



LLOYD INDUSTRIES INC.

WWW.FIREDAMPER.COM

CEILING RADIATION DAMPER



MODEL:
50 (Rectangular)

APPLICATION

The CRD-50 is for use in any fire resistive floor or roof/ceiling assembly with a restrained or unrestrained assembly rating of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 24 in. x 24 in. (610mm x 610mm) maximum size.

Please consult factory for use in floor/ceiling and roof/ceiling designs.

Standard Construction

1. UL listed link (165°F or 212°F)
2. Blades 22 (0.853mm) Ga. galvanized steel
3. Ceramic fiber with fiberglass cover*
4. Roll-formed frame 22 (0.853mm) Ga. galvanized steel
5. Steel duct drop (by others).

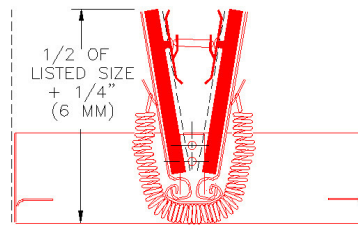
UL 555C Fire Resistance Rating
Fire resistance rated 3 Hours
Building materials rated 3 Hours

Model CRD 50 meets the requirements for fire dampers established by:

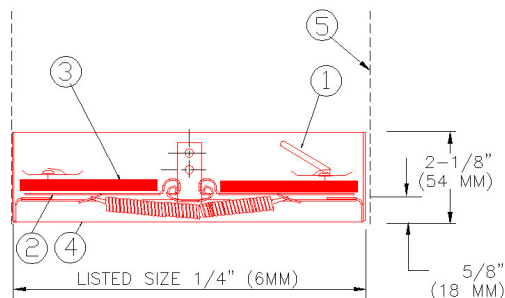
CSFM California State Fire Marshal
Fire Damper Listing (#3225-1417:101)

Note:

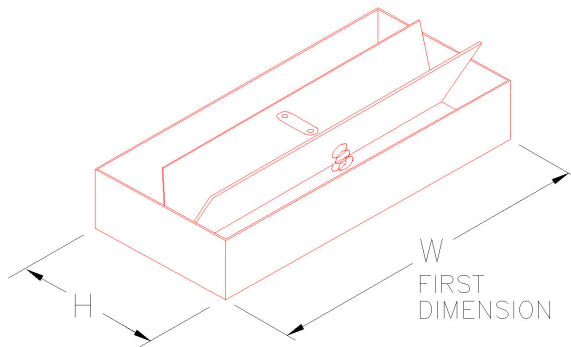
1. Maximum size 24"x24" (600mm x 600mm)
Minimum size 4"x4" (101mm x 101mm)
2. Available in stainless steel
3. Manufactured with blade opening as per sketch #1: when "W" equal to or greater than 6"
4. Manufactured with blade opening as per sketch #2: when "W" is less than 6" and "H" is greater than "W".
5. *Ceramic insulation is not UL required on dampers with areas less than 80 square inches of blade surface. Dampers above 80 square inches will be provided with blade insulation.



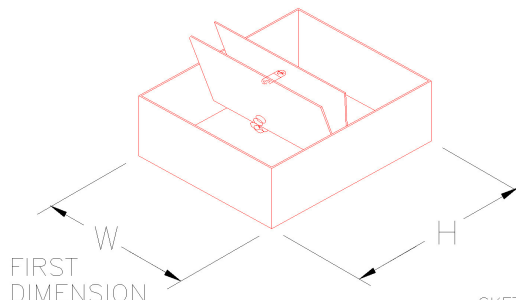
CRD SHOWN IN OPEN POSITION



CRD SHOWN IN CLOSED POSITION



SKETCH 1



SKETCH 2

Note:
First dimension is always the hinge length
Example:
A 12x6 CRD 50-EA has a 12"(W) long hinged length

231 Commerce Dr. Montgomeryville, PA 18936
Tel: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073
Tel: 904-541-1655 Fax: 904-541-1657
Email: lloydind1@firedamper.com

B1, 4/F., Luen Ming Hing Factory Building
36 Mok Cheong St.,
To Kwa Wan, Kowloon, H. K.
Tel: 852-2760-4188 Fax: 852-2760-4177
Email: tatanlexyim@lloydasia.com

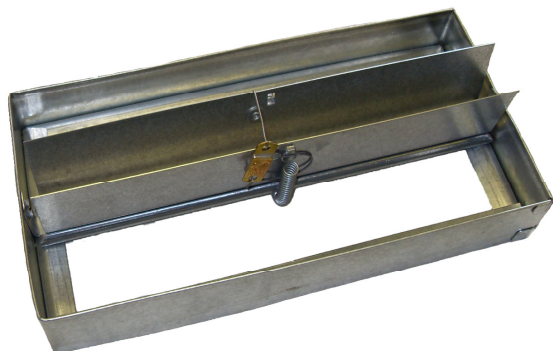


Website: www.firedamper.com

*ALL STATED SPECIFICATIONS ARE SUBJECT TO UPDATE WITHOUT NOTICE OR OBLIGATION.

CEILING RADIATION DAMPER

MODEL:
50EA (Rectangular)



APPLICATION

The CRD-50EA is for use in any fire resistive floor or roof/ceiling assembly with a restrained or unrestrained assembly rating of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 24 in. x 24 in. (610mm x 610mm) maximum size.

Please consult factory for use in floor/ceiling and roof/ceiling designs.

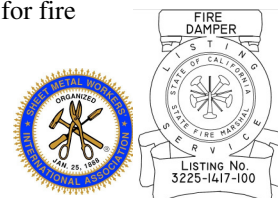
Standard Construction

1. UL listed link (165°F or 212°F)
2. Blades 22 (0.853mm) Ga. galvanized steel
3. Ceramic fiber with fiberglass cover*
4. Roll-formed frame 22 (0.853mm) Ga. galvanized steel
5. Steel duct drop (by others).

UL 555C Fire Resistance Rating
Fire resistance rated 3 Hours
Building materials rated 3 Hours

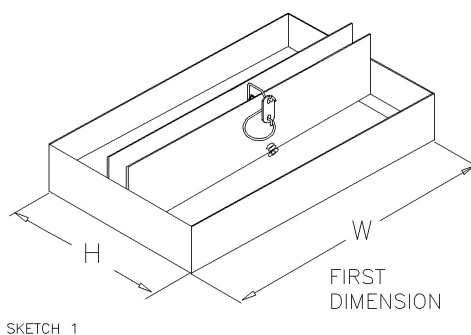
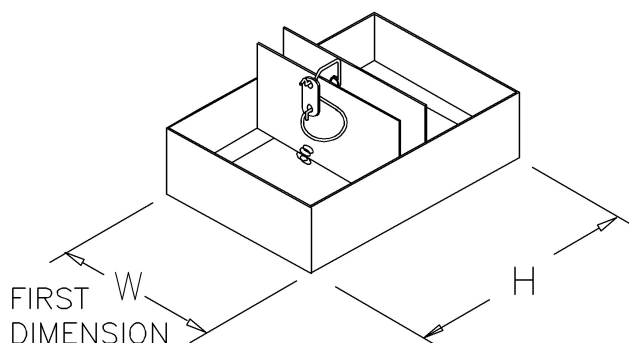
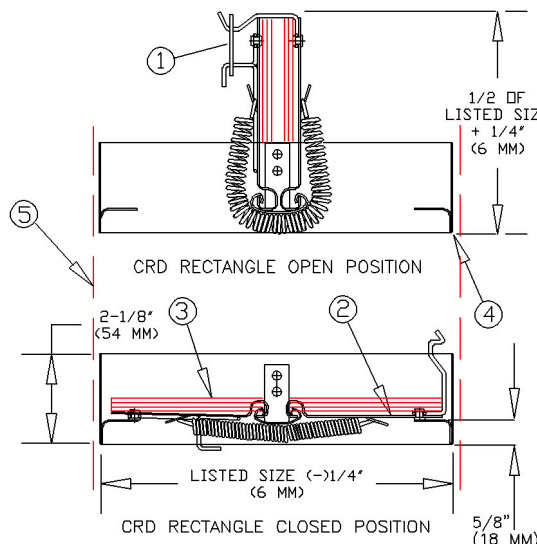
Model CRD 50EA meets the requirements for fire dampers established by:

CSFM California State Fire Marshal
Fire Damper Listing (#3225-1417:101)



Note:

1. Maximum size 24"x24" (600mm x 600mm)
Minimum size 4"x6" (101mm x 152mm)
2. Manufactured with blade opening as per sketch #1: when "W" equal to or greater than 6"
3. Manufactured with blade opening as per sketch #2: when "W" is less than 6" and "H" is greater than "W".
4. *Ceramic insulation is not UL required on dampers with areas less than 80 square inches and is optional. Dampers above 80 square inches will be provided with blade insulation.



Note:
First dimension is always the hinge length
Example:
A 12x6 CRD 50-EA has a 12\"(W) long hinged length



LLOYD INDUSTRIES INC.

WWW.FIREDAMPER.COM

CEILING RADIATION DAMPER

**MODEL:
55 (Round)**



APPLICATION

The CRD-55 is for use in any fire resistive floor or roof/ceiling assembly with a restrained or unrestrained assembly rating of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 24" Dia. (610mm) maximum size.

Please consult factory for use in floor/ceiling and roof/ceiling designs.

Standard Construction

1. UL listed link (165°F or 212°F)
2. Blades 22 (0.853mm) Ga. galvanized steel
3. Ceramic fiber with fiberglass cover*
4. Roll-formed frame 22 (0.853mm) Ga. galvanized steel
5. Steel duct drop (by others).

UL 555C Fire Resistance Rating

Fire resistance rated 3 Hours

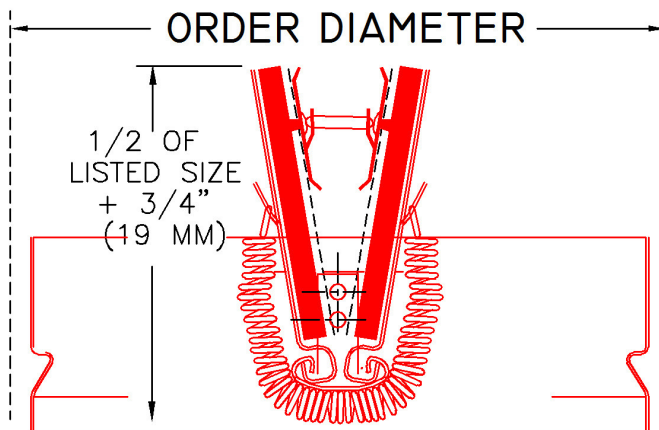
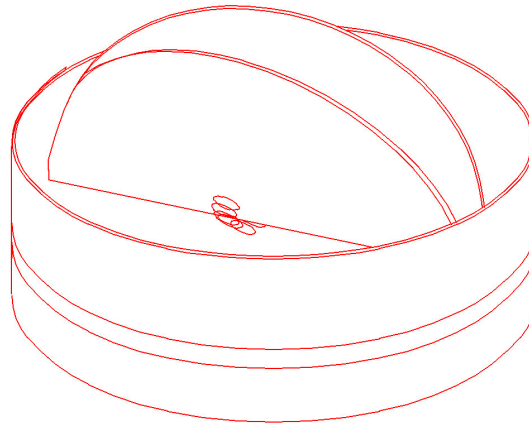
Building materials rated 3 Hours

Model CRD 55 meets the requirements for fire dampers established by:

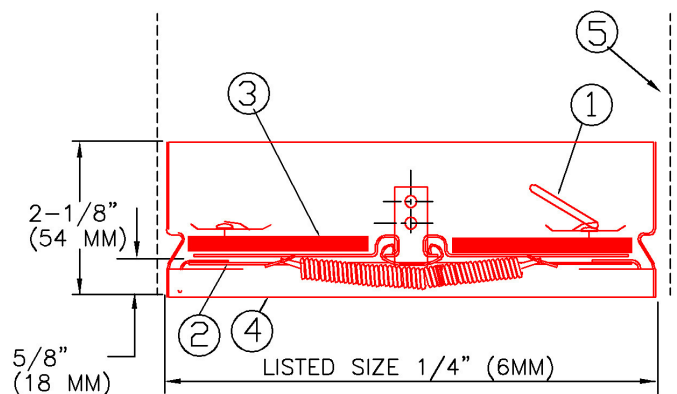
**CSFM California State Fire Marshal
Fire Damper Listing (#3225-1417:101)**

Note:

1. Maximum size 24" Dia. (600mm)
Minimum size 4" Dia. (100mm)
2. Available in stainless steel
3. *Ceramic insulation is not UL required on dampers with areas less than 80 square inches and is optional. Dampers above 80 square inches will be provided with blade insulation.



CRD SHOWN IN OPEN POSITION



CRD SHOWN IN CLOSED POSITION

231 Commerce Dr. Montgomeryville, PA 18936
Tel: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073
Tel: 904-541-1655 Fax: 904-541-1657
Email: lloydind1@firedamper.com

B1, 4/F., Luen Ming Hing Factory Building
36 Mok Cheong St.,
To Kwa Wan, Kowloon, H. K.
Tel: 852-2760-4188 Fax: 852-2760-4177
Email: tatanlexyim@lloydasia.com





LLOYD INDUSTRIES INC.

WWW.FIREDAMPER.COM

CEILING RADIATION DAMPER

MODEL:
55 EA (Round)



APPLICATION

The CRD-55EA is for use in any fire resistive floor or roof/ceiling assembly with a restrained or unrestrained assembly rating of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 24" Dia. (610mm) maximum size.

Please consult factory for use in floor/ceiling and roof/ceiling designs.

Standard Construction

1. UL listed link (165°F or 212°F)
2. Blades 22 (0.853mm) Ga. galvanized steel
3. Ceramic fiber with fiberglass cover*
4. Roll-formed frame 22 (0.853mm) Ga. galvanized steel
5. Steel duct drop (by others).

UL 555C Fire Resistance Rating
Fire resistance rated 3 Hours
Building materials rated 3 Hours

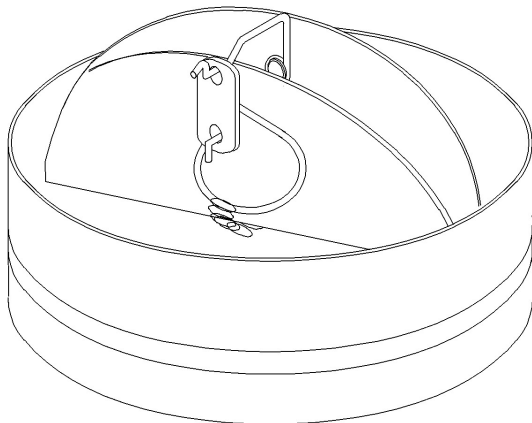
Model CRD 55EA meets the requirements for fire dampers established by:

CSFM California State Fire Marshal
Fire Damper Listing (#3225-1417:101)

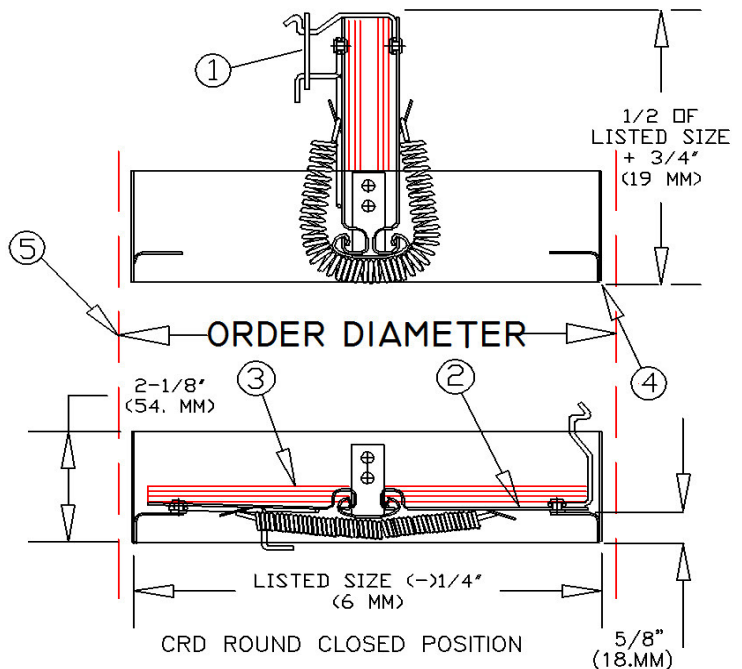


Note:

1. Maximum size 24" Dia. (600mm)
Minimum size 5" Dia. (127mm)
2. Available in stainless steel
3. "Ceramic insulation is not UL required on dampers with areas less than 80 square inches and is optional. Dampers above 80 square inches will be provided with blade insulation.



CRD ROUND OPEN POSITION



CRD ROUND CLOSED POSITION

231 Commerce Dr. Montgomeryville, PA 18936
Tel: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073
Tel: 904-541-1655 Fax: 904-541-1657
Email: lloydind1@firedamper.com

B1, 4/F., Luen Ming Hing Factory Building
36 Mok Cheong St.,
To Kwa Wan, Kowloon, H. K.
Tel: 852-2760-4188 Fax: 852-2760-4177
Email: tatanlexyim@lloydasia.com



Website: www.firedamper.com

*ALL STATED SPECIFICATIONS ARE SUBJECT TO UPDATE WITHOUT NOTICE OR OBLIGATION.

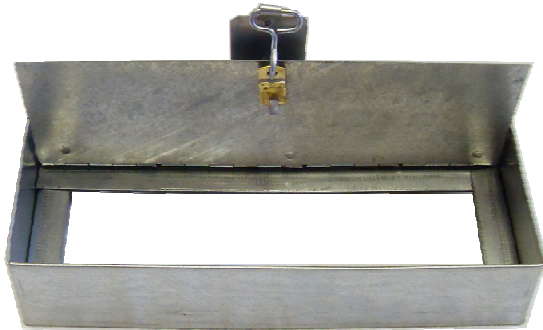


LLOYD INDUSTRIES INC.

WWW.FIREDAMPER.COM

CEILING RADIATION DAMPER

MODEL:
50-4X (Rectangular)



APPLICATION

The CRD-50-4X is for use in any fire resistive floor or roof/ceiling assembly with a restrained or unrestrained assembly rating of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 4"x24" maximum size.

Please consult factory for use in floor/ceiling and roof/ceiling designs.

Standard Construction

1. UL listed link (165°F standard)(max 212°F)
2. Blades 22 (0.853mm) Ga. galvanized steel
3. Roll-formed frame 22 (0.853mm) Ga. galvanized steel
4. Steel duct drop (by others).

UL 555C Fire Resistance Rating
Fire resistance rated 3 Hours
Building materials rated 3 Hours

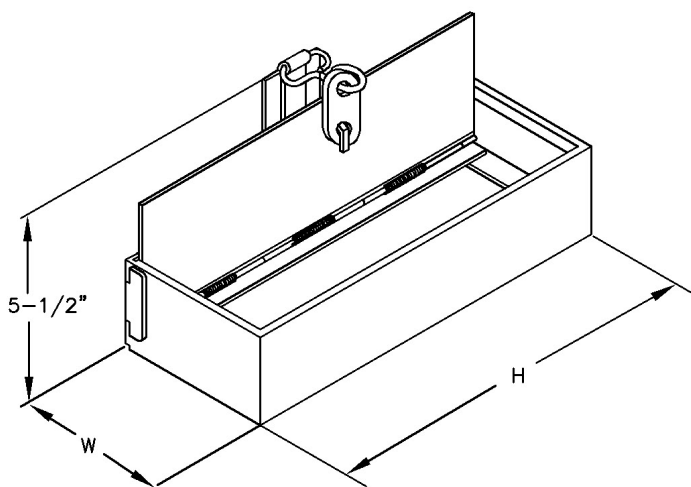
Model CRD 50-4X meets the requirements for fire dampers established by:

**CSFM California State Fire Marshal
Fire Damper Listing (#3225-1417:101)**

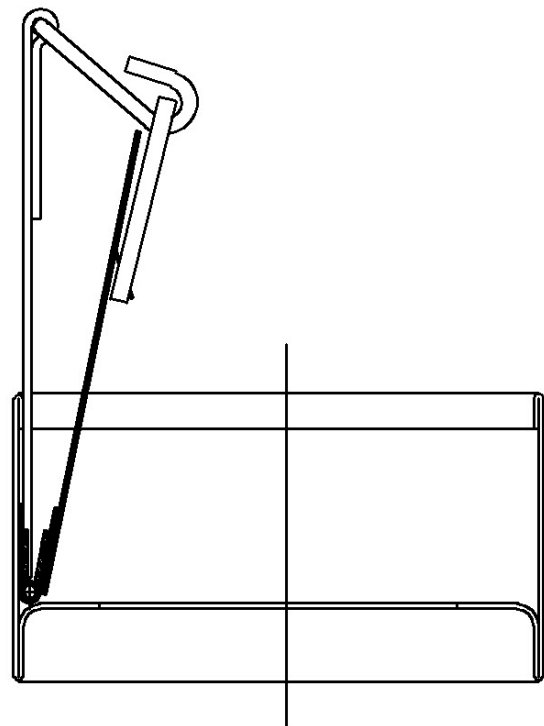


Note:

1. Maximum size 4"x24"
Minimum size 4"x4"
2. "Ceramic insulation is not UL required on Lloyd Industries dampers with area less than 80 square inches.



**MODEL CRD50-4X
SINGLE BLADE DAMPER**



CRD SHOWN IN OPENED POSITION

231 Commerce Dr. Montgomeryville, PA 18936
Tel: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073
Tel: 904-541-1655 Fax: 904-541-1657
Email: lloydind1@firedamper.com

B1, 4/F., Luen Ming Hing Factory Building
36 Mok Cheong St.,
To Kwa Wan, Kowloon, H. K.
Tel: 852-2760-4188 Fax: 852-2760-4177
Email: tatanlexyim@lloydasia.com



Website: www.firedamper.com

*ALL STATED SPECIFICATIONS ARE SUBJECT TO UPDATE WITHOUT NOTICE OR OBLIGATION.