

**SECTION 00 91 13  
ADDENDUM NUMBER 003**

**DATE:** MARCH 4, 2021

**PROJECT:** CRAIGHEAD COUNTY PUBLIC LIBRARY – CHILDREN’S ADDITION AND RENOVATION

**OWNER:** Craighead County Jonesboro Public Library

**ARCHITECT:** Cooper Mixon Architects, PLLC

**TO: BIDDERS:**

This Addendum forms a part of the Contract Documents and modifies the original Procurement Documents dated February 8, 2021, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the bid form. Failure to do so may disqualify the bidder.

This Addendum consists of the following documents and revisions:

**CHANGES TO THE PROJECT MANUAL - INTRODUCTORY REQUIREMENTS, PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS:**

1. Insert Section 00 91 13 - (This) Addendum Number 003 issued with this Addendum.

**CHANGES TO THE PROJECT MANUAL – SPECIFICATIONS**

2. Replace Section 01 10 00 – Summary with revised Section issued with this Addendum.

**ITEMS FOR CLARIFICATION:**

3. CURTAIN TO BE REUSED - Existing curtain is to be reused. Longest black curtain.
4. Owner will remove the trees down to stumps – no longer in Contract
5. ELECTRICAL –
6. **EXISTING PANEL E CONDUIT IS ROUTED ON ROOF. PROVIDE AND INSTALL B-LINE DURA-BLOK DB6 SERIES WITH B2400 CLAMPS AT EXISTING LOCATIONS OF 2X4 WOOD THAT EXISTING CONDUIT IS RESTING ON. EXTEND EXISTING CONDUIT ON ROOF TO NEW PANEL “CS” LOCATION. PROVIDE NEW B-LINE DURA-BLOK DB6 SERIES EVERY 10’-0” ON EXTENDED CONDUIT.**
7. **ROUTE NEW CONDUIT FOR PANEL “CS” PARALLEL TO EXISTING CONDUIT AND EXTENDED PORTION, PROVIDE AND INSTALL B-LINE DURA-BLOK DB6 SERIES WITH B2400 CLAMPS. (ENCLOSED)**
8. **PROVIDE AND INSTALL ONE SPARE B-LINE DURA-BLOK DB6 SERIES AT ALL NEW B-LINE DURA-BLOK LOCATIONS.**

**CHANGES TO DRAWINGS:**

1. **A-103 – REFLECTED CEILING PLAN – NEW ADDITION**
2. **A-104 – REFLECTED CEILING PLAN – REMODEL AREA**
3. **A-401 – WALL SECTIONS**

**4. A-402 – WALL SECTIONS**

**END OF SECTION**

**SECTION 01 10 00  
SUMMARY**

**PART 1 GENERAL**

**1.01 PROJECT**

- A. Project Name: Craighead County Jonesboro Public Library Children's Addition and Renovation.
- B. Owner's Name: Craighead County Jonesboro Public Library.
- C. Architect's Name: Cooper Mixon Architects, PLLC.
- D. The Project consists of a new addition to the existing children's area of the library and a renovation to the interior of the existing children's library.

**1.02 CONTRACT DESCRIPTION**

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 52 00 - Agreement Form.

**1.03 DESCRIPTION OF ALTERATIONS WORK**

- A. Scope of alterations work is indicated on drawings.

**1.04 OWNER OCCUPANCY**

- A. Owner intends to continue to occupy portions of the existing building during the entire construction period.
- B. Owner intends to occupy the Project upon Substantial Completion.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.
  - 1. Owner will move books.
  - 2. Contractor to accommodate required book storage during construction.

**1.05 CONTRACTOR USE OF SITE AND PREMISES**

- A. Construction Operations: Limited to areas noted on Drawings.
  - 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
  - 1. Owner occupancy.
  - 2. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
  - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
  - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Existing building spaces may not be used for storage.
- E. Time Restrictions:
  - 1. Limit conduct of especially noisy exterior work to times coordinated with Owner.
- F. Utility Outages and Shutdown:
  - 1. Limit disruption of utility services to hours the building is unoccupied.
  - 2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
  - 3. Prevent accidental disruption of utility services to other facilities.

**1.06 WORK SEQUENCE**

- A. Construct Work in phases during the construction period:
  - 1. Phase 1: [NEW ADDITION].
  - 2. Phase 2: [INTERIOR RENOVATION].
- B. Phase 1 will become a storage area for bookshelves and other items during Phase 2.
- B.C. Coordinate construction schedule and operations with Owner.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**



DURA-BLOK rooftop supports

BRTS-18

B-LINE  
SERIES

DURA-BLOK™

A complete rooftop support solution

**EATON**

*Powering Business Worldwide*



# DURA-BLOK rooftop solutions support



DURA-BLOK™ supports are made of 100% recycled rubber and are designed to provide an economical way to support pipes, HVAC systems, rooftop walkway systems, ducting, conduit, cable tray, and more.

## FEATURES & BENEFITS

- Made from 100% recycled rubber
- Qualifies for LEED credits
- Reflective strip on both sides allow for easy product visibility
- Channel is through bolted on all sizes for added strength
- 1" gap between blocks allows water to flow freely around longer assemblies
- No roof penetration required
- Product composition is not sharp or abrasive; helping to extend the roof life
- Resistant to freeze/thaw
- Dampens vibration
- No need for supplemental rubber pad
- Will not float or blow away
- UV resistant
- Suitable for any type roofing material or other flat surface
- For sloped roofs see adjustable hinge fitting (B634)
- Open ends allows for easier adjustments to DBE, DBR, and DBM series
- Drainage channel through center of block

## Components & accessories



### CLDP10 Load Distribution Plate

Material - steel

Increases ultimate uniform load capacity on DBE & DBR Series supports to 500 lbs. (2.22kN)

UPC/Part #	Cat. #	Thickness	Width	Length	Weight Each
782051 36110	<b>CLDP10</b>	11 Ga. (3.0mm)	1 7/8" (41mm)	9.5" (241mm)	0.53 (0.24kg)

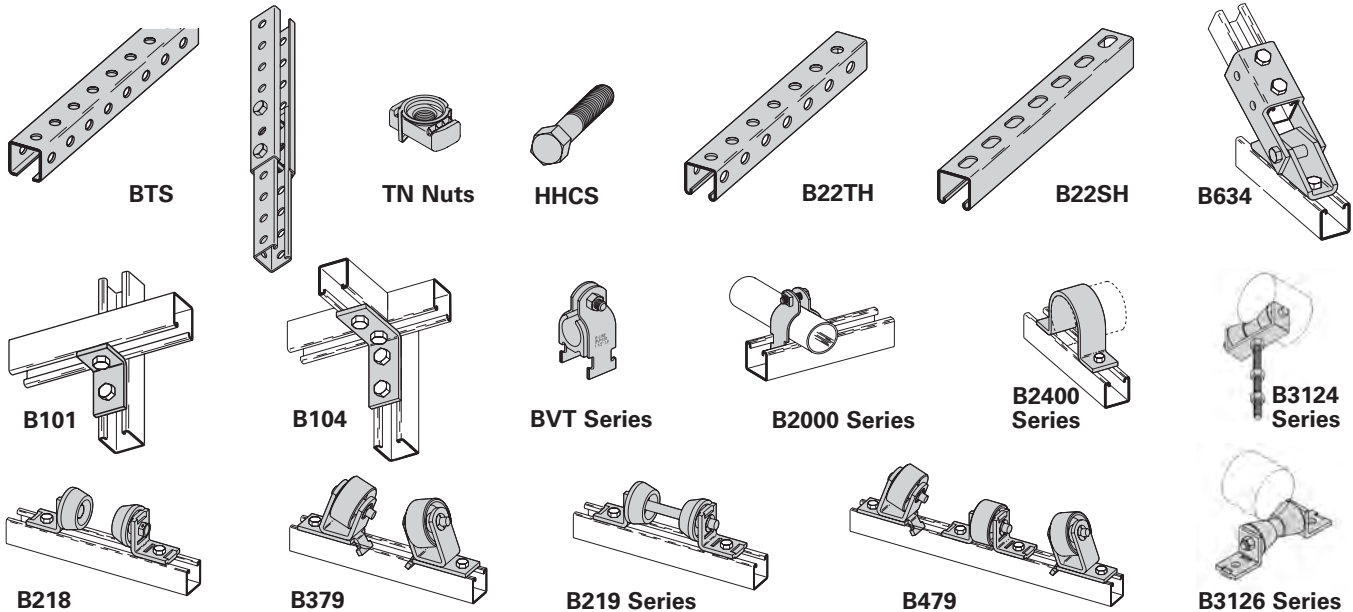


Loosen hex nuts and slide plate under the flat washers



Retighten the hex nuts with plate in place

## Compatible components



See Eaton's B-Line series Strut Systems Catalog for more information.

# Rooftop applications



DB10

## DB Series

**Base with Galv. Channel - 1" (25mm) high**

**Dimensions - 5" (127mm) High x 6" (152mm) Wide x Length (overall length)**

**Ultimate Load Capacity - (uniform load) \***

DB5 = 200 lbs. (0.89kN)  
 DB10 = 500 lbs. (2.22kN)  
 DB20 = 1,000 lbs. (4.45kN)

DB30 = 1,500 lbs. (6.67kN)  
 DB40 = 2,000 lbs. (8.89kN)  
 DB48 = 2,500 lbs. (11.12kN)

UPC/Part #	Cat. #	Height	Width	Overall Length	Weight Each
782051 50035	<b>DB5</b>	5" (127mm)	6" (152mm)	4.8" (122mm)	2.75 (1.25kg)
782051 49972	<b>DB10</b>	5" (127mm)	6" (152mm)	9.6" (244mm)	5.28 (2.39kg)
782051 49974	<b>DB20</b>	5" (127mm)	6" (152mm)	20.2" (513mm)	10.63 (4.82kg)
782051 50021	<b>DB30</b>	5" (127mm)	6" (152mm)	30.8" (782mm)	15.99 (7.25kg)
782051 50022	<b>DB40</b>	5" (127mm)	6" (152mm)	41.4" (1052mm)	21.34 (9.68kg)
782051 50023	<b>DB48</b>	5" (127mm)	6" (152mm)	52.0" (1321mm)	26.70 (12.4kg)



DB630

## DB6 Series

**Base with 12 ga. (2.6mm) Galv. Channel - 2<sup>7</sup>/<sub>16</sub>" (62mm) high**

**Dimensions - 6<sup>7</sup>/<sub>16</sub>" (163mm) High x 6" (152mm) Wide x Length (overall length)**

**Ultimate Load Capacity - (uniform load) \***

DB610 = 500 lbs. (2.22kN)  
 DB620 = 1,000 lbs. (4.45kN)  
 DB630 = 1,500 lbs. (6.67kN)

DB640 = 2,000 lbs. (8.89kN)  
 DB648 = 2,500 lbs. (11.12kN)

UPC/Part #	Cat. #	Height	Width	Overall Length	Weight Each
782051 50024	<b>DB610</b>	6 <sup>7</sup> / <sub>16</sub> " (163mm)	6" (152mm)	9.6" (244mm)	6.36 (2.88kg)
782051 50025	<b>DB620</b>	6 <sup>7</sup> / <sub>16</sub> " (163mm)	6" (152mm)	20.2" (513mm)	12.90 (5.85kg)
782051 50026	<b>DB630</b>	6 <sup>7</sup> / <sub>16</sub> " (163mm)	6" (152mm)	30.8" (782mm)	19.45 (8.82kg)
782051 50027	<b>DB640</b>	6 <sup>7</sup> / <sub>16</sub> " (163mm)	6" (152mm)	41.4" (1052mm)	26.00 (11.79kg)
782051 50028	<b>DB648</b>	6 <sup>7</sup> / <sub>16</sub> " (163mm)	6" (152mm)	52.0" (1321mm)	32.55 (14.76kg)



DB10-36

## DB10 Series

**Two (2) Bases with 12 ga. (2.6mm) Galv. Channel - 1<sup>5</sup>/<sub>8</sub>" (41mm) high**

**Dimensions - 6<sup>7</sup>/<sub>16</sub>" (143mm) High x 6" (152mm) Wide x Length (bridge length - see below)**

**Ultimate Load Capacity - 1,000 lbs. (4.45kN) (uniform load) \***

UPC/Part #	Cat. #	Height	Individual Base Length	Bridge Length	Weight Each
782051 50029	<b>DB10-28</b>	5 <sup>5</sup> / <sub>8</sub> " (143mm)	9.6" (244mm)	28" (711mm)	2.75 (1.25kg)
782051 50031	<b>DB10-36</b>	5 <sup>5</sup> / <sub>8</sub> " (143mm)	9.6" (244mm)	36" (914mm)	5.28 (2.39kg)
782051 50032	<b>DB10-42</b>	5 <sup>5</sup> / <sub>8</sub> " (143mm)	9.6" (244mm)	42" (1067mm)	10.63 (4.82kg)
782051 50033	<b>DB10-50</b>	5 <sup>5</sup> / <sub>8</sub> " (143mm)	9.6" (244mm)	50" (1270mm)	15.99 (7.25kg)
782051 50034	<b>DB10-60</b>	5 <sup>5</sup> / <sub>8</sub> " (143mm)	9.6" (244mm)	60" (1524mm)	21.34 (9.68kg)

\* For Roof Loading, Consult Roofing Manufacturer or Engineer. As with most commercial roofs, the weakest point may be the insulation board beneath the rubber membrane.

# Duct supports



## DB\_DS Series

**Two (2) Base Supports with Galv. Channel - 1" (25mm) high**  
**Dimensions - Height (overall) x Width (overall) x Length (overall) See table**  
**Riser Channels (SH Style) - 1½" (41mm) x 1½" (41mm) x 12 ga. (2.6mm)**  
**Fittings & Hardware - Electro-Plated Steel**  
**Ultimate Load Capacity - 1,000 lbs. (4.45kN) (uniform load)\***



DB2318DS

UPC/Part #	Cat. #	A (Minimum)	A (Maximum)	B	Weight Each
782051 50717	<b>DB2318DS</b>	10.56" (268mm)	20.75" (527mm)	13.50" (343mm)	33.31 (15.11kg)
782051 50718	<b>DB2918DS</b>	10.56" (268mm)	26.75" (679mm)	13.50" (343mm)	35.00 (15.88kg)
782051 50719	<b>DB4118DS</b>	10.56" (268mm)	38.75" (984mm)	13.50" (343mm)	38.40 (17.42kg)
782051 50720	<b>DB5318DS</b>	10.56" (268mm)	50.75" (1289mm)	13.50" (343mm)	41.80 (18.96kg)
782051 50721	<b>DB2324DS</b>	10.56" (268mm)	20.75" (527mm)	19.50" (495mm)	34.15 (15.49kg)
782051 50722	<b>DB2924DS</b>	10.56" (268mm)	26.75" (679mm)	19.50" (495mm)	35.84 (16.26kg)
782051 50723	<b>DB4124DS</b>	10.56" (268mm)	38.75" (984mm)	19.50" (495mm)	39.25 (17.80kg)
782051 50724	<b>DB5324DS</b>	10.56" (268mm)	50.75" (1289mm)	19.50" (495mm)	42.65 (19.34kg)
782051 50725	<b>DB2336DS</b>	10.56" (268mm)	20.75" (527mm)	31.50" (800mm)	35.84 (16.26kg)
782051 50726	<b>DB2936DS</b>	10.56" (268mm)	26.75" (679mm)	31.50" (800mm)	37.55 (17.03kg)
782051 50727	<b>DB4136DS</b>	10.56" (268mm)	38.75" (984mm)	31.50" (800mm)	40.95 (18.57kg)
782051 50728	<b>DB5336DS</b>	10.56" (268mm)	50.75" (1289mm)	31.50" (800mm)	44.34 (20.11kg)
782051 50729	<b>DB2348DS</b>	10.56" (268mm)	20.75" (527mm)	43.50" (1105mm)	37.55 (17.03kg)
782051 50730	<b>DB2948DS</b>	10.56" (268mm)	26.75" (679mm)	43.50" (1105mm)	39.25 (17.80kg)
782051 50731	<b>DB4148DS</b>	10.56" (268mm)	38.75" (984mm)	43.50" (1105mm)	42.65 (19.34kg)
782051 50732	<b>DB5348DS</b>	10.56" (268mm)	50.75" (1289mm)	43.50" (1105mm)	46.03 (20.88kg)

Cat. #	Height (overall)	Width (overall)	Length (Overall)
<b>DB2318DS</b>	23" (584mm)	25½" (651mm)	20.2" (513mm)
<b>DB2918DS</b>	29" (736mm)	25½" (651mm)	20.2" (513mm)
<b>DB4118DS</b>	41" (1041mm)	25½" (651mm)	20.2" (513mm)
<b>DB5318DS</b>	53" (1346mm)	25½" (651mm)	20.2" (513mm)
<b>DB2324DS</b>	23" (584mm)	31½" (803mm)	20.2" (513mm)
<b>DB2924DS</b>	29" (736mm)	31½" (803mm)	20.2" (513mm)
<b>DB4124DS</b>	41" (1041mm)	31½" (803mm)	20.2" (513mm)
<b>DB5324DS</b>	53" (1346mm)	31½" (803mm)	20.2" (513mm)
<b>DB2336DS</b>	23" (584mm)	43½" (1108mm)	20.2" (513mm)
<b>DB2936DS</b>	29" (736mm)	43½" (1108mm)	20.2" (513mm)
<b>DB4136DS</b>	41" (1041mm)	43½" (1108mm)	20.2" (513mm)
<b>DB5336DS</b>	53" (1346mm)	43½" (1108mm)	20.2" (513mm)
<b>DB2348DS</b>	23" (584mm)	55½" (1415mm)	20.2" (513mm)
<b>DB2948DS</b>	29" (736mm)	55½" (1415mm)	20.2" (513mm)
<b>DB4148DS</b>	41" (1041mm)	55½" (1415mm)	20.2" (513mm)
<b>DB5348DS</b>	53" (1346mm)	55½" (1415mm)	20.2" (513mm)

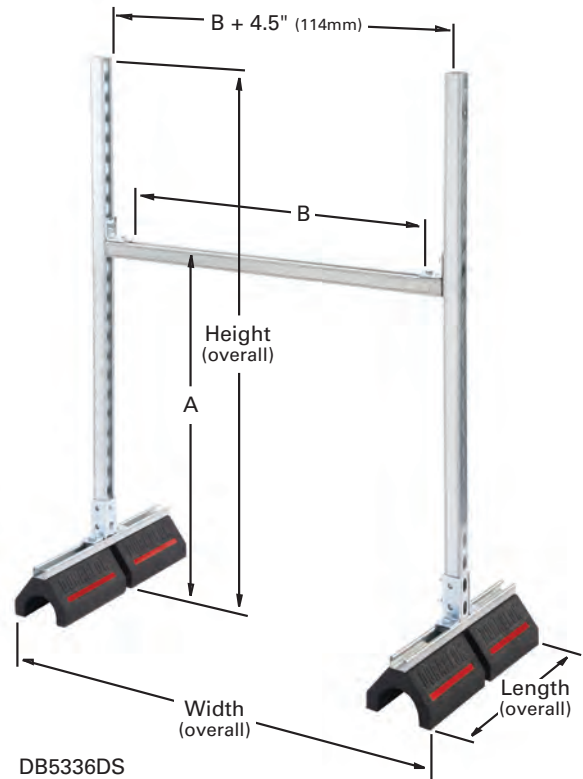
A = Adjustable height from bottom of DURA-BLOK™ to top of horizontal channel.

B = Space between fittings that support horizontal channel.

Height (overall) = Distance from bottom of DURA-BLOK to top of upright channel.

Width (overall) = Distance from outside-to-outside of DURA-BLOK supports.

Length (overall) = Distance from end-to-end of DURA-BLOK supports.



DB5336DS

*Product is shipped unassembled.*

**\* For Roof Loading, Consult Roofing Manufacturer or Engineer. As with most commercial roofs, the weakest point may be the insulation board beneath the rubber membrane.**



# Pipe supports



## DBR Series Fixed Height

**Base with Galv. Channel - 1" (25mm) high and Pipe Roller Assembly**

**Dimensions** - Height to Bottom of Pipe x 6" (152mm) Wide x Long (length) - See Below

**Pipe Roller Material** - Cast Iron - Electro-Plated

**Brackets, Axle & Hardware** - Electro-Plated Steel

**Ultimate Load Capacity** - (uniform load) \*

DBR2-3½ = 500 lbs. (2.22kN)

DBR12-14 = 1000 lbs. (4.44kN)

DBR4-6 = 500 lbs. (2.22kN)

DBR16-20 = 1000 lbs. (4.44kN)

DBR8-10 = 1000 lbs. (4.44kN)



DBR4-6

UPC/Part #	Cat. #	Roller Part No. <sup>†</sup>	Height**	Width	Length	Weight Each
782051 50745	<b>DBR2-3½</b>	B3126-2 to 3½	7.09" (180mm)	6" (152mm)	9.6" (244mm)	5.28 (2.39kg)
782051 50746	<b>DBR4-6</b>	B3126-4 to 6	7.09" (180mm)	6" (152mm)	9.6" (244mm)	10.63 (4.82kg)
782051 50747	<b>DBR8-10</b>	B3126-8 to 10	8.34" (212mm)	6" (152mm)	20.2" (513mm)	15.99 (7.25kg)
782051 50748	<b>DBR12-14</b>	B3126-12 to 14	8.34" (212mm)	6" (152mm)	20.2" (513mm)	21.34 (9.68kg)
782051 50749	<b>DBR16-20</b>	B3126-16 to 20	8.34" (212mm)	6" (152mm)	20.2" (513mm)	26.70 (12.11kg)



## DBR Series Adjustable Height

**Base with two (2) ½"-13" Electro Zinc All Threaded**

**Rod Risers and a B3114-3 ½" Pipe Roll with Sockets**

**Dimensions** - Overall Height as Specified Base - 4" High (101mm) x 6" (152mm) Wide x 9.6" (244mm) Length (base length)

**Ultimate Load Capacity** - 200 lbs. (0.89kN) \*

To increase load capacity use CLDP10 load distribution plate.



DBR10-12

UPC/Part #	Cat. #	Adjustable Height	Width	Length	Weight Each
782051 50750	<b>DBR10-12</b>	up to 12" (305mm)	6" (152mm)	9.6" (244mm)	6.46 (2.93kg)



## DBE Series Elevated

**Base with two (2) ½"-13 Electro Zinc All Threaded Rod**

**Risers and Galv. Slotted Channel - 1" (25mm) high**

**Dimensions** - Overall Height as Specified Base - 4" High (101mm) x 6" (152mm) Wide x 9.6" (244mm) Length (base length)

**Ultimate Load Capacity** - 200 lbs. (0.89kN) \*

To increase load capacity use CLDP10 load distribution plate.



DBE10-12

*For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see other components on page 2.*

UPC/Part #	Cat. #	Adjustable Height	Width	Channel Length	Weight Each
782051 50036	<b>DBE10-8</b>	5½" - 8" (140 - 203mm)	6" (152mm)	9.35" (161mm)	5.68 (2.58kg)
782051 50037	<b>DBE10-12</b>	5½" - 12" (140 - 305mm)	6" (152mm)	9.35" (161mm)	5.72 (2.59kg)
782051 50038	<b>DBE10-16</b>	5½" - 16" (140 - 406mm)	6" (152mm)	9.35" (161mm)	5.76 (2.61kg)

Longer base lengths available.

Note: At heights above 12" (305mm), we suggest using the DB\_DS Series Channel Support with Risers for additional stability to piping system.

<sup>†</sup> See Eaton B-Line series Pipe Hanger Catalog for dimensions and specifications.

\*\* From bottom of DURA-BLOK™ to bottom of pipe/tubing.

\* For Roof Loading, Consult Roofing Manufacturer or Engineer. As with most commercial roofs, the weakest point may be the insulation board beneath the rubber membrane.

# Rooftop pipe supports



## DBM Series

Base with one (1) 3/8" - 16 Electro Zinc All Threaded Rod and Hinged Pipe Clamp

**Dimensions** - Height to Pipe Center x 6" (152mm) Wide x 4.8" (122mm) Long (overall length)

**Pipe Clamp Material** - Malleable Iron

**Threaded Rod / Hardware** - Electro-Plated Steel

**Ultimate Load Capacity** - 50 lbs. (0.22kN) (uniform load) \*



DBM-2CT



DBM-1

### Copper Tubing Supports

UPC/Part #	Cat. #	Clamp Part No.†	Height (Min.)**	Height (Max)**	Width	Length	Weight Each
782051 50733	<b>DBM-1/2CT</b>	B3198HCT-1/2	9.69" (246mm)	11.19" (284mm)	6" (152mm)	4.80" (122mm)	2.75 (1.25kg)
782051 50734	<b>DBM-3/4CT</b>	B3198HCT-3/4	9.84" (250mm)	11.34" (288mm)	6" (152mm)	4.80" (122mm)	2.76 (1.25kg)
782051 50735	<b>DBM-1CT</b>	B3198HCT-1	9.95" (253mm)	11.45" (291mm)	6" (152mm)	4.80" (122mm)	2.84 (1.29kg)
782051 50736	<b>DBM-1 1/4CT</b>	B3198HCT-1 1/4	10.13" (257mm)	11.63" (295mm)	6" (152mm)	4.80" (122mm)	2.95 (1.34kg)
782051 50737	<b>DBM-1 1/2CT</b>	B3198HCT-1 1/2	10.28" (261mm)	11.78" (299mm)	6" (152mm)	4.80" (122mm)	2.96 (1.34kg)
782051 50738	<b>DBM-2CT</b>	B3198HCT-2	10.53" (267mm)	12.03" (305mm)	6" (152mm)	4.80" (122mm)	3.03 (1.37kg)

### Steel Pipe Supports

UPC/Part #	Cat. #	Clamp Part No.†	Height (Min.)**	Height (Max)**	Width	Length	Weight Each
782051 50739	<b>DBM-1/2</b>	B3198H-1/2	9.86" (250mm)	11.36" (288mm)	6" (152mm)	4.80" (122mm)	2.78 (1.26kg)
782051 50740	<b>DBM-3/4</b>	B3198H-3/4	10.06" (255mm)	11.56" (293mm)	6" (152mm)	4.80" (122mm)	2.84 (1.29kg)
782051 50741	<b>DBM-1</b>	B3198H-1	10.14" (257mm)	11.64" (296mm)	6" (152mm)	4.80" (122mm)	2.86 (1.30kg)
782051 50742	<b>DBM-1 1/4</b>	B3198H-1 1/4	10.25" (260mm)	11.75" (298mm)	6" (152mm)	4.80" (122mm)	2.93 (1.33kg)
782051 50743	<b>DBM-1 1/2</b>	B3198H-1 1/2	10.42" (265mm)	11.92" (303mm)	6" (152mm)	4.80" (122mm)	2.99 (1.36kg)
782051 50744	<b>DBM-2</b>	B3198H-2	10.66" (271mm)	12.16" (309mm)	6" (152mm)	4.80" (122mm)	3.10 (1.41kg)

## Base only

DURA-BLOK™ channel support is designed as an economical support for piping systems, cable tray, HVAC equipment and many other applications.



**Dimensions** - 4" (101mm) High x 6" (152mm) Wide x 9.6" (244mm) Long (base length)

**Ultimate Load Capacity** - (uniform load) \*

DBP - 500 lbs. (2.22kN)

DBM - 200 lbs. (0.89kN)



DBP



DBM

UPC/Part #	Cat. #	Height	Width	Length	Weight Each
782051 49691	<b>DBP</b>	4" (101mm)	6" (152mm)	9.6" (244mm)	4.48 (2.03kg)
782051 50005	<b>DBM</b>	4" (101mm)	6" (152mm)	4.8" (122mm)	2.35 (1.07kg)

† See Eaton B-Line series Pipe Hanger Catalog for dimensions and specifications.

\*\* From bottom of DURA-BLOK™ to bottom of pipe/tubing.

\* For Roof Loading, Consult Roofing Manufacturer or Engineer. As with most commercial roofs, the weakest point may be the insulation board beneath the rubber membrane.

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. The work covered by this specification consists of furnishing all labor, equipment, materials and accessories, and performing all operations required for the correct installation of recycled rubber pipe [conduit] supports for mechanical piping [electrical conduit] systems.

### 1.02 REFERENCES

- A. ASTM A653 G90 SS Gr. 33 - Specification for Steel Sheet, Zinc Coated (Galvanized) by the Hot Dipped Process
- B. ASTM B633 - Specification for Electrodeposited Coatings of Zinc on Iron and Steel
- C. ASTM C531 – Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical Resistant Mortars, Grouts, Monolithic Surfaces, and Polymer Concretes
- D. ASTM C642 – Test Method for Specific Gravity, Absorption, and Voids in Hardened Concrete
- E. ASTM C672 – Test Methods for Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals
- F. ASTM D412 – Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension
- G. ASTM D395 – Standard Test Methods for Rubber Property – Compression Set
- H. ASTM D573 – Test Method for Rubber – Deterioration in an Air Oven
- I. ASTM D746 – Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
- J. ASTM D2240 – Test Method for Rubber Property – Durometer Hardness
- K. NFPA 70 – National Electrical Code

### 1.03 QUALITY ASSURANCE

- A. Rubber / steel pipe supports shall be manufactured under a strict quality control program assuring quality product delivered to the jobsite. Pipe supports that are damaged shall not be installed.
- B. Workmanship: All pipe [conduit] supports to be installed by a qualified piping [electrical] contractor and installed in accordance with manufacturer's recommendations.
  - 1. All work shall comply with all applicable federal, state, and local codes and laws having jurisdiction.
  - 2. All work shall conform to accepted industry and trade standards for pipe support [conduit] installations.

## PART 2 PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

- A. Manufacturer: Subject to compliance with these specifications, pipe support systems shall be DURA-BLOK™ design as supplied by Eaton [or engineer approved equal].

### 2.02 MATERIALS

- A. Curb base must be made of 100% recycled rubber and polyurethane prepolymer with a uniform load capacity of 500 pounds per linear foot of support.\* In addition, each base to have a reflective red stripe. (\*See 3.01(C))
- B. Dimensions: 6-inches wide by [4] [5.0] [6.75] inches tall by [9.6] [20.2] [30.8] [41.4] [52.0] inches long.
- C. Steel frame: Steel, strut galvanized per ASTM A653 or strut galvanized per ASTM A653 for bridge series.
- D. Attaching hardware: Zinc-plated threaded rod, nuts and attaching hardware per ASTM B633.

- E. Any products claiming to be a similar, like, or equal must demonstrate (meet or exceed) the same physical and performance characteristics as specified below:

- 1. Density: 0.52 oz/cu in ASTM D575
- 2. Durometer Hardness: 67.2A ± 1 ASTM D575
- 3. Tensile Strength: 231 psi minimum ASTM D575
- 4. Compression Deformation: 5% at 70psi and 72°F ASTM D575
- 5. Brittleness at Low Temp: -50°F ASTM D746
- 6. Weathering: 70 hours at 120°F ASTM D573
  - a. Hardness retained: 100% (±5%)
  - b. Compressive strength: 100% (±5%)
  - c. Tensile strength: 100% (±5%)
  - d. Elongation retained: 100% (±5%)

### 2.03 TYPE OF ROOFTOP SUPPORTS

- A. Rubber block supports – DURA-BLOK™ model # [DBP] [DMB] base dimensions: 6-inch wide by 4-inch tall by [9.6] [4.8]-inch length. Accessories are fastened directly into rubber material with weather resistant type 12 lag screws.
- B. Continuous block channel supports – DURA-BLOK DB Series or DB6 Series: Dimensions 6-inch wide bt [5.0] [6.5]-inch tall bt [9.6] [20.2] [30.8] [41.4] [52.0]-inch length. Assembly has 1" gaps between blocks for free flow of water. Standard strut accessories can be used for attachment.
- C. Bridge channel supports – DURA-BLOK DB10 Series; Dimensions 6-inch wide by 5½ -inch tall by [28.0] [36.0] [42.0] [50.0] [60.0]-inch length. Standard strut accessories can be used for attachment.
- D. Extendible height support – DURA-BLOK model DBE 10-[8][12][16], height to suit application: 8-inch, 12-inch or 16-inch (200 pound maximum load). Base to be 9.6 inches in length or otherwise specified sizes available. Heavier loads, may require CLDP load distribution plate.
- E. Roller supports– DURA-BLOK DBR10 Series & DBR Series: DBR10 Series is sized for pipe up to 3½ inches, with vertical adjustment up to 12 inches. DBR Series is sized for [2-3½] [4-6] [8-10] [12-14] [16-20]-inch pipe sizes.
- F. Elevated single pipe supports– DURA-BLOK DBM Series: [Copper] or [Steel] pipe sizes [½] [¾] [1] [1¼] [1½] [2]-inch.

## PART 3 EXECUTION

### 3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions and recommendations.
- B. If gravel top roof, gravel must be removed around and under pipe support.
- C. Always consult roofing manufacturer for roof membrane compression capacities. If necessary, a compatible sheet of roofing material (rubber pad) may be installed under rooftop support to disperse concentrated loads and add further membrane protection.
- D. Gas pipe spacing subject to local gas authorities.
- E. Use properly sized clamps to suit pipe [conduit] sizes.



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