ULTRA FLEXIBLE

Flexible Metal Hoses

Ultra flexible metal hoses are made of stainless steel, so they are long-lasting.

Ultra flexible hoses are products with closer pitch than standard type hoses making them ultra flexible.

Ultra flexible metal hoses are manufactured as braided and non-braided as standard.

In line with customer demands, they can be supplied with fittings on ends.

Ultra flexible hoses are manufactured in accordance with EN-10380 ultra flexible metal hoses.



Advantages

» Long product life
» Can be used in moving parts
» Can work at high pressures and temperatures
» Easy to assemble
» Hygienic products

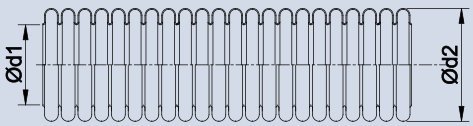
Applications

» Machinery industry
» Iron and steel industry
» Pharmaceutical industry
» Chemical industry
» Hot & Cold water pipelines
» Steam pipelines

DESIGN VALUES

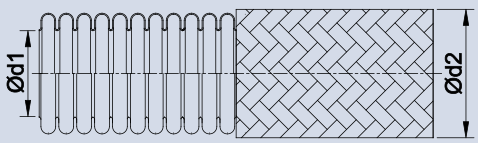
Without Braid	MH 231 OG
With Braid	MH 231 MG
Hose Material	304, 316L, 321
Braid Material	304, 316L
Working Pressure	0-145 barg
Sizes	DN6-DN80





231 OG

DN		Type	d1	d2	tolerance	Bending Radius		Working Pressure		Weight	Length
						Once-only	Frequent	Permissible Pressure at 20°C (SF3)	Nominal Pressure EN10380 (SF4)		
mm	inch		mm	mm	mm	mm	mm	barg	barg	kg/m	m
6	1/4"	MH 231 OG	6,4	10,5	± 0,2	13	70	24		0,096	10-1000
8	5/16"	MH 231 OG	8,5	12,4	± 0,2	15	95	17		0,115	10-1000
10	3/8"	MH 231 OG	10,3	14,5	± 0,2	15	95	10		0,145	10-1000
12	1/2''	MH 231 OG	12,4	16,7	± 0,2	20	105	8		0,155	10-1000
16	5/8''	MH 231 OG	16,2	22,0	± 0,2	25	120	6		0,230	10-1500
20	3/4"	MH 231 OG	20,2	27,0	± 0,2	32	130	4		0,390	10-1000
25	1"	MH 231 OG	25,1	32,0	± 0,3	40	150	4		0,490	10-600
32	1 1/4"	MH 231 OG	34,3	41,1	± 0,3	50	200	2,5		0,600	10-350
40	1 1/2"	MH 231 OG	40,0	49,9	± 0,4	60	220	1		0,990	10-250
50	2"	MH 231 OG	50,9	60,5	± 0,4	70	240	1		1,160	10-175
65	2 1/2"	MH 331 OG	66,5	78,2	±1,0	120	340	1		1,45	5-100
80	3"	MH 331 OG	82,5	96,5	±1,0	150	400	1		1,95	5-60



231 MG

DN		Type	d1	d2	tolerance	Bending Radius		Working Pressure		Weight	Length
						Once-only	Frequent	Permissible Pressure at 20°C (SF3)	Nominal Pressure EN10380 (SF4)		
mm	inch		mm	mm	mm	mm	mm	barg	barg	kg/m	m
6	1/4"	MH 231 MG	6,4	11,7	± 0,2	23	70	145	110	0,190	10-1000
8	5/16"	MH 231 MG	8,5	13,7	± 0,2	30	95	133	100	0,236	10-1000
10	3/8"	MH 231 MG	10,3	16,1	± 0,2	35	95	105	80	0,275	10-1000
12	1/2''	MH 231 MG	12,4	18,4	± 0,2	40	105	105	80	0,280	10-1000
16	5/8''	MH 231 MG	16,2	23,2	± 0,2	45	120	105	80	0,440	10-1500
20	3/4"	MH 231 MG	20,2	28,4	± 0,2	60	130	86	65	0,650	10-1000
25	1"	MH 231 MG	25,1	34,4	± 0,3	80	150	73	55	0,765	10-600
32	1 1/4"	MH 231 MG	34,3	43,2	± 0,3	105	200	60	45	1,070	10-350
40	1 1/2"	MH 231 MG	40,0	51,8	± 0,4	130	220	53	40	1,550	10-250
50	2"	MH 231 MG	50,9	62,7	± 0,4	160	240	40	30	1,810	10-175
65	2 1/2"	MH 331 MG	66,5	80,7	±1,0	190	340	25	16	2,50	5-100
80	3"	MH 331 MG	82,5	99,0	±1,0	250	400	13	10	3,00	5-60