

Certificate of Product Approval

Certificate Number: 988Da

Issue: 01

SHIELD FIRE, SAFETY AND SECURITY LIMITED

Unit 3 Endeavour Drive
Basildon
Essex
SS14 3WF
United Kingdom



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

'SHIELD' Pipe Couplings and Fittings
(Refer to attached appendix for details)

Standards

LPS 1219: Issue 3
Requirements and testing procedures for the LPCB approval and listing of pipe couplings

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S.A. Colwell

Signed for BRE Global Ltd.

Sarah Colwell
Verifier

13 January 2022
Date of Issue

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Appendix to Certificate No: 988Da SHIELD FIRE, SAFETY AND SECURITY LIMITED

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'SHIELD' Pipe Couplings to LPS 1219: Issue 3

Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 25 Flexible Coupling	25	33.7	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	32	42.4	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	40	48.3	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	50	60.3	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	65	73.0	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	65	76.1	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	80	88.9	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	100	108.0	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	100	114.3	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	125	133.0	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	125	139.7	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	125	141.3	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	150	159.0	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	150	165.1	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	150	168.3	R&C	EPDM	25	988Da/01
SDG 25 Flexible Coupling	200	219.1	R&C	EPDM	25	988Da/01
SDG 22 Rigid Coupling	25	33.7	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	32	42.4	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	40	48.3	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	50	60.3	R&C	EPDM	25	988Da/02

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 22 Rigid Coupling	65	73.0	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	65	76.1	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	80	88.9	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	100	108.0	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	100	114.3	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	125	133.0	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	125	139.7	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	125	141.3	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	150	159.0	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	150	165.1	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	150	168.3	R&C	EPDM	25	988Da/02
SDG 22 Rigid Coupling	200	219.1	R&C	EPDM	25	988Da/02
SDG 30 Reducing Flexible Coupling	50 x 32	60.3 x 42.4	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	50 x 40	60.3 x 48.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	65 x 50	73.0 x 60.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	65 x 40	76.1 x 48.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	65 x 50	76.1 x 60.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	80 x 50	88.9 x 60.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	80 x 65	88.9 x 73.0	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	80 x 65	88.9 x 76.1	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	100 x 50	114.3 x 60.3	R&C	EPDM	16	988Da/03

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 30 Reducing Flexible Coupling	100 x 65	114.3 x 73.0	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	100 x 65	114.3 x 76.1	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	100 x 80	114.3 x 88.9	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	150 x 100	165.1 x 114.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	150 x 100	168.3 x 114.3	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	200 x 150	219.1 x 165.1	R&C	EPDM	16	988Da/03
SDG 30 Reducing Flexible Coupling	200 x 150	219.1 x 168.3	R&C	EPDM	16	988Da/03
SDG 20 Light Duty Rigid Coupling	65	76.1	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	80	88.9	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	100	108.0	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	100	114.3	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	125	139.7	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	125	141.3	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	150	159.0	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	150	165.1	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	150	168.3	R&C	EPDM	16	988Da/04
SDG 20 Light Duty Rigid Coupling	200	219.1	R&C	EPDM	16	988Da/04
SDG 42 Threaded Mechanical Tee	100 x 65	114.3 x 76.1	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	100 x 80	114.3 x 88.9	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	125 x 65	139.7 x 76.1	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	125 x 80	139.7 x 88.9	T	EPDM	16	988Da/05

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 42 Threaded Mechanical Tee	125 x 100	139.7 x 114.3	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 65	165.1 x 76.1	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 80	165.1 x 88.9	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 100	165.1 x 114.3	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 65	168.3 x 76.1	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 80	168.3 x 88.9	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	150 x 100	168.3 x 114.3	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	200 x 65	219.1 x 76.1	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	200 x 80	219.1 x 88.9	T	EPDM	16	988Da/05
SDG 42 Threaded Mechanical Tee	200 x 100	219.1 x 114.3	T	EPDM	16	988Da/05
SDG 44 Grooved Mechanical Tee	100 x 65	114.3 x 76.1	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	100 x 80	114.3 x 88.9	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	125 x 65	139.7 x 76.1	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	125 x 80	139.7 x 88.9	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	125 x 100	139.7 x 114.3	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 65	165.1 x 76.1	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 80	165.1 x 88.9	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 100	165.1 x 114.3	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 65	168.3 x 76.1	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 80	168.3 x 88.9	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	150 x 100	168.3 x 114.3	G	EPDM	16	988Da/06

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 44 Grooved Mechanical Tee	200 x 65	219.1 x 76.1	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	200 x 80	219.1 x 88.9	G	EPDM	16	988Da/06
SDG 44 Grooved Mechanical Tee	200 x 100	219.1 x 114.3	G	EPDM	16	988Da/06
SDG 15 Grooved Flange	40	48.3	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	50	60.3	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	65	76.1	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	80	88.9	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	100	114.3	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	125	139.7	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	150	165.1	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	150	168.3	R&C	EPDM	16	988Da/08
SDG 15 Grooved Flange	200	219.1	R&C	EPDM	16	988Da/08

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Issue: 01

'SHIELD' Pipe Fittings to LPS 1219: Issue 3

Product	Pipe Outside Diameter (mm)	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 100 90° Elbow	33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	25	988Da/09
SDG 105 Short Style 90° Elbow	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	16	988Da/10
SDG 12 Tee	33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	25	988Da/11
SDG 102 Short Style Tee	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	16	988Da/12
SDG 200 45° Elbow	33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	25	988Da/13
SDG 14 Cap	33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	25	988Da/14
SDG 13 Cross	42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	25	988Da/15
SDG 225 22.5° Elbow	76.1, 88.9, 114.3, 139.7, 165.1, 219.1	25	988Da/16
SDG 112 11.25° Elbow	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	25	988Da/17
SDG 16 Adaptor Flange	33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 168.3, 219.1	16	988Da/18
SDG 35 Concentric Reducer Grooved	42.4 x 33.7, 48.3 x 42.4, 60.3 x 48.3, 76.1 x 60.3, 88.9 x 76.1, 114.3 x 88.9, 139.7 x 114.3, 165.1 x 139.7, 168.3 x 139.7, 219.1 x 168.3	25	988Da/19
SDG 37 Concentric Reducer Threaded	60.3 x 48.3, 76.1 x 60.3, 88.9 x 76.1, 114.3 x 88.9, 139.7 x 114.3	25	988Da/20

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Product	Pipe Outside Diameter (mm)	Maximum Working Pressure (bar)	LPCB Ref. No.
SDG 53 Reducing Tee	60.3 x 33.7, 60.3 x 48.3, 76.1 x 48.3, 76.1 x 60.3, 88.9 x 33.7, 88.9 x 48.3, 88.9 x 60.3, 88.9 x 76.1, 114.3 x 33.7, 114.3 x 48.3, 114.3 x 60.3, 114.3 x 76.1, 114.3 x 88.9, 139.7 x 114.3, 165.1 x 88.9, 165.1 x 114.3, 165.1 x 139.7, 168.3 x 60.3, 168.3 x 76.1, 168.3 x 88.9, 168.3 x 114.3, 168.3 x 139.7, 219.1 x 60.3, 219.1 x 88.9, 219.1 x 114.3, 219.1 x 168.3	25	988Da/21

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