



HP/ THP/ XHP

Stainless steel annularly corrugated metal hose

The **HP**, the **THP** and the **XHP** are a high performance flexible stainless steel annularly corrugated hoses for use in high pressure applications. Easy assembling due to high precision and annularly corrugated geometry.

Design and type test in accordance with EN ISO 10380.

Available unbraided (**HP**), with one braid (**THP**) or with two braids (**XHP**).

Materials:

Corrugated hose: stainless steel 1.4404 (similar to AISI 316 L) or stainless steel 1.4541 (similar to AISI 321)

Braid: stainless steel 1.4301 (similar to AISI 304)

Reduction factors at heavy-duty conditions see „Technical Instructions for Metal Hoses and Metal Hose Assemblies“.

Application fields:

Applications with highest pressure resistance necessity.

DN [mm]	Braid type [-]	∅ Inside [mm]	∅ Outside [mm]	∅ Tolerance outside [mm]	Bend radius stat. Rs [mm]	Bend radius dyn. Rd [mm]	Admissible operating pressure 20°C [bar]	Burst pressure 20°C [bar]	BOA item n° Material: 1.4404 [-]	BOA item n° Material: 1.4541 [-]			
6	HP	5,9	11.4	± 0.3	25	110	180	720	0000013518	0000013526			
	THP										13.0	255	1020
	XHP												
10	HP	10.0	17.8	± 0.3	38	150	145	580	0000013511	0000013519			
	THP										19.4	195	780
	XHP												
12	HP	11.8	20.2	± 0.4	45	165	140	560	0000013512	0000013520			
	THP										21.8	185	740
	XHP												
20	HP	17.9	29.1	± 0.4	70	225	85	340	0000013513	0000013521			
	THP										30.7	125	500
	XHP												
25	HP	24.2	38.0	± 0.4	85	215	78	312	0000013514	0000013545			
	THP										40.0	124	496
	XHP												
32	HP	30.7	46.5	± 0.5	105	300	65	260	0000013514	0000013545			
	THP										49.0	115	460
	XHP												
40	HP	39.3	54.9	± 0.5	130	280	61	244	0000013515	0000013547			
	THP										57.4	90	360
	XHP												
50	HP	49.0	67.3	± 0.6	160	390	55	220	0000013516	0000013547			
	THP										69.8	78	312
	XHP												
80	HP	78.7	99.0	± 0.6	240	660	25	100	0000013517	0000013548			
	THP										102.0	50	200
	XHP												
100	HP	101.0	129.5	± 0.8	290	750	24	96	0000013517	0000013552			
	THP										132.5	45	180
	XHP												



DN [mm]	Braid type [-]	∅ Inside [mm]	∅ Outside [mm]	∅ Tolerance outside [mm]	Bend radius stat. Rs [mm]	Bend radius dyn. Rd [mm]	Admissible operating pressure 20°C [bar]	Burst pressure 20°C [bar]	BOA item n° Material: 1.4404 [-]	BOA item n° Material: 1.4541 [-]
125	HP	124.0	155.0	± 1.0	350	1000	20	80	*	*
	THP		158.0				38	152		
	XHP									
150	HP	155.0	185.0	± 0.5	400	1250	27	108	*	*
	THP		188.0				34	136		
	XHP									
200	HP	204.0	246.0	± 0.6	520	1600	27	108	*	*
	THP		253.5				30	120		
	XHP									

* On request

Useful data for placing an inquiry or order:

- Item description: HP/THP/XHP
- BOA item n° (M-)
- Material
- DN
- Braid type
- Quantity

The three leaflets for metal hoses and metal hose assemblies "Technical Information", "Installation Instructions" and "Guarantee/ Delivery terms/ Conditions" are integrating part of the present product data sheet.