

# Enclosure: Conduit Outlet Bodies (Rectangular Box), DSB Series



## Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

### Application

The DSB rectangular boxes are designed for use in the conduit system in hazardous areas, zone 1,2 and 21,22

- to provide opening for taps, splices or pull outlet for conductors.
- to provide an access to conduit system for maintenance.
- to change conduit direction.
- to use with threaded rigid steel conduit (RSC) or intermediate metal conduit (IMC).

### Specification

Body, cover : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)

Lid screws : Stainless steel

### Technical Data

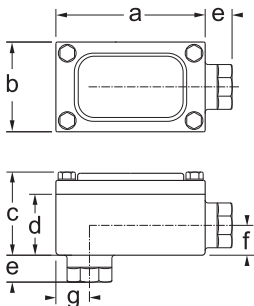
<b>Hazardous Area</b>	Gas	Dust
<b>Zones</b>	1 & 2	21 & 22
<b>Conforming to ATEX</b>	Ex II 2G	Ex II 2D
<b>Symbol of Protection ATEX</b>	Ex db IIB Gb	Ex tb IIIC Db IP65
<b>ATEX Certificate</b>	TÜV CY 16 ATEX 0205813 U	
<b>Compliance with</b>	Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU	
<b>Standards</b>	EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014	
<b>Ambient Temperature</b>	-20°C to +55°C	
<b>Index of Protection</b>	IP65 (Grease to increase protection) *	

\* Recommended "alloy PG1 performance grease" for protect flameproof joint against corrosion and increase the level of the degree of protection.



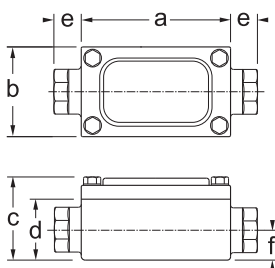
### Ordering Requirements and Dimension

#### DSBB : 2-Ways Angle (Bottom)



Entries	Cat. No.	Volume (dm <sup>3</sup> )	Dimension in mm.							Approx. Weight (kgs.)
			a	b	c	d	e	f	g	
Ø1/2" NPT	<b>DSBB 1</b>	0.11	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
Ø3/4" NPT	<b>DSBB 2</b>	0.18	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
Ø1" NPT	<b>DSBB 3</b>	0.36	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
Ø1-1/4" NPT	<b>DSBB 4</b>	0.58	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
Ø1-1/2" NPT	<b>DSBB 5</b>	0.80	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
Ø2" NPT	<b>DSBB 6</b>	1.95	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
Ø2-1/2" NPT	<b>DSBB 7</b>	3.40	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
Ø3" NPT	<b>DSBB 8</b>	4.90	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
Ø3-1/2" NPT	<b>DSBB 9</b>	8.60	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
Ø4" NPT	<b>DSBB 10</b>	8.95	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

#### DSBC : 2-Ways Through-feed



Entries	Cat. No.	Volume (dm <sup>3</sup> )	a	b	c	d	e	f	g	Approx. Weight (kgs.)
Ø1/2" NPT	<b>DSBC 1</b>	0.11	100.0	44.0	56.0	43.0	20.0	20.0	--	0.47
Ø3/4" NPT	<b>DSBC 2</b>	0.18	110.0	50.0	62.0	49.0	20.0	22.0	--	0.59
Ø1" NPT	<b>DSBC 3</b>	0.36	130.5	60.0	76.5	61.0	24.0	24.0	--	0.95
Ø1-1/4" NPT	<b>DSBC 4</b>	0.58	144.0	65.0	88.5	73.0	24.5	32.5	--	1.25
Ø1-1/2" NPT	<b>DSBC 5</b>	0.80	161.0	70.0	95.5	78.5	26.5	35.0	--	1.64
Ø2" NPT	<b>DSBC 6</b>	1.95	200.0	111.0	121.5	104.5	25.0	46.0	--	3.20
Ø2-1/2" NPT	<b>DSBC 7</b>	3.40	231.0	128.0	153.0	133.0	32.0	66.5	--	4.55
Ø3" NPT	<b>DSBC 8</b>	4.90	262.0	142.0	162.0	142.0	34.0	71.0	--	5.71
Ø3-1/2" NPT	<b>DSBC 9</b>	8.60	311.0	174.0	197.0	173.0	35.5	77.0	--	8.55
Ø4" NPT	<b>DSBC 10</b>	8.95	311.0	174.0	197.0	173.0	36.0	77.0	--	8.85

# Enclosure: Conduit Outlet Bodies (Rectangular Box), DSB Series

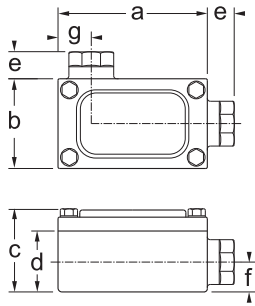


Flameproof and Dust protection by enclosure

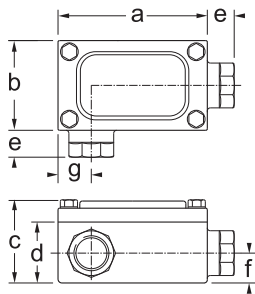
Zone 1 & 2 – 21 & 22

## Ordering Requirements and Dimension

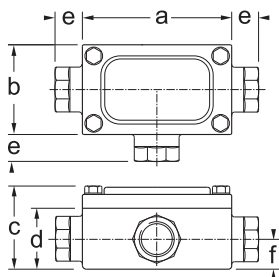
DSBL : 2-Ways Angle (Left)



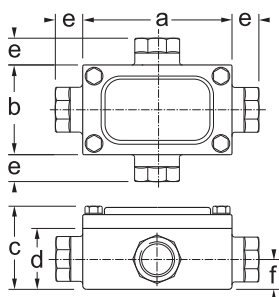
DSBR : 2-Ways Angle (Right)



DSBT : 3-Ways



DSBX : 4-Ways



Entries	Cat. No.	Volume (dm <sup>3</sup> )	Dimension in mm.							Approx. Weight (Kgs.)
			a	b	c	d	e	f	g	
Ø1/2" NPT	DSBL 1	0.11	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
Ø3/4" NPT	DSBL 2	0.18	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
Ø1" NPT	DSBL 3	0.36	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
Ø1-1/4" NPT	DSBL 4	0.58	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
Ø1-1/2" NPT	DSBL 5	0.80	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
Ø2" NPT	DSBL 6	1.95	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
Ø2-1/2" NPT	DSBL 7	3.40	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
Ø3" NPT	DSBL 8	4.90	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
Ø3-1/2" NPT	DSBL 9	8.60	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
Ø4" NPT	DSBL 10	8.95	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

			a	b	c	d	e	f	g	
Ø1/2" NPT	DSBR 1	0.11	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
Ø3/4" NPT	DSBR 2	0.18	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
Ø1" NPT	DSBR 3	0.36	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
Ø1-1/4" NPT	DSBR 4	0.58	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
Ø1-1/2" NPT	DSBR 5	0.80	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
Ø2" NPT	DSBR 6	1.95	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
Ø2-1/2" NPT	DSBR 7	3.40	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
Ø3" NPT	DSBR 8	4.90	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
Ø3-1/2" NPT	DSBR 9	8.60	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
Ø4" NPT	DSBR 10	8.95	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

			a	b	c	d	e	f	g	
Ø1/2" NPT	DSBT 1	0.12	100.0	44.0	56.0	43.0	20.0	20.0	–	0.47
Ø3/4" NPT	DSBT 2	0.20	110.0	50.0	62.0	49.0	20.0	22.0	–	0.59
Ø1" NPT	DSBT 3	0.38	130.5	60.0	76.5	61.0	24.0	24.0	–	0.95
Ø1-1/4" NPT	DSBT 4	0.60	144.0	65.0	88.5	73.0	24.5	32.5	–	1.25
Ø1-1/2" NPT	DSBT 5	0.83	161.0	70.0	95.5	78.5	26.5	35.0	–	1.64
Ø2" NPT	DSBT 6	2.00	200.0	111.0	121.5	104.5	25.0	46.0	–	3.20
Ø2-1/2" NPT	DSBT 7	3.42	231.0	128.0	153.0	133.0	32.0	66.5	–	4.55
Ø3" NPT	DSBT 8	4.92	262.0	142.0	162.0	142.0	34.0	71.0	–	5.71
Ø3-1/2" NPT	DSBT 9	8.62	311.0	174.0	197.0	173.0	35.5	77.0	–	8.55
Ø4" NPT	DSBT 10	8.99	311.0	174.0	197.0	173.0	36.0	77.0	–	8.85

			a	b	c	d	e	f	g	
Ø1/2" NPT	DSBX 1	0.13	100.0	44.0	56.0	43.0	20.0	20.0	–	0.47
Ø3/4" NPT	DSBX 2	0.21	110.0	50.0	62.0	49.0	20.0	22.0	–	0.59
Ø1" NPT	DSBX 3	0.40	130.5	60.0	76.5	61.0	24.0	24.0	–	0.95
Ø1-1/4" NPT	DSBX 4	0.62	144.0	65.0	88.5	73.0	24.5	32.5	–	1.25
Ø1-1/2" NPT	DSBX 5	0.85	161.0	70.0	95.5	78.5	26.5	35.0	–	1.64
Ø2" NPT	DSBX 6	2.04	200.0	111.0	121.5	104.5	25.0	46.0	–	3.20
Ø2-1/2" NPT	DSBX 7	3.44	231.0	128.0	153.0	133.0	32.0	66.5	–	4.55
Ø3" NPT	DSBX 8	4.94	262.0	142.0	162.0	142.0	34.0	71.0	–	5.71
Ø3-1/2" NPT	DSBX 9	8.64	311.0	174.0	197.0	173.0	35.5	77.0	–	8.55
Ø4" NPT	DSBX 10	9.00	311.0	174.0	197.0	173.0	36.0	77.0	–	8.85