Flexalen® Compression fitting system
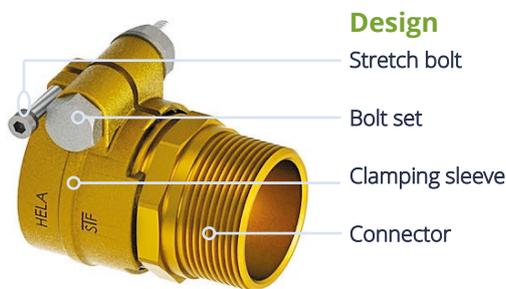
Pre-insulated piping system by Thermaflex®

Mechanical fitting system for Flexalen® PB service pipes

Design
- Stretch bolt
- Bolt set
- Clamping sleeve
- Connector

Benefits

- Fast and easy installation without special tools
- Safest choice for underground and accessible area installation at high-pressure up to rating 95°C/8bar*
- System certification BRL 5609-2[1] and QB08 (Avis technique Flexalen) certified
- Safe and durable connection without rubber sealings

Technical Properties

Compression fitting system for Flexalen® PB service pipes for potable water, heating and district heating applications. The Compression fitting system is included in the CSTB/QB08 and KIWA Flexalen® system certifications and third-party controlled according BRL KOMO 5609-2[1] and Avis technique Flexalen.

Properties	
Max. operating pressure	8bar*(95°C)
Standard dimension ratio (Service pipe)	SDR11
Pipe series (Service pipe)	S5
Suitable for service pipes with and without EVOH layer Suitable to connect PB to other pipe systems	

*depending on diameter

[1] Dimensions OD25 to OD90mm

Material	
Material fitting body / Connector*	CW625N, CB770S
Weld adapter	S355
Clamp sleeve*	CW625N and CB770S
Bolt set (Tightening bolt) Stretch bolt	Stainless steel 316 Zinc Zn

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Availability

Compression fitting, Male thread					
Product code	Service pipe OD x s [mm]	Transition MT (BSP) [mm]	L [mm]	L1 [mm]	Weight [kg]
1730-020000-481*	20 x 2.8	3/4"	61	25.5	0.19
1730-025000-481	25 x 2.3	3/4"	61	26.0	0.19
1730-032000-481	32 x 3.0	1"	68	29.0	0.32
1730-040000-481	40 x 3.7	5/4"	77	36.0	0.55
1730-050000-481	50 x 4.6	6/4"	79	36.0	0.64
1730-063000-481	63 x 5.8	2"	97	46.0	1.13
1730-075000-481	75 x 6.8	2 1/2"	107	53.0	1.68
1730-090000-481	90 x 8.2	3"	119	58.0	2.59
1730-110000-481	110 x 10.0	4"	135	70.0	4.05
1730-125000-481	125 x 11.4	4"	136	69.0	5.16
1730-140000-481	140 x 12.7	5"	137	70.0	6.71
1730-160000-481	160 x 14.6	6"	145	70.0	7.64

*SDR7.4 / S3.2
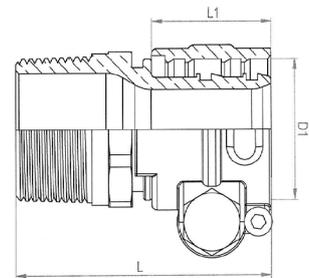
Compression fitting, Weld adapter					
Product code	Service pipe OD x s [mm]	Transition NPS (DN) [mm]	L [mm]	L1 [mm]	Weight [kg]
1730-025000-480	25 x 2.3	DN20	61	26	0.18
1730-032000-480	32 x 3.0	DN25	63	29	0.28
1730-040000-480	40 x 3.7	DN32	75	36	0.50
1730-050000-480	50 x 4.6	DN40	84	36	0.64
1730-063000-480	63 x 5.8	DN50	88	46	0.97
1730-075000-480	75 x 6.8	DN65	101	53	1.57
1730-090000-480	90 x 8.2	DN80	108	58	2.29
1730-110000-480	110 x 10.0	DN100	114	70	3.53
1730-125000-480	125 x 11.4	DN100	120	69	4.34
1730-140000-480	140 x 12.7	DN125	120	70	5.60
1730-160000-480	160 x 14.6	DN150	145	70	7.23
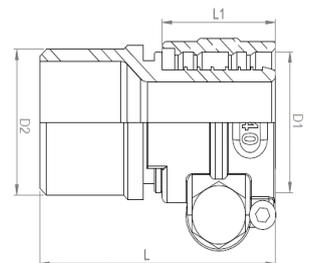
Availability

Compression Coupler				
Product code	**Service pipe OD x s [mm]**	**Service pipe OD x s [mm]**	**L [mm]**	**L2 [mm]**	**Weight [kg]**
1730-025025-480	25 x 2.3	25 x 2.3	68	26	0.27
1730-032032-480	32 x 3.0	32 x 3.0	75	29	0.44
1730-040040-480	40 x 3.7	40 x 3.7	90	36	0.82
1730-050050-480	50 x 4.6	50 x 4.6	90	36	0.99
1730-063063-480	63 x 5.8	63 x 5.8	110	46	1.69
1730-075075-480	75 x 6.8	75 x 6.8	128	53	2.64
1730-090090-480	90 x 8.2	90 x 8.2	144	58	4.01
1730-110110-480	110 x 10.0	110 x 10.0	168	70	6.35
1730-125125-480	125 x 11.4	125 x 11.4	167	69	8.10
1730-140140-480	140 x 12.7	140 x 12.7	169	70	10.17
1730-160160-480	160 x 14.6	160 x 14.6	169	70	11.64
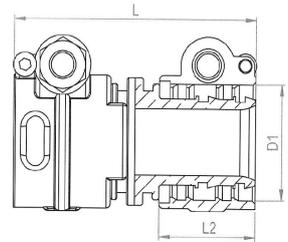
Brass Thread Flange for Compression Fitting System						
Product code	**DN**	**D1/x**	**L [mm]**	**L1 [mm]**	**H [mm]**	**H1 [mm]**
1730-032000-488	25	15/4	115	85	22	13
1730-040000-488	32	18/4	140	100	20	13
1730-050000-488	40	18/4	151	110	24	15
1730-063000-488	50	18/4	165	125	20	13
1730-075000-488	65	18/4	185	145	30	18
1730-090000-488	80	18/4	200	160	30	20