

SUBMITTAL RECORD _____
 JOB _____
 LOCATION _____
 SUBMITTED TO _____
 SUBMITTAL PREPARED BY _____
 APPROVED BY _____
 DATE _____



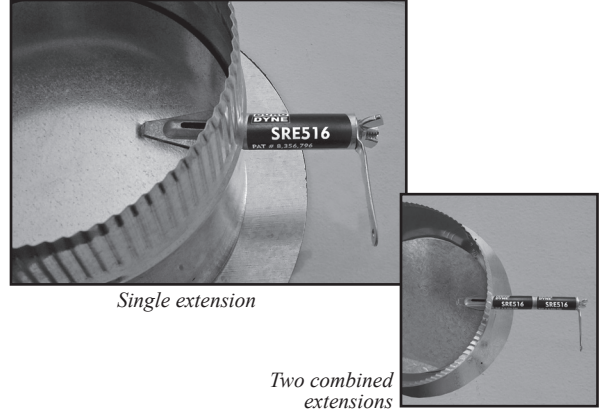
Submittal Form Slide Rapit Extension



DESCRIPTION

Light duty hammer on damper hardware is not conducive for use with external wrap. The protruding end bearing shaft is not long enough to extend beyond the thicker wraps in use today. Hardware for thicker outside wrap is available, but not always planned for when the component sections of ductwork are being fabricated.

The Slide Rapit Extension provides a fast method of extending the length of a Rapit spring end bearing shaft. The extension twists onto the end bearing shaft and the resulting joint is encapsulated with an integral shroud that slips into position. The handle and wing nut are added to complete the installation. No tools are needed.



FEATURES

- Extends the Rapit spring end bearing two inches from ductwork
- No tools required
- Simple, fast installation
- Extensions can be combined for greater length

RELATED SMACNA RECOMMENDATIONS*

7.2 NOTES FOR FIGURES 7-4 AND 7.5

1. Unless otherwise permitted, dampers shall be provided with the general configuration, materials, and application limits indicated in Figures 7-4 and 7-5 and in related notes.
2. Damper Hardware must be durable and installed properly.
3. Dampers must be stable under operating conditions. Round and rectangular damper blades must be stiffened by forming or other method if required for the duty.
4. All single blade dampers must have a locking device to hold the dampers in a fixed position without vibration.
5. Damper component penetration of ducts must be closed, in keeping with the sealing classification applicable for the pressure class. End bearings or other seals are required on 3 in. wg (750 Pa) static pressure class.
6. The installation of a damper in lined duct must not damage the liner or cause liner erosion.

**From SMACNA HVAC Duct Construction Standards Metal and Flexible • Third Edition • 2005*

ITEM#	CODE	DESCRIPTION
7378	SRE516-516	5/16" Slide Rapit Extension
7308	SRE14-14	1/4" Slide Rapit Extension

SUGGESTED SPECIFICATIONS

All Rapit spring end bearings, when required, shall be extended in length with the addition of the Slide Rapit Extension, code SRE1, as manufactured by Duro Dyne Corporation, Bay Shore, N.Y.

Duro Dyne East Division, Bay Shore, NY	631-249-9000	Fax: 631-249-8346
Duro Dyne Midwest Division, Fairfield, OH	513-870-6000	Fax: 513-870-6005
Duro Dyne West Division, Santa Fe Springs, CA	562-926-1774	Fax: 562-926-5778
Duro Dyne Canada, Lachine, Quebec, Canada	514-422-9760	Fax: 514-636-0328
www.durodyne.com E-mail: durodyne@durodyne.com		



©2013 DURO DYNE CORP.
 Printed in the USA 8/13
 BO008407



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

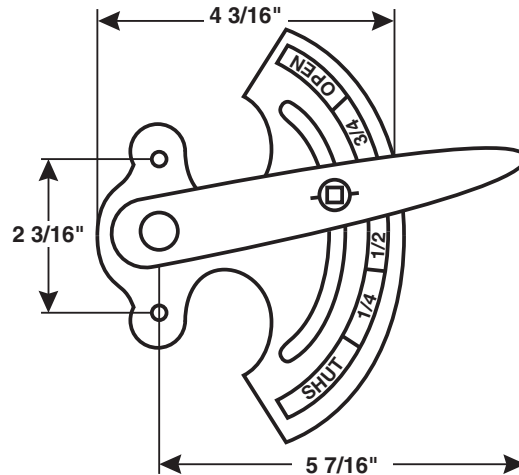
www.smcdct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

REGULATORS



Heavy gauge zinc plated steel quadrant regulators require only a twist of a wing nut for easy tightening and adjustments. Base shows damper position. For use with round rod. Die cast handle made from Zamac #3. Temperature resistant to 728°F and corrosion resistant. The base is made from stamped heavy gauge steel.

1/2" Quadrant Regulators for Dampers to 30"

Model #:
RP-5CR

Description:
1/2" Quadrant / Round Hole / Die Cast Handle



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

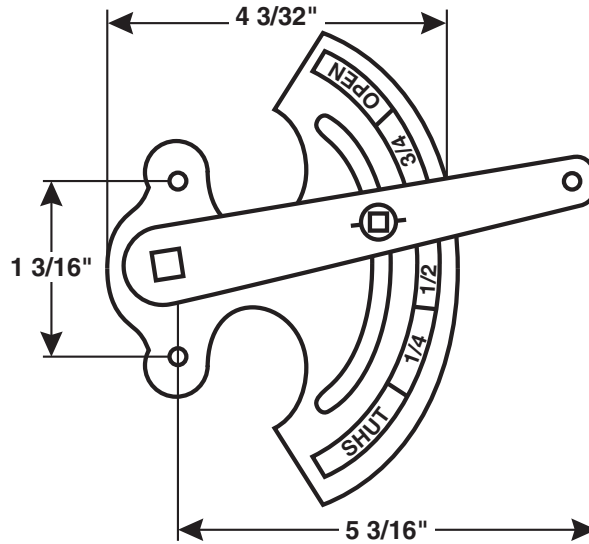
www.smcdct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

REGULATORS



Heavy gauge zinc plated steel quadrant regulators require only twist of a wing nut for easy tightening and adjustments. Base shows damper position. For use with square rod. Stamped handle and base are made from heavy gauge zinc plated steel.

3/8" Quadrant Regulators for Dampers to 20"

Model #	Description:
RP-4	Square Hole/Stamped Handle



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

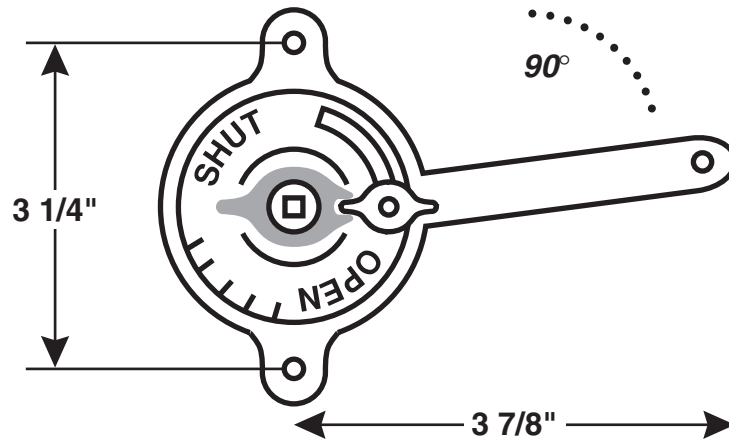
www.smcdct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

REGULATORS



Heavy gauge zinc plated steel regulators for low leakage applications require only a twist of a wing nut for easy tightening and adjustments. Dial shows damper position. Made from high gauge quality steel.

3/8" Dial Regulators for Dampers to 20"

Model #:
RP-3

Description:
3/8" Regulator



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

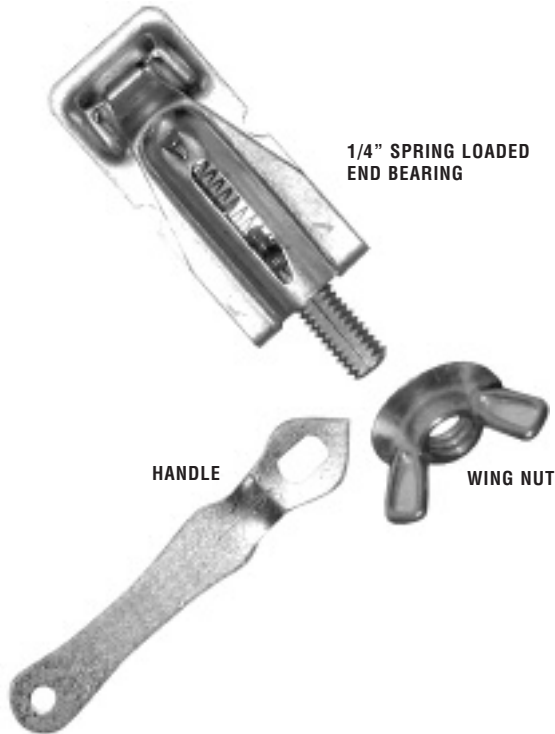
www.smcdct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

HAMMER-ON REGULATORS



The "Speedy" Hammer-On's provide quick and economical means of installing and assembling a damper blade. These sets are formed from rust-resistant, heavy gauge, galvanized steel. The "Speedy" Hammer-On's are designed for round or square damper blades up to 24 gauge steel.

To Install: Slip bearing over edge of the damper at the bearing line. Lay the assembly on any firm surface, and tap the prong with a hammer. The "Speedy" will secure quickly and easily.

2" INSULATION EXTENSION



Sheet Metal Connectors, Inc. Insulation Extensions are used in lieu of 2" Standoffs. In most cases, the Standoff is only used to get the handle of the volume damper to the outside of the duct wrap. This Extension can do just that for a fraction of the cost.

The 2" Extension Shaft is connected to a Hammer-On Regulator, the 1/2" EMT Sleeve is placed over the 2" Extension, Then secured with positive locking hardware. When the Extension is used wrapping the duct is much easier and looks great when finished.



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

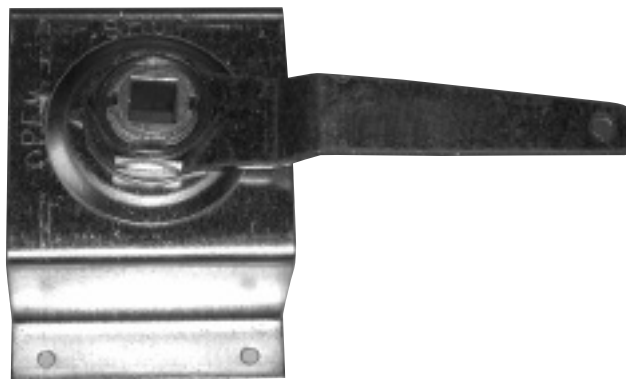
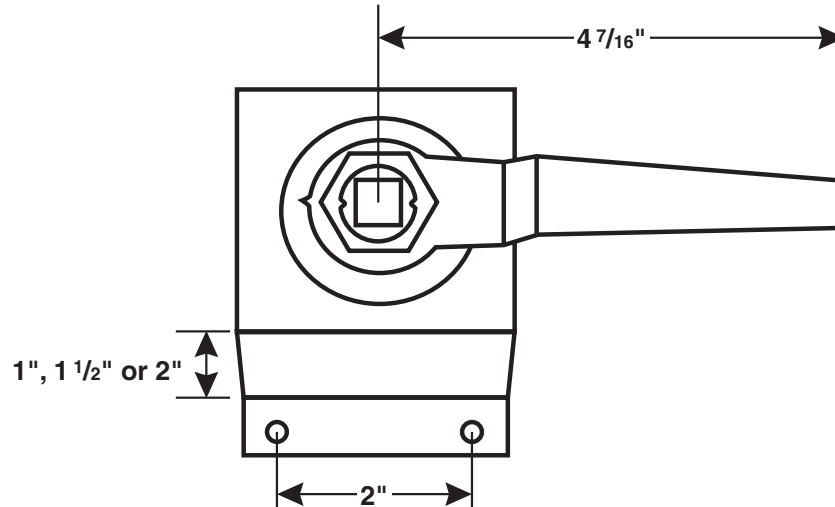
www.smcdct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

"STANDOFFS" ELEVATED DAMPER REGULATOR



This regulator is designed for insulated duct on low leakage applications. The base is made from 18 gauge galvanized steel. Our Bi-level handle gives extra added elevation to the ductwork. Elevated Regulator Sets for insulated ducts are supplied with a hex nut. These are packaged 25 per carton.

Model #	Base Height	Stands Off Duct	Shaft Size	Weight Per 25
E124	1"	1-1/8"	3/8"	12 lbs.
E125	1-1/2"	1-5/8"	3/8"	12 lbs.
E126	2"	2-1/8"	3/8"	12 lbs.



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

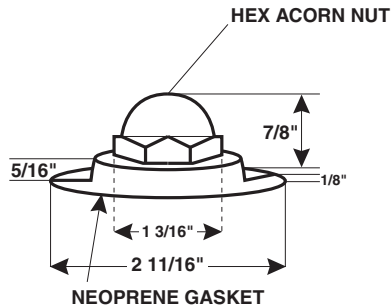
www.smcduct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

ENGINEERED END BEARING



Bi-Level Handle stands off duct 3/8"



Elgen's Engineered End Bearings are designed for low leakage applications. The regulator is made from a die cast of Zamac #3 (see below) instead of steel. The die cast alloy core is made with serratoins. E-113 is made with a self locking hex acorn nut.

Zamac #3

Composition: (95% zinc (ASTM weight), 4.3% aluminum, 0.2% copper, 0.3% magnesium, 0.1% impurities).

Physical Properties: Temperature melting point - 728°F
Thermal expansion, per °F - 0.0000152
Compression strength, psi - 60,000
Tensile strength, psi - 41,000
Shearing strength, psi - 31,000

Corrosion Resistant to: Oxygen, Nitrogen, Carbon Dioxide, Inert Gases,
Bi-metallic combination, Organic Chemicals, and Rust proof.

ACORN NUT HANDLE REGULATOR

<u>Model #:</u>	<u>Shaft Size:</u>
E113	3/8"
E114	1/2"



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

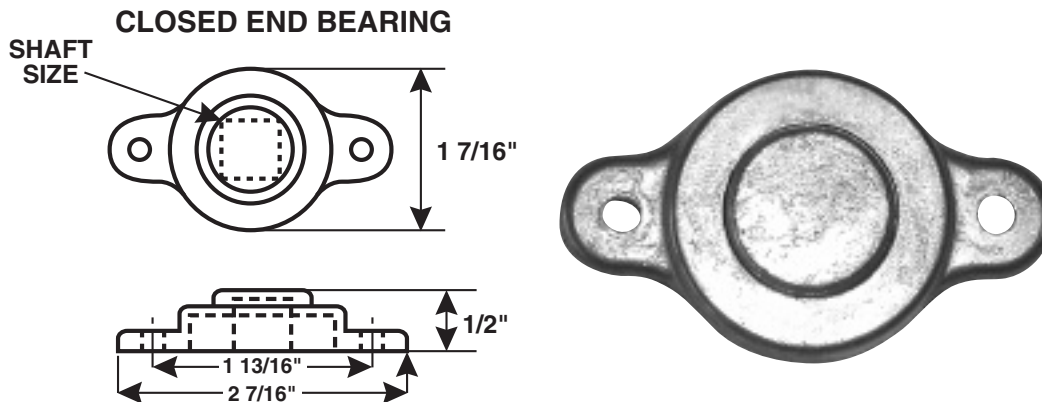
www.smduct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

ENGINEERED END BEARING



Elgen's Engineered End Bearings are designed for low leakage applications. The regulator is made from a die cast of Zamac #3 (see below) instead of steel. The die cast alloy core is made with serratoins.

Zamac #3

Composition: (95% zinc (ASTM weight), 4.3% aluminum, 0.2% copper, 0.3% magnesium, 0.1% impurities).

Physical Properties: Temperature melting point - 728°F
Thermal expansion, per °F - 0.0000152
Compression strength, psi - 60,000
Tensile strength, psi - 41,000
Shearing strength, psi - 31,000

Corrosion Resistant to: Oxygen, Nitrogen, Carbon Dioxide, Inert Gases,
Bi-metallic combination, Organic Chemicals, and Rust proof.

CLOSED END BEARING

<u>Model #:</u>	<u>Shaft Size:</u>
E104	3/8"
E105	1/2"



SHEET METAL CONNECTORS, INC.

MINNEAPOLIS, MN
5850 Main Street N.E.
Minneapolis, Minnesota 55432
LOCALLY CALL: 763-572-0000
TOLL FREE: 1-800-328-1966
FAX: 763-572-1100

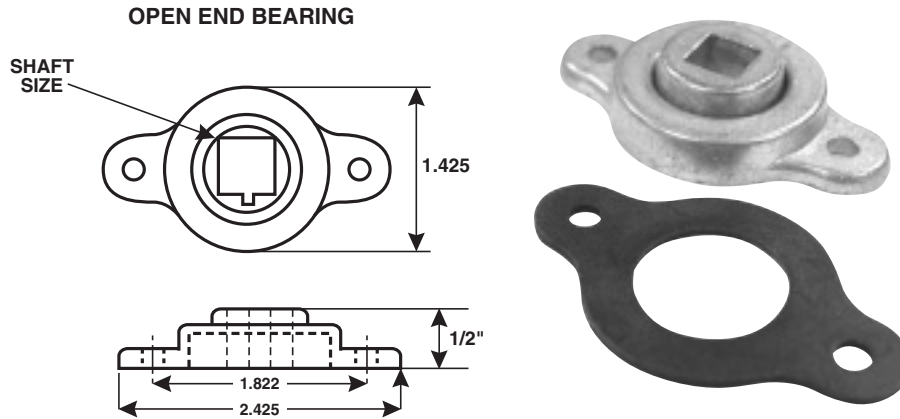
www.smduct.com

ROCKFORD, IL
5601 Sandy Hollow Road
Rockford, Illinois 61109
LOCALLY CALL: 815-874-4600
TOLL FREE: 1-866-504-4600
FAX: 815-874-9979



Submittal Sheet

ENGINEERED END BEARING



Elgen's Engineered End Bearings are designed for low leakage applications. The regulator is made from a die cast of Zamac #3 (see below) instead of steel. The die cast alloy core is made with serratoins.

Zamac #3

Composition: (95% zinc (ASTM weight), 4.3% aluminum, 0.2% copper, 0.3% magnesium, 0.1% impurities).

Physical Properties: Temperature melting point - 728°F
Thermal expansion, per °F - 0.0000152
Compression strength, psi - 60,000
Tensile strength, psi - 41,000
Shearing strength, psi - 31,000

Corrosion Resistant to: Oxygen, Nitrogen, Carbon Dioxide, Inert Gases,
Bi-metallic combination, Organic Chemicals, and Rust proof.

OPEN END BEARING

<u>Model #:</u>	<u>Shaft Size:</u>
E101	3/8"
E102	1/2"