

Description:

Basic hose dimensions and tolerances

Code:

TD13-021

Rev.:

B

Author: TP Date: 9-10-2014

Checked by: PvdS Date: 9-10-2014

Ref.: Hose BSP and QI documents

Hose type	Inner diameter [mm]		Wall thickness [mm]		Length ^(*) [mm]	
	Min.	Max.	Min.	Max.	Min.	Max.
Bredel 10	10.0	11.0	10.2	10.8	500	515
Bredel 15	15.0	16.0	10.2	10.8	745	760
Bredel 20	19.0	20.0	8.2	8.9	745	760
Bredel 25	25.0	26.5	13.9	14.3	990	1015
Bredel 32	32.0	33.5	14.3	14.7	1235	1260
Bredel 40	40.0	42.0	13.0	13.4	1470	1500
Bredel 50	50.0	52.0	14.8	15.2	1800	1830
Bredel 65	65.0	67.0	16.9	17.3	2310	2350
Bredel 80	80.0	82.0	20.7	21.3	2745	2790
Bredel 100	100.0	102.5	21.7	22.3	3235	3290

Hose type	Inner diameter [mm]		Wall thickness ^(**) [mm]		Length ^(*) [mm]	
	Min.	Max.	Min.	Max.	Min.	Max.
APEX10	10.0	11.0	8.2	8.9	690	705
APEX15	15.0	16.0	8.2	8.9	680	695
APEX20	19.0	20.0	8.2	8.9	680	695

(*) Hoses shrink somewhat over time, which is most notable for the larger sizes. The minimum hose length value in the table already includes the allowable 1% shrinkage with respect to the nominal length.

(**) Wall thickness of the middle (thinner) section of the hose.

Hose type	Inner diameter [mm]		Wall thickness [mm]		Length [mm]	
	Min.	Max.	Min.	Max.	Min.	Max.
PD40	40.0	42.0	15.2	15.6	720	735
PD65	65.0	67.0	17.3	17.7	960	975
PD100	100.0	102.5	19.2	19.8	1280	1295

DISCLAIMER

This document is to provide general information on the Bredel basic hose dimensions. Although compiled with the utmost care, no rights can be obtained from the contents of this document.

The tables above are derived from the dimensional specifications set in the order specifications (BSP) and quality control (QI) documents for Bredel pump hoses. Since it is derived data and it is not updated automatically in case of new hose size introductions and/or dimensional change in existing hose sizes, some deviation may occur over time.

To prevent that this document becomes too outdated a 3-yearly review is scheduled.

Next review is due on: 9-10-2017

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REVISION TABLE

Rev.	Description	Author	Date	Remarks
0	First release	TP	12-12-2013	
A	Added: footnote on length Bredel hoses	TP	12-06-2014	
B	Minimum hose length includes 1% shrinkage. Changed footnote under Rev. A accordingly.	TP	9-10-2014	
C				