

STYLE BN DATA SHEET

MATERIAL:

Hose: 321 or 316 stainless steel
Braid: 300 series stainless steel

CONSTRUCTION:

Annular butt-welded, mechanically formed close pitch corrugated hose.

Pressure applications:

Full vacuum to working pressures listed below.

UBN – UNBRAIDED HOSE

BN – SINGLE BRAIDED HOSE

DBN – DOUBLE BRAIDED HOSE

Nominal Diameter (Inches)	Actual ID (MM)	Number of Braids	Nominal OD (Inches)	STATIC		DYNAMIC		Burst Pressure @ 70° F (PSIG)	Weight Per Foot (Pounds)
				Minimum Bend Radius (Inches)	Maximum Working Pressure @ 70° F (PSIG)	Minimum Bend Radius (Inches)	Maximum Working Pressure @ 70° F (PSIG)		
1/4"	.25	0	.49	1.0	100	5.50	100	4,142	.13
		1	.57		1,035		1,035		.23
		2	.65		1,656		1,656		.33
3/8	.38	0	.67	1.25	40	6.00	40	2,738	.25
		1	.75		685		685		.36
		2	.83		1,095		1,095		.47
1/2	.50	0	.82	1.50	40	7.00	40	2,825	.38
		1	.90		706		706		.57
		2	.98		1,130		1,130		.76
3/4	.75	0	1.21	2.25	30	8.00	30	2,307	.50
		1	1.31		577		577		.83
		2	1.41		923		923		1.16
1	1.0	0	1.51	3.00	20	10.00	20	1,881	.68
		1	1.61		470		470		1.12
		2	1.71		752		752		1.56
1-1/4	1.25	0	1.85	3.50	15	12.00	15	1,443	.80
		1	1.95		361		361		1.31
		2	2.05		577		577		1.82
1-1/2	1.50	0	2.18	4.00	10	13.50	10	1,317	1.03
		1	2.31		329		329		1.73
		2	2.43		526		526		2.43
2	2.0	0	2.50	5.00	8	17.0	8	1,267	1.81
		1	2.63		317		317		2.73
		2	2.75		507		507		3.65
2-1/2	2.5	0	3.18	8.00	8	22.00	8	1,090	1.39
		1	3.31		272		272		2.66
		2	3.43		435		435		3.93
3	3.0	0	3.65	12.00	10	24.00	10	805	1.44
		1	3.78		201		201		2.84
		2	3.91		322		322		4.11
4	4.0	0	4.81	14.00	8	26.00	8	568	3.45
		1	4.94		142		142		5.03
		2	5.06		227		227		6.61