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## SPECIFICATION DATA SHEET

Date: 10/05/09 rev.

Drawn by: M.D.C.

## MODEL No. 3210-DS

CONICAL TAKEOFF WITH GASKET RING,  
MANUAL VOLUME DAMPER WITH  
DAMPER HANDLE STANDOFF

### DIMENSIONAL DATA

SIZES AVAILABLE: 4" THROUGH 20" DIAMETER  
ORDER BY BRANCH DUCT DIMENSION.  
HOLE DIMENSION CUT IN TRUNK DUCT IS  
2" GREATER THAN BRANCH DUCT.

### FABRICATION DATA

MATERIAL:  
FABRICATED FROM HOT DIPPED GALVANIZED  
STEEL SHEETS PER ASTM-A653 CS TYPE B.

GAUGES:  
4" THROUGH 8" = 28 GAUGE  
9" THROUGH 14" = 26 GAUGE  
16" THROUGH 20" = 24 GAUGE

### FEATURES

CONTINUOUS WELD LONGITUDINAL SEAM  
FOR NO AIR LEAKAGE AT 2" W.G. STATIC  
PRESSURE.

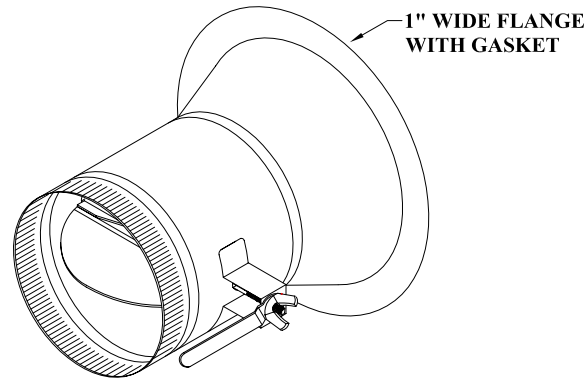
1" WIDE FLANGE WITH GASKET AND  
PRE-DRILLED SCREW HOLES FOR EASE OF  
INSTALLATION.

5 3/8" LONG COLLAR.

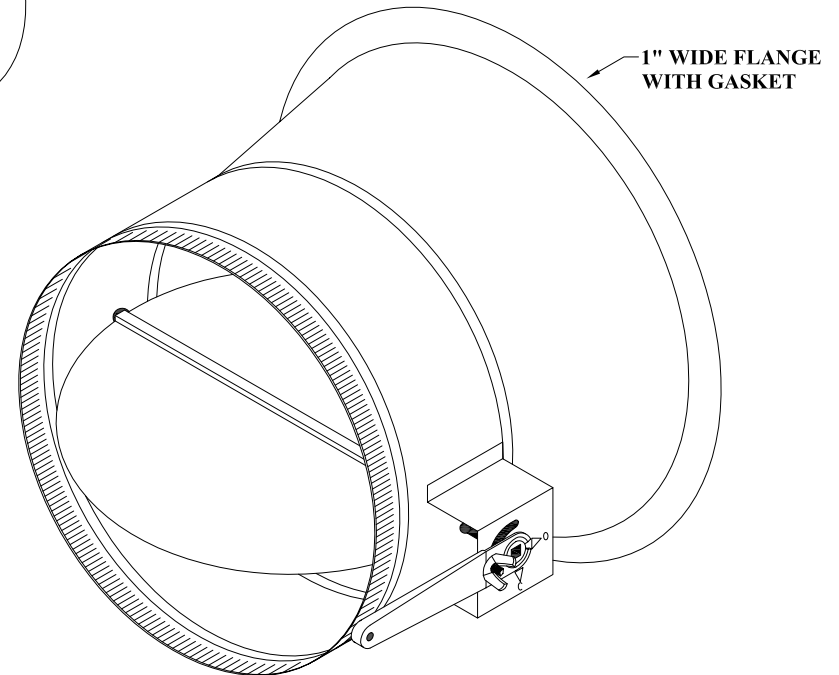
SIZES 4" THROUGH 12": REINFORCED DAMPER  
AXIS WITH 1/4" REGULATOR, END BEARING  
WITH WASHER AND WING NUT.

SIZES 14" THROUGH 20": 3/8" CONTINUOUS ROD  
DAMPER AXIS WITH LOCKING REGULATOR,  
NYLON GROMMETS INSTALLED AT THE  
COLLAR PENETRATIONS.

2" DAMPER HANDLE STANDOFF.



CONFIGURATION OF  
4" THROUGH 12" DIAMETERS



CONFIGURATION OF  
14" THROUGH 20" DIAMETERS

### OPTIONS

No. 3210: CONICAL TAKEOFF

No. 3210-D: CONICAL TAKEOFF WITH MANUAL  
VOLUME DAMPER

No. 3210-DS2: CONICAL TAKEOFF WITH SOLID ROD  
DAMPER AXIS SIZES 4" - 12"

### SPECIAL NOTES

RECOMMENDED INSTALLATION: DAMPER AXIS PARALLEL TO AIR FLOW.

MADE TO MEET S.M.A.C.N.A. GAUGE STANDARDS. MAXIMUM 2" W.G. STATIC PRESSURE SCHEDULE.  
(S.M.A.C.N.A. HVAC DUCT CONSTRUCTION STANDARDS, SECOND EDITION-1995)

AVAILABLE: SIZES 4" - 8" FABRICATED FROM 26 GAUGE GALVANIZED STEEL (SPECIAL ORDER).