PARFLEX 56 SERIES FITTINGS

With ToughShield® Plus Plating Technology

The new zinc-nickel (Zn-Ni) plating for Parflex 56 series fittings offers premium corrosion resistance, protecting equipment significantly longer than other commercially available plating technologies.

ToughShield® **Plus**

Parker engineers and metal scientists used state-of-the art tools and analysis methods to study corrosion and how to minimize it. This led to the development of our patent-pending advanced plating which provides superior corrosion and assembly performance, even on products subjected to after plating deformation such as swivel nuts and other fluid power components.

Ensure more uptime with ToughShield Plus

No matter your industry, ToughShield Plus delivers.

✓ Extended fitting service life

✓ Less frequent and easier maintenance

✓ Reduced downtime

✓ Decreased corrosion migration to adjacent components

✓ Reduced warranty claims for manufacturers

✓ Decreased aesthetic quality concerns

Premium performance validation

The superior corrosion resistance of Parker's latest plating technology is validated through ASTM B117 / ISO 9227 neutral Salt Spray Testing (SST), as well as two Cyclical Corrosion Tests (CCT) - ISO 16701 and SAE J2334. CCT is widely considered to provide a closer correlation to field corrosion conditions. ToughShield Plus is the first standard plating system in the fluid power industry proven to offer this exceptional level of resistance to red rust. Download our whitepaper on www.toughshield.com to learn more.

ToughShield Plus (left) and Zinc-crimped (right) swivel adapters after 3,000 hours SST

ToughShield Plus fights red corrosion up to:

| **3,000** hours	**12** weeks	**60** days
ASTM B117/ISO 9227 Neutral Salt Spray Test (SST)	ISO 16701 Cyclical Corrosion Test (CCT)	SAE J2334 Cyclical Corrosion Test (CCT)

Parker

Parflex 56 Series ToughShield Plus Offering

10656 SAE (JIC) 37° Swivel
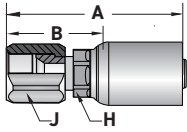
Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		H Hex	J Hex
		inch	mm	inch	mm	inch	mm	inch	inch
10656-4-4	7/16-20	1/4	6	2.05	52	1-1/16	27	7/16	9/16
10656-5-4	1/2-20	1/4	6	2.12	54	1-1/8	28	7/16	5/8
10656-6-4	9/16-18	1/4	6	2.14	54	1-3/16	30	7/16	11/16
10656-6-6	9/16-18	3/8	10	2.22	56	1-1/4	32	9/16	11/16
10656-8-6	3/4-16	3/8	10	2.37	60	1-3/8	35	9/16	7/8
10656-8-8	3/4-16	1/2	13	2.54	64	1-7/16	36	11/16	7/8
10656-10-8	7/8-14	1/2	13	2.64	67	1-1/2	38	11/16	1

1JC56 Female Seal-Lok™ Straight Swivel Short ISO 12151-1-SWSA
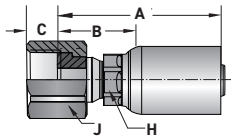
Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		C		H Hex	J Hex
		inch	mm	inch	mm	inch	mm	inch	mm	inch	inch
1JC56-4-4	9/16-18	1/4	6	1.86	47	7/8	22	5/16	8	7/16	11/16
1JC56-6-4	11/16-16	1/4	6	1.90	48	15/16	24	.34	9	7/16	11/16
1JC56-6-6	11/16-16	3/8	10	1.89	48	7/8	22	.34	9	9/16	13/16
1JC56-8-6	13/16-16	3/8	10	2.00	51	1	25	7/16	11	9/16	15/16
1JC56-8-8	13/16-16	1/2	13	2.13	54	1	25	7/16	11	11/16	15/16
1JC56-10-8	1-14	1/2	13	2.30	58	1-3/16	30	.48	12	11/16	1-1/8

NOTE: When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

1JS56 Female Seal-Lok™ Straight ISO 12151-1-SWSB
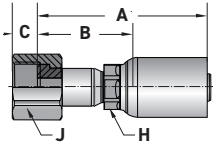
Part Number	Thread Size	Hose I.D.		A		Cutoff Allow. B		C		H Hex	J Hex
		inch	mm	inch	mm	inch	mm	inch	mm	inch	inch
1JS56-4-4	9/16-18	1/4	6	2.17	51	1-3/16	30	0.31	8	7/16	11/16
1JS56-6-4	11/16-16	1/4	6	2.24	57	1-1/4	32	0.35	9	7/16	13/16
1JS56-6-6	11/16-16	3/8	10	2.28	58	1-15/16	33	0.35	9	9/16	13/16
1JS56-8-6	13/16-16	3/8	10	2.40	61	1-7/16	36	0.43	11	9/16	15/16
1JS56-8-8	13/16-16	1/2	13	2.52	64	1-3/8	35	0.43	11	11/16	15/16

NOTE: When measuring overall length to the end of the nut, B+C dimensions must be used to calculate cut-off allowance.

Visit www.toughshield.com to learn more about ToughShield Plus.

Parker's ToughShield Plus meets and exceeds industry standards and environmental compliance directives.