

BIS Phenblox® Support Inserts



BIS Phenblox® Selection Chart

How to use the BIS Phenblox® Selection Chart

- Step 1: Select insulation thickness (A)
- Step 2: Select matching Clamp (B, C, or D)

A. BIS Phenblox®



- Load bearing insulation ring
- Self-adhesive closure tab
- Stepped joint faces

B. BIS Bifix® 300 Clamps M10



- 2 screw clamp
- Patented quick locking system
- Zinc plated finish

C. BIS HD 500 Clamps



- Heavy duty
- CO₂ welded connection nut
- Captive locking nuts and bolts
- Zinc plated finish

D. BIS Split Band Clips



- 2 piece clamp
- Zinc plated finish

DN (mm)	D (mm)	Product Type	Insulation thickness					
			15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
-	15	A	89 0 10 15 015	89 0 10 20 015	89 0 10 25 015	89 0 10 30 015	89 0 10 40 015	89 0 10 50 015
		B	302 3 042	302 3 060	302 3 068	302 3 076	302 3 094	302 3 118
		C	3303 3 045	3303 3 058	3303 3 065	3304 3 078	3304 3 106	3304 3 116
		D	B409 3 046	B409 3 056	B409 3 066	B409 3 077	B409 3 096	B409 3 117
15	21 - 22	A	89 0 10 15 021	89 0 10 20 021	89 0 10 25 021	89 0 10 30 021	89 0 10 40 021	89 0 10 50 021
		B	302 3 051	302 3 060	302 3 076	302 3 085	302 3 105	302 3 125
		C	3303 3 052	3303 3 065	3303 3 071	3304 3 085	3304 3 106	3304 3 121
		D	B409 3 053	B409 3 063	B409 3 073	B409 3 081	B409 3 100	B409 3 122
20	27 - 28	A	89 0 10 15 027	89 0 10 20 027	89 0 10 25 027	89 0 10 30 027	89 0 10 40 027	89 0 10 50 027
		B	302 3 060	302 3 068	302 3 085	302 3 089	302 3 111	302 3 127
		C	3303 3 058	3303 3 071	3304 3 078	3304 3 092	3304 3 106	3304 3 133
		D	B409 3 063	B409 3 070	B409 3 077	B409 3 089	B409 3 109	B409 3 127
25	34 - 35	A	89 0 10 15 034	89 0 10 20 034	89 0 10 25 034	89 0 10 30 034	89 0 10 40 034	89 0 10 50 034
		B	302 3 068	302 3 076	302 3 085	302 3 094	302 3 118	302 3 134
		C	3303 3 065	3304 3 078	3304 3 085	3304 3 092	3304 3 116	3304 3 140
		D	B409 3 066	B409 3 077	B409 3 085	B409 3 096	B409 3 117	B409 3 139
32	42	A	89 0 10 15 042	89 0 10 20 042	89 0 10 25 042	89 0 10 30 042	89 0 10 40 042	89 0 10 50 042
		B	302 3 076	302 3 085	302 3 094	302 3 105	302 3 125	302 3 144
		C	3304 3 078	3304 3 085	3304 3 092	3304 3 106	3304 3 121	3304 3 133
		D	B409 3 073	B409 3 083	B409 3 092	B409 3 103	B409 3 122	B409 3 134
40	48	A	89 1 10 15 048	89 1 10 20 048	89 1 10 25 048	89 1 10 30 048	89 1 10 40 048	89 1 10 50 048
		B	302 3 076	302 3 089	302 3 105	302 3 111	302 3 134	302 3 151
		C	3304 3 078	3304 3 092	3304 3 106	3304 3 116	3304 3 133	3304 3 154
		D	B409 3 081	B409 3 089	B409 3 100	B409 3 109	B409 3 132	B409 3 152
-	54	A	89 1 10 15 054	89 1 10 20 054	89 1 10 25 054	89 1 10 30 054	89 1 10 40 054	89 1 10 50 054
		B	302 3 089	302 3 094	302 3 105	302 3 118	302 3 134	302 3 155
		C	3304 3 085	3304 3 092	3304 3 106	3304 3 116	3304 3 140	3304 3 154
		D	B409 3 089	B409 3 096	B409 3 106	B409 3 114	B409 3 139	B409 3 155
50	60	A	89 1 10 15 060	89 1 10 20 060	89 1 10 25 060	89 1 10 30 060	89 1 10 40 060	89 1 10 50 060
		B	302 3 089	302 3 105	302 3 111	302 3 125	302 3 144	302 3 162
		C	3304 3 092	3304 3 106	3304 3 116	3304 3 123	3304 3 140	3304 3 169
		D	B409 3 092	B409 3 103	B409 3 114	B409 3 122	B409 3 143	B409 3 163
-	66	A	89 1 10 15 066	89 1 10 20 066	89 1 10 25 066	89 1 10 30 066	89 1 10 40 066	89 1 10 50 066
		B	302 3 094	302 3 105	302 3 118	302 3 127	302 3 151	302 3 169
		C	3304 3 106	3304 3 106	3304 3 116	3304 3 133	3304 3 154	3304 3 169
		D	B409 3 096	B409 3 109	B409 3 117	B409 3 127	B409 3 148	B409 3 168
65	76	A	89 1 10 15 076	89 1 10 20 076	89 1 10 25 076	89 1 10 30 076	89 1 10 40 076	89 1 10 50 076
		B	302 3 111	302 3 118	302 3 127	302 3 144	302 3 155	302 3 180
		C	3304 3 106	3304 3 116	3304 3 133	3304 3 140	3304 3 154	3304 3 183
		D	B409 3 106	B409 3 117	B409 3 127	B409 3 139	B409 3 159	B409 3 176
80	89	A	89 1 10 15 089	89 1 10 20 089	89 1 10 25 089	89 1 10 30 089	89 1 10 40 089	89 1 10 50 089
		B	302 3 125	302 3 134	302 3 144	302 3 151	302 3 169	302 3 190
		C	3304 3 121	3304 3 133	3304 3 140	3304 3 154	3304 3 169	3304 3 202
		D	B409 3 122	B409 3 132	B409 3 139	B409 3 152	B409 3 172	B409 3 190
-	108	A	89 1 10 15 108	89 1 10 20 108	89 1 10 25 108	89 1 10 30 108	89 1 10 40 108	89 1 10 50 108
		B	302 3 144	302 3 151	302 3 162	302 3 169	302 3 190	302 3 219
		C	3304 3 140	3304 3 154	3304 3 169	3304 3 169	3304 3 202	3304 3 219
		D	B409 3 139	B409 3 148	B409 3 159	B409 3 168	B409 3 190	B409 3 212
100	114	A	89 1 10 15 114	89 1 10 20 114	89 1 10 25 114	89 1 10 30 114	89 1 10 40 114	89 1 10 50 114
		B	302 3 144	302 3 155	302 3 169	302 3 180	302 3 190	302 3 219
		C	3304 3 140	3304 3 154	3304 3 169	3304 3 183	3304 3 202	3304 3 219
		D	B409 3 143	B409 3 155	B409 3 168	B409 3 176	B409 3 196	B409 3 216
-	133	A	89 1 10 15 133	89 1 10 20 133	89 1 10 25 133	89 1 10 30 133	89 1 10 40 133	89 1 10 50 133
		B	302 3 169	302 3 180	302 3 180	302 3 190	302 3 219	N/A
		C	3304 3 169	3304 3 183	3304 3 183	3304 3 202	3304 3 219	3306 3 241
		D	B409 3 163	B409 3 172	B409 3 183	B409 3 193	B409 3 216	B409 3 236
125	140	A	89 1 10 15 140	89 1 10 20 140	89 1 10 25 140	89 1 10 30 140	89 1 10 40 140	89 1 10 50 140
		B	302 3 169	302 3 180	302 3 190	302 3 200	302 3 219	N/A
		C	3304 3 169	3304 3 183	3304 3 202	3304 3 202	3306 3 227	3306 3 254
		D	B409 3 172	B409 3 180	B409 3 190	B409 3 202	B409 3 220	B409 3 240
-	159	A	89 1 10 15 159	89 1 10 20 159	89 1 10 25 159	89 1 10 30 160	89 1 10 40 159	89 1 10 50 159
		B	302 3 190	302 3 200	302 3 219	302 3 219	N/A	N/A
		C	3304 3 202	3304 3 202	3304 3 219	3304 3 219	3306 3 254	3306 3 279
		D	B409 3 190	B409 3 202	B409 3 212	B409 3 220	B409 3 240	B409 3 260
150	168	A	89 1 12 15 168	89 1 12 20 168	89 1 12 25 168	89 1 12 30 168	89 1 12 40 168	89 1 12 50 168
		B	302 3 200	302 3 219	302 3 219	N/A	N/A	N/A
		C	3304 3 202	3304 3 219	3304 3 219	3306 3 241	3306 3 254	3306 3 279
		D	B409 3 202	B409 3 212	B409 3 220	B409 3 232	B409 3 250	B409 3 270

BIS Phenblox® Support Inserts

Features and benefits

- Bore coating eradicates any possibility of pipe corrosion on copper pipes
- Stepped joint faces to ensure vapour seal and accurate location
- Guaranteed compatibility with clamps
- Best available thermal insulation properties
- Excellent chemical resistance and does not support vermin or mould
- Cell structure resists moisture absorption
- More cost effective than wood, calcium silicate or foam glass due to higher insulation value
- Class 'O' fire rated



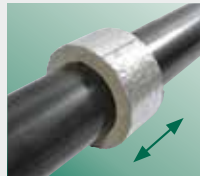
How to install



1. Ensure correct size of block. Lift sealing tag, open block and position around pipe.



2. Close block around pipe and re-seal tag.



3. Slide block to correct position.



4. Fit pipe clamp and drop rod. Insulation can be applied to pipe and vapour sealed.

Specific characteristics

- Insulation rings
- Foil covering
- Metal spreader plate above 50 Nb
- Available in standard insulation thickness: 15, 20, 25, 30, 40 and 50 mm. Others available on request
- Made in accordance with our ISO 9001:2008 approval

Technical characteristics

- Manufactured from high density Phenolic Foam
 - < 159 mm OD pipe - 80 kg/m³
 - > 168 mm OD pipe - 120 kg/m³
- Free from CFC's and HCFC's
- Temperature resistance from -50°C to +110°C
- K value 0,030 to 0,032 W/m C at 10°C
- Class 'O' fire rated to BS 476/7
- 5% smoke emission to BS 5111
- Negligible water absorption
- Ignitability BS476 Pt5 Class 'P'

See selection chart on the inside of leaflet for part numbers and sizes.

The Netherlands Scandinavia – Finland

Walraven B.V.
P.O. Box 15
3640 AA Mijdrecht (NL)
Tel. +31 (0)297 23 30 00
Fax +31 (0)297 23 30 99
info@walraven.com



United Kingdom Ireland

Walraven Ltd.
Thorpe Way, Banbury (GB)
Oxon, OX16 4UU
Tel. +44 (0)1295 75 34 00
Fax +44 (0)1295 75 34 28
sales.banbury@walraven.com



Germany Austria – Switzerland – South East Europe

Walraven GmbH
Postfach 125128
95425 Bayreuth (DE)
Tel. +49 (0)921 75 60 0
Fax +49 (0)921 75 60 111
info@walraven.de

Other countries

Walraven International
P.O. Box 15
3640 AA Mijdrecht (NL)
Tel. +31 (0)297 23 30 00
Fax +31 (0)297 23 30 99
export@walraven.com



Walraven Group

Mijdrecht (NL) · Tienen (BE) · Bayreuth (DE)
Grenoble (FR) · Banbury (GB) · Madrid (ES)
Barcelona (ES) · Mladá Boleslav (CZ)
Kraków (PL) · Kyiv (UA) · Moscow (RU)
Detroit (US) · Shanghai (CN)

walraven.com

Your wholesaler: