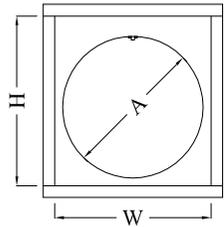
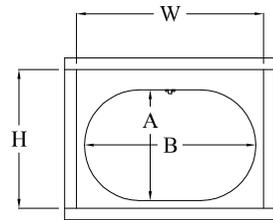


## Floor mounted damper Model RC400H-C



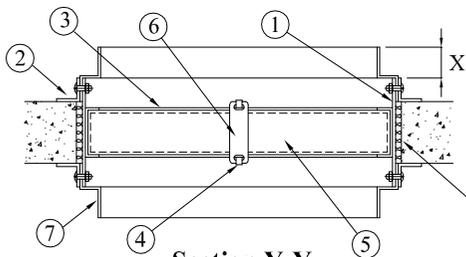
For round duct collar:  
 $W = A + 60 \text{ mm}$   
 $H = A + H3 + 30 \text{ mm}$

	A	W	H
Min. size	150	210	210
Max. size	1140	1200	1290



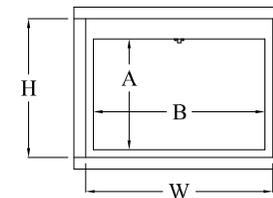
For flat-oval duct collar:  
 $W = B + 60 \text{ mm}$   
 $H = A + H3 + 30 \text{ mm}$

	A	B	W	H
Min. size	150	150	210	210
Max. size	1506	1140	1200	1686



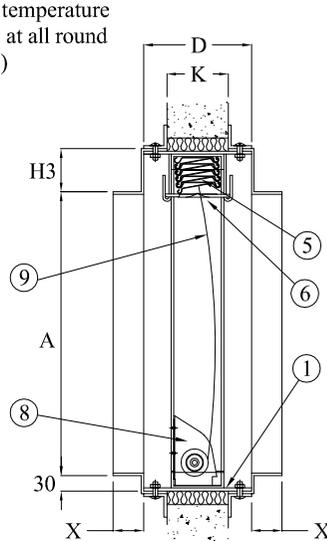
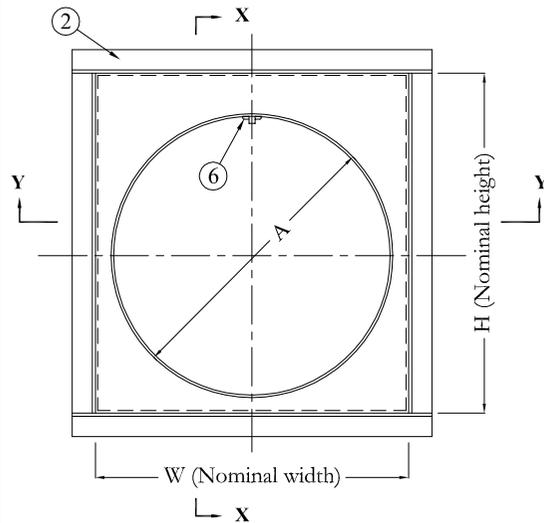
Section Y-Y

Expansion gap filled with high temperature insulation at all round (by others)



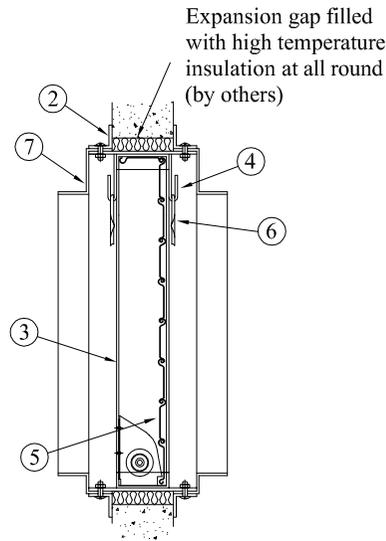
For rectangular duct collar:  
 $W = B + 60 \text{ mm}$   
 $H = A + H3 + 30 \text{ mm}$

	A	B	W	H
Min. size	150	150	210	210
Max. size	1506	1140	1200	1686



Section X-X

(Damper in open position)



Section X-X

(Damper in close position)

Expansion gap filled with high temperature insulation at all round (by others)

In the interest of product improvement, we reserved the right to make changes without notice.

All dimensions are in mm

## Submittal

No	Descriptions	Materials
1	Damper Sleeve	Galvanised Steel or Stainless Steel 2.5 thk.
2	Retaining Angle	Galvanised Steel or Stainless Steel 2.5 thk.
3	Damper Frame	Galvanised Steel or Stainless Steel 1.2 thk.
4	Fusible Link Bracket	Galvanised Steel or Stainless Steel 1.5 thk.
5	Blade	Galvanised Steel or Stainless Steel 1.0 thk.
6	Fusible Link	Rated at 74°C
7	Duct collar	Galvanised Steel or Stainless Steel 0.5 - 1.2 thk
8	Latch Assembly Bracket	Galvanised Steel or Stainless Steel 1.5 thk.
9	Spring	Stainless Steel SUS304

### Notes:

- Damper are available in single module construction only
- K: Floor thickness  
D: K + 76 mm
- X = 70 mm for round and flat-oval duct collar.  
X = 30 mm for rectangular duct collar.
- Floor opening = damper size x 1.01 + 10 mm (GI)  
Floor opening = damper size x 1.015 + 10mm (SS304/316)

### Example:

For galvanised steel damper with connection duct size Ø650, the opening size shall be calculated as follows:  
 $W = 650 + 60 = 710 \text{ mm}$

From Table 1, H = 750 mm

$$710 \times 1.01 + 10 = 727 \text{ mm}$$

$$750 \times 1.01 + 10 = 768 \text{ mm}$$

hence, min. opening size = 727(W) x 768 (H) mm.

For small damper with expansion gap smaller than 19mm, the max. opening size can be based on the expansion gap of 19mm.

Hence min. opening size = 748 (W) x 788 (H) mm.

Table 1:

Duct height, A	150	200	310	360	540	650	690
Damper height, H	210	260	380	445	630	750	800
H3	30	30	40	55	60	70	80

Duct height, A	820	900	1130	1190	1310	1330	1506
Damper height, H	940	1030	1270	1340	1470	1500	1686
H3	90	100	110	120	130	140	150



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Title :

**4 hours rated curtain type floor mounted fire damper  
 - Damper with duct collar (Model RC400H-C)**

Dwn. By :	Edward Chan	Date :	17/12/2019	Scale :
Chk. By :	Han Yee	Dwg. No. :	DAXEP007-R2	N.T.S
App. By :	Wong Wong			

