



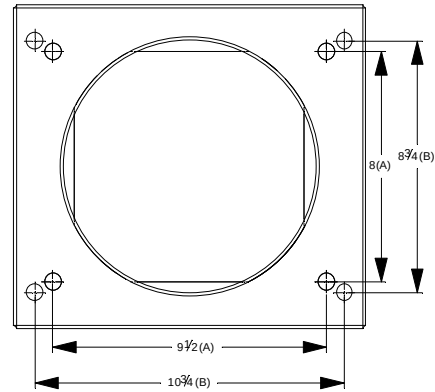
**Switch Heater
Air Distribution Ducts & Accessories
Parts Catalog**

101 Newark Way, Maplewood N.J. 07040
Phone: (800) 21 RAILS (72457) ☎ Fax: (973) 763-2585
Email: Rails@Railsco.com ☎ Web: www.railsco.com

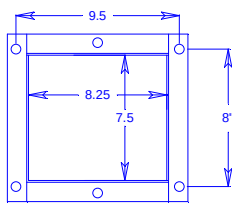
9" Flexible Duct Extension



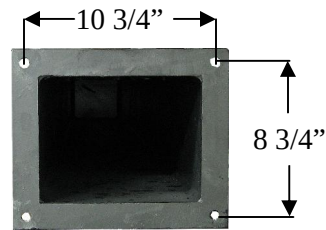
Mounting Hole Layouts



Flexible Ducts can be used with these duct flanges



8.25x 7.5 Flat Flange
(A)



Duct Tie Flange
(B)

Can be used with Original (recessed flange) type ducts with use of adapter

**For 9" x 9" Ducts, Reference HAB 11012-X (10" Dia.)*

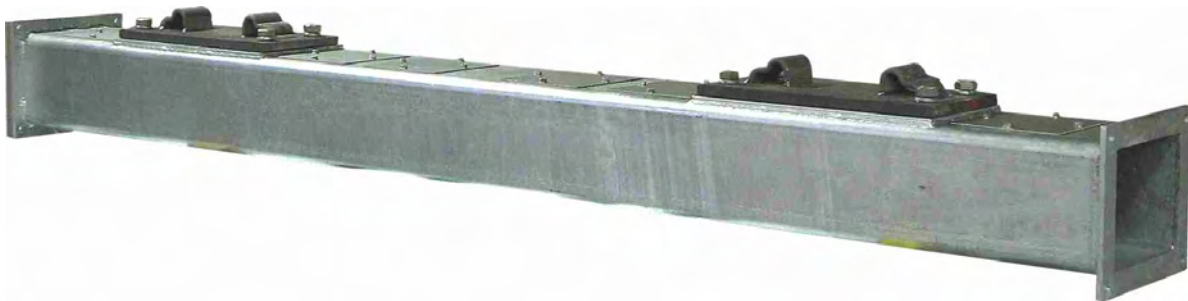
Part Number	Compressed Length (as sold)	Expanded Length (18%)
HAB-11013-1	12"	14 1/6"
HAB-11013-2	24"	28 1/3"
HAB-11013-3	36"	42 1/2"
HAB-11013-4	48"	56 2/3"
HAB-11013-45	54"	63 3/4"
HAB-11013-5	60"	70 4/5"
HAB-11013-55	66"	77 7/8"
HAB-11013-6	72"	85"
HAB-11013-65	78"	92"
HAB-11013-7	84"	99 1/8"
HAB-11013-75	90"	106 1/5"
HAB-11013-8	96"	113 2/7"
HAB-11013-9	108"	127 4/9"
HAB-11013-10	120"	141 3/5"



HAB-11013-202
9" Flex Duct Isolation Kit
(Included with Duct Extensions)

Duct Ties

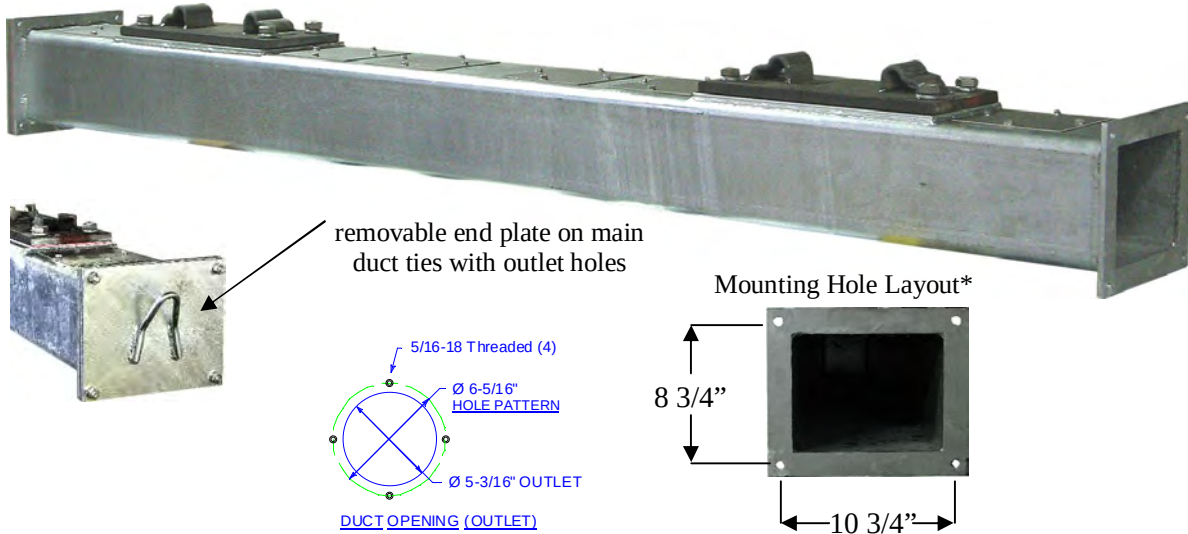
- ◆ Pandrol e-clip fastener type
 - ◆ Safelok fastener type
- ◆ Duct Tie Modular Duct Layouts





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DUCT TIE (9 FT)- with Pandrol e-Clip Fastener



- *Must be used with flexible duct (type HAB-11013-[]) see listing for available lengths.
- **Flexible Nozzles recommended due to tie 'pumping' action
- ***All duct ties are equipped with expanded metal (mesh) on 3 sides.

DUCT TIE (e-Clip) for 115# to 119# Rail - Complete with Rail Seat Assy

HAB-11000-6-115 Duct Tie with 6 Outlet Holes, c/w removable end plate

HAB-11000-0-115 Duct Tie (thru) without Outlet Holes

This duct suitable for 2nd to 4th track layouts, used as an extension.

DUCT TIE (e-Clip) for 132# to 140# Rail - Complete with Rail Seat Assy

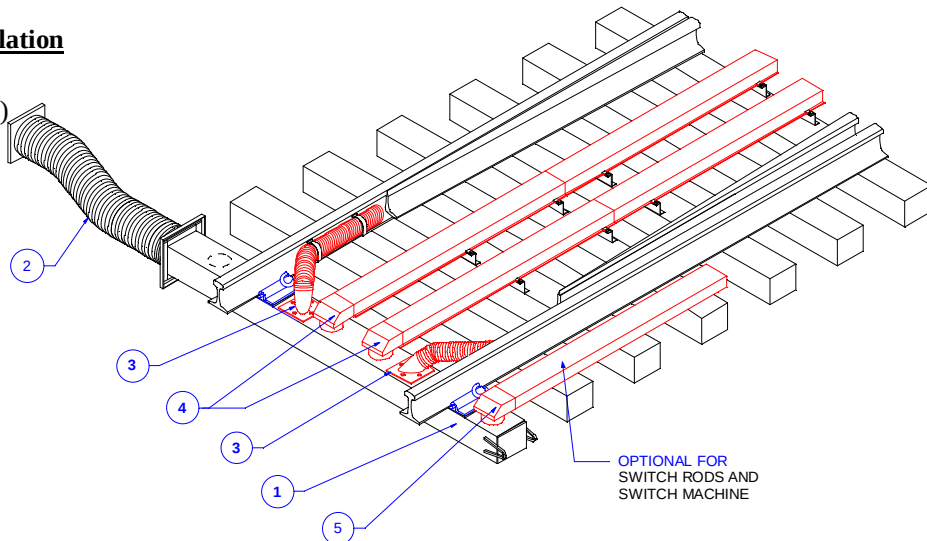
HAB-11000-6-132 Duct Tie with 6 Outlet Holes, c/w removable end plate

HAB-11000-0-132 Duct Tie (thru) without Outlet Holes

This duct suitable for 2nd to 4th track layouts, used as an extension.

Typical Duct Tie Installation

1. Duct Tie (6 Outlet Hole)
2. Flexible Duct - (Lengths vary, see listing)
3. Flexible Nozzles (Lengths vary, see listing)
4. Modular Duct Layout
5. Throw Rod Modular Duct Layout for switch machines.



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DUCT TIE (9 FT)- with Pandrol e-Clip Fastener

Rail mounting kits with Pandrol e-clip (2 Kits needed per duct tie). Kits contains all components to mount 1 tie plate to duct tie. Comes with insulators, clips & tie plate.

HAB-11016-1 Rail Seat Assembly (e-clip) for 115# to 119# Rail



HAB-11016-01 (1 per assy.)
Tie Plate, 115# to 119# Rail



HAB-11005-2 (2 per assy.)
Nylon Shim Insulator
Used on 115# to 140# rail



HAB-11005-1 (2 per assy.)
Pandrol e - Clip,
Used on 115# to 140# rail



HAB-11005-115-1 (2 per assy.)
Tie Pad 3/16", 115# to 119# Rail

HAB-11016-2 Rail Seat Assembly (e-clip) for 132-140# Rail



HAB-11016-02 (1 per assy.)
Tie Plate, 132# to 140# Rail



HAB-11005-2 (2 per assy.)
Nylon Shim Insulator
Used on 115# to 140# rail

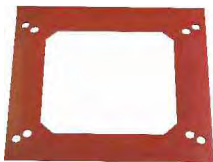


HAB-11005-1 (2 per assy.)
Pandrol e - Clip,
Used on 115# to 140# rail



HAB-11005-132-1 (2 per assy.)
Tie Pad 3/16", 132#-140# Rail

Other Components



HAB-9335-7
Universal Gasket



HAB-11000-007
End Cover Plate for 8'
6" and 9' Duct Tie



HAB-9344-1
Cover Plate, Main Duct
Without hardware



HAB-11002-2
Insulating Plate (optional)



TR-5066-001
Screw, Hex
7/8-9"x 2"



TR-5066-002
Lock Washer 7/8"



HD-7571-14
Hex head bolt
1/2-13 x 1-3/4



HAB-11017-08
Split Lock
Washer 1/2"

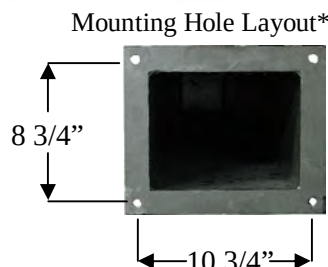
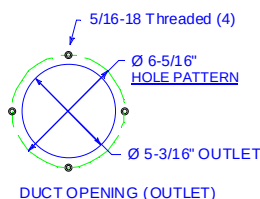


HD-7575-SS
Stainless Steel
Nut, 1/2-13,

DUCT TIE (9 FT)- with Safelok Fastener



removable end plate on main duct ties with outlet holes



*Must be used with flexible duct (type HAB-11013-[]) see listing for available lengths.

**Flexible Nozzles recommended due to tie 'pumping' action

***All duct ties are equipped with expanded metal (mesh) on 3 sides.

DUCT TIE (Safelok) for 115# to 119# Rail - Complete with Rail Seat Assy

HAB-11060-6-115 Duct Tie with 6 Outlet Holes, c/w removable end plate

HAB-11060-0-115 Duct Tie (thru) without Outlet Holes

This duct suitable for 2nd to 4th track layouts, used as an extension.

DUCT TIE (Safelok) for 132# to 140# Rail - Complete with Rail Seat Assy

HAB-11060-6-132 Duct Tie with 6 Outlet Holes, c/w removable end plate

HAB-11060-0-132 Duct Tie (thru) without Outlet Holes

This duct suitable for 2nd to 4th track layouts, used as an extension.

Typical Duct Tie Installation

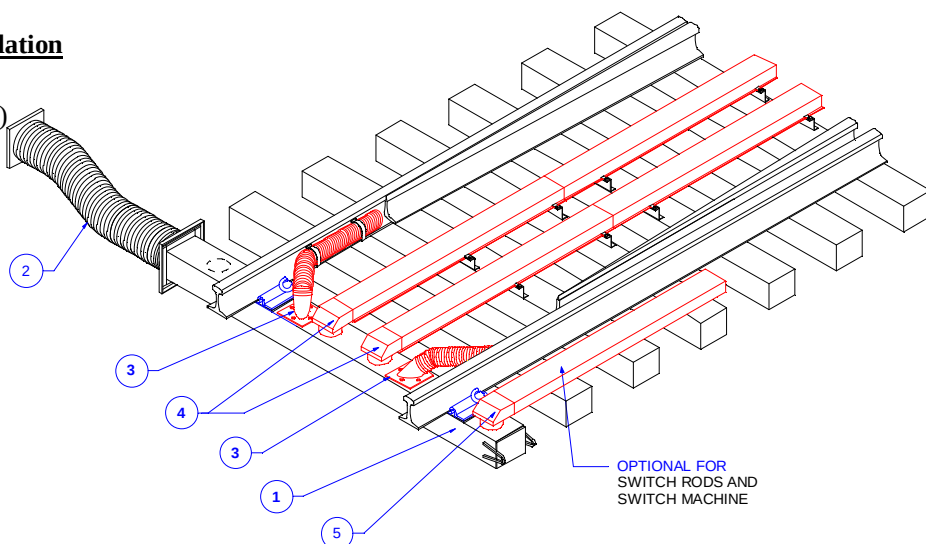
1. Duct Tie (6 Outlet Hole)

2. Flexible Duct -
(Lengths vary, see listing)

3. Flexible Nozzles
(Lengths vary, see listing)

4. Modular Duct Layout

5. Throw Rod Modular
Duct Layout for switch
machines.



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20070502

DUCT TIE (9 FT)- with Safelok Fastener

Rail mounting kits with Pandrol e-clip (2 Kits needed per duct tie). Kits contains all components to mount 1 tie plate to duct tie. Comes with insulators, clips & tie plate.

HAB-11017-1 Rail Seat Assembly (Safelok) for 115# to 119# Rail (1 ea)



HAB-11017-01
Tie Plate, 115# to
&136# Safelok



HAB-11017-06
Pad, Abrasion
Assy. Safelok



HAB-11017-08
Clip, Spring,
Safelok (Brown)



HAB-11017-04
Spring Clip
Long Reach.



HAB-11017-05
Insulator,
Safelok, (black)



HAB-11017-07
Insulator,
Safelok, (Grey)



HAB-11002-2
Insulating Plate

HAB-11017-2 Rail Seat Assembly (Safelok) for 132-140# Rail



HAB-11017-01
Tie Plate, 115# to
&136# Safelok
(1 per assy)



HAB-11017-06
Pad, Abrasion
Assy. Safelok
(1 per assy)



HAB-11017-08
Clip, Spring,
Safelok (Brown)
(2 per assy)



HAB-11017-02
Insulator Safelok
(Natural) (2 per assy)



HAB-11002-2
Insulating Plate (1 per assy)

Other Components



HAB-9335-7
Universal Gasket



HAB-11000-007
End Cover Plate for 8'
6\" and 9'Duct Tie



HAB-9344-1
Cover Plate, Main Duct
Without hardware



TR-5066-001
Screw, Hex
7/8-9\" x 2\"



TR-5066-002
Lock Washer 7/8\"



HD-7571-14
Hex head bolt
1/2-13 x 1-3/4



HAB-11017-08
Split Lock
Washer 1/2\"

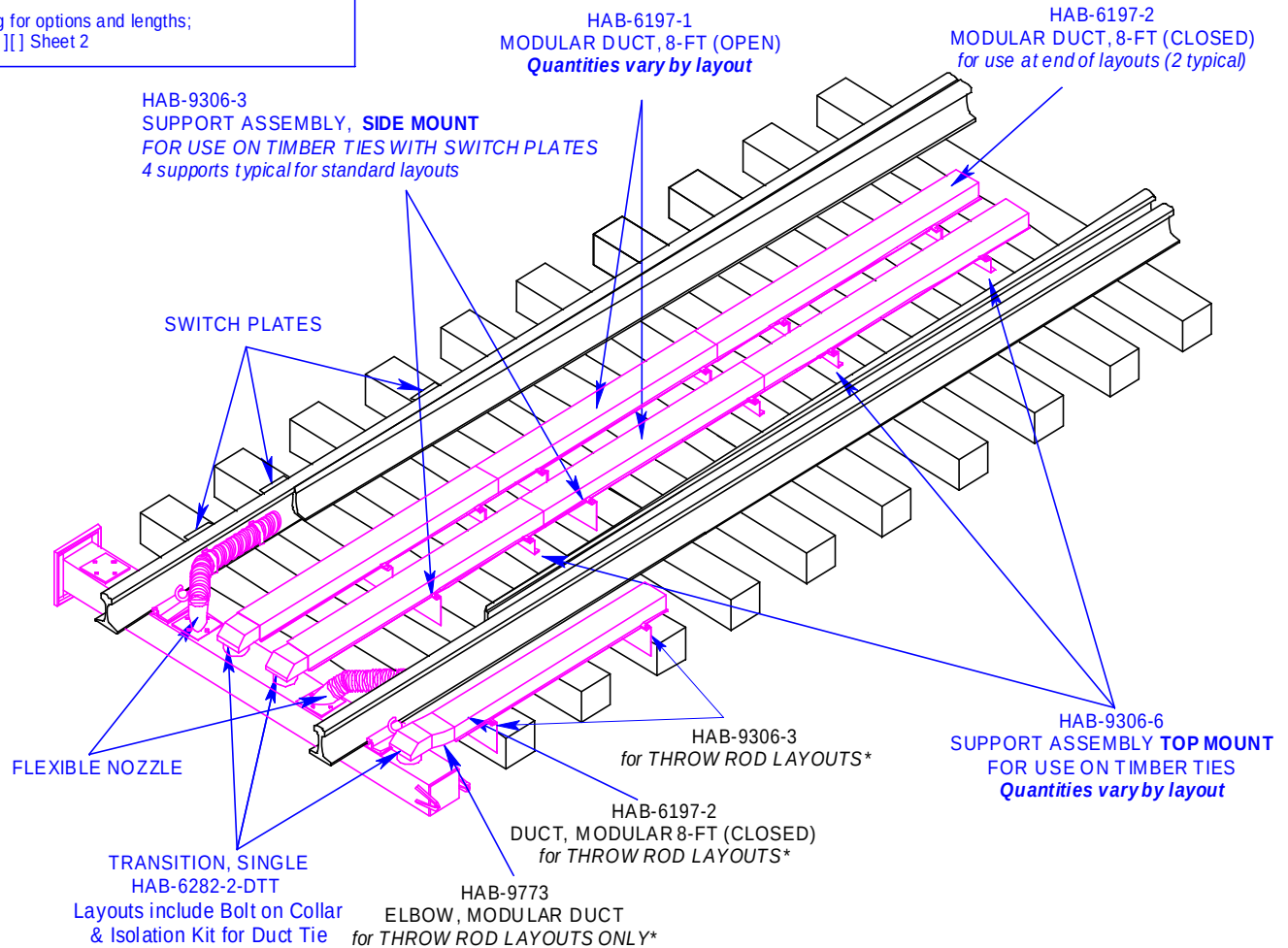


HD-7575-SS
Stainless Steel
Nut, 1/2-13,

Modular Duct Layouts - Duct Tie

This drawing shows a typical modular duct layout (24 foot shown) on timber ties and a throw rod/crank rod modular duct layout (8 foot shown).

See drawing for options and lengths;
HAB-6220-[] Sheet 2



*NOTE: FLEXIBLE NOZZLE ALSO AVAILABLE
HAB-11003-R40
FLEX NOZZLE KIT
FOR THROW ROD SWITCH MACHINE



See reverse side for lengths and options
See Modular Duct & Components Parts Catalog for individual parts



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20100309

Modular Duct Layouts – Duct Tie

Standard Switches	Switch Length	Mod Duct 8 FT. OPEN HAB-6197-1	Mod Duct 8 FT. CLOSED HAB-6197-2	Single Transition HAB-6282-2	Support Assembly Quantity's - SEE TABLE			Elbow, Mod Duct HAB-9773	Mod Duct 5 FT. CLOSED HAB-6197-4
					HAB-9306-3	HAB-9306-6	HAB-9458-2		
HAB-6220-8-[]	8 FT.	0	2	2	4	0	4		
HAB-6220-16-[]	16 FT.	2	2	2	4	4	8		
HAB-6220-24-[]	24. FT.	4	2	2	4	8	12		
HAB-6220-30-[]	30 FT.	6	2	2	4	12	16		
HAB-6220-39-[]	39 FT.	8	2	2	4	16	20		
Derail Switches									
HAB-6220-66-[]	16 FT.	1	1	1	4	0	4		
HAB-6220-74-[]	24 FT.	2	1	1	4	2	6		
HAB-6220-80-[]	30 FT.	3	1	1	4	4	8		
HAB-6220-89-[]	39 FT.	4	1	1	4	6	10		
Throw Rod (Switch Machine)									
HAB-6220-R5-[]		0	0	1	2	0	2	1	1
HAB-6220-R8-[]		0	1	1	2	0	2	1	

-[]	Modular Duct Layout for use with:	Support Assemblies Included HAB-9306-3 HAB-9306-6 HAB-9458-2	
-DTT	Main Duct Tie w/ Timber Ties	YES	NO
-DTC	Main Duct Tie w/Concrete Ties	NO	YES

For use with Duct TIES

**All Layouts come with Electrical Isolation Kit (HAB-11005-4)
& Bolt-on Collar (HAB-10504-1)
1 each per transition**



Duct shown for reference only

Bolt-On Collar
DTT and DTC
layouts only



5" dia. TRANSITION

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE ARE: FRACTIONS DECIMALS ANGLES ± 1/64 ±.005 ± 1/2° ±.006 ±.005		 RAILS CO. 101 NEWARK WAY MAPLEWOOD, N.J. 07040-3309 PHONE 973-763-4320 FAX 973-763-2585	
MATERIAL:	SCALE:---	DRAWN BY: ETO	APPROVED BY: TJB
MATERIAL:	MODULAR DUCT LAYOUTS FOR MAIN DUCT TIES (Adjustable Height transition)		
	DATE: 11-22-06	DWG NO: HAB-6220-[] - [] Sht 2	

Rails Company Parts Catalog

Main Ducts & Duct Extensions (8.25 x 7.5) Ducts (Flat Flange)

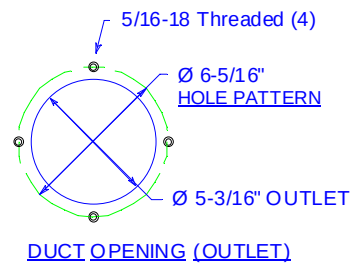
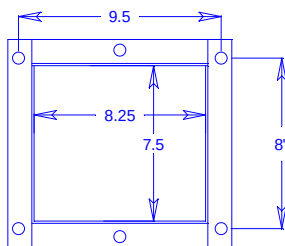
Nozzles & Accessories

6-5/16 Dia. mounting pattern

Including Standard Air Nozzles & Flexible Air Nozzles

Modular Duct Layouts

6-5/16 Dia. mounting pattern

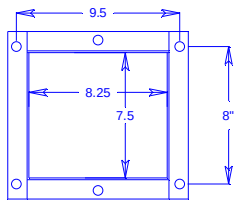




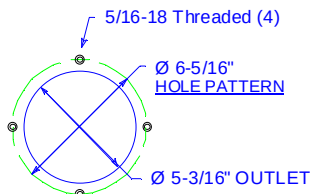
101 Newark Way, Maplewood N.J. 07040
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Email: Rails@Railsco.com ● Web: www.railsco.com

20061130

Main Ducts & Extensions - (8.25 x 7.5) Ducts (Flat Flange)



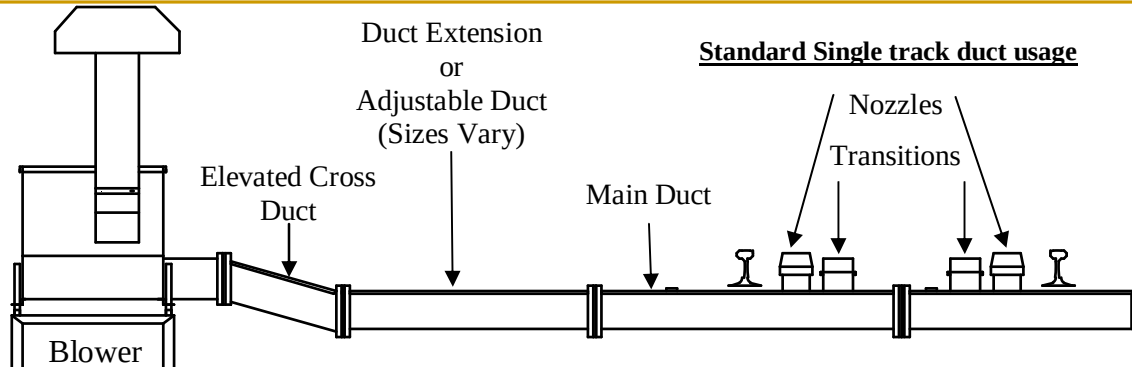
Mounting hole layout



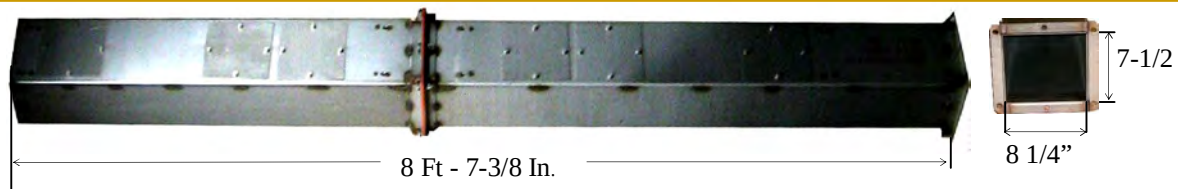
DUCT OPENING (OUTLET)



HAB-9403 Duct Isolation Kit

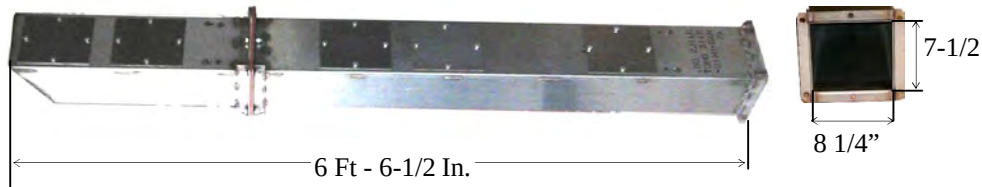


Standard Single track duct usage



HAB-9410-S Main Duct

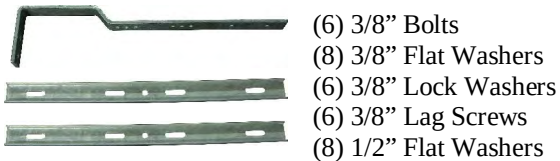
Stainless Steel Main Duct with 6 holes. Furnished with HAB-9366-202-1 Main Duct Mounting Hardware kit .



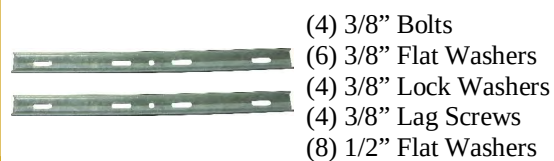
HAB-9410-4S Main Duct

Stainless Steel Main Duct with 5 holes. Furnished with HAB-9366-202-2 Main Duct Mounting Hardware kit

HAB-9366-202-1 Main Duct Mounting Hardware kit



HAB-9366-202-2 Main Duct Mounting Hardware kit



Elevated Cross Duct

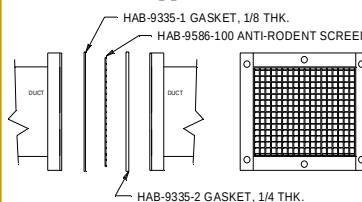
HAB-9415-S

Stainless Steel Elevated Cross Duct.
Without inspection door

HAB-9415-DS

Stainless Steel Elevated Cross Duct.
With inspection door (shown)

HAB-9586 Anti-Rodent Screen
Supplied w/ 1/8\"/>



1/4\"/>



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20090310

Main Ducts & Extensions - (8.25x 7.5) Ducts (Flat Flange)

Adjustable Ducts

HAB-9419-1S	5' to 10'
HAB-9419-2S	2 1/2 - 5Ft
HAB-9419-3S	3' to 6'
HAB-9419-4S	22"-36"

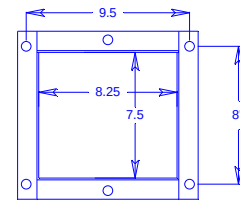
Furnished with Gasket
Hardware Kit HAB-9403



Duct Extensions for 8.25x7.5 ducts

HAB-9418-1S	12"	HAB-9418-7S	84"
HAB-9418-2S	24"	HAB-9418-8S	96"
HAB-9418-3S	36"	HAB-9418-9S	108"
HAB-9418-4S	44"	HAB-9418-10S	120"
HAB-9418-4S	48"	HAB-9418-11S	132"
HAB-9418-53S	53"	HAB-9418-12S	144"
HAB-9418-5S	60"	HAB-9418-13S	156"
HAB-9418-69S	69.5"	HAB-9418-14S	168"
HAB-9418-6S	72"	HAB-9418-15S	180"
		HAB-9418-16S	192"

Furnished with Gasket Hardware Kit HAB-9403



Mounting Hole Layout
for all ducts on this page

Insulated Duct Extension Casings for 8.25 x 7.5 Ducts



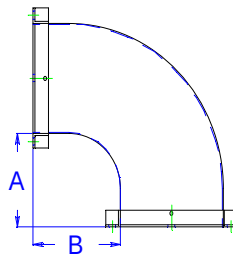
Insulation casings
are available for
all size ducts .

HAB-7587-1	Casing, Duct, 1 ft (9")
HAB-7587-2	Casing, Duct, 2 (21")
HAB-7587-3	Casing, Duct, 3 ft., (33")
HAB-7587-4	Casing, Duct, 4 ft., (45")
HAB-7587-44	Casing, Duct, (44")
HAB-7587-47	Casing, Duct, (47")
HAB-7587-5	Casing, Duct, 5 ft., (57")
HAB-7587-6	Casing, Duct, 6 ft., (69")
HAB-7587-7	Casing, Duct, 7 ft., (81")
HAB-7587-76	Casing, Duct, Insulated, (76")
HAB-7587-8	Casing, Duct, 8 ft., (93")
HAB-7587-10	Casing, Duct, 10 ft. & 10' adjustable duct
HAB-7587-11	Casing, Duct Extension (50")
HAB-7587-12	Casing, Duct, Extension (53")

Elbow Duct, 90 deg.



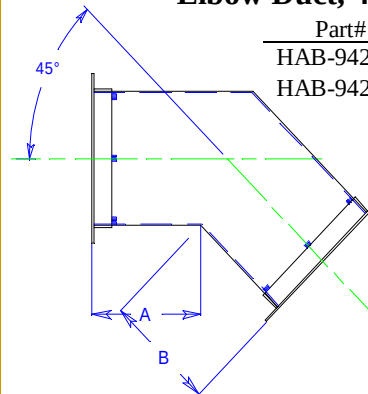
Part#	Dim. A	Dim. B
HAB-9422-1S	7"	7"
HAB-9422-2S	15"	7-1/2"
HAB-9422-3S	13-1/4"	16-3/4"
HAB-9422-5S	15"	20"
HAB-9422-6S	10-7/8"	18-5/8"



Furnished w/ Gasket
Hardware Kit
HAB-9403

Elbow Duct, 45 deg.

Part#	Dim. A	Dim. B
HAB-9420-1	7"	7"
HAB-9420-2	3"	3"



Furnished w/ Gasket
Hardware Kit
HAB-9403

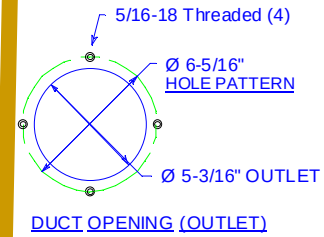
Custom Lengths Available For All Ducts

Nozzles & Accessories - 6-5/16 Dia. mounting pattern

The following nozzles & accessories can be used with any main duct using the mounting pattern shown to the right, including all 8.25 x 7.5 (flat flange) ducts.

Flexible Nozzles recommended for Duct Ties

Flexible Air Nozzles - 3" Diameter



Flexible Air Nozzles for 115# to 119# Rail

Includes isolation kit (HAB-11005-4)

Uses HAB-11003-119 Mounting Clip

Part Number	Length	Mounting Clips included
HAB-11003-5-115	40"	2
HAB-11003-6-115	48"	2
HAB-11003-7-115	60"	3

Flexible Air Nozzles for 132# to 140# Rail

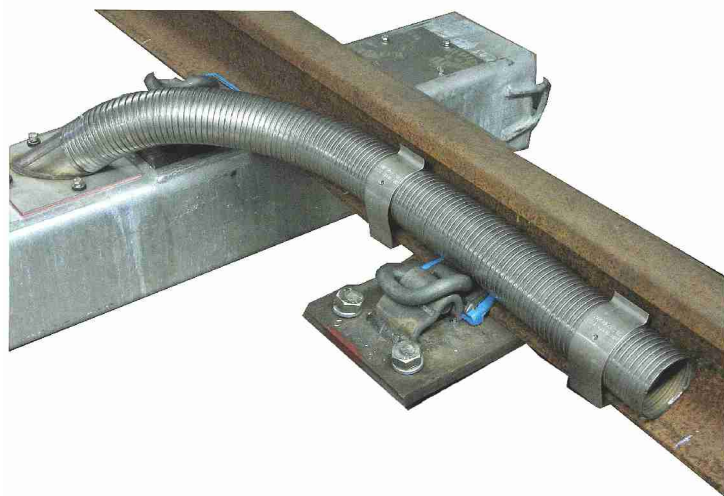
Includes isolation kit (HAB-11005-4)

Uses HAB-11003-132 Mounting Clip

Part Number	Length	Mounting Clips included
HAB-11003-5-132	40"	2
HAB-11003-6-132	48"	2
HAB-11003-7-132	60"	3
HAB-11003-9-132	108"	5

Flexible Air Nozzles (without mounting clips or isolation kit)

Part Number	Length
HAB-11003-5-10	40"
HAB-11003-5-00	48"
HAB-11003-5-20	60"

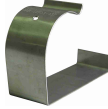


Nozzles & Accessories - 6-5/16 Dia. mounting pattern

Flexible Air Nozzles Components



HAB-11003-119
Hose Clip for 3" Flex
Nozzle. 115# to 119# Rail



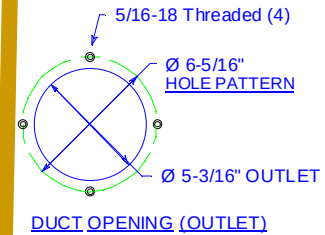
HAB-11003-132
Hose Clip for 3" Flex
Nozzle. 132# to 140# Rail



HAB-11005-4
Electrical Isolation Kit.
(Nozzle & Transition on
Duct Tie)



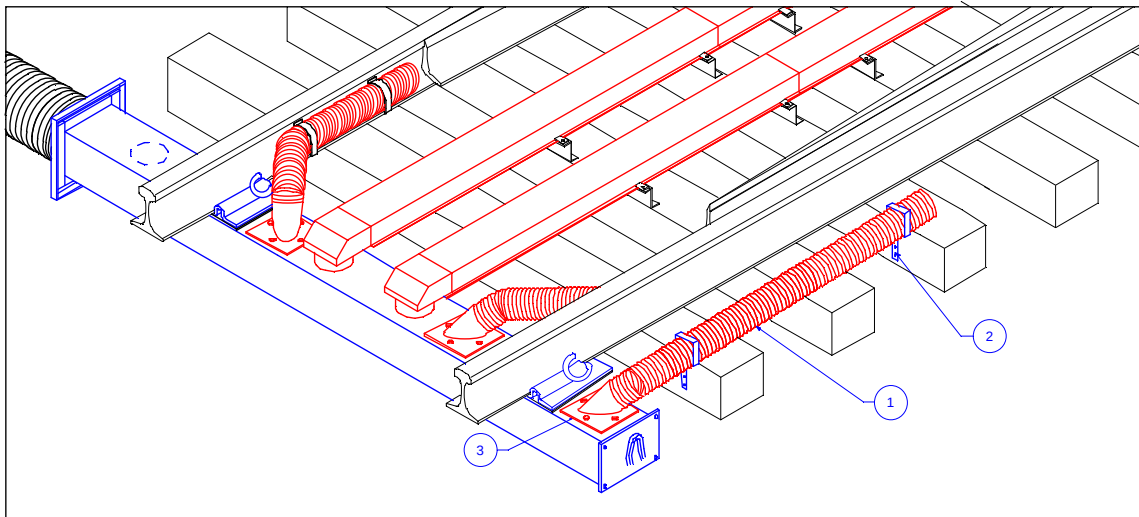
HD-10555-5
Hex Head Washer Screw,
Stainless Steel



HAB-10517-3-25	25 Ft
HAB-10517-58	58"
HAB-10517-108	106"
HAB-105-337	37.5"
HAB-10517-338	45.5"

Flexible Nozzle Kit for Throw Rod/Switch Machine

HAB-11003-R40



**Kit mounts to any Rails Co. duct with 6-5/16" 4 hole mounting pattern
including Duct Ties and standard HAB-9410 main ducts**

Kit Includes;

#1 - HAB-11003-5-10 Flexible Nozzle, 40"

#2 - HAB-6513-1 Bracket, Nozzle Support Assy (2-pcs)

#3 - HAB-11005-4 Isolation Kit (electrical)



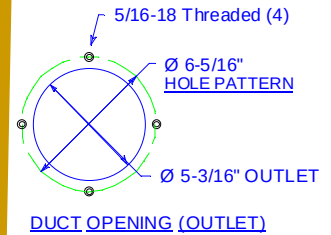
101 Newark Way, Maplewood N.J. 07040
Phone: (800) 21 RAILS (72457) ● Fax: (973) 763-2585
Email: Rails@RailSCO.com ● Web: www.railsco.com

20090101

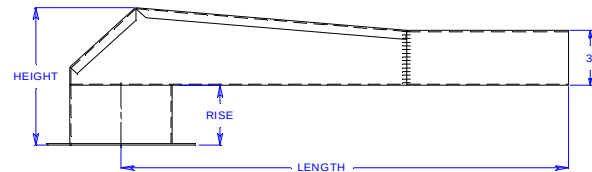
Nozzles & Accessories - 6-5/16 Dia. mounting pattern

The following nozzles & accessories can be used with any main duct using the mounting pattern shown to the right, including all 8.25 x 7.5 (flat flange) ducts.

Flexible Nozzles recommended for Duct Ties

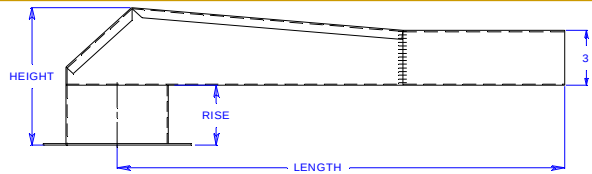


Standard Air Nozzles

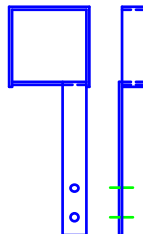


HAB-9411 Air Nozzle
 HAB-9411-14 Air Nozzle
 HAB-9411-2 Air Nozzle

Length	Rise	Height
22"	3 1/4"	7 1/2"
14"	3 1/4"	7 1/2"
22"	2"	6 1/4"



Part Number*	Length Range	Shipped Length
HAB-9595-30	23 to 30"	30
HAB-9595-40	31 to 41"	40
HAB-9595-50	41 to 51"	50
HAB-9595-60	51 to 60"	60
HAB-9595-70	61 to 70"	70
HAB-9595-80	71 to 80"	80
HAB-9595-90	91 to 90"	90



Furnished with Nozzle Support Bracket (HAB-6513)

*All 9595 Series Have 3 1/4" Rise



Air Outlet Riser

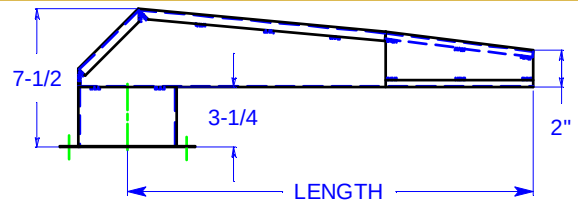
HAB-9412-01 (1-3/8") HAB-9412-04 (2-1/2")
 HAB-9412-02 (2") HAB-9412-05 (3-1/2")
 HAB-9412-03 (1")

HAB-9413
 Air Deflector, 14" long,
 2" Rise, 6 1/4" Height
 For use with shield layouts



High Velocity Air Nozzle
 2"x 2" outlet, 3-1/4" Rise,
 7-1/2" Height

HAB-9594 22" Long
 HAB-10463-34 34" Long
 HAB-10463-44 44" Long



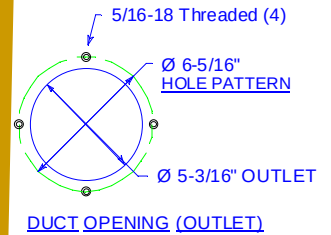
All Nozzles furnished with "Hardware kit for slotted main duct attachments" (HAB-9681)



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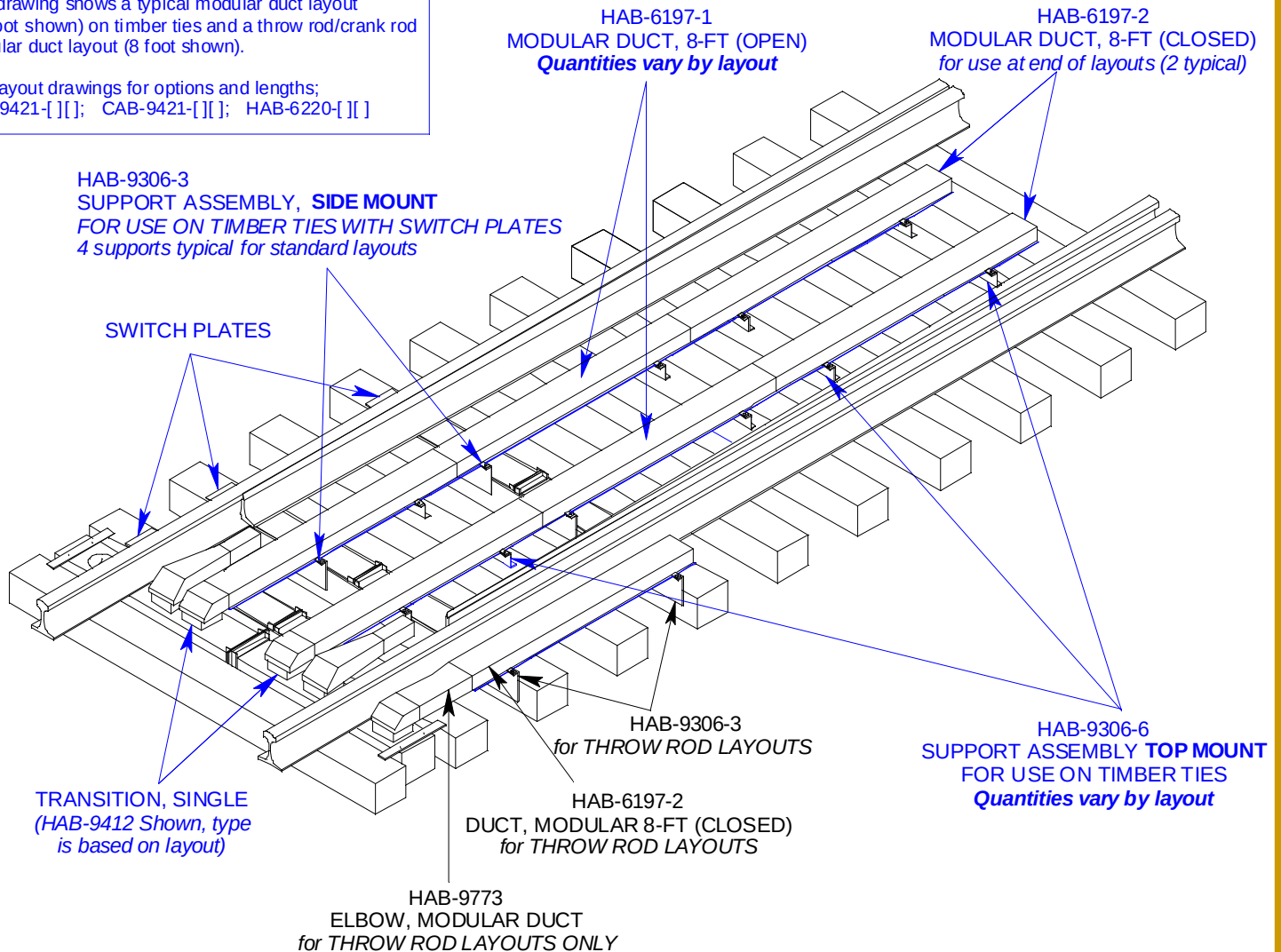
20090313

Modular Duct Layouts - 6-5/16 Dia. mounting pattern



This drawing shows a typical modular duct layout (24 foot shown) on timber ties and a throw rod/crank rod modular duct layout (8 foot shown).

See layout drawings for options and lengths;
 HAB-9421-[][]; CAB-9421-[][]; HAB-6220-[][]



See reverse side for lengths and options

See Modular Duct & Components Parts Catalog for individual parts



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Modular Duct Layouts – 6-5/16 Mounting Pattern

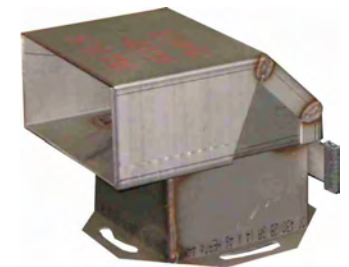
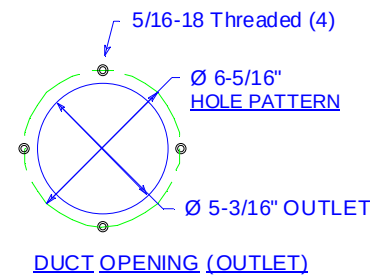
	Switch Length	Mod Duct 8 FT. OPEN HAB-6197-1	Mod Duct 8 FT. CLOSED HAB-6197-2	Single Transition HAB-9412	Support Assembly Quantity's - SEE TABLE			Elbow, Mod Duct HAB-9773	Mod Duct 5 FT. CLOSED HAB-6197-4
					HAB-9306-3	HAB-9306-6	HAB-9458-2		
Standard Switches									
HAB-9421-8-[]	8 FT.	0	2	2	4	0	4		
HAB-9421-16-[]	16 FT.	2	2	2	4	4	8		
HAB-9421-24-[]	24. FT.	4	2	2	4	8	12		
HAB-9421-30-[]	30 FT.	6	2	2	4	12	16		
HAB-9421-39-[]	39 FT.	8	2	2	4	16	20		
Derail Switches									
HAB-9421-66-[]	16 FT.	1	1	1	4	0	4		
HAB-9421-74-[]	24 FT.	2	1	1	4	2	6		
HAB-9421-80-[]	30 FT.	3	1	1	4	4	8		
HAB-9421-89-[]	39 FT.	4	1	1	4	6	10		
Throw Rod (Switch Machine)									
HAB-9421-R5-[]		0	0	1	2	0	2	1	1
HAB-9421-R8-[]		0	1	1	2	0	2	1	

-[]	Modular Duct Layout for use with:	Support Assemblies Included HAB-9306-3 HAB-9306-6 HAB-9458-2	
-TIM	Timber Ties	YES	NO
-CON	Concrete Ties	NO	YES

For use with main ducts with 6-5/16" diameter mounting hole pattern (as shown) on center outlets

**not for use with duct TIES, see drawing HAB-6220-[]-[]*

Rev	Date	Description	Req	App
A	10-24-06	Added descriptive information, Changed title	ETO	ETO



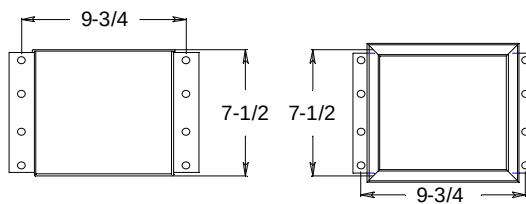
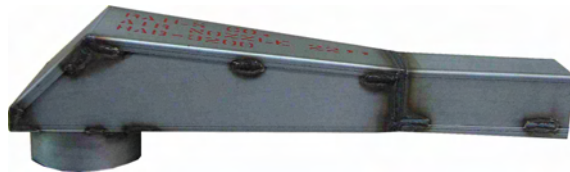
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCE ARE: FRACTIONS DECIMALS ANGLES ± 1/64 ±.001 ± 1/2° ±.0005 ±.005		RAILS CO. 101 NEWARK WAY MAPLEWOOD, N.J. 07040-3309 PHONE 973-763-4320 FAX 973-763-2585	
MATERIAL:	SCALE:---	DRAWN BY: ETO	APPROVED BY: TJB
MATERIAL:	MODULAR DUCT LAYOUTS, FOR MAIN DUCTS WITH 6-5/16 DIA. MOUNTING HOLES		
	DATE: 7-18-00	DWG NO: HAB-9421-[]-[]	

Rails Company Parts Catalog

Main Ducts & Duct Extensions Recessed Flange (8-Hole) Ducts

Nozzles & Accessories Collar Type

Modular Duct Layouts Collar Type

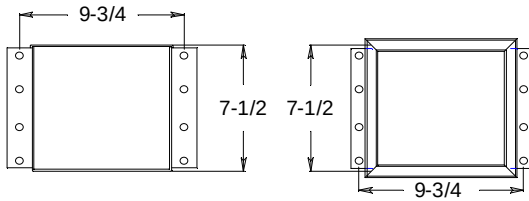




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Main Ducts & Extensions - Recessed Flange (8-Hole) Ducts

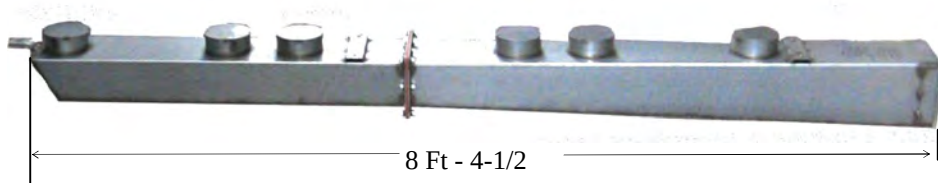
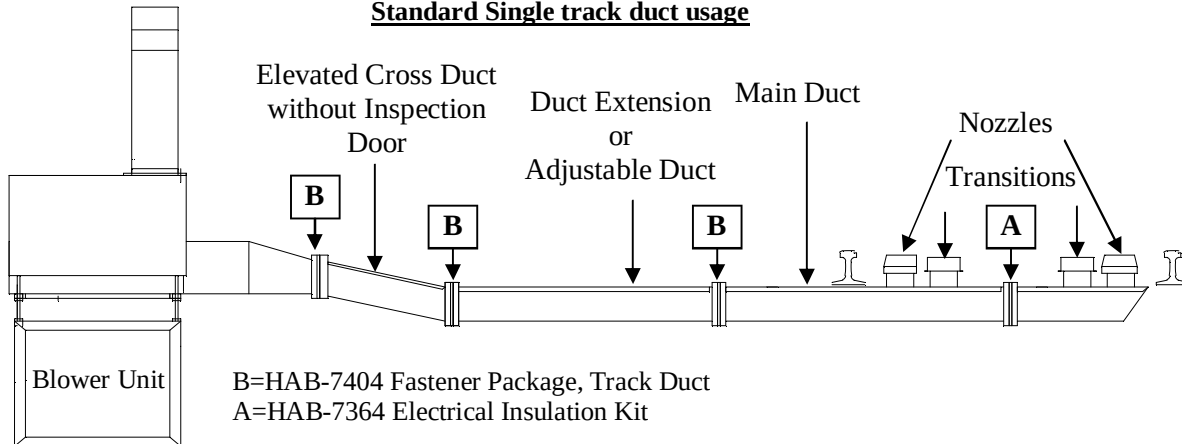


Mounting hole layout



For use with collar type nozzles/accessories

Standard Single track duct usage

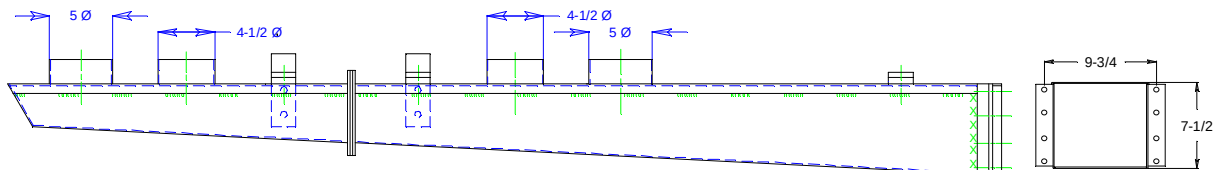
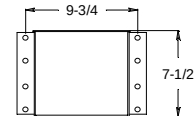


HAB-3000-S

Stainless Steel Main Duct with (6) 5" collared air outlets

HAB-3000-102

Main Duct Mounting Hardware Kit



HAB-3450-3

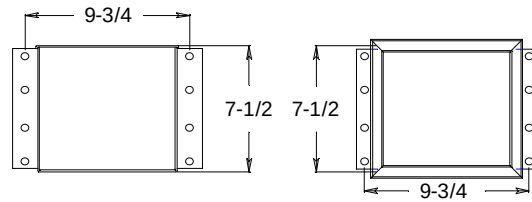
Steel Main Duct with (2) 5" & (2) 4.5" collard air outlets. 81.5" Long Duct

Main Ducts & Extensions - Recessed Flange (8-Hole) Ducts

Duct Extensions (for recessed flange ducts)

HAB-6097-2	2 ft Long
HAB-6097-2.5	2-1/2 ft Long
HAB-6097-4	4 ft Long
HAB-6097-6	6 ft Long
HAB-6097-7	7 ft Long
HAB-6097-8	8 ft Long
HAB-6097-10	10 ft Long
HAB-6097-13	13 ft Long

furnished with Gasket
Hardware Kit HAB-7404



Mounting Hole Layout for all ducts on this page
(male/female flange end per each duct)

Elevated Cross Duct



HAB-3500-S
Stainless Steel Elevated Cross Duct.
Without inspection door

HAB-3500-2S
Stainless Steel Elevated Cross Duct.
with inspection door

Furnished with hardware kit

Adjustable Ducts (for recessed flange ducts)

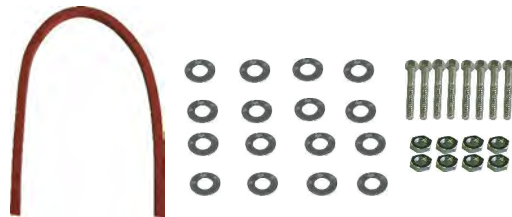
HAB-6339-1S	5' to 10'
HAB-6339-2S	2 1/2 - 5Ft
HAB-6339-4S	22" to 36"

furnished with Gasket
Hardware Kit HAB-7404



HAB-7404

Fastener Package, Track Duct



HAB-7364 Electrical Insulation Kit (Center Main Duct)



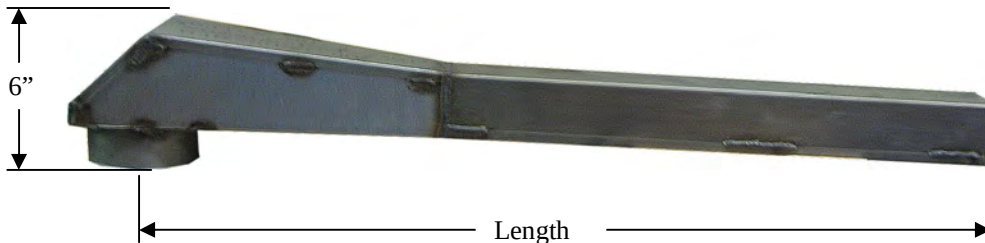
Nozzles & Accessories - Collar Type

The following nozzles & accessories can be used with any Collar type main duct (as shown to right), includes most Recessed Flange (8-Hole) Ducts
Flexible Nozzles recommended for Duct Ties



HAB-3200

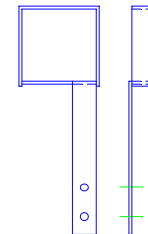
Air Nozzle, 22" long with 5" diameter collar. Comes with mounting hardware (3"x3" outlet)



Air Nozzle with 5" Dia. Collar (3"x3" outlet)

**Nozzles can be used with Duct Ties by adding -DTT to the end of the part number.
 *-DTT Includes Bolt-on Collar (HAB-10504-1) & Electrical Isolation Kit (HAB-11005-4)

Part Number	Length
HAB-6033-30	30"
HAB-6033-36	36"
HAB-6033-40	40"
HAB-6033-50	50"
HAB-6033-60	60"
HAB-6033-64	64"
HAB-6033-70	70"
HAB-6033-80	80"



Furnished with Nozzle Support Bracket (HAB-6513) & Mounting Hardware

HAB-3300

Air Deflector, 14" long with 5" diameter collar.
 For use heat retaining shields.
 Comes with Hardware



HAB-7641

Air Deflector, 5" Collar
 Convergent. Comes with hardware



HAB-7658

high-velocity Air Nozzle. 22" Long, 5" Collar
 Comes with Hardware 2"x2" outlet



Air Nozzle, 17", for collared (center) ducts,
 2" x 3 3/4" Air Outlet
HAB-10265-1—
 5" Collar
HAB-10265-3—
 4-1/2" Collar

20090310

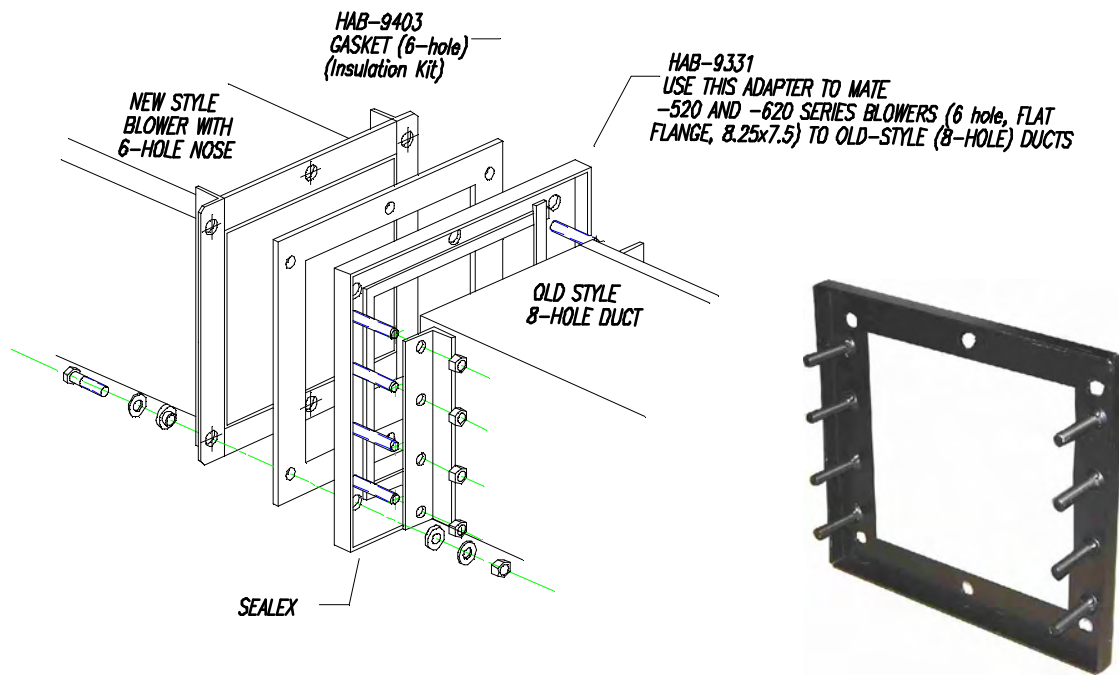


Bolt-on Collar (5" dia) HAB-10504-1
 Allows use of collared nozzles with ducts with
 6-5/16 dia, 4 hole mounting pattern.
 Electrical Isolation kit HAB-11005-4 not included

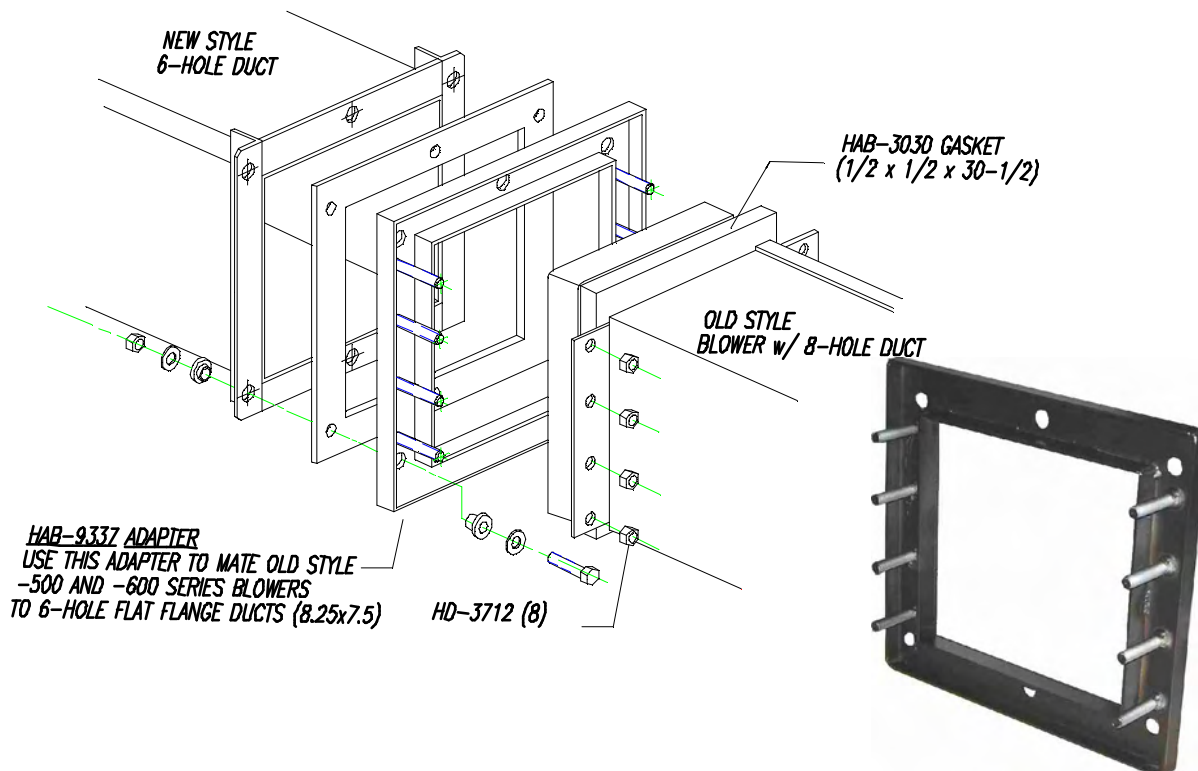


Flange Adapter Plate for Recessed Flange (8-Hole) Ducts

HAB-9331 'New' Blower to 'old'-Style Duct



HAB-9337 'Old'-Style Blower to 'New'-Style Duct

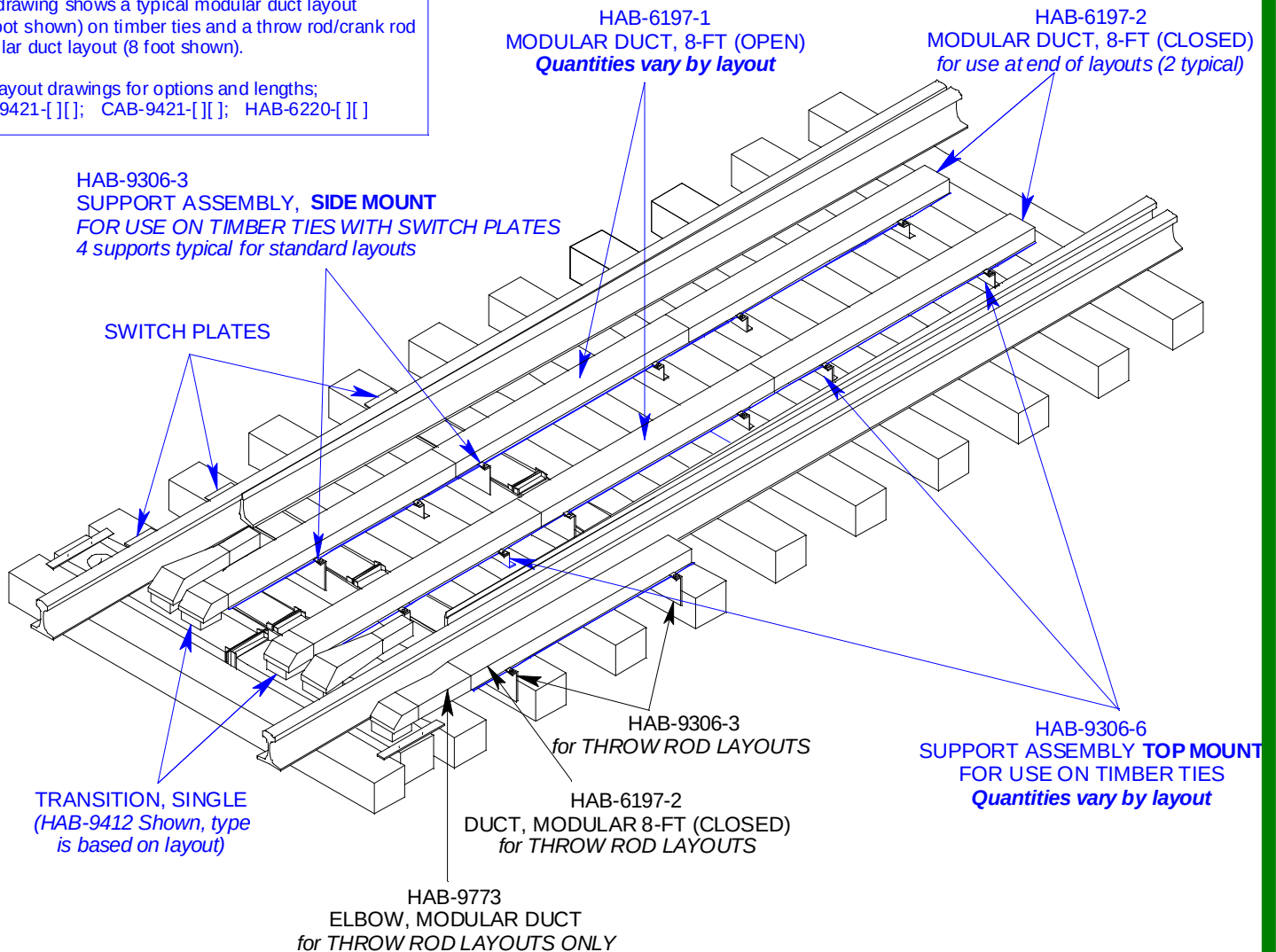


Modular Duct Layouts - Collar Type (5" dia.)



This drawing shows a typical modular duct layout (24 foot shown) on timber ties and a throw rod/crank rod modular duct layout (8 foot shown).

See layout drawings for options and lengths;
HAB-9421-[] []; CAB-9421-[] []; HAB-6220-[] []



See reverse side for lengths and options

See Modular Duct & Components Parts Catalog for individual parts



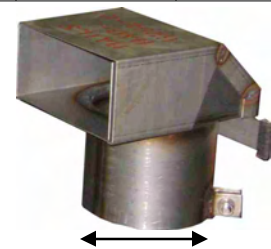
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Modular Duct Layouts – Collar Type (5" Dia.)

	Switch Length	Mod Duct 8 FT. OPEN HAB-6197-1	Mod Duct 8 FT. CLOSED HAB-6197-2	Single Transition HAB-6282-2	Support Assembly Quantity's - SEE TABLE			Elbow, Mod Duct HAB-9773	Mod Duct 5 FT. CLOSED HAB-6197-4
					HAB-9306-3	HAB-9306-6	HAB-9458-2		
Standard Switches									
HAB-6220-8-[]	8 FT.	0	2	2	4	0	4		
HAB-6220-16-[]	16 FT.	2	2	2	4	4	8		
HAB-6220-24-[]	24. FT.	4	2	2	4	8	12		
HAB-6220-30-[]	30 FT.	6	2	2	4	12	16		
HAB-6220-39-[]	39 FT.	8	2	2	4	16	20		
Derail Switches									
HAB-6220-66-[]	16 FT.	1	1	1	4	0	4		
HAB-6220-74-[]	24 FT.	2	1	1	4	2	6		
HAB-6220-80-[]	30 FT.	3	1	1	4	4	8		
HAB-6220-89-[]	39 FT.	4	1	1	4	6	10		
Throw Rod (Switch Machine)									
HAB-6220-R5-[]		0	0	1	2	0	2	1	1
HAB-6220-R8-[]		0	1	1	2	0	2	1	

-[]	Modular Duct Layout for use with:	Support Assemblies Included HAB-9306-3 HAB-9306-6 HAB-9458-2	
-TIM	Timber Ties	YES	NO
-CON	Concrete Ties	NO	YES



5" dia. TRANSITION

For use on main ducts with 5" round center collars



Duct shown for reference only

Rev	Date	Description	Req	App
A	3-8-01	HAB-6282-2 was HAB-6282	ETO	ETO
B	10-24-06	Added descriptive information, changed title	ETO	ETO
C	11-22-06	Removed DTT,DTC – Added in Sheet 2	ETO	ETO

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE ARE: FRACTIONS DECIMALS ANGLES ± 1/64 .005 .01 ± 1/2°		 RAILS CO. 101 NEWARK WAY MAPLEWOOD, N.J. 07040-3309 PHONE 973-763-4320 FAX 973-763-2985	
MATERIAL:	SCALE:---	DRAWN BY: ETO	APPROVED BY: TJB
MATERIAL:	MODULAR DUCT LAYOUTS FOR MAIN DUCTS WITH 5" ROUND COLLARS (HAB)		
	DATE: 7-18-00	DWG NO: HAB-6220-[]-[] Sht 1	



Parts Catalog

Modular Duct & Components



Modular Duct & Components Parts Catalog



HAB-6197-1
Modular Duct 8 Ft. Long
Open end less hardware

HAB-6197-1-HW
Modular Duct 8 Ft. Long



HAB-6197-2
Modular Duct 8 Ft. Long
Closed end less hardware

HAB-6197-2-HW
Modular Duct 8 Ft. Long



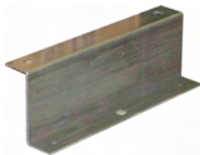
HAB-6197-4
Modular Duct 5 Ft. Long
Closed end less hardware

HAB-6197-4-HW
Modular Duct 5 Ft. Long
Closed end with hardware



HAB-6197-6
Modular Duct 4 Ft. Long
Closed end less hardware

HAB-6197-6-HW
Modular Duct 4 Ft. Long
Closed end With hardware



HAB-10527-200
Modular Duct Support
Bracket 3" x 6" 3-1/4" high



HAB-10527-300
Modular Duct Support
Bracket 3" x 6" Side Mount



HAB-10527-400
Modular Duct Support
Bracket 3" x 6" 2-1/4" high



HAB-9458-04
Modular Duct Support
Bracket for concrete ties



HAB-9306-6
Modular Duct support assemble.
Hardware kit for timber ties. Top
Mount.



HAB-9306-3
Modular Duct support assemble.
Hardware kit for timber ties.
Side Mount.



Modular Duct & Components Parts Catalog



HAB-9458-2
Concrete Ties Support Assemble.
Mod Duct 3x6 Electrical .Isolation



HAB-9306-602
Modular Duct Support
Bracket Hardware Kit



HD-10546-4
Carriage Bolt 3/8-16 x 1"



HAB-10526-1
Modular Duct Support Clip



HD-7362
Split Lock Washer 3/8



HD-8958
Plated nut 3/8-16

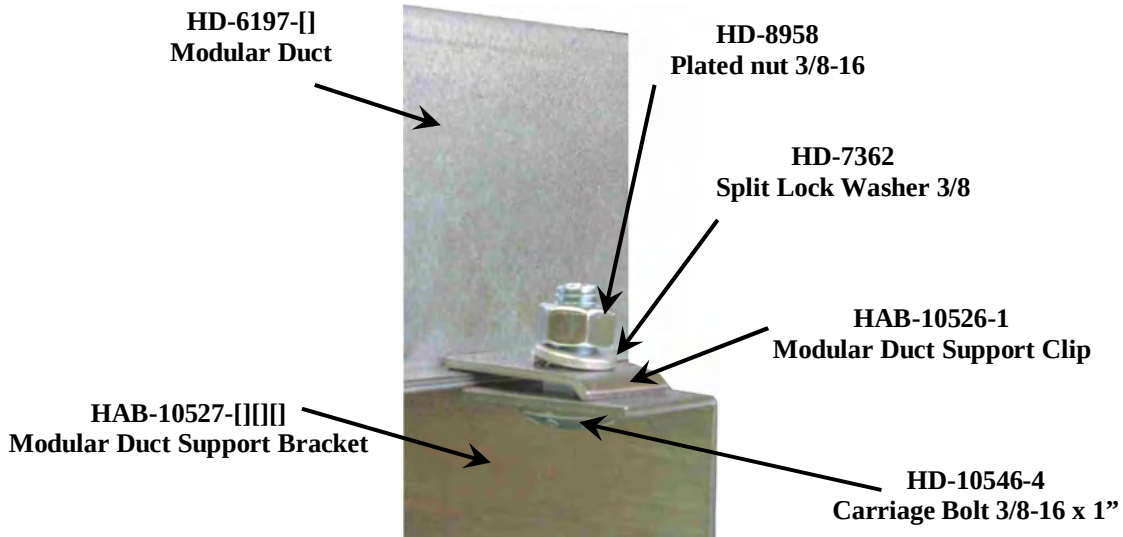
RT-13
Double headed nail



HD-7396-1
Fiber Washer,



HAB-11007-2
Fiber Insulating Bushing



Car Retarders ● Switch Heaters ● Snow Detectors ● Electric Switch Heater Control Systems
Automatic Switch Point Locks ● Switch Point Clamps ● Switch Point Protectors ● Wheel Stops
Compression Rail Anchors ● Bridge Tie Anchors ● C&D Batteries

Modular Duct & Components Parts Catalog



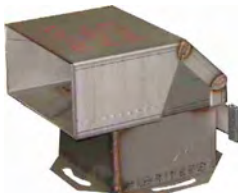
HAB-6282
Single Transition 5" round
Collar. with 3-3/8" Rise
comes with hardware



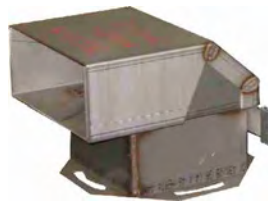
HAB-6282-2
Single Transition 5" round Collar.
with 4-1/2" Rise, comes with
hardware



HAB-6282-3
Single Transition, 4-1/2" round
Collar. With 4-1/2" Rise comes
with hardware



HAB-9412
Single Transition with 3-1/4"
rise. Comes with hardware



HAB-9412-2
Single Transition with 2" rise.
Comes with hardware



HAB-9815-DTT
Dual Transition. Comes with
hardware



HAB-9815
Dual Transition. Comes
with hardware



HAB-10504-1
Bolt-on Collar with mount
hardware



HAB-11005-4
Electrical Isolation Kit



HAB-9773
Modular Duct Elbow

Car Retarders ● Switch Heaters ● Snow Detectors ● Electric Switch Heater Control Systems
Automatic Switch Point Locks ● Switch Point Clamps ● Switch Point Protectors ● Wheel Stops
Compression Rail Anchors ● Bridge Tie Anchors ● C&D Batteries

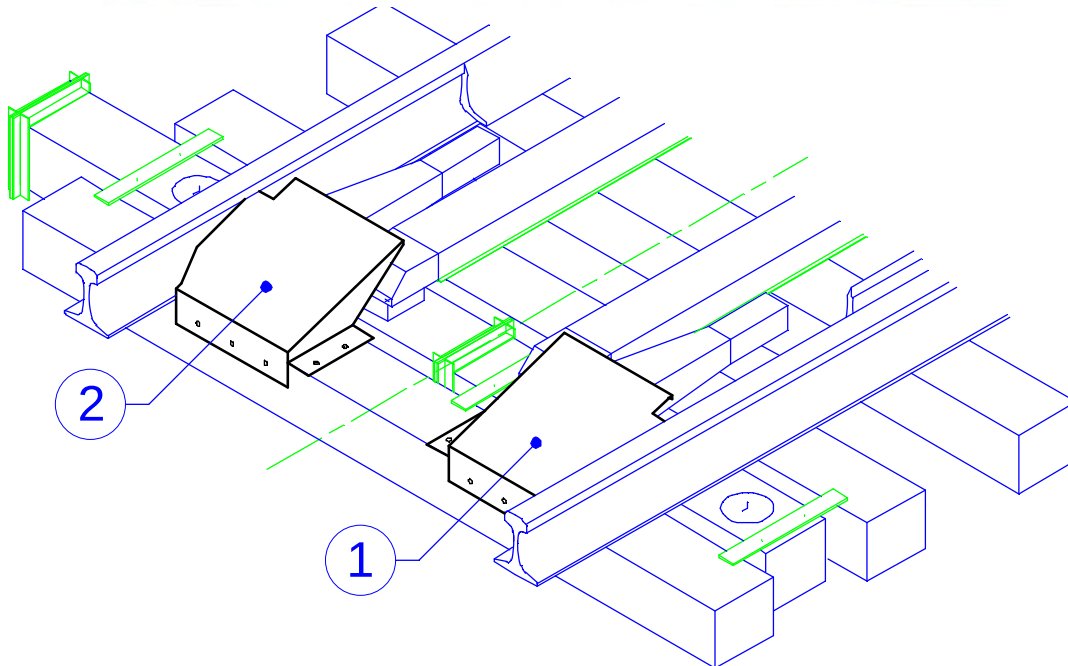
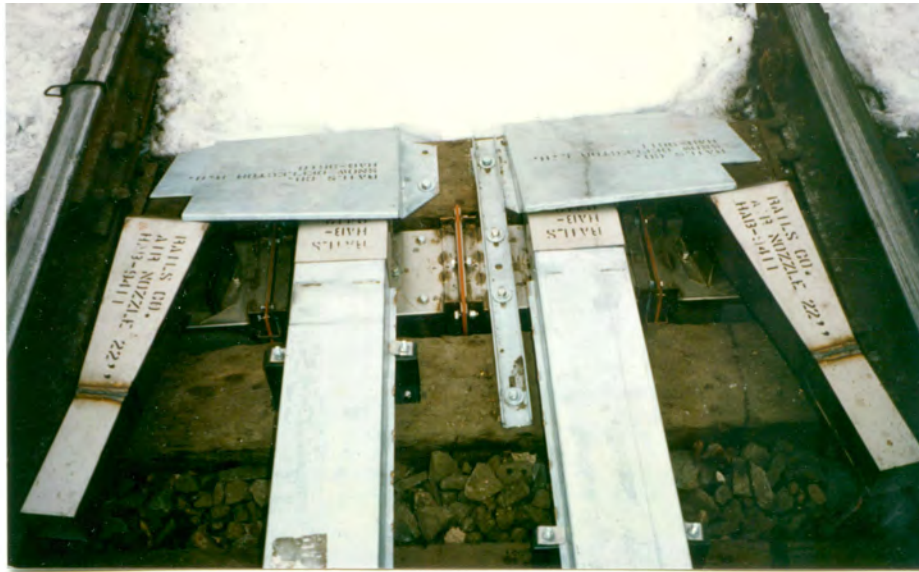
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Snow Deflectors

*Extra Protection from drifting snow caused by passing trains,
blowing snow and dragging equipment.*



(1)HAB-3610 Snow Deflector, RIGHT Hand, with Hardware

(2)HAB-3611 Snow Deflector, LEFT Hand, with Hardware

Supplied with hardware kit HAB-3611-202

Kit contents;

5 EA - HD-7572-3 Screw, Lag, 1/2"x 3"

5 EA - HD-7407 Washer, FLAT 1/2" Dia.



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