

Silicone hoses for food and pharmaceutical applications

SILICONE STAR D / SD / HD - continued

index	internal diameter [mm] ± 0.3 mm	external diameter* [mm]	wall thickness* [mm] ± 0.6 mm	operating pressure* * 20°C [bar].	Bursting pressure 20°C [bar].	vacuum [bar]	bend radius [mm]	mass [kg/m]	max. length [m]
SILICONE STAR HD									
SO-SILICONESTAR-HD-010	10,0	23,8	6,9	25,75	103	0,97	50	0,475	4
SO-SILICONESTAR-HD-013	12,7	26,5	6,9	24,75	99	0,97	50	0,533	4
SO-SILICONESTAR-HD-019	19,05	32,85	6,9	20,25	81	0,97	50	0,698	4
SO-SILICONESTAR-HD-025	25,4	39,2	6,9	15,75	63	0,97	75	0,900	4
SO-SILICONESTAR-HD-032	31,8	45,6	6,9	15,75	63	0,97	96	1,058	4
SO-SILICONESTAR-HD-038	38,1	51,9	6,9	15,75	63	0,97	110	1,318	4
SO-SILICONESTAR-HD-051	50,8	64,6	6,9	12,75	51	0,97	170	1,708	4
SO-SILICONESTAR-HD-063	63,0	76,8	6,9	11,5	46	0,97	210	2,158	4
SO-SILICONESTAR-HD-076	76,0	89,8	6,9	11,75	47	0,97	250	2,405	4
SO-SILICONESTAR-HD-102	102,0	115,8	6,9	8,25	33	0,97	300	~3,34	4

* - wall thickness tolerance: +/- 0.6 mm (HD type); resulting outer diameter.

** - working pressure determined in relation to burst pressure with a safety factor of 4:1

Complete SILICONE STAR hoses (hoses with tips):

SILICONE STAR hose is manufactured in standard lengths of up to 4 m. On special order, a length of up to 6 m is possible. A typical and recommended solution is to use complete hoses - hoses with endings permanently fitted with clamping sleeves. Standard tips are AISI 316 stainless steel hygienic tips of various types: TRICLOVER (NH-TCR-...), DIN11851 (NH-DWR-..., NH-DZR-...), SMS (NH-SWR-..., NH-SZR-...), IDF and others. Collets type TI-LS1-

..., TI-LS2-... are made of AISI 304 steel. The selection of end fittings and sleeves for the respective hose type and size is presented in the following section.



1 - SO-SILICONESTAR-D-25 hose with end NH-TCR-050-24-025 and sleeve TI-LS1-37-16-SS; 2 - SO-SILICONESTAR-SD-32 hose with end NH-TCR-050-32-032 and sleeve TI-LS1-44-20-SS; 3 - SO-SILICONESTAR-HD-38 hose with NH-TCR-050-35-038 end and TI-LS2-53-24-SS sleeve; 4 - SO-SILICONESTAR-HD-19 hose with DIN 11851(NH-DWR-020 with NH-DN-020 nut) end and TI-LS2-53-24-SS sleeve;