

Integrity Fusion Products offers a line of class 150 **Convuluted Stainless Steel Backup Rings** manufactured from **ASTM A351CF8M (316) 70/30/30** material and are available in a variety of nominal **IPS** and **DIPS** HDPE pipe diameters and SDR ratings up to 24". For sizes 28" to 36", we offer **ASTM A351CF8M (316) 70/30/30 Flat Plate Style Backup Rings**. Integrity Fusion Products **Stainless Steel Backup Rings** are designed and manufactured to comply with the drilling and mating requirements set forth in **ANSI/ASME B16.5** and **AWWA C207** for use in applications *24" and smaller*; and with **ANSI/ASME B16.47** and **AWWA C207** for use in applications *26" and larger*. All Integrity Fusion Stainless Steel Backup Rings, 12" and smaller, have been FM tested and approved. SDR 11 Backup Rings meet all FM 200 requirements, and SDR 7 – 9 Backup rings all meet FM 335 requirements.

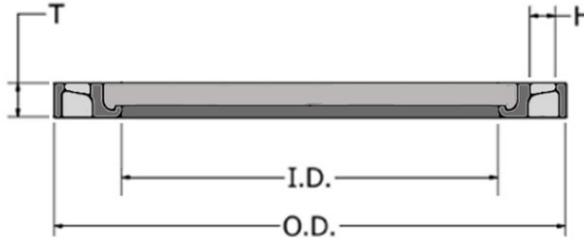
IPS

SDR 11 (316 Stainless Steel Backup Ring)

200 PSI Class 150# Bolt Pattern

Nominal Size	OD (in.)	ID (in.)	Thickness (in.)	# Bolt Holes	Hole Dia. (ins)	Weight [lbs.]	Item Code	FM Class
2" IPS	6.00	2.64	0.45	4	0.75	1.70	100241	FM 200
3" IPS	7.50	3.75	0.53	4	0.75	2.60	100242	FM 200
4" IPS	9.00	4.80	0.55	8	0.75	3.80	100243	FM 200
6" IPS	11.00	6.90	0.63	8	0.88	5.50	100244	FM 200
8" IPS	13.50	8.90	0.85	8	0.88	9.50	100245	FM 200
10" IPS	16.00	11.00	0.99	12	1.00	13.90	100246	FM 200
12" IPS	19.00	13.15	1.26	12	1.00	16.60	100247	FM 200
14" IPS	21.00	14.42	1.38	12	1.13	33.00	100248	-----
16" IPS	23.50	16.47	1.57	16	1.13	44.00	100249	-----
18" IPS	25.00	18.50	1.65	16	1.25	48.00	100250	-----
20" IPS	27.50	20.50	1.85	20	1.25	63.00	100252	-----
24" IPS	32.00	24.60	2.18	20	1.38	98.00	100253	-----
28" IPS (**)	36.42	28.66	2.76	28	1.42	277.8	100265	-----
30" IPS (**)	38.78	30.67	2.87	28	1.42	327.5	100266	-----
32" IPS (**)	41.73	32.52	-----	28	1.63	204.6	100267	-----
34" IPS (**)	43.74	34.53	-----	32	1.63	224.9	100268	-----
36" IPS (**)	46.06	36.81	3.50	32	1.65	520.0	100269	-----

**** Double asterisk shows the Backup Ring is a flat plate design**



IPS

SDR 7 - 9 (316 Stainless Steel Backup Ring)

Class 150 # Bolt Pattern

Nominal Size	OD (in.)	ID (in.)	Thickness (in.)	# Bolt Holes	Hole Dia. (ins)	Weight [lbs.]	Item Code	FM Class
4" IPS	9.00	4.75	0.72	8	0.75	6.00	100272	FM 335
6" IPS	11.00	6.88	0.76	8	0.88	8.55	100273	FM 335
8" IPS	13.50	8.88	0.83	8	0.88	12.65	100274	FM 335
10" IPS	16.00	11.00	0.95	12	1.00	19.55	100275	FM 335
12" IPS	19.00	13.15	1.22	12	1.00	34.55	100276	FM 335

For use in SDR 9 applications @ 255 PSI

For use in SDR 7 applications @ 355 PSI

DIPS

SDR 11 (316 Stainless Steel Backup Ring)

200 PSI Class 150# Bolt Pattern

Nominal Size	OD (in.)	ID (in.)	Thickness (in.)	# Bolt Holes	Hole Dia. (ins)	Weight [lbs.]	Item Code	FM Class
4" DIPS	9.00	5.00	0.55	8	0.75	3.80	100254	FM 200
6" DIPS	11.00	7.10	0.63	8	0.88	5.50	100255	FM 200
8" DIPS	13.50	9.20	0.85	8	0.88	10.00	100256	FM 200
10" DIPS	16.00	11.30	0.98	12	1.00	14.10	100257	FM 200
12" DIPS	19.00	13.45	1.25	12	1.00	24.20	100258	FM 200