

# UNIVERSAL FLANGE ADAPTOR

## TECHNICAL PASSPORT

### UNIVERSAL FLANGE ADAPTOR

**ADTUNIA**

#### APPLICATION

The universal flange adaptors are used as a junction products between flanges and pipes or tube of various material: steel, cast iron, PVC, etc.



Fluids : drinking water, clear water , compatible loaded liquids.

#### GENERAL CHARACTERISTICS

Range : from DN40 to DN1000.  
Connection PN10/PN16 with multiple flange holes.  
Stainless steel bolts and nuts.  
Lockable flange from DN80 to DN600.  
With plastic cap protection.

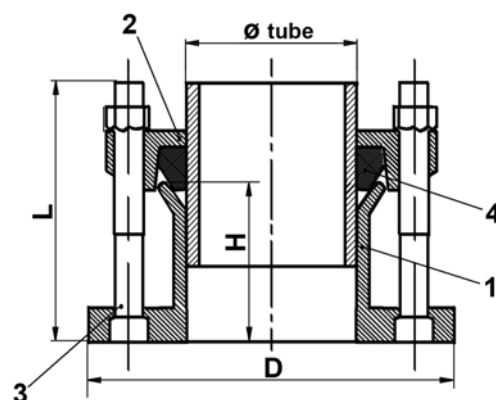


**ACS**

Epoxy coated body according to EN 14901  
RAL 5015, 250 µm tickness

#### CONSTRUCTION DN40-65

| Pos. | Description    | Material                       | Standard       |
|------|----------------|--------------------------------|----------------|
| 1    | Body           | Ductile iron GGG50             | EN 1563        |
| 2    | Counter flange | Ductile iron GGG50             | EN 1563        |
| 3    | Screw          | Stainless steel A4/<br>AISI316 | 1449-2 316 S16 |
| 4    | Gasket         | EPDM ACS                       | EN 681-1       |



#### DIMENSIONS

| DN   |       | Ø tube | number of bolts | H  | L       | D   | Weight (kg) |
|------|-------|--------|-----------------|----|---------|-----|-------------|
| mm   | inch  |        |                 |    |         |     |             |
| DN40 | 1"1/2 | 48-60  | 2               | 80 | M12X170 | 148 | 3.2         |
| DN50 | 2"    | 59-72  | 2               | 80 | M12X180 | 162 | 3.9         |
| DN65 | 2"1/2 | 72-85  | 2               | 80 | M12X180 | 177 | 4.1         |

#### MOUNTING RECOMMENDATION

If the optimal clamping gap is not achieved during assembly, apply a lubricating grease that is compatible with both the conveyed fluid and the elastomer grade to the seal.

#### PRODUCT APPROVALS



Health compliance certificate n° 21 ACC LY 832

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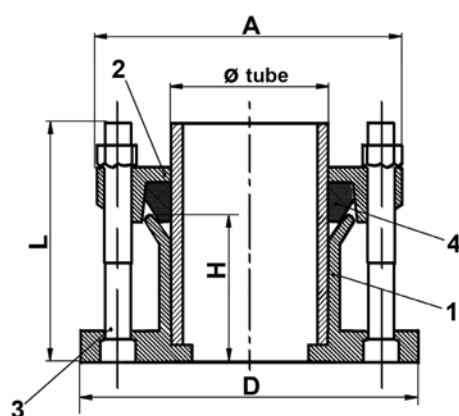
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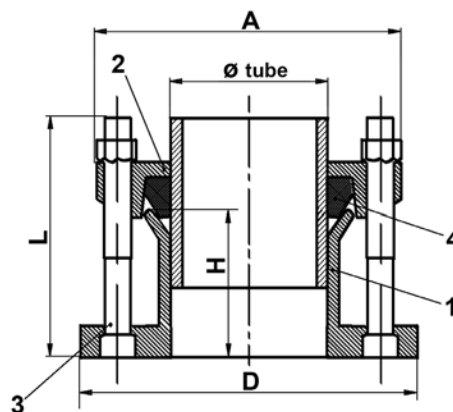
### UNIVERSAL FLANGE ADAPTOR

**ADTUNIA**

#### CONSTRUCTION DN80-600



DN80-100 and DN150-350



DN125 and DN400-600

| Pos. | Description    | Material                   | Standard       |
|------|----------------|----------------------------|----------------|
| 1    | Body           | Ductile iron GGG50         | EN 1563        |
| 2    | Counter flange | Ductile iron GGG50         | EN 1563        |
| 3    | Screw          | Stainless steel A4/AISI316 | 1449-2 316 S16 |
| 4    | Gasket         | EPDM ACS                   | EN 681-1       |

#### DIMENSIONS

Epoxy coated body according to EN 14901  
RAL 5015, 250 µm tickness

| DN    |      | Ø tube  | Number of bolts | H   | L       | D   | Weight (kg) |
|-------|------|---------|-----------------|-----|---------|-----|-------------|
| mm    | inch |         |                 |     |         |     |             |
| DN80  | 3"   | 88-98   | 4               | 95  | M12X130 | 202 | 4.9         |
| DN100 | 4"   | 114-118 | 4               | 95  | M12X130 | 224 | 5.2         |
| DN125 | 5"   | 139-144 | 4               | 95  | M12X140 | 254 | 6.5         |
| DN150 | 6"   | 168-170 | 4               | 95  | M12X140 | 283 | 7.5         |
| DN200 | 8"   | 219-222 | 4               | 104 | M12X140 | 340 | 9.4         |
| DN250 | 10"  | 273-274 | 6               | 130 | M12X150 | 406 | 15.5        |
| DN300 | 12"  | 323-326 | 6               | 130 | M12X150 | 455 | 16.4        |
| DN350 | 14"  | 340-360 | 8               | 130 | M14X190 | 520 | 19.9        |
| DN400 | 16"  | 390-410 | 8               | 130 | M14X190 | 601 | 21.8        |
| DN450 | 18"  | 436-462 | 10              | 130 | M14X180 | 640 | 35          |
| DN500 | 20"  | 500-508 | 10              | 140 | M14X180 | 720 | 38          |
| DN600 | 24"  | 608-636 | 10              | 160 | M14X200 | 838 | 50          |

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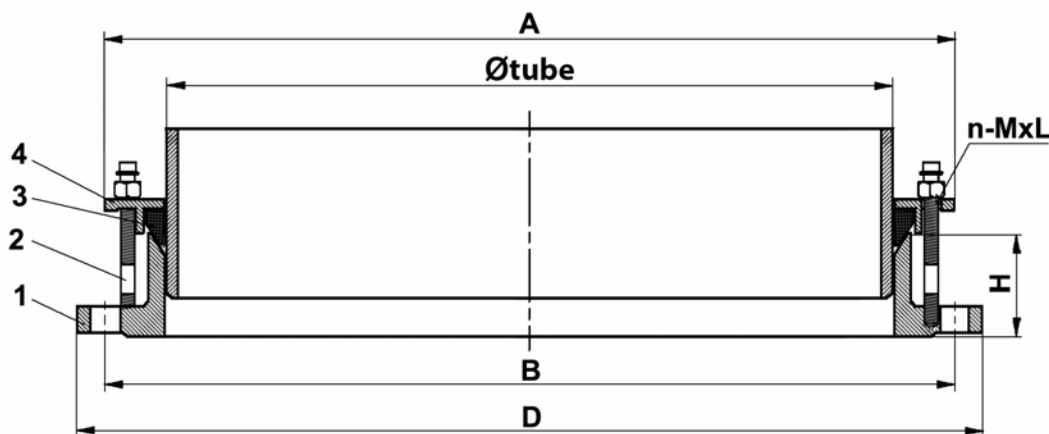
# UNIVERSAL FLANGE ADAPTOR

## TECHNICAL PASSPORT

### UNIVERSAL FLANGE ADAPTOR

**ADTUNIA**

#### CONSTRUCTION DN700-1000



| Rep. | Désignation    | Matière                    | Standard       |
|------|----------------|----------------------------|----------------|
| 1    | Body           | Ductile iron GGG50         | EN 1563        |
| 2    | Screw          | Stainless steel A4/AISI316 | 1449-2 316 S16 |
| 3    | Gasket         | ACS EPDM                   | EN 681-1       |
| 4    | Counter flange | Ductile iron GGG50         | EN 1563        |

Epoxy coated body according to EN 14901  
RAL 5015, 250 µm thickness

#### DIMENSIONS

| DN     |      | Ø tube    | A    | B    |      | D    |      | H    |      | n-ød  |       | MxL     | Weight (kg) |
|--------|------|-----------|------|------|------|------|------|------|------|-------|-------|---------|-------------|
| mm     | inch |           |      | PN10 | PN16 | PN10 | PN16 | PN10 | PN16 | PN10  | PN16  |         |             |
| DN700  | 28"  | 700-716   | 874  | 840  | 840  | 902  |      | 115  |      | 24-31 | 24-37 | M16x180 | 110         |
| DN800  | 32"  | 800-816   | 950  | 950  | 950  | 1015 | 1025 | 116  | 120  | 24-34 | 24-41 | M16x180 | 140         |
| DN900  | 36"  | 900-916   | 1042 | 1050 | 1050 | 1115 |      | 120  |      | 28-34 | 28-41 | M16x180 | 160         |
| DN900  | 36"  | 910-923   | 1042 | 1050 | 1050 | 1115 |      | 120  |      | 28-34 | 28-41 | M16x180 | 160         |
| DN1000 | 40"  | 1000-1016 | 1170 | 1160 | 1170 | 1248 |      | 118  |      | 28-37 | 28-44 | M16x190 | 200         |

#### WORKING CONDITIONS

Maximum working pressure: 16 bar  
Maximum working temperature : 90°C

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