

JUNCTION BOXES

QUANTUM®

EXB

Empty / Control Enclosure

NEC / CEC Certifications

Class I, Div. 1 & 2, Groups B, C, & D

Class I, Zone 1, IIB+H2

Class II, Div. 1 & 2, Groups E, F, & G

Class III

Type 3, 4, 4X

Ta = -25°C to +70°C (UL)

Ta = -50°C to +70°C (CSA)



Files E83969



File LR11716 - 1723354

ATEX Certificate


II 2 G D CE 2813

Ex d IIB+H2 Gb 6 or T5

Ex tb IIIC Db IP66 T85°C or T100°C

Ta = -50°C to +70°C

QPS 21 ATEX 0001U

QPS 21 ATEX 0002X

IEC Ex Certificate

Ex db IIB+H2 Gb T6 or T5

Ex tb IIIC Db IP66 T85°C or T100°C

Ta = -50°C to +70°C

IECEX QPS 17.0013U

IECEX QPS 17.0014X

FEATURES-SPECIFICATIONS

Features

- Copper-free cast aluminum construction – high strength, light in weight, corrosion resistant
- Fewer Cover Bolts. Computer-aided design lessens the number of cover bolts by eliminating corner bolts. Reduces installation and maintenance time
- Nitrile (BUNA-N) “O” ring gasket is located inside bolt circle to prevent water seeping into enclosure
- Mounting lugs are made of ductile aluminum alloy to adjust to irregular mounting surfaces without damaging the enclosure. EXBLTs 8x12x6x and larger supplied with bi-directional mounting pads. Lugs can be installed either horizontal or vertical by the factory or in the field. Easily replaced if damage does occur.

- All enclosure sizes 8x12x6 and larger are supplied standard with hinges mounted on the left side. Smaller enclosures are drilled for field installation of two Killark HINGE-9 assemblies or can be installed at factory by adding SU2 to catalog number. For hinges to be located in other positions, specify when ordering.
- Recessed Flange Notches – Flanges are notched to allow for easier cover opening with prying instrument without flange damage
- Cast with wall thickness suitable for drilling and tapping of conduit openings in all sides and back of boxes. Conduit size and location information is found on dimensional chart in this section. Conduit openings can be factory or field installed.
- Mounting pan bosses are pre-drilled at factory for field mounting of optional mounting pan.

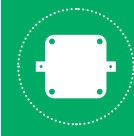
Materials

- Enclosure: Copper-free aluminum (less than 1% of 1%)
- Hinges: Aluminum with stainless steel hardware
- Steel cover bolts
- Optional Mounting Pans: Sheet aluminum
- Optional Windows: Tempered soda lime glass
- Finish: Aluminum lacquer

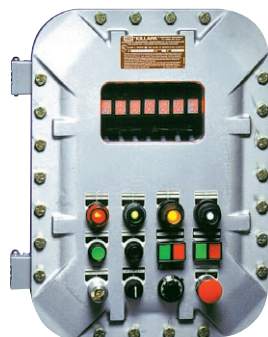
EXB - For Global Applications, ATEX and IEC Ex, Add Suffix “CEN” to the catalog logic.

Notes:

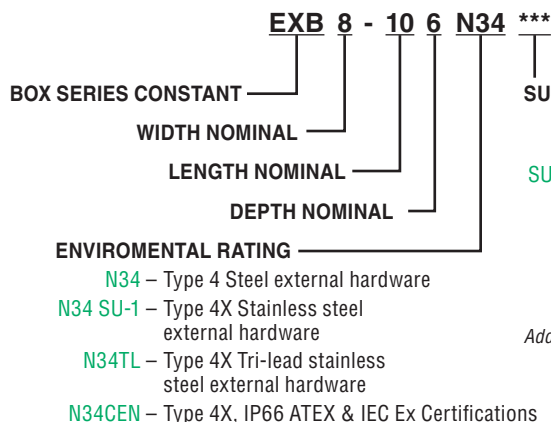
- Conduits must be sealed within 18” for Group B applications.
- Type 4X with optional SU-1 modification.
- All conduit or gland openings must be sealed adjacent to the wall of Ex d applications.



ENCLOSURES EXB SERIES



JUNCTION BOXES



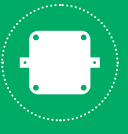
MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
N34CEN	ATEX & IEC Ex Certifications, IP66 Type 4X. Cover bolts 316 SS
N34 SU-1	316 Stainless steel external hardware for Type 4X
N34TL	Tri-lead captive 316 stainless steel external hardware for Type 4X
KIT-251	100 amp grounding lug
KIT-252	200 amp grounding lug
SU3B-QA	cCSAus, ATEX, IEC Ex drain and breather installed Class I Groups B, C, & D Ex d IIB + H2, Type 4, 4x IP66 (enclosures up to 28 liters*)
SU3B-4X	UL and CSA drain and breather installed Class I Groups B, Type 4, 4X
SU3B-ATEX	UL CSA, ATEX, IEC Ex drain and breather installed Class I Groups B & Ex d IIB, Voids Type 4 & IP66
SU2	Install hinges EXB 8106 and smaller
SU9PEEX	External gray powder coated epoxy paint
SU14	Fungus Proof internally
SU9	Speacial paint - specify
SU93	Do not paint
TOE PLATE KIT	Door guide plate to assist in aligning installing cover bolts

* For enclosures greater than 28 liters, the KBQA drain/breather can be ordered separately and new ratings are: Class I Groups C & D Ex d IIB, Type 4, 4x IP66.

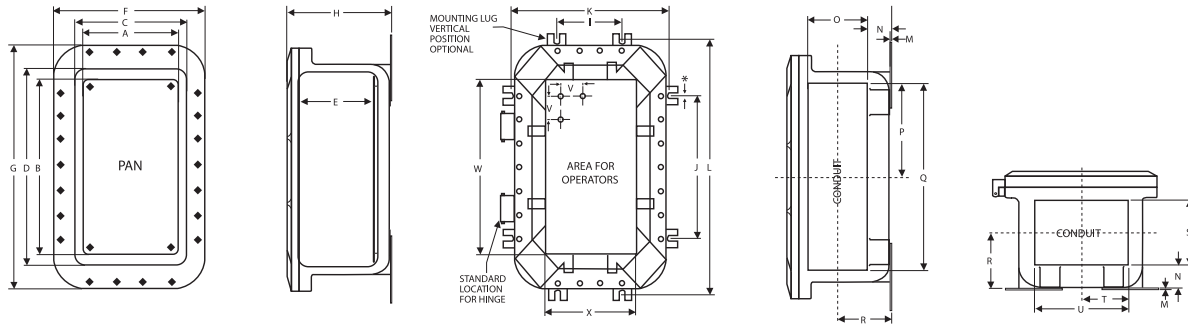
The chart to the right indicates which enclosures are less than 28 liters.

+ Enclosures less than 28 liters. KBQA breather/drain rated for Class I Groups B, C, & D Ex d IIB + H2, Type 4, 4x IP66.

EXB JUNCTION BOXES AND ENCLOSURES					
CATALOG NUMBER	NOMINAL ENCLOSURE INSIDE DIMENSIONS W" L" D" (MM)	MAXIMUM CONDUIT SIZE	OPTIONAL MOUNTING PAN NUMBER	MAXIMUM NUMBER OF OPERATORS†	WEIGHT LBS (KGS)
EXB-664 N34*	6x6x4 (152x152x102)	2"	7997-5	2 rows of 2 = 4	18 (8.17)
EXB-886 N34*	8x8x6 (203x203x152)	2"	7996-1	3 rows of 3 = 9	30 (13.62)
EXB-8104 N34*	8x10x4 (203x254x102)	2"	7996-2	4 rows of 3 = 12	35 (15.89)
EXB-8106 N34*	8x10x6 (203x254x152)	2"	7996-2	4 rows of 3 = 12	38 (17.25)
EXB-8126 N34*	8x12x6 (203x305x152)	3"	17619	4 rows of 3 = 12	47 (21.34)
EXB-8128 N34*	8x12x8 (203x305x203)	4"	17619	4 rows of 3 = 12	67 (30.42)
EXB-10106 N34*	10x10x6 (254x254x102)	3"	17618	4 rows of 3 = 12	68.5 (31)
EXB-10108 N34*	10x10x8 (254x254x203)	5"	17618	4 rows of 3 = 12	80.5 (37)
EXB-10146 N34*	10x14x6 (254x356x152)	3"	17617	5 rows of 3 = 15	82 (37.23)
EXB-10148 N34*	10x14x8 (254x356x203)	5"	17617	5 rows of 3 = 15	89 (40.41)
EXB-12126 N34*	12x12x6 (305x305x152)	3"	7988-1	4 rows of 4 = 16	75 (34.05)
EXB-12128 N34*	12x12x8 (305x305x203)	5"	7988-1	4 rows of 4 = 16	83 (37.68)
EXB-12186 N34*	12x18x6 (305x457x152)	3"	15515	7 rows of 4 = 28	110 (49.94)
EXB-12188 N34*	12x18x8 (305x457x203)	5"	15515	7 rows of 4 = 28	120 (54.48)
EXB-12246 N34*	12x24x6 (305x610x152)	3"	7988-4	9 rows of 4 = 36	145 (65.83)
EXB-12248 N34	12x24x8 (305x610x203)	5"	7988-4	9 rows of 4 = 36	160 (72.64)
EXB-122412 N34	12x24x12 (305x610x305)	5"	7988-4	9 rows of 4 = 36	190 (86.26)
EXB-12368 N34	12x36x8 (305x914x203)	5"	17620	14 rows of 4 = 56	231 (104.87)
EXB-123610 N34	12x36x10 (305x914x254)	6"	17620	14 rows of 4 = 56	245 (111.23)
EXB-14146 N34*	14x14x6 (356x356x152)	3"	17621	5 rows of 5 = 25	121 (54.93)
EXB-14148 N34*	14x14x8 (356x356x203)	5"	17621	5 rows of 5 = 25	136 (61.74)
EXB-16166 N34*	16x16x6 (406x406x152)	3"	7995-1	6 rows of 6 = 36	127 (57.66)
EXB-16168 N34	16x16x8 (406x406x203)	5"	7995-1	6 rows of 6 = 36	138 (62.65)
EXB-16248 N34	16x24x8 (406x610x203)	5"	17622	8 rows of 5 = 40	251 (113.95)
EXB-162410 N34	16x24x10 (406x610x254)	6"	17622	8 rows of 5 = 40	266 (120.76)
EXB-18186 N34	18x18x6 (457x457x152)	3"	17623	6 rows of 6 = 36	206 (93.52)
EXB-18188 N34	18x18x8 (457x457x203)	5"	17623	6 rows of 6 = 36	220 (99.88)
EXB-18248 N34	18x24x8 (457x610x203)	5"	15516	9 rows of 7 = 63	240 (108.96)
EXB-182410 N34	18x24x10 (457x610x254)	6"	15516	9 rows of 7 = 63	260 (118.04)
EXB-18308 N34	18x30x8 (457x762x203)	5"	22061	11 rows of 7 = 77	320 (145.28)
EXB-18368 N34	18x36x8 (457x914x203)	5"	15517	13 rows of 7 = 91	380 (172.52)
EXB-183610 N34	18x36x10 (457x914x254)	6"	15517	13 rows of 7 = 91	405 (183.87)
EXB-203611 N34	20x36x11 (508x914x279)	6"	17596	13 rows of 7 = 91	540 (245.16)
EXB-24248 N34	24x24x8 (610x610x203)	5"	8000-1	9 rows of 9 = 81	330 (149.82)
EXB-242410 N34	24x24x10 (610x610x254)	6"	8000-1	9 rows of 9 = 81	350 (158.90)
EXB-24308 N34	24x30x8 (610x762x203)	5"	20567	9 rows of 7 = 63	430 (195.22)
EXB-24368 N34	24x36x8 (610x914x203)	5"	17624	11 rows of 7 = 77	531 (241.07)
EXB-243610 N34	24x36x10 (610x914x254)	6"	17624	11 rows of 7 = 77	506 (229.72)



JUNCTION BOXES

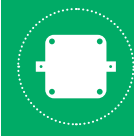


* Mounting lug opening 7/16" for boxes up to and including 8128 and 9/16" for boxes 10 x 10 and larger

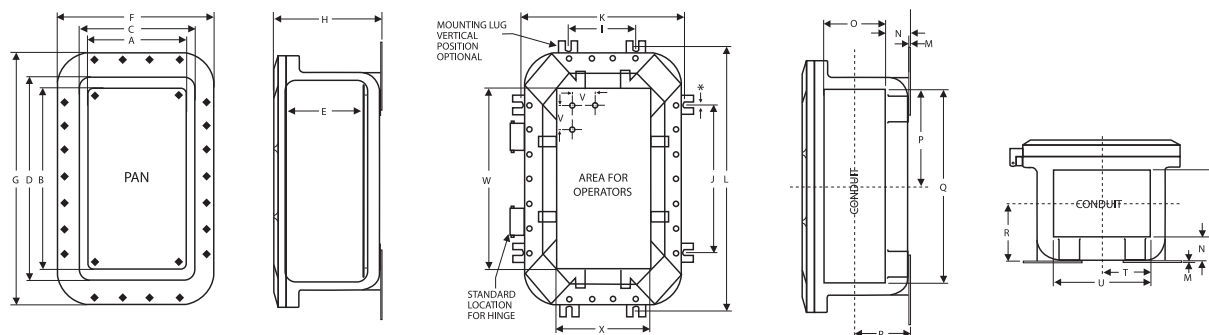
EXB DIMENSIONS

CATALOG NUMBER	INTERNAL DIMENSIONS - INCHES (MM)					EXTERNAL DIMENSIONS - INCHES (MM)			MOUNTING DIMENSIONS - INCHES (MM)				
	PAN		AVAILABLE FOR DEVICES										
	A	B	C	D	E								
EXB-664 N34	5 (127.0)	5 (127.0)	5.73 (145.5)	5.73 (145.5)	4.31 (109.47)	10.32 (262.13)	10.32 (262.13)	6.09 (154.69)	N/A	4.00 (101.60)	7.88 (200.15)	N/A	0.19 (4.83)
EXB-886 N34	7 (177.8)	7 (177.8)	7.59 (192.8)	7.59 (192.8)	6.06 (153.92)	12.32 (312.93)	12.32 (312.93)	8.09 (205.49)	N/A	6.00 (152.40)	9.88 (250.95)	N/A	0.19 (4.83)
EXB-8104 N34	7 (177.8)	9 (228.6)	7.73 (196.3)	9.73 (247.1)	4.06 (103.12)	12.32 (312.93)	14.32 (363.73)	6.32 (160.53)	N/A	8.00 (203.20)	9.88 (250.95)	N/A	0.19 (4.83)
EXB-8106 N34	7 (177.8)	9 (228.6)	7.59 (192.8)	9.59 (243.6)	6.06 (153.92)	12.32 (312.93)	14.32 (363.73)	8.32 (211.33)	N/A	8.00 (203.20)	9.88 (250.95)	N/A	0.19 (4.83)
EXB-8126 N34	7 (177.8)	11 (279.4)	8 (203.2)	12 (304.8)	6.38 (161.54)	13.25 (336.55)	17.25 (438.15)	8.70 (220.98)	3.82 (97.03)	7.82 (198.63)	10.38 (263.65)	14.38 (365.25)	0.19 (6.35)
EXB-8128 N34	7 (177.8)	11 (279.4)	8 (203.2)	12 (304.8)	8.38 (212.34)	13.25 (336.55)	17.25 (438.15)	10.70 (271.78)	3.82 (97.03)	7.82 (198.63)	10.38 (263.65)	14.38 (365.25)	0.19 (6.35)
EXB-10106 N34	9 (228.6)	9 (228.6)	10 (254.0)	10 (254.0)	6.20 (157.48)	15.25 (387.35)	15.25 (387.35)	8.90 (226.06)	4.94 (125.48)	4.94 (125.48)	12.94 (328.68)	12.94 (328.68)	0.25 (6.35)
EXB-10108 N34	9 (228.6)	9 (228.6)	10 (254.0)	10 (254.0)	8.20 (208.28)	15.25 (387.35)	15.25 (387.35)	10.90 (276.86)	4.94 (125.48)	4.94 (125.48)	12.94 (328.68)	12.94 (328.68)	0.25 (6.35)
EXB-10146 N34	9 (228.6)	13 (330.2)	10 (254.0)	14 (355.6)	6.20 (157.48)	15.25 (387.35)	19.25 (488.95)	8.90 (226.06)	4.94 (125.48)	8.94 (227.08)	12.94 (328.68)	16.94 (430.28)	0.25 (6.35)
EXB-10148 N34	9 (228.6)	13 (330.2)	10 (254.0)	14 (355.6)	8.20 (208.28)	15.25 (387.35)	19.25 (488.95)	10.90 (276.86)	4.94 (125.48)	8.94 (227.08)	12.94 (328.68)	16.94 (430.28)	0.25 (6.35)
EXB-12126 N34	10.5 (266.7)	10.5 (266.7)	11.5 (292.1)	11.5 (292.1)	6.00 (152.40)	16.38 (416.05)	16.38 (416.05)	8.69 (220.73)	6.94 (176.28)	6.94 (176.28)	14.94 (379.48)	14.94 (379.48)	0.25 (6.35)
EXB-12128 N34	10.5 (266.7)	10.5 (266.7)	11.37 (288.8)	11.37 (288.8)	8.00 (203.20)	16.38 (416.05)	16.38 (416.05)	10.69 (271.53)	6.94 (176.28)	6.94 (176.28)	14.94 (379.48)	14.94 (379.48)	0.25 (6.35)
EXB-12186 N34	10 (254.0)	16 (406.4)	11.5 (292.1)	17.5 (444.5)	6.00 (152.40)	16.38 (416.05)	22.38 (568.45)	9.06 (230.12)	6.94 (176.28)	12.88 (327.15)	14.94 (379.48)	20.88 (530.35)	0.25 (6.35)
EXB-12188 N34	10 (254.0)	16 (406.4)	11.37 (288.8)	17.37 (441.2)	8.00 (203.20)	16.38 (416.05)	22.38 (568.45)	11.06 (280.92)	6.94 (176.28)	12.88 (327.15)	14.94 (379.48)	20.88 (530.35)	0.25 (6.35)
EXB-12246 N34	10.25 (260.4)	22.25 (565.2)	11.5 (292.1)	23.5 (596.9)	6.00 (152.40)	16.38 (416.05)	28.38 (720.85)	9.32 (236.73)	6.94 (176.28)	18.88 (479.55)	14.94 (379.48)	26.88 (682.75)	0.25 (6.35)
EXB-12248 N34	10.25 (260.4)	22.25 (565.2)	11.37 (288.8)	23.37 (593.6)	8.00 (203.20)	16.38 (416.05)	28.38 (720.85)	11.32 (287.53)	6.94 (176.28)	18.88 (479.55)	14.94 (379.48)	26.88 (682.75)	0.25 (6.35)
EXB-122412 N34	10.25 (260.4)	22.25 (565.2)	11.37 (288.8)	23.37 (593.6)	12.00 (304.80)	16.38 (416.05)	28.38 (720.85)	15.32 (389.13)	6.94 (176.28)	18.88 (479.55)	14.94 (379.48)	26.88 (682.75)	0.25 (6.35)
EXB-12368 N34	11 (279.4)	35 (889.0)	12 (304.8)	36 (914.4)	8.12 (206.25)	17.25 (438.15)	41.25 (1047.75)	11.40 (289.56)	7.00 (177.80)	31.00 (787.40)	15.00 (381.00)	39.00 (990.60)	0.25 (6.35)
EXB-123610 N34	11 (279.4)	35 (889.0)	12 (304.8)	36 (914.4)	10.12 (257.05)	17.25 (438.15)	41.25 (1047.75)	13.40 (340.36)	7.00 (177.80)	31.00 (787.40)	15.00 (381.00)	39.00 (990.60)	0.25 (6.35)
EXB-14146 N34	13 (330.2)	13 (330.2)	14 (355.6)	14 (355.6)	6.20 (157.48)	19.25 (488.95)	19.25 (488.95)	9.40 (238.76)	9.00 (228.60)	9.00 (228.60)	17.00 (431.80)	17.00 (431.80)	0.25 (6.35)
EXB-14148 N34	13 (330.2)	13 (330.2)	14 (355.6)	14 (355.6)	8.20 (208.28)	19.25 (488.95)	19.25 (488.95)	11.40 (289.56)	9.00 (228.60)	9.00 (228.60)	17.00 (431.80)	17.00 (431.80)	0.25 (6.35)
EXB-16166 N34	14 (355.6)	14 (355.6)	15.5 (393.7)	15.5 (393.7)	6.00 (152.40)	20.38 (517.65)	20.38 (517.65)	9.19 (233.43)	10.94 (277.88)	10.94 (277.88)	18.94 (481.08)	18.94 (481.08)	0.25 (6.35)
EXB-16168 N34	14 (355.6)	14 (355.6)	15.37 (390.4)	15.37 (390.4)	8.00 (203.20)	20.38 (517.65)	20.38 (517.65)	11.19 (284.23)	10.94 (277.88)	10.94 (277.88)	18.94 (481.08)	18.94 (481.08)	0.25 (6.35)
EXB-16248 N34	15 (381.0)	23 (584.2)	16 (406.4)	24 (609.6)	8.12 (206.25)	21.25 (539.75)	29.25 (742.95)	12.00 (304.80)	11.38 (289.05)	19.38 (492.25)	19.38 (492.25)	27.38 (695.45)	0.25 (6.35)
EXB-162410 N34	15 (381.0)	23 (584.2)	16 (406.4)	24 (609.6)	10.12 (257.05)	21.25 (539.75)	29.25 (742.95)	14.00 (355.60)	11.38 (289.05)	19.38 (492.25)	19.38 (492.25)	27.38 (695.45)	0.25 (6.35)
EXB-18186 N34	17 (431.8)	17 (431.8)	18 (457.2)	18 (457.2)	6.12 (155.45)	23.25 (590.55)	23.25 (590.55)	10.00 (254.00)	13.38 (339.85)	13.38 (339.85)	21.38 (543.05)	21.38 (543.05)	0.25 (6.35)
EXB-18188 N34	17 (431.8)	17 (431.8)	18 (457.2)	18 (457.2)	8.12 (206.25)	23.25 (590.55)	23.25 (590.55)	12.00 (304.80)	13.38 (339.85)	13.38 (339.85)	21.38 (543.05)	21.38 (543.05)	0.25 (6.35)
EXB-18248 N34	16.38 (416.1)	22.13 (562.1)	17.37 (441.2)	23.37 (593.6)	8.00 (203.20)	22.38 (568.45)	28.38 (720.85)	11.75 (298.45)	13.00 (330.20)	19.00 (482.60)	21.00 (533.40)	27.00 (685.80)	0.25 (6.35)
EXB-182410 N34	16.38 (416.1)	22.13 (562.1)	17.23 (437.6)	23.23 (590.0)	10.00 (254.00)	22.38 (568.45)	28.38 (720.85)	13.75 (349.25)	13.00 (330.20)	19.00 (482.60)	21.25 (539.75)	27.00 (685.80)	0.25 (6.35)
EXB-18308 N34	16 (406.4)	29 (736.6)	17.87 (453.9)	30.8 (782.3)	8.00 (203.20)	22.37 (568.20)	35.37 (898.40)	12.37 (314.20)	13.25 (336.55)	26.5 (673.10)	21.00 (533.40)	34.50 (876.30)	0.25 (6.35)
EXB-18368 N34	16 (406.4)	34 (863.6)	17.37 (441.2)	35.37 (898.4)	8.00 (203.20)	22.38 (568.45)	40.38 (1025.65)	12.38 (314.45)	13.25 (336.55)	31.50 (800.10)	21.25 (539.75)	39.50 (1003.30)	0.25 (6.35)
EXB-183610 N34	16 (406.4)	34 (863.6)	17.23 (437.6)	35.23 (894.8)	10.00 (254.00)	22.38 (568.45)	40.38 (1025.65)	14.38 (365.25)	13.25 (336.55)	31.50 (800.10)	21.25 (539.75)	39.50 (1003.30)	0.25 (6.35)
EXB-203611 N34	18.75 (476.3)	34.75 (882.7)	20.14 (511.6)	36.14 (918.0)	11.13 (282.70)	26.44 (671.58)	42.44 (1077.98)	15.56 (395.22)	15.75 (400.05)	31.75 (806.45)	23.75 (603.25)	39.75 (1009.65)	0.25 (6.35)
EXB-24248 N34	22.25 (565.2)	22.25 (565.2)	23.37 (593.6)	23.37 (593.6)	8.06 (204.72)	28.38 (720.85)	28.38 (720.85)	12.19 (309.63)	19.50 (495.30)	19.50 (495.30)	27.50 (698.50)	27.50 (698.50)	0.25 (6.35)
EXB-242410 N34	22.25 (565.2)	22.25 (565.2)	23.23 (590.0)	23.23 (590.0)	10.06 (255.52)	28.38 (720.85)	28.38 (720.85)	14.19 (360.43)	19.50 (495.30)	19.50 (495.30)	27.50 (698.50)	27.50 (698.50)	0.25 (6.35)
EXB-24308 N34	23 (584.2)	29 (736.6)	24 (609.6)	30 (762.0)	8.12 (206.25)	29.25 (742.95)	35.25 (895.35)	12.40 (314.96)	19.56 (496.82)	25.56 (649.23)	27.56 (700.03)	33.56 (852.43)	0.25 (6.35)
EXB-24368 N34	23 (584.2)	35 (889.0)	24 (609.6)	36 (914.4)	8.12 (206.25)	29.25 (742.95)	41.25 (1047.75)	12.40 (314.96)	19.56 (496.82)	31.56 (801.63)	27.56 (700.03)	39.56 (1004.83)	0.25 (6.35)
EXB-243610 N34	23 (584.2)	35 (889.0)	24 (609.6)	36 (914.4)	10.12 (257.05)	29.25 (742.95)	41.25 (1047.75)	14.40 (365.76)	19.56 (496.82)	31.56 (801.63)	27.56 (700.03)	39.56 (1004.83)	0.25 (6.35)

Full dimensional details are available on .DFX or .DWG format. See Killark website.



ENCLOSURES EXB SERIES

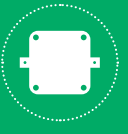


* Mounting lug opening 7/16" for boxes up to and including 8128 and 9/16" for boxes 10 x 10 and larger

EXB CONDUIT AND OPERATOR LAYOUT INFORMATION													
CATALOG NUMBER	CONDUIT AREA								OPERATOR AREA AND SPECS				
	N	O	P	Q	R	S	T	U	V	W	X	GZ OPERATOR TYPE	GO OPERATOR TYPE
EXB-664 N34	1.18 (30.0)	2.81 (71.4)	2.44 (62.0)	4.88 (124.0)	2.75 (69.85)	2.81 (71.37)	2.44 (61.98)	4.88 (123.95)	2.5 (63.50)	5 (127.00)	5 (127.00)	Use "LONG"	
EXB-886 N34	1.18 (30.0)	4.81 (122.2)	3.44 (87.4)	6.88 (174.8)	3.75 (95.25)	4.81 (122.17)	3.44 (87.38)	6.88 (174.75)	2.5 (63.50)	7 (177.80)	7 (177.80)		
EXB-8104 N34	1.18 (30.0)	2.81 (71.4)	4.44 (112.8)	8.88 (225.6)	2.75 (69.85)	2.81 (71.37)	3.44 (87.38)	6.88 (174.75)	2.5 (63.50)	9 (228.60)	7 (177.80)		
EXB-8106 N34	1.18 (30.0)	4.18 (106.2)	4.44 (112.8)	8.88 (225.6)	3.45 (87.63)	4.81 (122.17)	3.44 (87.38)	6.88 (174.75)	2.5 (63.50)	9 (228.60)	7 (177.80)		
EXB-8126 N34	1.78 (45.2)	3.75 (95.3)	5 (127.0)	10 (254.0)	3.66 (92.96)	3.75 (95.25)	3 (76.20)	6 (152.40)	2.5 (63.50)	11 (279.40)	7 (177.80)		
EXB-8128 N34	1.78 (45.2)	5.75 (146.1)	5 (127.0)	10 (254.0)	4.66 (118.36)	5.75 (146.05)	3 (76.20)	6 (152.40)	2.5 (63.50)	11 (279.40)	7 (177.80)		
EXB-10106 N34	1.91 (48.5)	3.75 (95.3)	4 (101.6)	8 (203.2)	3.79 (96.27)	3.75 (95.25)	4 (101.60)	8 (203.20)	2.5 (63.50)	9 (228.60)	9 (228.60)		
EXB-10108 N34	1.91 (48.5)	5.75 (146.1)	4 (101.6)	8 (203.2)	4.79 (121.67)	5.75 (146.05)	4 (101.60)	8 (203.20)	2.5 (63.50)	9 (228.60)	9 (228.60)		
EXB-10146 N34	1.91 (48.5)	3.75 (95.3)	6 (152.4)	12 (304.8)	3.79 (96.27)	3.75 (95.25)	4 (101.60)	8 (203.20)	2.5 (63.50)	13 (330.20)	9 (228.60)		
EXB-10148 N34	1.91 (48.5)	5.75 (146.1)	6 (152.4)	12 (304.8)	4.79 (121.67)	5.75 (146.05)	4 (101.60)	8 (203.20)	2.5 (63.50)	13 (330.20)	9 (228.60)		
EXB-12126 N34	1.88 (47.8)	3.81 (96.8)	4.94 (125.5)	9.88 (251.0)	4.00 (101.60)	3.81 (96.77)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	10 (254.00)	10 (254.00)	Use "LONG"	
EXB-12128 N34	1.88 (47.8)	5.81 (147.6)	4.94 (125.5)	9.88 (251.0)	5.00 (127.00)	5.81 (147.57)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	10 (254.00)	10 (254.00)		
EXB-12186 N34	2.06 (52.3)	3.13 (79.5)	7.94 (201.7)	15.88 (403.4)	3.88 (98.55)	3.75 (95.25)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	16 (406.40)	10 (254.00)		
EXB-12188 N34	2.06 (52.3)	5.13 (130.3)	7.94 (201.7)	15.88 (403.4)	4.88 (123.95)	5.75 (146.05)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	16 (406.40)	10 (254.00)		
EXB-12246 N34	2.13 (54.1)	3.13 (79.5)	10.94 (277.9)	21.88 (555.8)	3.94 (100.08)	3.81 (96.77)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	22.25 (565.15)	10.25 (260.35)		
EXB-12248 N34	2.13 (54.1)	5.13 (130.3)	10.94 (277.9)	21.88 (555.8)	4.94 (125.48)	5.81 (147.57)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	22.25 (565.15)	10.25 (260.35)		
EXB-122412 N34	2.13 (54.1)	9.13 (231.9)	10.94 (277.9)	21.88 (555.8)	6.94 (176.28)	9.81 (249.17)	4.94 (125.48)	9.88 (250.95)	2.5 (63.50)	22.25 (565.15)	10.25 (260.35)		
EXB-12368 N34	2.09 (53.1)	5.75 (146.1)	17 (431.8)	34 (863.6)	4.97 (126.24)	5.75 (146.05)	5 (127.00)	10 (254.00)	2.5 (63.50)	35 (889.00)	11 (279.40)		
EXB-123610 N34	2.09 (53.1)	7.75 (196.9)	17 (431.8)	34 (863.6)	5.97 (151.64)	7.75 (196.85)	5 (127.00)	10 (254.00)	2.5 (63.50)	35 (889.00)	11 (279.40)		
EXB-14146 N34	2.09 (53.1)	3.75 (95.3)	6 (152.4)	12 (304.8)	3.97 (100.84)	3.75 (95.25)	6 (152.40)	12 (304.80)	2.5 (63.50)	13 (330.20)	13 (330.20)		
EXB-14148 N34	2.09 (53.1)	5.75 (146.1)	6 (152.4)	12 (304.8)	4.97 (126.24)	5.75 (146.05)	6 (152.40)	12 (304.80)	2.5 (63.50)	13 (330.20)	13 (330.20)		
EXB-16166 N34	2.06 (53.1)	3.75 (95.3)	6.94 (176.3)	13.88 (352.6)	4.18 (106.17)	3.75 (95.25)	6.94 (176.28)	13.88 (352.55)	2.5 (63.50)	14 (355.60)	14 (355.60)		
EXB-16168 N34	2.06 (53.1)	5.75 (146.1)	6.94 (176.3)	13.88 (352.6)	5.18 (131.57)	5.75 (146.05)	6.94 (176.28)	13.88 (352.55)	2.5 (63.50)	14 (355.60)	14 (355.60)		
EXB-16248 N34	2.34 (59.4)	5.75 (146.1)	11 (279.4)	22 (558.8)	5.22 (132.59)	5.75 (146.05)	7 (177.80)	14 (355.60)	2.5 (63.50)	22 (558.80)	14 (355.60)		
EXB-162410 N34	2.34 (59.4)	7.75 (196.9)	11 (279.4)	22 (558.8)	6.22 (157.99)	7.75 (196.85)	7 (177.80)	14 (355.60)	2.5 (63.50)	22 (558.80)	14 (355.60)		
EXB-18186 N34	2.34 (59.4)	3.75 (95.3)	8 (203.2)	16 (406.4)	4.22 (107.19)	3.75 (95.25)	8 (203.20)	16 (406.40)	2.5 (63.50)	16 (406.40)	16 (406.40)	Use "EXTENDED"	
EXB-18188 N34	2.34 (59.4)	5.75 (146.1)	8 (203.2)	16 (406.4)	5.22 (132.59)	5.75 (146.05)	8 (203.20)	16 (406.40)	2.5 (63.50)	16 (406.40)	16 (406.40)		
EXB-18248 N34	2.32 (58.9)	4.88 (124.0)	10.94 (277.9)	21.88 (555.8)	5.00 (127.00)	5.56 (141.22)	7.94 (201.68)	15.88 (403.35)	2.5 (63.50)	22 (558.80)	16 (406.40)		
EXB-182410 N34	2.32 (58.9)	6.88 (174.8)	10.94 (277.9)	21.88 (555.8)	6.00 (152.40)	8.56 (217.42)	7.94 (201.68)	15.88 (403.35)	2.5 (63.50)	22 (558.80)	16 (406.40)		
EXB-18308 N34	2.50 (63.5)	4.88 (124.0)	14.44 (366.8)	28.88 (733.6)	5.18 (131.57)	6.06 (153.92)	7.94 (201.68)	15.88 (403.35)	2.5 (63.50)	29 (736.60)	16 (406.40)		
EXB-18368 N34	2.50 (63.5)	4.88 (124.0)	16.94 (430.3)	33.88 (860.6)	5.18 (131.57)	6.06 (153.92)	7.94 (201.68)	15.88 (403.35)	2.5 (63.50)	34 (863.60)	16 (406.40)		
EXB-183610 N34	2.50 (63.5)	6.88 (174.8)	16.94 (430.3)	33.88 (860.6)	6.18 (156.97)	8.06 (204.72)	7.94 (201.68)	15.88 (403.35)	2.5 (63.50)	34 (863.60)	16 (406.40)		
EXB-203611 N34	2.47 (62.7)	8.44 (214.4)	16.72 (424.7)	33.97 (862.8)	6.88 (174.75)	8.47 (215.14)	8.72 (221.49)	17.47 (443.74)	2.5 (63.50)	34.88 (885.95)	18.88 (479.55)		
EXB-24248 N34	2.88 (73.2)	5.50 (139.7)	10.88 (276.4)	21.88 (555.8)	5.88 (149.35)	5.50 (139.70)	10.94 (277.88)	21.88 (555.75)	2.5 (63.50)	22 (558.80)	22 (558.80)		
EXB-242410 N34	2.88 (73.2)	7.50 (190.5)	10.88 (276.4)	21.88 (555.8)	6.88 (174.75)	7.50 (190.50)	10.94 (277.88)	21.88 (555.75)	2.5 (63.50)	22 (558.80)	22 (558.80)		
EXB-24308 N34	2.47 (62.7)	5.75 (146.1)	14 (355.6)	28 (711.2)	5.35 (135.89)	5.75 (146.05)	11 (279.40)	22 (558.80)	3.0 (76.20)	28 (711.20)	22 (558.80)	Use "2XL"	
EXB-24368 N34	2.47 (62.7)	5.75 (146.1)	17 (431.8)	34 (863.6)	5.35 (135.89)	5.75 (146.05)	11 (279.40)	22 (558.80)	3.0 (76.20)	34 (863.60)	22 (558.80)		
EXB-243610 N34	2.47 (62.7)	7.75 (196.9)	17 (431.8)	34 (863.6)	6.35 (161.29)	7.75 (196.85)	11 (279.40)	22 (558.80)	3.0 (76.20)	34 (863.60)	22 (558.80)		
EXB-243610 N34	2.47 (62.7)	7.75 (196.9)	17 (431.8)	34 (863.6)	6.35 (161.29)	7.75 (196.85)	11 (279.40)	22 (558.80)	3.0 (76.20)	34 (863.60)	22 (558.80)		

All dimension in. (mm)

Full dimensional details are available on .DFX or .DWG format. See KILLARK web-site.



CONDUIT OPENING DATA

Instructions

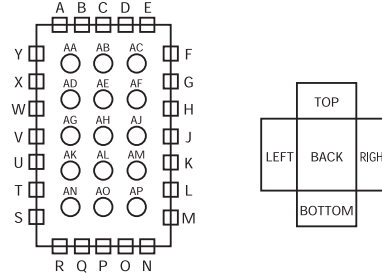
Drilled and tapped conduit openings will be evenly spaced and located in the area indicated on the location chart. Critical conduit opening locations may be indicated by supplying a diagram similar to the one shown at right indicating critical dimensions and locations. Specific conduit openings must be located dimensionally from box centerlines to conduit centerlines and from outside back surface of box to conduit centerline.

Ordering Information:

- (1) Select the letter on location chart which indicates conduit opening position desired.
- (2) Select symbol number from chart which indicates conduit opening type and size.

- (3) Combine the conduit location letter, size and type number, and add as a suffix to junction box catalog number.

Example: EXB-12248 N34-C3-J5-PI3-AH4



Drawing indicates position as looking into open face of box with short side (top) up.

EXB/EXBLT/B7/GR SYMBOL NUMBERS		
CONDUIT SIZE	CONDUIT OPENINGS DRILLED AND TAPPED	UNION
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15
2"	6	16
2-1/2"	7	17
3"	8	18
3-1/2"	9	19
4"	0	10
5"	02	—
6"	04	—

Union = GUM series male NPT unions

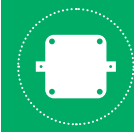
EXB/EXBLT/B7/GR - MINIMUM CENTER TO CENTER SPACING FOR DRILLED AND TAPPED OPENINGS AND UNION HUBS													
NPT (METRIC)	SPACE CENTERS	1/2" (M16)	3/4" (M20)	1" (M25)	1-1/4" (M32)	1-1/2" (M40)	2" (M50)	2-1/2" (M63)	3" (M75)	3-1/2" (M80)	4" (M100)	5"	6"
1/2" (M16)	MIN	1.18 (30)	—	—	—	—	—	—	—	—	—	—	—
	PRE	1.38 (35)	—	—	—	—	—	—	—	—	—	—	—
	GU	1.63 (41)	—	—	—	—	—	—	—	—	—	—	—
3/4" (M20)	MIN	1.38 (35)	1.5 (38)	—	—	—	—	—	—	—	—	—	—
	PRE	1.5 (38)	1.63 (41)	—	—	—	—	—	—	—	—	—	—
	GU	1.75 (44)	1.81 (46)	—	—	—	—	—	—	—	—	—	—
1" (M25)	MIN	1.5 (38)	1.75 (44)	1.81 (46)	—	—	—	—	—	—	—	—	—
	PRE	1.75 (44)	1.88 (48)	2 (108)	—	—	—	—	—	—	—	—	—
	GU	1.88 (48)	2 (108)	2.13 (54)	—	—	—	—	—	—	—	—	—
1-1/4" (M32)	MIN	1.69 (43)	1.94 (49)	2.06 (52)	2.31 (59)	—	—	—	—	—	—	—	—
	PRE	1.94 (49)	2.06 (52)	2.25 (57)	2.5 (64)	—	—	—	—	—	—	—	—
	GU	2.06 (52)	2.25 (57)	2.31 (59)	2.5 (64)	—	—	—	—	—	—	—	—
1-1/2" (M40)	MIN	1.94 (49)	2.06 (52)	2.19 (56)	2.5 (64)	2.63 (67)	—	—	—	—	—	—	—
	PRE	2.13 (54)	2.25 (57)	2.38 (60)	2.63 (67)	2.75 (70)	—	—	—	—	—	—	—
	GU	2.19 (56)	2.28 (58)	2.44 (62)	2.63 (67)	2.75 (70)	—	—	—	—	—	—	—
2" (M50)	MIN	2.25 (57)	2.38 (60)	2.56 (65)	2.81 (71)	2.94 (75)	3.19 (81)	—	—	—	—	—	—
	PRE	2.38 (60)	2.5 (64)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	—	—	—	—	—	—
	GU	2.5 (64)	2.59 (66)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	—	—	—	—	—	—
2-1/2" (M63)	MIN	2.44 (62)	2.56 (65)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	3.63 (92)	—	—	—	—	—
	PRE	2.63 (67)	2.75 (70)	3 (76)	3.25 (82)	3.38 (86)	3.63 (92)	4 (102)	—	—	—	—	—
	GU	3.13 (97)	3.22 (82)	3.38 (86)	3.56 (90)	3.69 (94)	4 (102)	4.63 (117)	—	—	—	—	—
3" (M75)	MIN	2.81 (71)	2.94 (75)	3.06 (78)	3.31 (84)	3.44 (87)	3.75 (95)	4 (102)	4.31 (110)	—	—	—	—
	PRE	3 (76)	3.13 (97)	3.38 (86)	3.63 (92)	3.75 (95)	4 (102)	4.38 (111)	4.75 (121)	—	—	—	—
	GU	3.56 (90)	3.66 (93)	3.81 (97)	4 (102)	4.13 (105)	4.44 (113)	5.06 (129)	5.5 (140)	—	—	—	—
3-1/2" (M80)	MIN	3.13 (97)	3.25 (82)	3.38 (86)	3.63 (92)	3.75 (95)	4.06 (103)	4.31 (110)	4.63 (117)	4.94 (125)	—	—	—
	PRE	3.38 (86)	3.5 (89)	3.63 (92)	3.88 (98)	4 (102)	4.38 (111)	4.63 (117)	5 (127)	5.38 (136)	—	—	—
	GU	4 (102)	4.09 (104)	4.25 (108)	4.44 (113)	4.56 (116)	4.88 (124)	5.5 (140)	5.94 (151)	6.38 (162)	—	—	—
4" (M100)	MIN	3.44 (87)	3.56 (90)	3.69 (94)	3.94 (100)	4.06 (103)	4.38 (111)	4.63 (117)	4.94 (125)	5.25 (133)	5.56 (141)	—	—
	PRE	3.75 (95)	3.88 (98)	4 (102)	4.25 (108)	4.38 (111)	4.75 (121)	5 (127)	5.75 (146)	5.63 (143)	6 (152)	—	—
	GU	4 (102)	4.09 (104)	4.25 (108)	4.44 (113)	4.56 (116)	4.88 (124)	5.5 (140)	5.94 (151)	6.38 (162)	6.38 (162)	—	—
5"	MIN	4.13 (105)	4.25 (108)	4.38 (111)	4.63 (117)	4.75 (121)	5 (127)	5.25 (133)	5.56 (141)	5.88 (149)	6.19 (157)	6.19 (157)	—
	PRE	4.38 (111)	4.5 (114)	4.63 (117)	4.88 (124)	5 (127)	5.38 (136)	5.63 (143)	6 (152)	6.25 (159)	6.63 (168)	7.25 (184)	—
	GU	4.75 (121)	4.88 (124)	5 (127)	5.25 (133)	5.38 (136)	5.63 (143)	5.88 (149)	6.19 (157)	6.5 (165)	6.81 (173)	7.44 (190)	8.13 (206)
6"	MIN	4.75 (121)	4.88 (124)	5 (127)	5.25 (133)	5.38 (136)	5.63 (143)	5.88 (149)	6.19 (157)	6.5 (165)	6.81 (173)	7.44 (190)	8.13 (206)
	PRE	5 (127)	5.13 (130)	5.25 (133)	5.5 (140)	5.63 (143)	6 (152)	6.25 (159)	6.63 (168)	7 (178)	7.25 (184)	8 (203)	8.63 (220)
	GU	5.25 (133)	5.38 (136)	5.5 (140)	5.63 (143)	5.88 (149)	6.19 (157)	6.5 (165)	6.81 (173)	7.44 (190)	8.13 (206)	8.63 (220)	—
LOCKNUT O.D.		1.25 (32)	1.13 (29)	1.69 (43)	2.19 (56)	2.44 (62)	3 (76)	3.44 (87)	4.19 (106)	4.81 (122)	5.38 (136)	6.69 (170)	7.94 (202)
CONDUIT BUSHING		1 (25)	1.25 (32)	1.5 (38)	1.88 (48)	2.13 (54)	2.63 (67)	3.19 (81)	3.88 (98)	4.44 (113)	5 (127)	6.25 (159)	7.38 (187)
CONDUIT O.D.		—	1.06 (27)	1.38 (35)	1.69 (43)	1.94 (49)	2.38 (60)	2.88 (73)	3.5 (89)	4 (102)	4.5 (114)	5.56 (141)	6.63 (168)

All dimension in. (mm)

MIN: The minimum space required to provide enough clearance over locknuts and bushings.

PRE: The preferred more liberal center to center spacing of openings. To be used whenever possible.

GU: The required spacing between openings using GUM Series male NPT unions.



ENCLOSURES EXB SERIES

REPLACEMENT PARTS								
ENCLOSURE CATALOG NUMBER	COVER GASKET	MOUNTING LUG KIT CONTAINS FOUR MOUNTING LUGS AND HARDWARE	COVER BOLTS - SOLD PER EACH					HINGES
			NO. OF BOLTS PER ENCLOSURE	CARBON STEEL "N34"	316 STAINLESS STEEL "SU1"	316 STAINLESS STEEL TRI- LEAD "SUTL"	ATEX IEC EX 316 STAINLESS STEEL "CEN"	EXB BOXES (*) ADD "L" FOR LEFT OR "R" FOR RIGHT
EXB-664 N34	EXB66RG	EXB-MTL1	8	0725115B	25952BAAB	xxxxx	20790AAAB	HINGE-12*
EXB-886 N34	EXB88RG	EXB-MTL1	12	0725115B	25952BAAB	xxxxx	20790AAAB	HINGE-12*
EXB-8104 N34	EXB810RG	EXB-MTL1	14	0725115B	25952BAAB	xxxxx	20790AAAB	HINGE-12*
EXB-8106 N34	EXB810RG	EXB-MTL1	14	0725115B	25952BAAB	xxxxx	20790AAAB	HINGE-12*
EXB-8126 N34	EXB812RG	EXB-MTL1	12	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-8128 N34	EXB812RG	EXB-MTL1	12	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-10106 N34	EXB1010RG	EXB-MTL2	12	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-10108 N34	EXB1010RG	EXB-MTL2	12	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-10146 N34	EXB1014RG	EXB-MTL2	16	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-10148 N34	EXB1014RG	EXB-MTL2	16	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12126 N34	EXB1212RG	EXB-MTL2	16	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12128 N34	EXB1212RG	EXB-MTL2	16	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12186 N34	EXB1212RG	EXB-MTL2	22	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12188 N34	EXB1212RG	EXB-MTL2	22	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12246 N34	EXB1224RG	EXB-MTL2	28	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12248 N34	EXB1224RG	EXB-MTL2	28	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-122412 N34	EXB1224RG	EXB-MTL2	28	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-12368 N34	EXB1236RG	EXB-MTL2	38	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-123610 N34	EXB1236RG	EXB-MTL2	38	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-14146 N34	EXB1414RG	EXB-MTL2	20	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-14148 N34	EXB1414RG	EXB-MTL2	20	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-16166 N34	EXB1616RG	EXB-MTL2	24	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-16168 N34	EXB1616RG	EXB-MTL2	24	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-16248 N34	EXB1624RG	EXB-MTL2	30	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-162410 N34	EXB1624RG	EXB-MTL2	30	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-18186 N34	EXB1818RG	EXB-MTL2	24	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-18188 N34	EXB1818RG	EXB-MTL2	24	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-11*
EXB-18248 N34	EXB1824RG	EXB-MTL2	34	0720362B	25952CAAB	17339AAAB	20790CAAB	HINGE-10*
EXB-182410 N34	EXB1824RG	EXB-MTL2	34	0720362B	25952CAAB	17339AAAB	20790CAAB	HINGE-10*
EXB-18308 N34	EXB1830RG	EXB-MTL2	40	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-18368 N34	EXB1836RG	EXB-MTL2	44	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-183610 N34	EXB1836RG	EXB-MTL2	44	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-203611 N34	EXB2036RG	EXB-MTL2	48	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-24248 N34	EXB2424RG	EXB-MTL2	40	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-242410 N34	EXB2424RG	EXB-MTL2	40	0720362B	25952CAAB	xxxxx	20790CAAB	HINGE-10*
EXB-24308 N34	EXB2430RG	EXB-MTL2	50	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-10*
EXB-24368 N34	EXB2436RG	EXB-MTL2	56	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-10*
EXB-243610 N34	EXB2436RG	EXB-MTL2	56	0720361B	25952AAAB	17339AAAB	20790BAAB	HINGE-10*

Hinges

Hinges are provided as a standard on the EXB-8126 N4 and larger sizes. See the replacement part chart for the hinge's catalog number. Hinges are sold in sets of two. For hinges to be installed on smaller sizes add suffix "SU2" to catalog number.

Touch-Up Paint

The touch-up paint comes in a 12 oz aerosol can. Wet lacquer silver gray touch-up paint: KTPALS Epoxy powder gray touch-up paint is a wet lacquer: KTPEPG