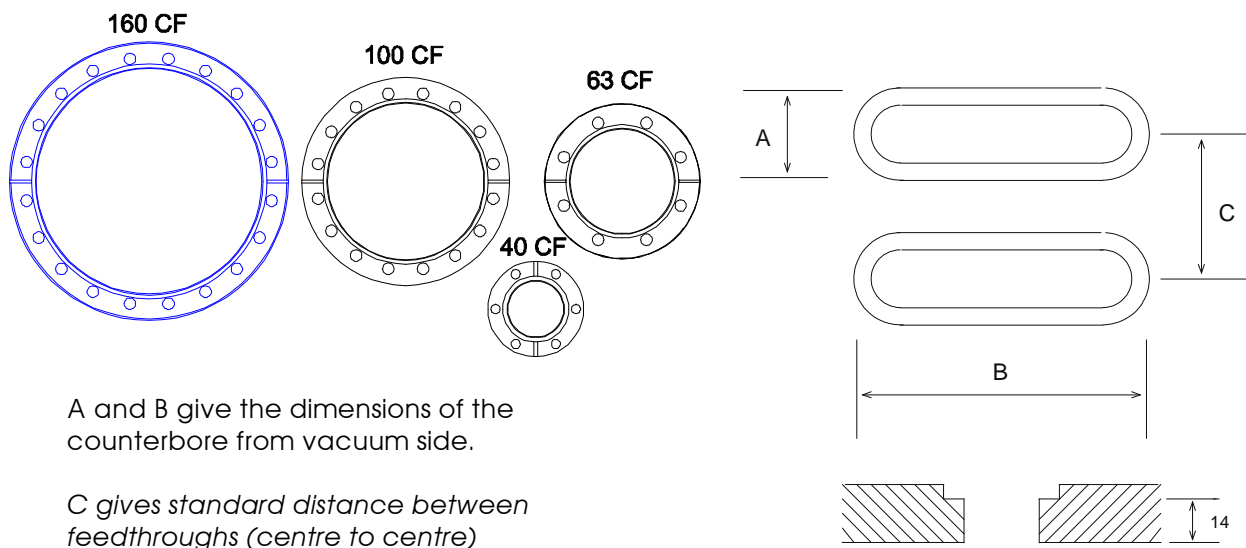


## Standards for welding in Sub-D feedthroughs

If nothing else is specified, Sub-D feedthroughs will be welded to flanges according the following specifications:

- Hole orientation of flange is straddled on vertical centre line.  
Exception: 25-pin on DN40CF is straddled on horizontal centre line.
- Single feedthroughs are centred on flange.
- Flanges thicker than 15mm will have a counterbore from the vacuum side. See table for dimensions.  
Flange thickness is reduced to 14mm.



|           | 9-way | 15-way | 25-way | 37-way | 50-way |
|-----------|-------|--------|--------|--------|--------|
| <b>A</b>  | 20    | 22     | 25     | 25     | 25     |
| <b>B</b>  | 41    | 48     | 62     | 77     | 75     |
| <b>B*</b> | 44,5  | 51     | 63,5   | 79     | 77     |
| <b>C</b>  | 25    | 27     | 30     | 30     | 30     |

All dimensions in mm

B\*: If there is enough space, this dimension should be taken instead of B.  
With B\* even for most of non-standard plugs there should be enough space.

### Dimensions of the weldable Sub-D feedthroughs:

| Nr. of Pins | Length mm | Widths mm | Height mm | Thread distance mm | Remarks         |
|-------------|-----------|-----------|-----------|--------------------|-----------------|
| 9           | 33.0      | 14.5      | 17        | 25.0               |                 |
| 15          | 38.0      | 16.5      | 17        | 33.33              |                 |
| 25          | 55.0      | 19.0      | 17        | 47.04              |                 |
| 25          | 42.0      | 16.5      | 17        | -                  | SPECIAL VERSION |
| 37          | 70.0      | 19.0      | 17        | 63.5               |                 |
| 50          | 68.0      | 19.0      | 17        | 61.1               | 3 rows of pins  |

All data given in this sheet are carefully checked but are open to change at any time.

Last revised:

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