

### 3151 PATCH CLAMP

**PANEL:** Type 304 (18-8) Stainless Steel per ASTM A240.

**GASKET:** Molded Waffle NBR design from 100% new rubber to ensure performance under varying pressures with superior storage characteristics. Suitable for oil, mild acids, water, salt media and most aliphatic hydrocarbon fluids with a temperature range of -25°F to +248°F.

**BOLTS & NUTS:** Carbon Steel per ASTM A307, with electrogalvanized dichromate finish for added corrosion resistance. Optional Stainless Steel available.

**LUGS:** Ductile Iron per ASTM A536 with electro-galvanized finish.



Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1/2	15	0.84	21	PS	3	80	3151005030WA	\$ 12.70
				SS			3151005030IW	\$ 31.90
				PS	6	150	315005060WA	\$ 23.50
				SS			3151005060IW	\$ 57.50
				PS	9	230	3151005090WA	\$ 38.00
				SS			3151005090IW	\$ 99.40
				PS	12	300	3151005120WA	\$ 52.40
				SS			3151005120IW	\$ 133.20
3/4	20	1.05	27	PS	3	80	3151007030WA	\$ 12.90
				SS			3151007030IW	\$ 32.40
				PS	6	150	3151007060WA	\$ 24.10
				SS			3151007060IW	\$ 58.10
				PS	9	230	3151007090WA	\$ 41.00
				SS			3151007090IW	\$ 102.40
				PS	12	300	3151007120WA	\$ 54.00
				SS			3151007120IW	\$ 137.40
1	25	1.32	34	PS	3	80	3151010030WA	\$ 14.20
				SS			3151010030IW	\$ 33.80
				PS	6	150	3151010060WA	\$ 25.60
				SS			3151010060IW	\$ 59.70
				PS	9	230	3151010090WA	\$ 43.20
				SS			3151010090IW	\$ 105.60
				PS	12	300	3151010120WA	\$ 55.80
				SS			3151010120IW	\$ 141.50
1 1/4	32	1.66	42	PS	3	80	3151012030WA	\$ 14.50
				SS			3151012030IW	\$ 34.00
				PS	6	150	3151012060WA	\$ 27.00
				SS			3151012060IW	\$ 61.10
				PS	9	230	3151012090WA	\$ 44.50
				SS			3151012090IW	\$ 108.90
				PS	12	300	3151012120WA	\$ 57.40
				SS			3151012120IW	\$ 145.90

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Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
1 1/2	40	1.90	48	PS	3	80	3151015030WA	\$ 15.70
				SS			3151015030IW	\$ 29.30
				PS	6	150	3151015060WA	\$ 38.20
				SS			3151015060IW	\$ 73.30
				PS	9	230	3151015090WA	\$ 45.90
				SS			3151015090IW	\$ 112.30
				PS	12	300	3151015120WA	\$ 59.20
				SS			3151015120IW	\$ 150.40
2	50	2.00	51	PS	3	80	3151020030WX	\$ 16.90
				SS			3151020030IWX	\$ 38.90
				PS	6	150	3151020060WX	\$ 30.80
				SS			3151020060IWX	\$ 75.80
				PS	9	230	3151020090WX	\$ 46.00
				SS			3151020090IWX	\$ 115.70
				PS	12	300	3151020120WX	\$ 61.00
				SS			3151020120IWX	\$ 155.10
2	50	2.38	60	PS	3	80	3151020030WA	\$ 17.00
				SS			3151020030IW	\$ 39.60
				PS	6	150	3151020060WA	\$ 30.80
				SS			3151020060IW	\$ 76.20
				PS	9	230	3151020090WA	\$ 47.20
				SS			3151020090IW	\$ 117.30
				PS	12	300	3151020120WA	\$ 62.60
				SS			3151020120IW	\$ 156.10
2 1/2	65	2.88	73	PS	3	80	3151025030WA	\$ 21.30
				SS			3151025030IW	\$ 44.70
				PS	6	150	3151025060WA	\$ 42.50
				SS			3151025060IW	\$ 87.50
				PS	9	230	3151025090WA	\$ 63.20
				SS			3151025090IW	\$ 131.90
				PS	12	300	3151025120WA	\$ 85.50
				SS			3151025120IW	\$ 176.40
3	80	3.00	76	PS	3	80	3151030030WX	\$ 21.40
				SS			3151030030IWX	\$ 45.00
				PS	6	150	3151030060WX	\$ 44.10
				SS			3151030060IWX	\$ 90.60
				PS	9	230	3151030090WX	\$ 69.30
				SS			3151030060IWX	\$ 136.20
				PS	12	300	3151030120WX	\$ 94.20
				SS			3151030120IWX	\$ 184.10

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Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
3	80	3.50	89	PS	3	80	3151030030WA	\$ 22.40
				SS			3151030030IW	\$ 46.70
				PS	6	150	3151030060WA	\$ 45.00
				SS			3151030060IW	\$ 93.80
				PS	9	230	3151030090WA	\$ 74.10
				SS			3151030090IW	\$ 144.30
				PS	12	300	3151030120WA	\$ 100.80
				SS			3151030120IW	\$ 194.50
4	100	4.00	102	PS	3	80	3151040030WX	\$ 24.10
				SS			3151040030IW	\$ 47.30
				PS	6	150	3151040060WX	\$ 46.70
				SS			3151040060IW	\$ 95.00
				PS	9	230	3151040090WX	\$ 74.70
				SS			3151040090IW	\$ 146.60
				PS	12	300	3151040120WX	\$ 102.50
				SS			3151040120IW	\$ 197.40
4	100	4.50	114	PS	3	80	3151040030WA	\$ 25.90
				SS			3151040030IW	\$ 58.00
				PS	6	150	3151040060WA	\$ 48.00
				SS			3151040060IW	\$ 100.00
				PS	9	230	3151040090WA	\$ 89.90
				SS			3151040090IW	\$ 160.90
				PS	12	300	3151040120WA	\$ 120.30
				SS			3151040120IW	\$ 216.30
5	125	5.00	127	PS	3	80	3151050030WX	\$ 28.90
				SS			3151050030IW	\$ 59.00
				PS	6	150	3151050060WX	\$ 57.30
				SS			3151050060IW	\$ 104.50
				PS	9	230	3151050090WX	\$ 98.00
				SS			3151050090IW	\$ 167.20
				PS	12	300	3151050120WX	\$ 130.60
				SS			3151050120IW	\$ 222.70
5	125	5.56	141	PS	3	80	3151050030WA	\$ 29.30
				SS			3151050030IW	\$ 60.70
				PS	6	150	3151050060WA	\$ 58.10
				SS			3151050060IW	\$ 106.00
				PS	9	230	3151050090WA	\$ 98.30
				SS			3151050090IW	\$ 168.70
				PS	12	300	3151050120WA	\$ 131.40
				SS			3151050120IW	\$ 223.50

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Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
6	150	6.00	152	PS	3	80	3151060030WX	\$ 30.30
				SS			3151060030IWX	\$ 63.90
				PS	6	150	3151060060WX	\$ 58.80
				SS			3151060060IWX	\$ 107.70
				PS	9	230	3151060090WX	\$ 98.70
				SS			3151060090IWX	\$ 172.40
				PS	12	300	3151060120WX	\$ 132.00
				SS			3151060120IWX	\$ 228.50
6	150	6.25	159	PS	3	80	3151060030WX	\$ 30.40
				SS			3151060030IWX	\$ 63.90
				PS	6	150	3151060060WX	\$ 58.70
				SS			3151060060IWX	\$ 107.70
				PS	9	230	3151060090WX	\$ 98.70
				SS			3151060090IWX	\$ 172.40
				PS	12	300	3151060120WX	\$ 132.00
				SS			3151060120IWX	\$ 228.50
6	150	6.63	168	PS	3	80	3151060030WA	\$ 30.90
				SS			3151060030IW	\$ 65.70
				PS	6	150	3151060060WA	\$ 60.40
				SS			3151060060IW	\$ 109.10
				PS	9	230	3151060090WA	\$ 101.80
				SS			3151060090IW	\$ 174.20
				PS	12	300	3151060120WA	\$ 136.40
				SS			3151060120IW	\$ 234.00
8	200	8.00	203	PS	3	80	3151080030WX	\$ 34.20
				SS			3151080030IWX	\$ 66.60
				PS	6	150	3151080060WX	\$ 66.90
				SS			3151080060IWX	\$ 115.30
				PS	9	230	3151080090WX	\$ 107.30
				SS			3151080090IWX	\$ 180.00
				PS	12	300	3151080120WX	\$ 157.30
				SS			3151080120IWX	\$ 255.50
8	200	8.63	219	PS	3	80	3151080030WA	\$ 36.20
				SS			3151080030IW	\$ 68.90
				PS	6	150	3151080060WA	\$ 70.30
				SS			3151080060IW	\$ 119.10
				PS	9	230	3151080090WA	\$ 111.00
				SS			3151080090IW	\$ 183.80
				PS	12	300	3151080120WA	\$ 172.70
				SS			3151080120IW	\$ 270.30

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Nominal Pipe Size		Pipe OD Range		BOLTS	Width		Part Number	Price List
Custom Sizes and Ranges Available					Inches	MM		
Inches	MM	Inches	MM					
10	250	10.00	254	PS	3	80	3151100030WX	\$ 66.30
				SS			3151100030IWX	\$ 104.50
				PS	6	150	3151100060WX	\$ 136.30
				SS			3151100060IWX	\$ 185.90
				PS	9	230	3151100090WX	\$ 224.70
				SS			3151100090IWX	\$ 287.40
				PS	12	300	3151100120WX	\$ 293.10
				SS			3151100120IWX	\$ 392.00
10	250	10.75	273	PS	3	80	3151100030WA	\$ 66.60
				SS			3151100030IW	\$ 113.80
				PS	6	150	3151100060WA	\$ 137.90
				SS			3151100060IW	\$ 187.30
				PS	9	230	3151100090WA	\$ 225.30
				SS			3151100090IW	\$ 290.30
				PS	12	300	3151100120WA	\$ 294.90
				SS			3151100120IW	\$ 395.30
12	300	12.00	305	PS	3	80	3151120030WX	\$ 75.40
				SS			3151120030IWX	\$ 122.50
				PS	6	150	3151120060WX	\$ 147.30
				SS			3151120060IWX	\$ 197.40
				PS	9	230	3151120090WX	\$ 47.20
				SS			3151120090IWX	\$ 117.30
				PS	12	300	3151120120WX	\$ 237.10
				SS			3151120120IWX	\$ 301.90
12	300	12.75	324	PS	3	80	3151120030WA	\$ 76.30
				SS			3151120030IW	\$ 123.70
				PS	6	150	3151120060WA	\$ 147.80
				SS			3151120060IW	\$ 200.30
				PS	9	230	3151120090WA	\$ 237.50
				SS			3151120090IW	\$ 304.90
				PS	12	300	3151120120WA	\$ 308.10
				SS			3151120120IW	\$ 410.10

PS = Plated Steel Bolts SS = Stainless Steel

**HOW TO ORDER:** Specify Model Number, Pipe Size with OD, Width, and Type of Bolt. EXAMPLE: 2" Steel O.D. 2.38 with 6" width Plated Steel Bolts. Order 3151 - 2.38 x 6 PS. **Part Number:** 3151020060WA .