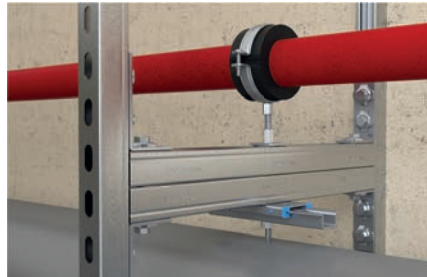


# Refrigeration pipe clamp FRSK

The variable refrigeration pipe clamp with flexible clamping range and rapid-locking-mechanism



Refrigeration pipes



Refrigerant pipe clamps

## Applications

- Installation of pipes in refrigeration and air-conditioning applications.
- For use in dry interior areas.

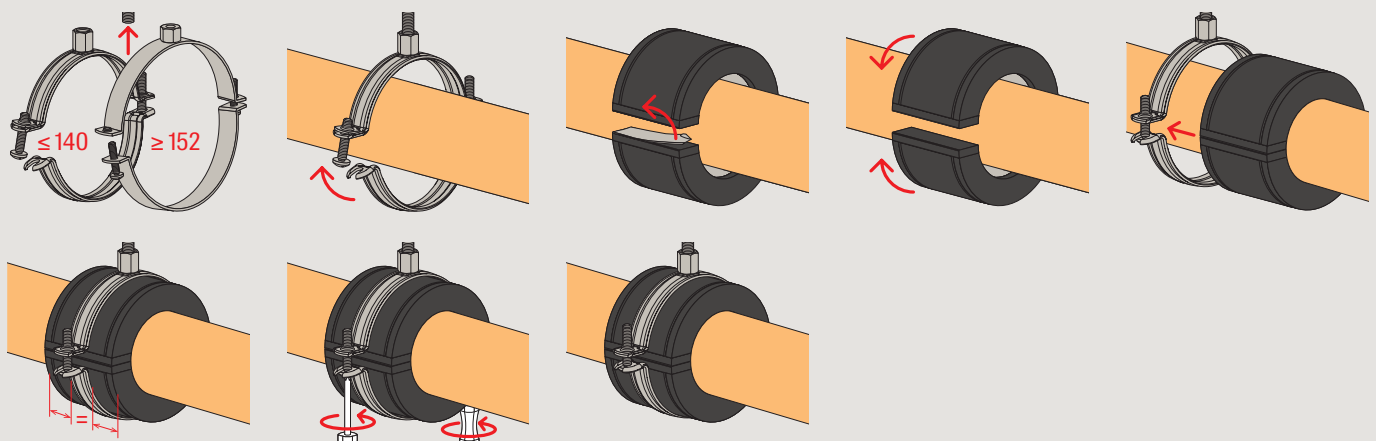
## Advantages

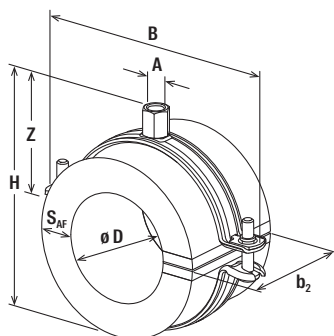
- The variable clamping range compensation and two screw design allow for simple adjustment to the exterior pipe diameter, reducing the number of items required.
- The self-adhesive fastening latch ensures the ideal functioning of the refrigeration pipe clamp.
- Materials resistant to ageing ensure the FRSK offers consistent performance.
- The double-threaded connecting nut offers flexibility on the construction site.
- The loss protection on the screws allows for easy installation.
- The integrated load distribution plate ensures load transfer and allows for higher loads.

## Properties

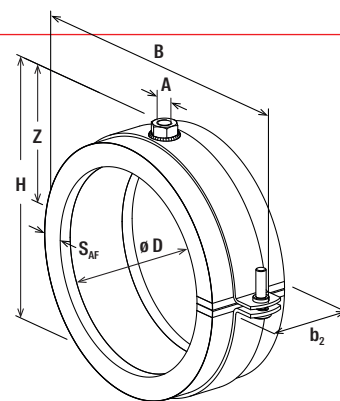
- Material: rigid polyurethane foam, silicone-free
- Density: 80 or 120 kg/m<sup>3</sup>
- Diffusion resistance: 7000 μ
- Compressive strength: 0.67-0.75 mPa
- Thermal conductivity (at 0 °C): 0.024-0.026 W/mK
- Temperature range: -45 °C to +105 °C
- Fire behaviour: DIN 4102: Class B2
- Steel clamp: material: steel DD11 (material no. 1.0332) acc. to DIN EN 10111
- Zinc plating: electro zinc-plated
- Screw plug: oval-head screw with slot / Phillip's head combination

## Installation FRSK





FRSK 10 - 141



FRSK 152 - 221

## Technical data

|                     |          | Thread   | Size  | Insulation thickness | Width  | Height | Height | Locking screw | Length of insulation material | Installation torque    | Max. re-com. static load (centr. tension) | Sales unit |
|---------------------|----------|----------|-------|----------------------|--------|--------|--------|---------------|-------------------------------|------------------------|-------------------------------------------|------------|
|                     | Item no. | A        | [in]  | S <sub>AF</sub> [mm] | B [mm] | H [mm] | Z [mm] |               | b <sub>2</sub> [mm]           | T <sub>inst</sub> [Nm] | N <sub>rec</sub> [kN]                     | [pcs]      |
| Item                |          |          |       |                      |        |        |        |               |                               |                        |                                           |            |
| FRSK 10-13 M8/M10   | 560906   | M8 / M10 | 1/4   | 19                   | 83     | 69     | 42     | M5            | 72                            | 2                      | 0.05                                      | 25         |
| FRSK 15-18 M8/M10   | 560907   | M8 / M10 | 3/8   | 19                   | 90     | 76     | 45     | M5            | 72                            | 2                      | 0.05                                      | 25         |
| FRSK 19-22 M8/M10   | 560908   | M8 / M10 | 1/2   | 19                   | 90     | 76     | 45     | M5            | 72                            | 2                      | 0.05                                      | 25         |
| FRSK 25-28 M8/M10   | 560909   | M8 / M10 | 3/4   | 19                   | 97     | 83     | 49     | M5            | 72                            | 2                      | 0.08                                      | 25         |
| FRSK 32-35 M8/M10   | 560970   | M8 / M10 | 1     | 19                   | 120    | 100    | 57     | M6            | 72                            | 2                      | 0.10                                      | 20         |
| FRSK 38-41 M8/M10   | 560971   | M8 / M10 | –     | 19                   | 120    | 100    | 57     | M6            | 72                            | 2                      | 0.12                                      | 20         |
| FRSK 42-45 M8/M10   | 560972   | M8 / M10 | 1 1/4 | 19                   | 120    | 100    | 57     | M6            | 72                            | 2                      | 0.20                                      | 20         |
| FRSK 48-52 M8/M10   | 560973   | M8 / M10 | 1 1/2 | 19                   | 130    | 109    | 62     | M6            | 42                            | 2                      | 0.24                                      | 20         |
| FRSK 54-57 M8/M10   | 560974   | M8 / M10 | –     | 19                   | 139    | 118    | 66     | M6            | 42                            | 2                      | 0.27                                      | 20         |
| FRSK 60-64 M8/M10   | 560975   | M8 / M10 | 2     | 19                   | 139    | 118    | 66     | M6            | 52                            | 2                      | 0.37                                      | 20         |
| FRSK 67-70 M8/M10   | 560976   | M8 / M10 | –     | 19                   | 146    | 125    | 70     | M6            | 52                            | 2                      | 0.51                                      | 20         |
| FRSK 73-76 M8/M10   | 560977   | M8 / M10 | 2 1/2 | 19                   | 156    | 135    | 75     | M6            | 52                            | 2                      | 0.61                                      | 10         |
| FRSK 89-92 M8/M10   | 560978   | M8 / M10 | 3     | 19                   | 176    | 156    | 86     | M6            | 52                            | 2                      | 0.79                                      | 10         |
| FRSK 101-104 M8/M10 | 560979   | M8 / M10 | –     | 19                   | 184    | 164    | 90     | M6            | 62                            | 2                      | 0.98                                      | 10         |
| FRSK 108-110 M8/M10 | 560980   | M8 / M10 | –     | 19                   | 192    | 172    | 94     | M6            | 62                            | 2                      | 1.15                                      | 10         |
| FRSK 114-115 M8/M10 | 560981   | M8 / M10 | 4     | 19                   | 192    | 172    | 94     | M6            | 62                            | 2                      | 1.17                                      | 10         |
| FRSK 125-127 M8/M10 | 560982   | M8 / M10 | –     | 19                   | 211    | 190    | 103    | M6            | 62                            | 2                      | 1.39                                      | 10         |
| FRSK 130-133 M8/M10 | 560983   | M8 / M10 | –     | 19                   | 211    | 190    | 103    | M6            | 62                            | 2                      | 1.48                                      | 5          |
| FRSK 139-141 M8/M10 | 560984   | M8 / M10 | 5     | 19                   | 219    | 199    | 106    | M6            | 62                            | 2                      | 1.56                                      | 5          |
| FRSK 152-154 M12    | 560985   | M12      | –     | 19                   | 246    | 208    | 109    | M8            | 62                            | 3                      | 1.72                                      | 5          |
| FRSK 159-160 M12    | 560986   | M12      | –     | 19                   | 255    | 214    | 112    | M8            | 62                            | 3                      | 1.77                                      | 5          |
| FRSK 168-170 M12    | 560987   | M12      | 6     | 19                   | 262    | 224    | 117    | M8            | 72                            | 3                      | 2.26                                      | 5          |
| FRSK 190-194 M12    | 560988   | M12      | –     | 19                   | 284    | 248    | 129    | M8            | 82                            | 3                      | 3.04                                      | 4          |
| FRSK 200-204 M12    | 560989   | M12      | –     | 19                   | 292    | 258    | 134    | M8            | 82                            | 3                      | 3.20                                      | 4          |
| FRSK 219-221 M12    | 560990   | M12      | 8     | 19                   | 311    | 275    | 142.5  | M8            | 82                            | 3                      | 3.44                                      | 4          |