

HAELOK® TECHNICAL DATA STEEL (CC).

PIPES

Approved pipe tolerances and corresponding standards

Inch pipe outside diameter

DN	Size	Nominal outer- \varnothing according to standard		Permissible wall thickness HLK-10 (Standard)		Permissible wall thickness HLK-12 (THERMO®)	
		OD1 _{nom}	OD2 _{nom}	s _{min}	s _{max}	s _{min}	s _{max}
8	¼"	13.50	13.72	1.60	2.30	1.60	2.30
10	⅜"	17.20	17.15	1.60	2.80	1.60	2.60
15	½"	21.30	21.26	1.60	2.80	1.60	2.60
20	¾"	26.90	26.67	2.10	3.90	2.00	2.90
25	1"	33.70	33.41	2.30	4.60	2.00	3.20
32	1 1/4"	42.40	42.16	2.60	5.10	2.30	3.60
40	1 1/2"	48.30	48.26	2.60	5.10	2.30	3.60
50	2"	60.30	60.33	2.60	5.10	2.30	3.60
65	2 1/2"	76.10	76.10	2.30	5.00	2.30	4.00
80	3"	88.90	88.90	2.30	5.60	2.30	4.50
100	4"	114.30	114.30	2.60	5.60	2.60	4.50

MATCHING PIPE SPECIFICATIONS STEEL (CC)

OD1 EN 10305, EN 10220, EN 10255
 OD2 ASTM A213 (Schedule 10/40)

MATCHING PIPE SPECIFICATIONS THERMO® STEEL (CC)

OD1 EN 253, EN10217-1, EN10217-2
 EN 10216-1, EN 10216-2

CONFORM TO

ASME B31.1 & B31.3 & FFI

In case you want to use other pipes with our system contact our sales department (sales@haelok.com).

Applicable pipes

HAELOK® fittings are applicable for carbon steel pipes and primed carbon steel pipes. Seamless or welded.

The pipe surface must be clean and without grooves or strong scoring. (Grooves > 0.1 mm are not allowed)

Loose rolling skin, scale and rust must be removed. Hot-rolled tubes or tubes with scaly surfaces are not permitted.

Pipe hardness: Maximum values of 90 (Rockwell B) are permissible.

PRESSURE & TEMPERATURE

Applications and burst pressure testing of our fittings

Inch tube outside diameter

DN	Size	OD _{nom}	PN (nominal pressure) Safety factor 2	^s (wall thickness)	Burst pressure test
8	¼"	13.5	600 bar	1.8	1137 bar
10	⅜"	17.2	400 bar	1.8	800 bar
15	½"	21.3	400 bar	2.0	800 bar
20	¾"	26.9	400 bar	2.3	800 bar
25	1"	33.7	400 bar	2.6	800 bar
32	1 ¼"	42.4	300 bar	2.6	600 bar
40	1 ½"	48.3	300 bar	2.6	600 bar
50	2"	60.3	300 bar	2.6	600 bar
65	2 ½"	76.1	125 bar	3.2	250 bar
80	3"	88.9	125 bar	3.2	250 bar
100	4"	114.3	125 bar	3.6	250 bar

Temperature ranges

Temp C°	C-Steel (CC)
50	0%
100	10%
150	21%
200	31%
250	37%
300	45%

Temperature range is from -20°C to +300°C, depending on the material used. At raised temperatures the maximum working pressure must be reduced by the value according to the table:

Flow coefficients are available on request.