

Heavy Duty Easy Bend Flared Hose • Jack-Flex

Heavy Duty Easy Bend Flared Hose is ideal for applications where internal corrosion of the fittings and contamination of the chemical substrate is not tolerable. We can produce assemblies to your specific length and diameter needs to connect to your system. The entire wetted flow path is inert PTFE Fluoropolymer so you can have a long lasting transfer hose solution.



Applications: Chemical and Pharmaceutical

Innercore: Heavy duty convoluted PTFE liner that is FDA compliant and chemically inert to a wide range of acids and caustics.

The PTFE liner is made to last with a heavy wall construction that provides more hoop strength and resistance to kinking during flexing.

Reinforcement: One layer of type 304 stainless steel high tensile wire EN 1.4301 Type 316SS braid reinforcement available upon request. Three inch internal diameter also available with double braid for increased working pressure.

Temperature Range: -65°F (-54°C) to to +500°F (+260°C)

Chemical Resistance: Refer to page 30.

Fittings: PTFE flare over stainless steel flange retainer with your choice of backing flange. Backing flanges can be provided to meet various standards. Typical flange alloys are carbon steel, 304 and 316 stainless steel.

IMPERIAL								
Dash Size)	Inch Reference # Natural	Inch Reference # Conductive	Actual ID (in)	Actual OD (in)	Max Working Pressure PSI	Min Burst Pressure PSI	Min Bend Radius (in)	Weight (lb/ft)
-12	HDFI0.7N	HDFI0.7C	0.78	1.08	425	1700	3.0	3.0
-16	HDFI0.9N	HDFI0.9C	0.97	1.36	350	1400	4.0	4.0
-20	HDFI1.3N	HDFI1.3C	1.32	1.70	330	1350	5.5	5.5
-24	HDFI1.4N	HDFI1.4C	1.49	1.85	275	1100	7.0	7.0
-32	HDFI1.9N	HDFI1.9C	1.92	2.43	250	1000	8.5	8.5
-48	HDFI2.9N	HDFI2.9C	2.91	3.80	100	400	12.0	12.0
-48Z	HDFI2.9ND	HDFI2.9CD	2.91	4.00	250	1000	16.0	16.0
-64	HDFI3.9N	HDFI3.9C	3.92	4.95	100	400	18.0	18.0

METRIC							
Metric Reference # Natural	Metric Reference # Conductive	Actual ID (mm)	Actual OD (mm)	Max Working Pressure Bar	Min Burst Pressure Bar	Min Bend Radius (mm)	Weight (kg/m)
HDFI20N	HDFI20C	20	27	29	117	76	0.90
HDFI25N	HDFI25C	25	35	24	97	102	1.00
HDFI34N	HDFI34C	34	43	23	93	140	1.80
HDFI38N	HDFI38C	38	47	19	76	178	2.00
HDFI49N	HDFI49C	49	62	17	69	216	2.10
HDFI74N	HDFI74C	74	97	7	28	305	3.70
HDFI74ND	HDFI74CD	74	102	17	69	406	4.30
HDFI100N	HDFI100C	100	126	7	28	457	4.60

All pressure are calculated at 70°F (21°C). For applications involving higher temperatures, please consult the factory.