	200	5/8"	M16	307	85	238	3230	P8112 (UL)
10"	250	3/4"	M20	370	102	296	4830	P8113 (UL)
12"	300	3/4"	M20	398	102	347	4830	P8114 (UL)

Note:

1. Load ratings are based on carbon steel material, minimum safety factor 5:1, and are valid at normal ambient temperature.
2. Supplied as a complete set: U-bolt and 4 hex nuts. Upon request, also available with 4 nuts + 2 washers, 2 nuts + 2 washers, or 2 nuts only.

Standard U-bolt

Available sizes (Source 2 with ISO)

Pipe size		Rod size (RS)		Dimension (mm)			Max rec. load (lbs)	Ref. No.
NPS	DN	Imperial	Metric	L	A	B		
1/2"	15	3/8"	M10	65	38	32	1090	P8121 (ISO)
3/4"	20	3/8"	M10	70	40	40	1090	P8122 (ISO)
1"	25	3/8"	M10	76	40	48	1090	P8123 (ISO)
1-1/4"	32	3/8"	M10	86	50	56	1090	P8124 (ISO)
1-1/2"	40	1/2"	M12	92	50	62	2020	P8125 (ISO)
2"	50	1/2"	M12	109	50	76	2020	P8126 (ISO)
2-1/2"	65	1/2"	M12	125	50	94	2020	P8127 (ISO)
3"	80	1/2"	M12	138	50	106	2020	P8128 (ISO)
4"	100	5/8"	M16	171	60	136	3230	P8129 (ISO)
5"	125	5/8"	M16	191	60	164	3230	P8130 (ISO)
6"	150	5/8"	M16	217	60	192	3230	P8131 (ISO)
8"	200	3/4"	M20	283	70	248	4830	P8132 (ISO)
10"	250	3/4"	M20	334	70	302	4830	P8133 (ISO)
12"	300	3/4"	M20	385	70	352	4830	P8134 (ISO)
14"	350	1"	M24	435	70	402	6790	P8135 (ISO)
16"	400	1"	M24	487	70	452	6790	P8136 (ISO)
18"	450	1"	M24	526	70	493	6790	P8137 (ISO)
20"	500	1"	M24	589	70	554	6790	P8138 (ISO)
24"	600	1"	M24	652	70	615	6790	P8139 (ISO)

- Note:**
1. Load ratings are based on carbon steel material, minimum safety factor 5:1, and are valid at normal ambient temperature.
 2. Supplied as a complete set: U-bolt and 4 hex nuts. Upon request, also available with 4 nuts + 2 washers, 2 nuts + 2 washers, or 2 nuts only.