

# Flexible Hoses & Couplings - NW Thick Wall & Braided Stainless Steel Hoses



## NW Flexible Stainless Steel Hoses – Thick Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
TH-075-10-2NW	3/4	1.10	10	NW-16	0.017	2.13
TH-075-20-2NW	3/4	1.10	20	NW-16	0.017	2.13
TH-075-40-2NW	3/4	1.10	40	NW-16	0.017	2.13
TH-100-10-2NW	1	1.50	10	NW-25	0.017	2.88
TH-100-20-2NW	1	1.50	20	NW-25	0.017	2.88
TH-100-40-2NW	1	1.50	40	NW-25	0.017	2.88
TH-150-10-2NW	1 1/2	2.10	10	NW-40	0.020	3.50
TH-150-20-2NW	1 1/2	2.10	20	NW-40	0.020	3.50
TH-150-40-2NW	1 1/2	2.10	40	NW-40	0.020	3.50
TH-200-10-2NW	2	2.63	10	NW-50	0.020	5.25
TH-200-20-2NW	2	2.63	20	NW-50	0.020	5.25
TH-200-40-2NW	2	2.63	40	NW-50	0.020	5.25



## NW Flexible Stainless Steel Braided Hoses

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
FHB-075-12-2NW	3/4	1 1/4	12	NW-16	0.008	2.09
FHB-075-18-2NW	3/4	1 1/4	18	NW-16	0.008	2.09
FHB-075-20-2NW	3/4	1 1/4	20	NW-16	0.008	2.09
FHB-075-24-2NW	3/4	1 1/4	24	NW-16	0.008	2.09
FHB-075-36-2NW	3/4	1 1/4	36	NW-16	0.008	2.09
FHB-075-40-2NW	3/4	1 1/4	40	NW-16	0.008	2.09
FHB-100-12-2NW	1	1 5/8	12	NW-25	0.008	2.52
FHB-100-18-2NW	1	1 5/8	18	NW-25	0.008	2.52
FHB-100-20-2NW	1	1 5/8	20	NW-25	0.008	2.52
FHB-100-24-2NW	1	1 5/8	24	NW-25	0.008	2.52
FHB-100-36-2NW	1	1 5/8	36	NW-25	0.008	2.52
FHB-100-40-2NW	1	1 5/8	40	NW-25	0.008	2.52
FHB-150-12-2NW	1 1/2	2 1/4	12	NW-40	0.010	3.86
FHB-150-18-2NW	1 1/2	2 1/4	18	NW-40	0.010	3.86
FHB-150-20-2NW	1 1/2	2 1/4	20	NW-40	0.010	3.86
FHB-150-24-2NW	1 1/2	2 1/4	24	NW-40	0.010	3.86
FHB-150-36-2NW	1 1/2	2 1/4	36	NW-40	0.010	3.86
FHB-150-40-2NW	1 1/2	2 1/4	40	NW-40	0.010	3.86
FHB-200-12-2NW	2	2 3/4	12	NW-50	0.015	4.72
FHB-200-18-2NW	2	2 3/4	18	NW-50	0.015	4.72
FHB-200-20-2NW	2	2 3/4	20	NW-50	0.015	4.72
FHB-200-24-2NW	2	2 3/4	24	NW-50	0.015	4.72
FHB-200-36-2NW	2	2 3/4	36	NW-50	0.015	4.72
FHB-200-40-2NW	2	2 3/4	40	NW-50	0.015	4.72

### SPECIFICATIONS

**Nominal ID sizes:** 3/4 to 2 inches

#### Materials

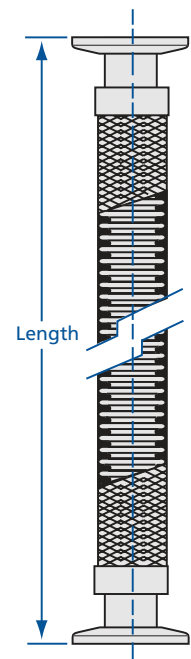
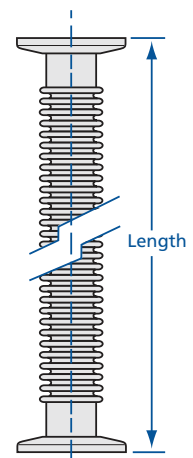
Bellows: 321 stainless steel  
 Flanges: 304 stainless steel  
 Braiding: protective 304 stainless steel  
 (316L available on request)

#### Vacuum Range

Metal seal:  $\geq 1 \times 10^{-10}$  Torr - UHV  
 Elastomer seal:  $\geq 1 \times 10^{-8}$  Torr - High vacuum

#### Temperature Range

Metal seal: -200°C to 450°C  
 Elastomer seal: -20°C to 150°C



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# Flexible Hoses & Couplings - ISO Medium & Thick Wall Stainless Steel Hoses



## SPECIFICATIONS

**Nominal ID sizes:** 2 1/2 to 4 inch

### Materials

Hose: 321 stainless steel  
 Tube ends: 304 stainless steel  
 Flanges: 304 stainless steel  
 (316L available on request)

### Vacuum Range

Metal seal:  $\geq 1 \times 10^{-10}$  Torr - UHV  
 Elastomer seal:  $\geq 1 \times 10^{-8}$  Torr - High vacuum

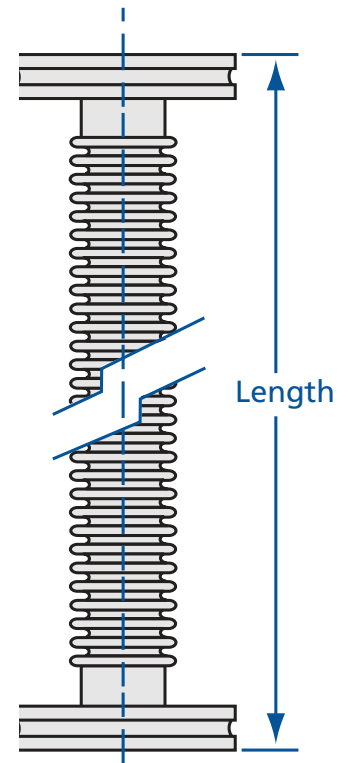
### Temperature Range

Metal seal: -200°C to 450°C  
 Elastomer seal: -20°C to 150°C

**Options:** Protective braided sleeving

## ISO Flexible Stainless Steel Hoses – Medium Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
FH-250-10-2ISO	2 1/2	3.34	10	ISO-63	0.016	3.15
FH-250-12-2ISO	2 1/2	3.34	12	ISO-63	0.016	3.15
FH-250-18-2ISO	2 1/2	3.34	18	ISO-63	0.016	3.15
FH-250-20-2ISO	2 1/2	3.34	20	ISO-63	0.016	3.15
FH-250-24-2ISO	2 1/2	3.34	24	ISO-63	0.016	3.15
FH-250-36-2ISO	2 1/2	3.34	36	ISO-63	0.016	3.15
FH-250-40-2ISO	3	3.99	40	ISO-63	0.016	3.15
FH-300-10-2ISO	3	3.99	10	ISO-80	0.016	3.82
FH-300-12-2ISO	3	3.99	12	ISO-80	0.016	3.82
FH-300-18-2ISO	3	3.99	18	ISO-80	0.016	3.82
FH-300-20-2ISO	3	3.99	20	ISO-80	0.016	3.82
FH-300-24-2ISO	3	3.99	24	ISO-80	0.016	3.82
FH-300-36-2ISO	3	3.99	36	ISO-80	0.016	3.82
FH-300-40-2ISO	4	4.83	40	ISO-80	0.016	3.82
FH-400-10-2ISO	4	4.83	10	ISO-100	0.016	4.45
FH-400-12-2ISO	4	4.83	12	ISO-100	0.016	4.45
FH-400-18-2ISO	4	4.83	18	ISO-100	0.016	4.45
FH-400-20-2ISO	4	4.83	20	ISO-100	0.016	4.45
FH-400-24-2ISO	4	4.83	24	ISO-100	0.016	4.45
FH-400-36-2ISO	4	4.83	36	ISO-100	0.016	4.45
FH-400-40-2ISO	4	4.83	40	ISO-100	0.016	4.45



## ISO Flexible Stainless Steel Hoses – Thick Wall

MODEL NUMBER	NOMINAL ID	HOSE OD	OVERALL LENGTH	FLANGE TYPE	WALL THICKNESS	STATIC BEND RADIUS
TH-250-20-2ISO	2 1/2	3.10	20	ISO-63	0.020	8.00
TH-250-40-2ISO	2 1/2	3.10	40	ISO-63	0.020	8.00
TH-300-20-2ISO	3	3.92	20	ISO-80	0.020	9.00
TH-300-40-2ISO	3	3.92	40	ISO-80	0.020	9.00
TH-400-20-2ISO	4	4.82	20	ISO-100	0.020	13.00
TH-400-40-2ISO	4	4.82	40	ISO-100	0.020	13.00

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