

DTX Series Junction Boxes

Dust-Ignitionproof, Watertight

Cast iron box and cover for surface mounting. Cast aluminum box and cover for surface mounting.

NEC:

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 9EFG

Applications

- DTX dust tight and watertight boxes are specially designed and constructed for hazardous locations where ignitable dusts, fibers or flyings are present such as:
- Grain elevators
- Grain storage areas
- Paper mills
- Coal storage facilities
- Textile factories

Features

- Provided with mounting lugs.
- Mechanically attached gaskets.

Standard Materials

- Bodies and covers: cast iron
- Gasket: vellumoid
- Cover bolts: stainless steel

Standard Finishes

- Cast iron bodies and covers: hot dip galvanized finish

Optional Materials

- Cast aluminum box and cover. Add suffix - **A**.
- For factory installed mounting plate, add suffix - **WYM**
- Refer to *Junction Box Mounting Plate Information* for complete listing of available mounting plates.

NEC Certifications and Compliances

- UL Standard: UL 886 (UL 1203)
- UL Listed: E10444



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Approximate Thickness Side Walls mm (in)	Maximum Conduit Size (In.-NPT)	Inside Dim. in Millimeters (Inches)					Iron Weight kg (lb)	Aluminum Weight kg (lb)	Catalog Number ①
		L	x	W	x	D			
7.9 (0.31)	2	355.6 (14.00)	x	355.6 (14.00)	x	254.0 (10.00)	41.7 (92.00)	15.4 (34.00)	DTX-141410
7.1 (0.28)	3/4	406.4 (16.00)	x	304.8 (12.00)	x	101.6 (4.00)	28.1 (62.00)	10.4 (23.00)	DTX-161204
7.1 (0.28)	3/4	406.4 (16.00)	x	304.8 (12.00)	x	152.4 (6.00)	33.1 (73.00)	12.2 (27.00)	DTX-161206
7.1 (0.28)	3/4	406.4 (16.00)	x	304.8 (12.00)	x	203.2 (8.00)	36.7 (81.00)	13.6 (30.00)	DTX-161208
7.9 (0.31)	2	406.4 (16.00)	x	406.4 (16.00)	x	152.4 (6.00)	45.4 (100.00)	16.8 (37.00)	DTX-161606
7.1 (0.28)	3/4	457.2 (18.00)	x	152.4 (6.00)	x	152.4 (6.00)	22.7 (50.00)	8.6 (19.00)	DTX-180606
7.1 (0.28)	3/4	457.2 (18.00)	x	203.2 (8.00)	x	101.6 (4.00)	23.6 (52.00)	9.1 (20.00)	DTX-180804
7.1 (0.28)	3/4	457.2 (18.00)	x	203.2 (8.00)	x	152.4 (6.00)	25.9 (57.00)	9.5 (21.00)	DTX-180806
6.4 (0.25)	3/4	457.2 (18.00)	x	304.8 (12.00)	x	101.6 (4.00)	27.7 (61.00)	10.4 (23.00)	DTX-181204
7.1 (0.28)	3/4	457.2 (18.00)	x	304.8 (12.00)	x	152.4 (6.00)	37.2 (82.00)	14.1 (31.00)	DTX-181206
7.9 (0.31)	2	457.2 (18.00)	x	304.8 (12.00)	x	203.2 (8.00)	44.0 (97.00)	16.3 (36.00)	DTX-181208
7.9 (0.31)	2	457.2 (18.00)	x	304.8 (12.00)	x	254.0 (10.00)	48.5 (107.00)	18.1 (40.00)	DTX-181210
7.9 (0.31)	2	457.2 (18.00)	x	304.8 (12.00)	x	304.8 (12.00)	56.7 (125.00)	21.3 (47.00)	DTX-181212
8.6 (0.34)	2	457.2 (18.00)	x	304.8 (12.00)	x	457.2 (18.00)	77.6 (171.00)	29.0 (64.00)	DTX-181218
7.9 (0.31)	2	457.2 (18.00)	x	457.2 (18.00)	x	152.4 (6.00)	59.0 (130.00)	21.8 (48.00)	DTX-181806
7.9 (0.31)	2	457.2 (18.00)	x	457.2 (18.00)	x	203.2 (8.00)	64.0 (141.00)	23.6 (52.00)	DTX-181808
7.9 (0.31)	2	457.2 (18.00)	x	457.2 (18.00)	x	254.0 (10.00)	70.8 (156.00)	26.3 (58.00)	DTX-181810
7.9 (0.31)	2	457.2 (18.00)	x	457.2 (18.00)	x	304.8 (12.00)	82.1 (181.00)	30.4 (67.00)	DTX-181812
7.9 (0.31)	2	609.6 (24.00)	x	304.8 (12.00)	x	152.4 (6.00)	47.6 (105.00)	17.7 (39.00)	DTX-241206
7.9 (0.31)	2	609.6 (24.00)	x	304.8 (12.00)	x	203.2 (8.00)	56.7 (125.00)	21.3 (47.00)	DTX-241208
7.9 (0.31)	2	609.6 (24.00)	x	304.8 (12.00)	x	304.8 (12.00)	72.6 (160.00)	27.2 (60.00)	DTX-241212
8.6 (0.34)	2	609.6 (24.00)	x	457.2 (18.00)	x	152.4 (6.00)	74.8 (165.00)	27.7 (61.00)	DTX-241806
8.6 (0.34)	2	609.6 (24.00)	x	457.2 (18.00)	x	203.2 (8.00)	79.4 (175.00)	29.5 (65.00)	DTX-241808
8.6 (0.34)	2	609.6 (24.00)	x	457.2 (18.00)	x	254.0 (10.00)	86.2 (190.00)	31.8 (70.00)	DTX-241810
8.6 (0.34)	2	609.6 (24.00)	x	457.2 (18.00)	x	304.8 (12.00)	106.6 (235.00)	39.5 (87.00)	DTX-241812
8.6 (0.34)	2	609.6 (24.00)	x	609.6 (24.00)	x	152.4 (6.00)	102.1 (225.00)	38.1 (84.00)	DTX-242406
8.6 (0.34)	2	609.6 (24.00)	x	609.6 (24.00)	x	203.2 (8.00)	106.6 (235.00)	39.5 (87.00)	DTX-242408
9.7 (0.38)	2	609.6 (24.00)	x	609.6 (24.00)	x	254.0 (10.00)	117.9 (260.00)	43.5 (96.00)	DTX-242410
9.7 (0.38)	2	609.6 (24.00)	x	609.6 (24.00)	x	304.8 (12.00)	136.1 (300.00)	50.3 (111.00)	DTX-242412
9.7 (0.38)	2	711.2 (28.00)	x	304.8 (12.00)	x	203.2 (8.00)	68.0 (150.00)	25.4 (56.00)	DTX-281208
9.7 (0.38)	2	711.2 (28.00)	x	304.8 (12.00)	x	304.8 (12.00)	83.9 (185.00)	31.3 (69.00)	DTX-281212
9.7 (0.38)	2	762.0 (30.00)	x	609.6 (24.00)	x	203.2 (8.00)	140.6 (310.00)	52.2 (115.00)	DTX-302408
9.7 (0.38)	2	762.0 (30.00)	x	609.6 (24.00)	x	254.0 (10.00)	152.0 (335.00)	56.2 (124.00)	DTX-302410
9.7 (0.38)	2	762.0 (30.00)	x	609.6 (24.00)	x	304.8 (12.00)	163.3 (360.00)	60.8 (134.00)	DTX-302412
9.7 (0.38)	2	762.0 (30.00)	x	609.6 (24.00)	x	457.2 (18.00)	217.7 (480.00)	72.1 (159.00)	DTX-302418
9.7 (0.38)	2	914.4 (36.00)	x	457.2 (18.00)	x	152.4 (6.00)	111.1 (245.00)	41.3 (91.00)	DTX-361806
9.7 (0.38)	2	914.4 (36.00)	x	457.2 (18.00)	x	203.2 (8.00)	163.3 (360.00)	43.5 (96.00)	DTX-361808
9.7 (0.38)	2	914.4 (36.00)	x	457.2 (18.00)	x	304.8 (12.00)	158.8 (350.00)	59.0 (130.00)	DTX-361812
9.7 (0.38)	2	914.4 (36.00)	x	457.2 (18.00)	x	457.2 (18.00)	249.5 (550.00)	94.8 (209.00)	DTX-361818
10.4 (0.41)	2	914.4 (36.00)	x	609.6 (24.00)	x	457.2 (18.00)	294.8 (650.00)	111.1 (245.00)	DTX-362418
11.2 (0.44)	5	914.4 (36.00)	x	914.4 (36.00)	x	203.2 (8.00)	220.0 (485.00)	83.5 (184.00)	DTX-363608
11.2 (0.44)	6	914.4 (36.00)	x	914.4 (36.00)	x	304.8 (12.00)	240.4 (530.00)	90.7 (200.00)	DTX-363612
11.2 (0.44)	6	914.4 (36.00)	x	914.4 (36.00)	x	457.2 (18.00)	385.6 (850.00)	142.9 (315.00)	DTX-363618

① Type DTX boxes must have a minimum of 3-1/2 full threads at all conduit entrances. The "Max. Conduit Size" listed herein indicates the maximum drilled and tapped conduit entrance which can be machined into the four unbossed sides of a given box to provide these 3-1/2 full threads. If larger conduit openings than those listed herein are required, bosses can be supplied by us at an additional cost to provide the minimum 3-1/2 full thread requirement. In addition to the minimum 3-1/2 full thread requirement, the length of thread at conduit entrances must also be at least 1/4". A 3/8" conduit entrance therefore requires a minimum of a 6.4 mm (0.25") wall thickness. For aluminum box and cover, add suffix -A.