aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Thermoplastic Hoses for Ultra High Pressure

Product Overview 4462

Parker

ENGINEERING YOUR SUCCESS.

Part number	Size		Max. working pressure	Min. burst pressure	Min. bend radius	Weight	Nipple ID	Ferrule OD	SF
#									

DN3	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2240D-02V32	-02	3.0	1/8	7.0	0.276	110.0	15,950	275.0	39,875	60	2.36	0.07	0.05	1.60	0.06	9.10	0.36	2.5
2240D-02V32-TC	-02	3.0	1/8	7.0	0.276	110.0	15,950	275.0	39,875	60	2.36	0.07	0.05	1.60	0.06	9.10	0.36	2.5
2440D-02V32	-02	3.0	1/8	7.9	0.311	207.0	30,000	518.0	75,000	100	3.94	0.12	0.08	1.50	0.06	9.80	0.39	2.5

DN4	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2244N-025V00	-025	3.9	5/32	9.6	0.378	75.0	10,875	300.0	43,500	55	2.17	0.19	0.13	2.30	0.09	13.20	0.52	4.0
2380N-025V10	-025	3.9	5/32	9.7	0.382	75.0	10,875	300.0	43,500	55	2.17	0.16	0.11	2.30	0.09	13.00	0.51	4.0
2240D-025V32	-025	4.0	5/32	7.7	0.303	120.0	17,400	300.0	43,500	75	2.95	0.10	0.07	2.30	0.09	9.90	0.39	2.5
2240D-025V32-TC	-025	4.0	5/32	7.7	0.303	120.0	17,400	300.0	43,500	75	2.95	0.10	0.07	2.30	0.09	9.90	0.39	2.5
2380N-025V10W	-025	4.0	5/32	9.7	0.382	140.0	20,300	350.0	50,750	55	2.17	0.16	0.11	2.10	0.08	13.00	0.51	2.5
2248D-025V32	-025	4.0	5/32	7.9	0.311	150.0	21,750	375.0	54,375	75	2.95	0.11	0.07	2.30	0.09	9.80	0.39	2.5
2248D-025V32-TC	-025	4.0	5/32	7.9	0.311	150.0	21,750	375.0	54,375	75	2.95	0.11	0.07	2.30	0.09	9.80	0.39	2.5
2440D-025V32	-025	4.0	5/32	10.4	0.409	220.0	31,900	550.0	79,750	100	3.94	0.21	0.14	1.40	0.06	14.60	0.57	2.5
2440D-025V32-TC	-025	3.9	5/32	10.4	0.409	220.0	31,900	550.0	79,750	100	3.94	0.21	0.14	1.40	0.06	14.60	0.57	2.5
2448D-025V32	-025	4.0	5/32	9.9	0.39	280.0	40,600	700.0	101,500	100	3.94	0.21	0.14	1.80	0.07	12.80	0.50	2.5
2448D-025V32-TC	-025	4.0	5/32	9.9	0.39	280.0	40,600	700.0	101,500	100	3.94	0.21	0.14	1.80	0.07	12.80	0.50	2.5
2640D-025V32	-025	3.9	5/32	12.0	0.472	280.0	40,600	700.0	101,500	140	5.51	0.29	0.19	1.90	0.07	15.60	0.61	2.5
2740D-025V16	-025	3.9	5/32	12.0	0.472	300.0	43,500	780.0	113,100	120	4.72	0.40	0.27	1.90	0.07	15.60	0.61	2.6

DN5	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2240D-03V32	-03	4.7	3/16	9.5	0.374	100.0	14,500	250.0	36,250	95	3.74	0.13	0.09	2.80	0.11	12.00	0.47	2.5
2240D-03V32-TC	-03	4.8	3/16	9.5	0.374	100.0	14,500	250.0	36,250	95	3.74	0.13	0.09	2.80	0.11	12.00	0.47	2.5
2248D-03V32	-03	4.9	3/16	9.5	0.374	140.0	20,300	350.0	50,750	95	3.74	0.14	0.09	2.8	0.11	12.1	0.48	2.5
2248D-03V32-TC	-03	4.9	3/16	9.5	0.374	140.0	20,300	350.0	50,750	95	3.74	0.14	0.09	2.8	0.11	12.1	0.48	2.5
2440D-03V32	-03	4.8	3/16	11.5	0.453	180.0	26,100	450.0	65,250	130	5.12	0.28	0.19	1.40	0.06	15.30	0.60	2.5
2440D-03V32-TC	-03	4.7	3/16	11.5	0.453	180.0	26,100	450.0	65,250	130	5.12	0.28	0.19	1.40	0.06	15.30	0.60	2.5
2640D-03V32	-03	4.8	3/16	13.0	0.512	250.0	36,250	625.0	90,625	175	6.89	0.41	0.28	2.30	0.09	18.60	0.73	2.5
2740D-03V34	-03	4.8	3/16	13.2	0.520	280.0	40,600	700.0	101,500	200	7.87	0.47	0.32	2.30	0.09	18.80	0.74	2.5
2749D-03V34	-03	4.8	3/16	13.3	0.524	301.0	43,645	700.0	101,500	200	7.87	0.47	0.32	2.30	0.09	18.80	0.74	2.3
2840D-03V34	-03	4.6	3/16	15.0	0.591	400.0	58,000	800.0	116,000	200	7.87	0.66	0.44	2.30	0.09	19.60	0.77	2.0

DN6	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2380N-04V00	-04	6.3	1/4	13.3	0.524	70.0	10,150	280.0	40,600	70	2.76	0.27	0.18	3.80	0.15	18.00	0.71	4.0
2380N-04V10	-04	6.3	1/4	13.3	0.524	70.0	10,150	280.0	40,600	70	2.76	0.27	0.18	3.60	0.14	18.10	0.71	4.0
2380N-04V10-MSHA	-04	6.3	1/4	13.3	0.524	70.0	10,150	280.0	40,600	70	2.76	0.28	0.19	3.60	0.14	18.50	0.73	4.0
2388N-04V00	-04	6.3	1/4	13.3	0.524	80.0	11,600	320.0	46,400	80	3.15	0.30	0.20	3.60	0.14	18.30	0.72	4.0
2240D-04V32	-04	6.3	1/4	11.5	0.453	110.0	15,950	275.0	39,875	110	4.33	0.20	0.13	3.80	0.15	13.60	0.54	2.5
2240D-04V32-TC	-04	6.4	1/4	11.5	0.453	110.0	15,950	275.0	39,875	110	4.33	0.20	0.13	3.80	0.15	13.60	0.54	2.5
2380M-04V30W	-04	6.3	1/4	15.8	0.622	110.0	15,950	280.0	40,600	70	2.76	0.28	0.19	4.00	0.16	17.40	0.69	2.5
2380N-04V00W	-04	6.3	1/4	13.3	0.524	110.0	15,950	280.0	40,600	70	2.76	0.28	0.19	3.80	0.15	18.00	0.71	2.5
2388N-04V12W	-04	6.3	1/4	13.3	0.524	128.0	18,560	320.0	46,400	80	3.15	0.30	0.20	3.60	0.14	18.20	0.72	2.5
2440D-04V32	-04	6.4	1/4	12.5	0.492	164.0	23,780	410.0	59,450	155	6.10	0.33	0.22	2.90	0.11	17.00	0.67	2.5
2440D-04V32-TC	-04	6.3	1/4	12.5	0.492	164.0	23,780	410.0	59,450	155	6.10	0.33	0.22	2.90	0.11	17.00	0.67	2.5

DN8	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2380N-05V00	-05	8.3	5/16	15.8	0.622	62.5	9,060	250.0	36,250	90	3.54	0.35	0.24	4.80	0.19	20.10	0.79	4.0
2240D-05V32	-05	8.0	5/16	13.3	0.524	90.0	13,050	225.0	32,625	120	4.72	0.25	0.17	5.30	0.21	16.10	0.63	2.5
2240D-05V32-TC	-05	8.1	5/16	13.3	0.524	90.0	13,050	225.0	32,625	120	4.72	0.25	0.17	5.30	0.21	16.10	0.63	2.5
2248D-05V32	-05	8.1	5/16	13.4	0.528	100.0	14,500	250.0	36,250	120	4.72	0.25	0.17	4.80	0.19	16.10	0.63	2.5
2380M-05V30W	-05	8.3	5/16	15.8	0.622	100.0	14,500	250.0	36,250	90	3.54	0.35	0.24	5.30	0.21	20.20	0.80	2.5
2380N-05V00W	-05	8.3	5/16	15.8	0.622	100.0	14,500	250.0	36,250	90	3.54	0.35	0.24	4.90	0.19	20.00	0.79	2.5
2440D-05V32	-05	8.1	5/16	15.1	0.594	150.0	21,750	375.0	54,375	175	6.89	0.44	0.30	3.70	0.15	21.00	0.83	2.5
2440D-05V32-TC	-05	8.0	5/16	15.1	0.594	150.0	21,750	375.0	54,375	175	6.89	0.44	0.30	3.70	0.15	21.00	0.83	2.5
2640D-05V32	-05	8.0	5/16	16.9	0.665	210.0	30,450	525.0	76,125	225	8.86	0.68	0.46	3.70	0.15	22.00	0.87	2.5

Part number	Size		Max. working pressure	Min. burst pressure	Min. bend radius	Weight	Nipple ID	Ferrule OD	SF
#									

DN8 cont.	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2740D-05V34	-05	7.8	5/16	17.2	0.677	250.0	36,250	625.0	90,625	200	7.87	0.83	0.56	3.70	0.15	22.80	0.90	2.5
2741D-05V34/10	-05	7.7	5/16	21.2	0.835	250.0	36,250	625.0	90,625	200	7.87	0.95	0.64	3.70	0.15	22.80	0.90	2.5
2748D-05V34	-05	7.8	5/16	17.3	0.681	280.0	40,600	700.0	101,500	230	9.06	0.83	0.56	3.70	0.15	22.80	0.90	2.5
2748D-05V34/16	-05	7.8	5/16	21.8	0.858	280.0	40,600	700.0	101,500	230	9.06	0.99	0.67	3.70	0.15	22.80	0.90	2.5
2840D-05V36	-05	7.8	5/16	19.5	0.768	300.0	43,500	700.0	101,500	250	9.84	1.10	0.74	3.70	0.15	24.00	0.94	2.3
2841D-05V36/17	-05	7.7	5/16	23.5	0.925	300.0	43,500	700.0	101,500	250	9.84	1.38	0.93	3.70	0.15	24.00	0.94	2.3
2749D-05V34	-05	7.8	5/16	17.3	0.681	301.0	43,645	700.0	101,500	230	9.06	0.83	0.56	3.70	0.15	22.80	0.90	2.3
2848D-05V34	-05	7.8	5/16	19.6	0.772	320.0	46,400	800.0	116,000	280	11.02	1.10	0.74	3.60	0.14	24.00	0.94	2.5
2849D-05V34	-05	7.8	5/16	19.6	0.772	380.0	55,000	800.0	116,000	280	11.02	1.10	0.74	3.60	0.14	24.00	0.94	2.1

DN10	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2244N-06V00	-06	9.8	3/8	18.0	0.709	53.5	7,755	215.0	31,175	120	4.72	0.50	0.34	6.80	0.27	23.80	0.94	4.0
2380N-06V10	-06	9.8	3/8	17.9	0.705	57.5	8,337	230.0	33,350	120	4.72	0.44	0.30	6.80	0.27	23.40	0.92	4.0
2022N-06V15-10K	-06	9.7	3/8	19.0	0.748	69.0	10,000	276.0	40,000	100	3.94	0.24	0.16	5.30	0.21	23.20	0.91	4.0
2580N-06V10-MSHA	-06	9.8	3/8	21.6	0.850	70.0	10,150	280.0	40,600	95	3.74	0.94	0.63	5.50	0.22	28.50	1.12	4.0
2244N-06V10W	-06	9.7	3/8	18.0	0.709	86.0	12,470	215.0	31,175	120	4.72	0.50	0.34	7.00	0.28	23.50	0.93	2.5
2440N-06V30	-06	9.7	3/8	19.4	0.764	140.0	20,300	350.0	50,750	190	7.48	0.73	0.49	5.80	0.23	26.90	1.06	2.5
2580N-06V12	-06	9.8	3/8	21.6	0.850	160.0	23,200	400.0	58,000	95	3.74	0.94	0.63	5.50	0.22	28.50	1.12	2.5

DN12	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2244N-08V10	-08	12.9	1/2	22.7	0.894	55.0	7,975	220.0	31,900	150	5.91	0.80	0.54	8.80	0.35	29.50	1.16	4.0
2380N-08V10	-08	12.9	1/2	22.9	0.902	55.0	7,975	220.0	31,900	150	5.91	0.68	0.46	6.60	0.26	30.00	1,18	4.0
2022N-08V15-10K	-08	12.9	1/2	23.0	0.906	69.0	10,000	276.0	40,000	100	3.94	0.34	0.23	6.50	0.26	30.50	1.20	4.0
2580N-08V10-MSHA	-08	12.9	1/2	25.0	0.984	70.0	10,150	280.0	40,600	110	4.33	1.19	0.80	7.50	0.30	30.50	1.20	4.0
2244N-08V10W	-08	12.8	1/2	22.7	0.894	88.0	12,760	220.0	31,900	150	5.91	0.80	0.54	9.30	0.37	29.00	1.14	2.5
2380N-08V10W	-08	13.0	1/2	22.9	0.900	88.0	12,760	220.0	31,900	150	5.91	0.68	0.46	6.60	0.26	30.20	1.19	2.5
2388N-08V12W	-08	13.0	1/2	23.0	0.906	110.0	15,950	275.0	39,875	100	3.94	0.80	0.54	7.50	0.30	28.50	1.12	2.5
2440N-08V30	-08	12.8	1/2	22.5	0.886	130.0	18,850	325.0	47,125	200	7.87	0.94	0.63	6.70	0.26	30.70	1.21	2.5
2580N-08V12	-08	12.9	1/2	25.0	0.984	140.0	20,300	350.0	50,750	110	4.33	1.19	0.80	7.50	0.30	30.50	1.20	2.5
2640N-08V32	-08	12.8	1/2	24.5	0.965	180.0	26,100	450.0	65,250	290	11.42	1.36	0.91	6.80	0.27	34.00	1.34	2.5
2740D-08V30	-08	12.7	1/2	27.0	1.063	200.0	29,000	500.0	72,500	300	11.81	1.85	1.24	7.50	0.30	31.80	1.25	2.5
2648N-08V32	-08	12.9	1/2	26.7	1.051	210.0	30,450	525.0	76,125	290	11.42	1.64	1.10	6.50	0.26	30.60	1.20	2.5
2748D-08V30	-08	13.0	1/2	27.1	1.067	250.0	36,250	625.0	90,625	300	11.81	1.85	1.24	7.50	0.30	31.90	1.26	2.5
2840D-08V30	-08	12.7	1/2	29.8	1.173	250.0	36,250	625.0	90,625	350	13.78	2.50	1.68	7.60	0.30	34.20	1.35	2.5
2848D-08V30	-08	13.0	1/2	29.9	1.177	300.0	43,500	625.0	90,625	350	13.78	2.50	1.68	7.50	0.30	33.80	1,33	2.1

DN20	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2440N-12V30	-12	19.6	3/4	30.0	1.181	100.0	14,500	250.0	36,250	250	9.84	1.39	0.93	12.70	0.50	38.50	1.52	2.5
2580N-12V12	-12	19.8	3/4	32.6	1.283	120.0	17,400	300.0	43,500	170	6.69	1.76	1.18	12.50	0.49	39.80	1.57	2.5
2640N-12V32	-12	19.6	3/4	33.0	1.299	140.0	20,300	350.0	50,750	350	13.78	2.10	1.41	12.50	0.49	40.60	1.60	2.5
2648N-12V32	-12	19.8	3/4	33.7	1.327	160.0	23,200	400.0	58,000	350	13.78	2.28	1.53	12.50	0.49	41.10	1.62	2.5

DN25	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2440N-16V30	-16	25.0	1	37.0	1.457	90.0	13,050	225.0	32,625	300	11.81	2.00	1.34	17.20	0.68	45.30	1.78	2.5
2640N-16V32	-16	25.0	1	40.0	1.575	120.0	17,400	300.0	43,500	400	15.75	2.90	1.95	17.30	0.68	49.00	1.93	2.5
2648N-16V32	-16	25.0	1	40.8	1.606	150.0	21,750	375.0	54,375	400	15.75	3.10	2.08	16.50	0.65	49.00	1.93	2.5

DN32	size	mm	inch	mm	inch	MPa	psi	MPa	psi	mm	inch	kg/m	lbs/ft	mm	inch	mm	inch	
2244N-20V30	-20	31.8	1 1/4	44.0	1.732	27.5	3,990	110.0	15,950	400	15.75	1.83	1.23	25.30	1.00	50.00	1.97	4.0
2380N-20V30	-20	31.8	1 1/4	44.0	1.732	27.5	3,990	110.0	15,950	400	15.75	1.83	1.23	25.30	1.00	49.40	1.94	4.0

General remark on column **SF** in the tables:
Ultra high pressure hoses are normally used with a safety factor of 2.5:1 according to ISO 7751.
For hydraulic hoses, a safety factor of 4:1 applies.

Parker Worldwide

AE – UAE, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe,
Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BR – Brazil, Cachoeirinha RS
Tel: +55 51 3470 9144

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CL – Chile, Santiago
Tel: +56 2 623 1216

CN – China, Shanghai
Tel: +86 21 2899 5000

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HK – Hong Kong
Tel: +852 2428 8008

HU – Hungary, Budapest
Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IN – India, Mumbai
Tel: +91 22 6513 7081-85

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NL – The Netherlands,
Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SG – Singapore
Tel: +65 6887 6300

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TH – Thailand, Bangkok
Tel: +662 717 8140

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

UA – Ukraine, Kiev
Tel +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom,
Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

US – USA, Cleveland
Tel: +1 216 896 3000

VE – Venezuela, Caracas
Tel: +58 212 238 5422

ZA – South Africa,
Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

© 2013 Parker Hannifin Corporation

Bul_4462_product overview_UK 03/2014
hsh / Zalsman Zwolle bv

Parker Hannifin Manufacturing Germany GmbH & Co. KG
polyflex **Division**
An der Tuchbleiche 4
68623 Lampertheim (Hüttenfeld)
Tel.: +49 (0)6256 81-0
Fax: +49 (0)6256 81-123
www.parker.com/polyflex
polyflex@parker.com