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

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

ALLOY ELECTRIC PRODUCTS A QUALITY PRODUCT

Application

DSB rectangular boxes are designed for use in conduit systems in hazardous areas, including Zones 1, 2, 21, and 22:

- To provide openings for taps, splices, or pull-outlets for conductors.
- To provide access to the conduit system for maintenance.
- To change the direction of the conduit.
- To be used 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)

Bolts : Stainless steel, SS 304

Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex db IIB Gb	Ex tb IIIC Db
Certificate	TÜV CY 16 ATEX 0205813U	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-31	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP65 (Grease to increase protection) *	

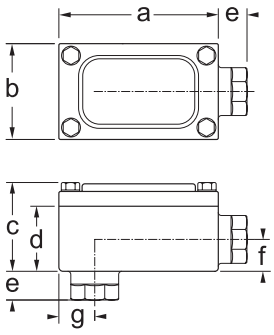
* Recommened “alloy PG1 performance grease” for protect flameproof joint against corrosion and increase the level of the degree of protection.



DSBB DSBC DSBL DSBR DSBT DSBX

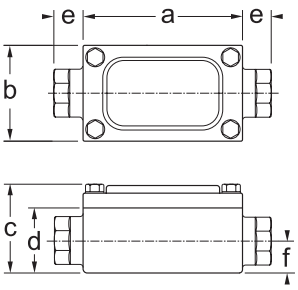
Ordering Requirements and Dimensions

DSBB : 2-way angle (bottom)



Entry threads	Cat. No.	Volume (cm³)	Dimensions in mm							Approx. weight (kg)
			a	b	c	d	e	f	g	
1/2” NPT	DSBB 1	110	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
3/4” NPT	DSBB 2	180	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
1” NPT	DSBB 3	360	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
1-1/4” NPT	DSBB 4	580	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
1-1/2” NPT	DSBB 5	800	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
2” NPT	DSBB 6	1,950	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
2-1/2” NPT	DSBB 7	3,400	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
3” NPT	DSBB 8	4,900	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
3-1/2” NPT	DSBB 9	8,600	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
4” NPT	DSBB 10	8,950	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

DSBC : 2-way through-feed



			a	b	c	d	e	f	g	
1/2” NPT	DSBC 1	110	100.0	44.0	56.0	43.0	20.0	20.0	-	0.47
3/4” NPT	DSBC 2	180	110.0	50.0	62.0	49.0	20.0	22.0	-	0.59
1” NPT	DSBC 3	360	130.5	60.0	76.5	61.0	24.0	24.0	-	0.95
1-1/4” NPT	DSBC 4	580	144.0	65.0	88.5	73.0	24.5	32.5	-	1.25
1-1/2” NPT	DSBC 5	800	161.0	70.0	95.5	78.5	26.5	35.0	-	1.64
2” NPT	DSBC 6	1,950	200.0	111.0	121.5	104.5	25.0	46.0	-	3.20
2-1/2” NPT	DSBC 7	3,400	231.0	128.0	153.0	133.0	32.0	66.5	-	4.55
3” NPT	DSBC 8	4,900	262.0	142.0	162.0	142.0	34.0	71.0	-	5.71
3-1/2” NPT	DSBC 9	8,600	311.0	174.0	197.0	173.0	35.5	77.0	-	8.55
4” NPT	DSBC 10	8,950	311.0	174.0	197.0	173.0	36.0	77.0	-	8.85

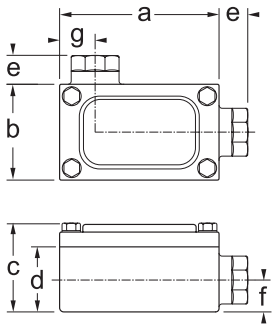
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Zone 1 & 2 – 21 & 22

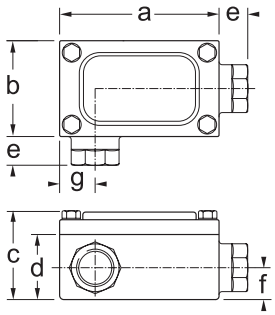
Ordering Requirements and Dimensions

DSBL : 2-way angle (left)



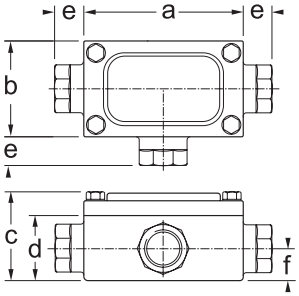
Entry threads	Cat. No.	Volume (cm^3)	Dimensions in mm							Approx. weight (kg)
			a	b	c	d	e	f	g	
1/2" NPT	**DSBL 1**	110	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
3/4" NPT	**DSBL 2**	180	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
1" NPT	**DSBL 3**	360	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
1-1/4" NPT	**DSBL 4**	580	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
1-1/2" NPT	**DSBL 5**	800	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
2" NPT	**DSBL 6**	1,950	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
2-1/2" NPT	**DSBL 7**	3,400	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
3" NPT	**DSBL 8**	4,900	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
3-1/2" NPT	**DSBL 9**	8,600	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
4" NPT	**DSBL 10**	8,950	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

DSBR : 2-way angle (right)



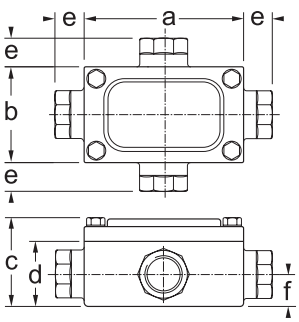
			a	b	c	d	e	f	g	
1/2" NPT	**DSBR 1**	110	100.0	44.0	56.0	43.0	20.0	20.0	20.0	0.47
3/4" NPT	**DSBR 2**	180	110.0	50.0	62.0	49.0	20.0	22.0	25.0	0.59
1" NPT	**DSBR 3**	360	130.5	60.0	76.5	61.0	24.0	24.0	27.0	0.95
1-1/4" NPT	**DSBR 4**	580	144.0	65.0	88.5	73.0	24.5	32.5	33.5	1.25
1-1/2" NPT	**DSBR 5**	800	161.0	70.0	95.5	78.5	26.5	35.0	43.0	1.64
2" NPT	**DSBR 6**	1,950	200.0	111.0	121.5	104.5	25.0	46.0	45.0	3.20
2-1/2" NPT	**DSBR 7**	3,400	231.0	128.0	153.0	133.0	32.0	66.5	55.0	4.55
3" NPT	**DSBR 8**	4,900	262.0	142.0	162.0	142.0	34.0	71.0	60.0	5.71
3-1/2" NPT	**DSBR 9**	8,600	311.0	174.0	197.0	173.0	35.5	77.0	78.0	8.55
4" NPT	**DSBR 10**	8,950	311.0	174.0	197.0	173.0	36.0	77.0	78.0	8.85

DSBT : 3-way



			a	b	c	d	e	f	g	
1/2" NPT	**DSBT 1**	120	100.0	44.0	56.0	43.0	20.0	20.0	–	0.47
3/4" NPT	**DSBT 2**	200	110.0	50.0	62.0	49.0	20.0	22.0	–	0.59
1" NPT	**DSBT 3**	380	130.5	60.0	76.5	61.0	24.0	24.0	–	0.95
1-1/4" NPT	**DSBT 4**	600	144.0	65.0	88.5	73.0	24.5	32.5	–	1.25
1-1/2" NPT	**DSBT 5**	830	161.0	70.0	95.5	78.5	26.5	35.0	–	1.64
2" NPT	**DSBT 6**	2,000	200.0	111.0	121.5	104.5	25.0	46.0	–	3.20
2-1/2" NPT	**DSBT 7**	3,420	231.0	128.0	153.0	133.0	32.0	66.5	–	4.55
3" NPT	**DSBT 8**	4,920	262.0	142.0	162.0	142.0	34.0	71.0	–	5.71
3-1/2" NPT	**DSBT 9**	8,620	311.0	174.0	197.0	173.0	35.5	77.0	–	8.55
4" NPT	**DSBT 10**	8,990	311.0	174.0	197.0	173.0	36.0	77.0	–	8.85

DSBX : 4-way



			a	b	c	d	e	f	g	
1/2" NPT	**DSBX 1**	130	100.0	44.0	56.0	43.0	20.0	20.0	–	0.47
3/4" NPT	**DSBX 2**	210	110.0	50.0	62.0	49.0	20.0	22.0	–	0.59
1" NPT	**DSBX 3**	400	130.5	60.0	76.5	61.0	24.0	24.0	–	0.95
1-1/4" NPT	**DSBX 4**	620	144.0	65.0	88.5	73.0	24.5	32.5	–	1.25
1-1/2" NPT	**DSBX 5**	850	161.0	70.0	95.5	78.5	26.5	35.0	–	1.64
2" NPT	**DSBX 6**	2,040	200.0	111.0	121.5	104.5	25.0	46.0	–	3.20
2-1/2" NPT	**DSBX 7**	3,440	231.0	128.0	153.0	133.0	32.0	66.5	–	4.55
3" NPT	**DSBX 8**	4,940	262.0	142.0	162.0	142.0	34.0	71.0	–	5.71
3-1/2" NPT	**DSBX 9**	8,640	311.0	174.0	197.0	173.0	35.5	77.0	–	8.55
4" NPT	**DSBX 10**	9,000	311.0	174.0	197.0	173.0	36.0	77.0	–	8.85

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