

83FR – DuraGard™ General Purpose Polyurethane



Features

- Weld spatter resistant
- Excellent abrasion resistance
- Extreme flexibility
- Compact bend radius
- Specially formulated polyurethane tube
- Twin-line or multi-line constructions available

Certifications

- MSHA Accepted
- Non-conductive per SAEJ343 test procedures for thermoplastic hose
- UL94HB compliant

Applications/Markets



- General purpose air and water hose often used in robotic welding applications

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	PushLok Fitting*
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
#													
83FR-4	1/4	6	.48	12	300	2.1	1.00	25	28	.05	.07	55/HV**	82*
83FR-6	3/8	10	.60	15	300	2.1	2.00	51	28	.08	.11	55/HV**	82*
83FR-8	1/2	13	.76	19	300	2.1	2.50	64	28	.12	.17	55/HV**	82*
83FR-12	3/4	19	1.04	26	300	2.1	3.50	89	28	.19	.28	55/HV**	82*

Construction

Tube: Specially formulated polyurethane
 Reinforcement: Fiber
 Cover: Polyurethane

Operating Parameters

Temperature Range:
 -20°F to +200°F (-29°C to +93°C)
 Change in working length @ Rated WPSI: ±2%
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

55 Series – pg. E-12
 82 Series – (*82 Series Fittings available from Parker Hose Products Division)
 HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
 For Crimp Die Selection charts see pgs. G-30 : G-41
 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Colors

- Black (BLK)
- Blue (BLU)
- Brown (BRN)
- Green (GRN)
- Gray (GRA)
- Red (RED)

Notes

*Temperature and pressure reduced with 82 series
 Push-Lok Fitting:
 -20°F to +145°F (-29°C to +63°C)
 175 PSI maximum working pressure
 Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

www.comoso.com



A Hose
 B Tubing
 C Coiled Air Hose & Fittings
 D Transportation
 E Fittings
 F Tooling, Equipment & Accessories
 G General Technical