



**Description:** Safety clamps consist of tapered segments that wedge onto a tubular when the clamp is tightened. They help prevent slick or small upset tubulars from dropping downhole.

Part Number	Cross Reference	OD Range in (mm)	Links Req'd	Dies Req'd	Weight lbs (kg)
<b>MP-S</b>					
33030 (less box)	31-009	2-7/8 - 4-1/8 (73.0 - 104.8)	7	8	126 (57.2)
33031 (less box)	31-010	4 - 5 (101.6 - 127)	8	9	133 (60.3)
<b>MP-R</b>					
33011 (less box)	31-011	4-1/2 - 5-5/8 (114 - 142.9)	7	8	120 (54.4)
33012 (less box)	31-012	5-1/2 - 7 (139.7 - 177.8)	8	9	130 (59.0)
33013 (less box)	31-013	6-3/4 - 8-1/4 (171.5 - 209.6)	9	10	138 (62.6)
33014 (less box)	31-014	8 - 9-1/4 (203.2 - 235.0)	10	11	147 (66.7)
33015 (less box)	31-015	9-1/4 - 10-1/2 (235.0 - 266.7)	11	12	155 (70.3)
<b>MP-M</b>					
33016 (less box)	31-016	10-1/2 - 11-1/2 (266.7 - 292.1)	12	13	163 (73.9)
33017 (less box)	31-017	11-1/2 - 12-1/2 (292.1 - 317.5)	13	14	171 (77.6)
33018 (less box)	31-018	12-1/2 - 13-5/8 (317.5 - 346.1)	14	15	179 (81.2)
33019 (less box)	31-019	13-5/8 - 14-3/4 (346.1 - 374.7)	15	16	187 (84.8)
33020 (less box)	31-020	14-3/4 - 15-7/8 (374.7 - 403.2)	16	17	195 (88.5)
<b>MP-L</b>					
33021 (less box)	31-021	15-7/8 - 17 (403.2 - 431.8)	17	18	215 (97.5)
33022 (less box)	31-022	17 - 18-1/2 (431.8 - 469.9)	18	19	223 (101)
33023 (less box)	31-023	18-1/8 - 19-3/8 (460.4 - 492.1)	19	20	231 (105)

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<b>MP-XL</b>					
33024 (less box)	31-024	19-3/8 - 20-3/8 (492.1 - 517.5)	19	20	280 (127)
33025 (less box)	31-025	20-3/8 - 21-1/2 (517.5 - 546.1)	20	21	288 (131)
33032 (less box)	31-032	21 - 22-5/8 (533.4 - 574.7)	21	22	296 (134)
33033 (less box)	31-033	22-5/8 - 23-3/4 (574.7 - 603.3)	22	23	304 (138)
33034 (less box)	31-034	23-3/4 - 24-7/8 (603.3 - 631.8)	23	24	312 (142)
33035 (less box)	31-035	24-7/8 - 26 (631.8 - 660.4)	24	25	320 (145)
33036 (less box)	31-036	26 - 27-1/8 (660.4 - 689.0)	25	26	326 (148)
33039 (less box)	31-039	29-3/8 - 30-1/2 (746.1 - 774.7)	28	29	336 (152)
<b>Replacement Parts</b>		<b>Description</b>			
3335	31-335	Link Complete (MP-S)			9.0 (4.1)
3319	31-319	Link Complete (All Except MP-S)			8.8 (4.0)
3307	31-307	Link Pin with Cotter			0.8 (0.36)
3306	31-306	Link with Cotter			4.5 (2.0)
3325	31-325	Carrier Assembly with Die (MP-S)			3.0 (1.4)
3324	31-324	Carrier Assembly with Die (All Except MP-S)			2.5 (1.1)
3333	31-333	Die with Cotter (MP-S)			1.5 (0.7)
3310	31-310	Die with Cotter (All Except MP-S)			1.0 (0.45)
3309	31-309	Carrier less Die			2.5 (1.1)
3311	31-311	Spring			0.1 (0.05)
51604-18	31-418	Roll Pin (Die Keeper)			0.1 (0.05)
51405-28	31-528	Cotter Pin for Carrier			0.2 (0.1)
3318	31-318	Side Bar Links (Set of 2)			2.5 (1.1)
3304	31-304	Latch Link (All Except MP-XL)			7.0 (3.2)
3321	31-321	Latch Link (MP-XL)			14 (6.4)
3308	31-308	Screw Pin with Cotter			0.5 (0.23)
3315	31-315	Screw Pin Bushing			0.3 (0.14)
51405-10	31-510	Cotter for Link Pin			0.1 (0.05)
3302	31-302	Screw			5.3 (2.4)
2714	31-714	Thrust Washer			1.0 (0.45)
3303	31-303	Nut			3.5 (1.6)
3305	31-305	Handle			4.5 (2.0)
3316	31-316	Hold Down Lug			5.8 (2.6)
3317	31-317	Lifting Eye			4.8 (2.2)
3320	31-320	Nut Wrench			5.0 (2.3)

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