

HD 100 T (1SN)

HD hose, high thermal resistance

HANSA FLEX

Properties

Application	Low and medium pressure circuits with extreme temperatures (e.g. foundries, compressors) Hydraulics in mechanical engineering
Special features	outstanding ozone, weather, UV and temperature resistance
Standard	EN 853 1 SN
Inner layer	oil resistant synthetic rubber
Insert	one high tensile steel wire braided insert
Outer layer	synthetic rubber with high temperature, ozone and weather resistance
Colour	blue
Temp. min.	-55 °C
Temp. max.	135 °C
Elongation	+ 2 % to - 4 %
Media	Mineral oil Gear oil Glycol and polyglycol Air-oil vapour Water-oil emulsion (0°C to +100°C)



Note

The change in length of the hose is determined at max. working pressure during testing to EN ISO 1402.
Operation with compressed air requires a perforated outer cover.

Item

Identification	DN*	Size	Inches	Internal Ø min. (mm)	Internal Ø max. (mm)	Ø Insert min. (mm)	Ø Insert max. (mm)	External Ø max. (mm)	Operating pressure (bar)	Test pressure (bar)	Burst pressure (bar)	Min. bending radius (mm)
HD 106 T	6	4	1/4"	6,2	7,0	10,6	11,6	14,1	225,0	450	900	100
HD 108 T	8	5	5/16"	7,7	8,5	12,1	13,3	15,7	215,0	430	850	115
HD 110 T	10	6	3/8"	9,3	10,1	14,5	15,7	18,1	180,0	360	720	130
HD 113 T	12	8	1/2"	12,3	13,5	17,5	19,1	21,4	160,0	320	640	180
HD 116 T	16	10	5/8"	15,5	16,7	20,6	22,2	24,5	130,0	260	520	200
HD 120 T	19	12	3/4"	18,6	19,8	24,6	26,2	28,5	105,0	210	420	240
HD 125 T	25	16	1"	25,0	26,4	32,5	34,1	36,6	88,0	175	350	300

DN = Nominal diameter, nominal width