

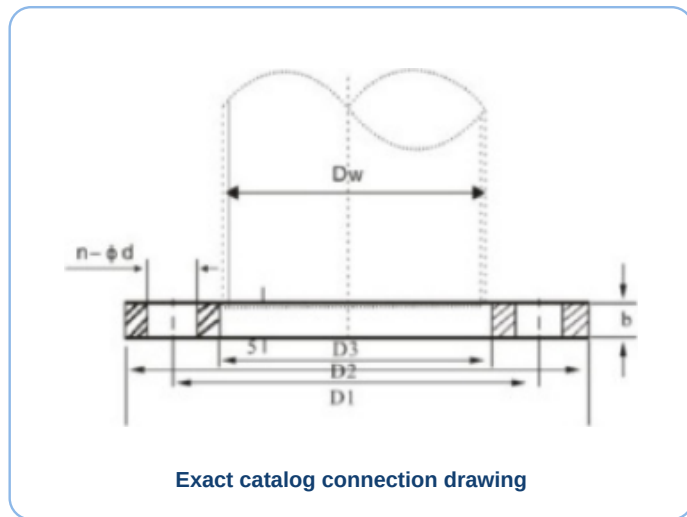


# Round Fabric Expansion Joint for Air Ducts

Circular non-metallic duct compensator | Catalog round configuration



Representative round product



Exact catalog connection drawing

## Key Technical & Supply Data

|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Website Product Name  | Round Fabric Expansion Joint for Air Ducts                                                                                                  |
| Catalog Identity      | Air duct fibrous tissue compensator - round                                                                                                 |
| Configuration         | Circular / round air-duct compensator                                                                                                       |
| Catalog Size Range    | DW 108-3620 mm (25 listed standard sizes)                                                                                                   |
| Connection Dimensions | D1, D2 and D3 are specified by size in the catalog table                                                                                    |
| Flange Thickness b    | 10-22 mm across the listed catalog range                                                                                                    |
| Connecting Bolts      | n = 4-56; bolt diameter d = 10-18 mm across the listed range                                                                                |
| Custom Production     | Non-catalog diameter, face geometry, flange drilling and material stack can be produced to approved project drawings                        |
| Final Selection       | Confirm duct size, movement requirement, temperature, pressure, media, flange/interface details and installation envelope before production |

## Installation & Project Notes

- Tighten flange bolts gradually and uniformly; use suitable anti-loosening measures where service conditions require them.
- Keep the mating flange aligned with the compensator geometry and avoid twisting or forced installation.
- Protect the flexible element from welding or cutting slag during nearby site work; final installation details follow the approved drawing.



## Catalog Main Connection Dimensions

Exact Mingchao catalog values for the round fabric expansion joint. Dimensions are in mm.

Merged ranges and blank cells are preserved from the source table; no missing numerical values are inferred.

### Round Series - Catalog Dimensions

| Circular size | DW<br>mm | D1<br>mm | D2<br>mm | D3<br>mm | b<br>mm | n<br>qty | Bolt d<br>mm |
|---------------|----------|----------|----------|----------|---------|----------|--------------|
| φ 108         | 108      | 200      | 164      | 110      | 10      | 4        | 10           |
| φ 159         | 159      | 251      | 215      | 161      |         | 8        | 10           |
| φ 219         | 219      | 311      | 275      | 211      |         |          | 10           |
| φ 273         | 273      | 365      | 330      | 275      |         | 12       | 10           |
| φ 325         | 325      | 427      | 385      | 327      |         |          | 10           |
| φ 377         | 377      | 479      | 435      | 379      |         |          | 12           |
| φ 426         | 426      | 528      | 490      | 428      |         |          | 12           |
| φ 480         | 480      | 595      | 540      | 483      |         |          | 12           |
| φ 530         | 530      | 645      | 600      | 533      |         |          | 12           |
| φ 630         | 630      | 745      | 700      | 633      | 12      | 16       | 12           |
| φ 720         | 720      | 843      | 800      | 723      |         |          | 12           |
| φ 820         | 820      | 943      | 900      | 823      |         |          | 14           |
| φ 920         | 920      | 1043     | 1000     | 923      |         |          | 14           |
| φ 1020        | 1020     | 1153     | 1100     | 1023     |         | 20       | 14           |
| φ 1120        | 1120     | 1253     | 1200     | 1123     | 14      |          | 14           |
| φ 1220        | 1220     | 1353     | 1300     | 1223     |         |          | 14           |
| φ 1320        | 1320     | 1453     | 1400     | 1323     |         | 24       | 14           |
| φ 1420        | 1420     | 1553     | 1500     | 1423     |         | 28       | 14           |
| φ 1820        | 1820     | 1963     | 1910     | 1823     | 16      |          | 16           |
| φ 2020        | 2020     | 2363     | 2310     | 2223     |         | 32       | 16           |
| φ 2220        | 2220     | 2363     | 2310     | 2223     | 18      | 36       | 16           |
| φ 2420        | 2420     | 2563     | 2510     | 2423     |         | 40       | 16           |
| φ 2820        | 2820     | 2983     | 2915     | 2823     | 20      | 44       | 18           |
| φ 3220        | 3220     | 3883     | 3315     | 3223     | 22      | 52       | 18           |
| φ 3620        | 3620     | 3783     | 3715     | 3623     |         | 56       | 18           |

#### Selection Note

The table above is the current catalog connection-dimension reference. For diameters, flange arrangements, materials, movement requirements or installation envelopes outside these listed values, Mingchao can manufacture to customer specifications after technical review and approved drawing confirmation.

For detailed technical requirements, custom configurations or project questions, please contact us.