



JH1B25G D

**Superheated steam screw-in unions with Whitworth thread**

Where high temperatures have to be withstood DILO superheated steam unions demonstrate its greatest strength. They are available as weld-on or screw-in version, including different thread types withstanding pressures up to PN 100.

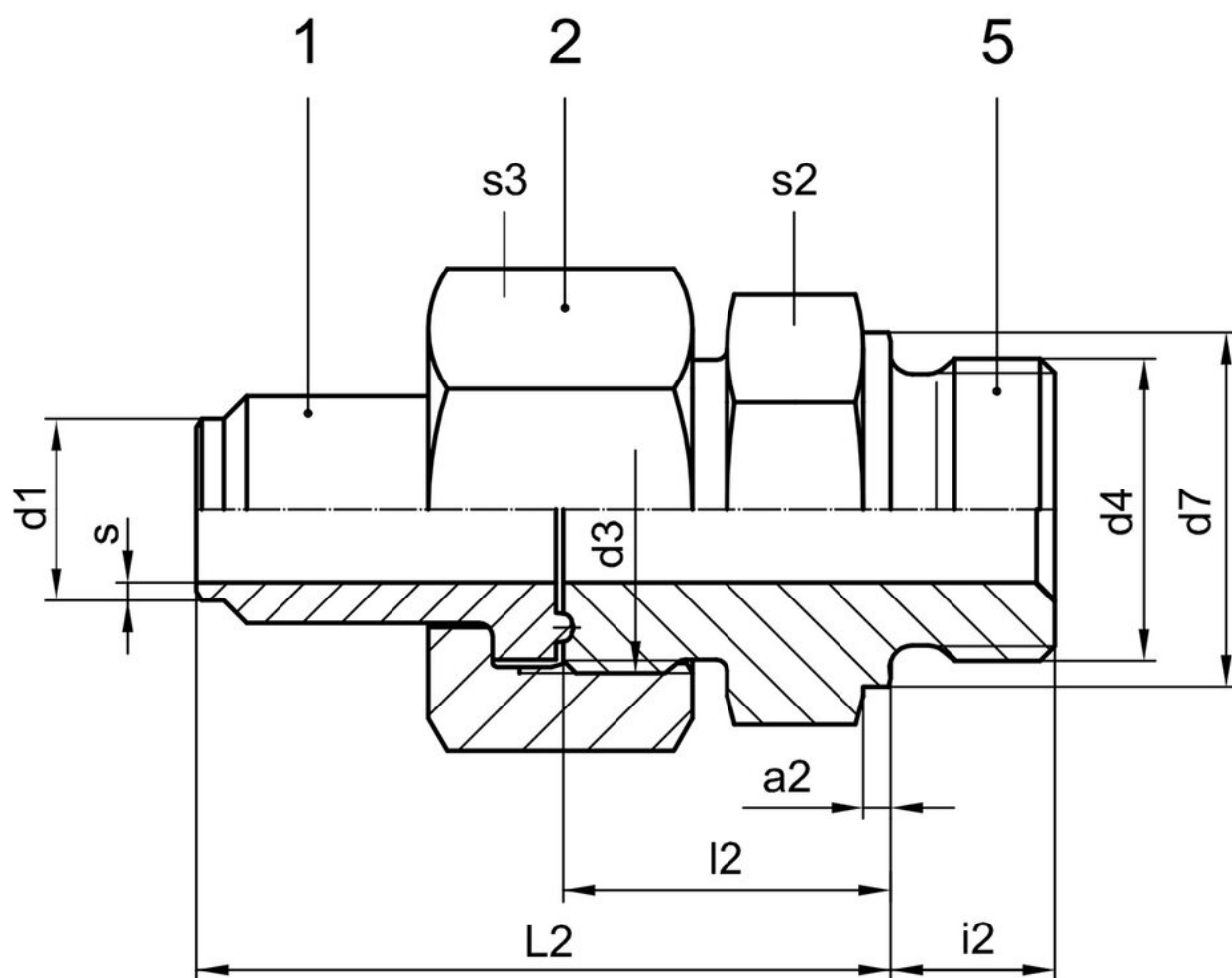


*The actual product may differ slightly from the image.*

**Technical data**

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|                              |                |
|------------------------------|----------------|
| Nominal pressure (in bar)    | PN100          |
| Nominal width (in mm)        | DN25           |
| d1                           | 34 mm          |
| s                            | 4 mm           |
| d3                           | M52x2          |
| d4                           | G 1 ½ A        |
| d7                           | 55 mm          |
| L2                           | 93 mm          |
| l2                           | 43 mm          |
| i1                           | 22 mm          |
| a2                           | 3 mm           |
| s2                           | Wrench size55  |
| s3                           | Wrench size 60 |
| Material according to DIN EN | 1.7335         |
| Material description         | Chrome         |



## Advantages & functions

- With weld-on end and screw-in thread
- Available for pressures up to PN 100
- Available for tube diameters from DN 3 up to DN 40
- Also available in other DIN EN materials
- Three-part union consisting of weld-on stub, clamping nut and screw-in stub
- (At operating temperatures below -197°C, additional tests must be carried out on the raw material in accordance with the specifications of EN 13445 / AD2000 to ensure material integrity and suitability.)

MH1B-G Series for pressures up to PN 100:

| DN | d <sub>1</sub> | s    | d <sub>3</sub> | d <sub>4</sub> | d <sub>7</sub> | L <sub>2</sub> | l <sub>2</sub> | i <sub>2</sub> | a <sub>2</sub> | s <sub>2</sub> | s <sub>3</sub> | Order number |
|----|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| 3  | 6              | 1,5  | M 16x1,5       | G ¼ A          | 18             | 46             | 21             | 12             | 2              | 19             | 22             | MH1B 3 G     |
| 4  | 8              | 2    | M 18x1,5       | G 3/8 A        | 22             | 48             | 23             | 12             | 2,5            | 22             | 22             | MH1B 4 G     |
| 6  | 10             | 2    | M 20x1,5       | G 3/8 A        | 22             | 51             | 24             | 12             | 2,5            | 24             | 24             | MH1B 6 G     |
| 8  | 12             | 2    | M 22x1,5       | G ½ A          | 26             | 58             | 27             | 14             | 3              | 27             | 27             | MH1B 8 G     |
| 10 | 13,5           | 1,75 | M 24x1,5       | G ½ A          | 26             | 58             | 27             | 14             | 3              | 27             | 30             | MH1B 10 G    |
| 12 | 16             | 2    | M 30x2         | G ¾ A          | 32             | 67             | 31             | 16             | 3              | 32             | 36             | MH1B 12 G    |
| 16 | 20             | 2    | M 36x2         | G 1 A          | 39             | 77             | 36             | 18             | 3              | 41             | 46             | MH1B 16 G    |
| 20 | 25             | 2,5  | M 42x2         | G 1 ¼ A        | 49             | 84             | 40             | 20             | 3              | 50             | 50             | MH1B 20 G    |
| 25 | 30             | 3    | M 52x2         | G 1 ½ A        | 55             | 93             | 43             | 22             | 3              | 55             | 60             | MH1B 25 G    |
| 32 | 38             | 3,5  | M 56x2         | G 1 ¾ A        | 62             | 103            | 48             | 24             | 3,5            | 65             | 65             | MH1B 32 G    |
| 40 | 44             | 4,25 | M 68x2         | G 2 A          | 68             | 109            | 50             | 24             | 3,5            | 70             | 80             | MH1B 40 G    |

JH1B-G Series for pressures up to PN 100:

| DN | d <sub>1</sub> | s   | d <sub>3</sub> | d <sub>4</sub> | d <sub>7</sub> | L <sub>2</sub> | l <sub>2</sub> | i <sub>2</sub> | a <sub>2</sub> | s <sub>2</sub> | s <sub>3</sub> | Order number |
|----|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| 3  | 6              | 1,5 | M 16x1,5       | G ¼ A          | 18             | 46             | 21             | 12             | 2              | 19             | 22             | JH1B 3 G     |
| 4  | 8              | 2   | M 18x1,5       | G 3/8 A        | 22             | 48             | 23             | 12             | 2              | 22             | 22             | JH1B 4 G     |

|    |      |      |          |           |    |     |    |    |     |    |    |           |
|----|------|------|----------|-----------|----|-----|----|----|-----|----|----|-----------|
| 6  | 10   | 2    | M 20x1,5 | G 3/8 A   | 22 | 51  | 24 | 12 | 2,5 | 24 | 24 | JH1B 6 G  |
| 8  | 12   | 2    | M 22x1,5 | G 1/2 A   | 26 | 58  | 27 | 14 | 2,5 | 27 | 27 | JH1B 8 G  |
| 10 | 13,5 | 1,75 | M 24x1,5 | G 1/2 A   | 26 | 58  | 27 | 14 | 3   | 27 | 30 | JH1B 10 G |
| 12 | 17   | 2,5  | M 30x2   | G 3/4 A   | 32 | 67  | 31 | 16 | 3   | 32 | 36 | JH1B 12 G |
| 16 | 21   | 2,5  | M 36x2   | G 1 A     | 39 | 77  | 36 | 18 | 3   | 41 | 46 | JH1B 16 G |
| 20 | 27   | 3    | M 42x2   | G 1 1/4 A | 49 | 84  | 40 | 20 | 3   | 50 | 50 | JH1B 20 G |
| 25 | 34   | 4    | M 52x2   | G 1 1/2 A | 55 | 93  | 43 | 22 | 3   | 55 | 60 | JH1B 25 G |
| 32 | 42   | 3,5  | M 56x2   | G 1 3/4 A | 62 | 103 | 48 | 24 | 3,5 | 65 | 65 | JH1B 32 G |
| 40 | 48   | 4    | M 68x2   | G 2 A     | 68 | 110 | 50 | 24 | 3,5 | 70 | 80 | JH1B 40 G |

For orders on individual parts we need the following information:

| Pieces | Component | Designation   | Order number     | Designation |
|--------|-----------|---------------|------------------|-------------|
| 1      | 1         | Weld-on stub  | (Series)-(DN)- 1 | _____       |
| 1      | 2         | Clamping nut  | (Series)-(DN)- 2 | _____       |
| 1      | 5         | Screw-in stub | (Series)-(DN)- 5 | _____       |