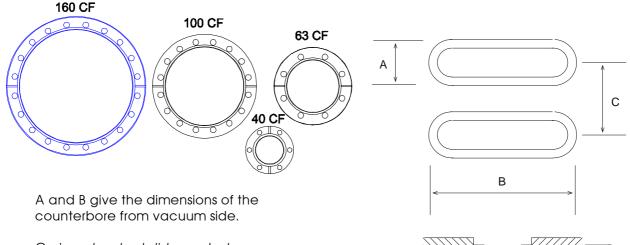


## Standards for welding in Sub-D feedthroughs

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.



C gives standard distance between feedthroughs (centre to centre)

	9-way	15-way	25-way	37-way	50-way
A	20	22	25	25	25
В	41	48	62	77	75
<b>B</b> *	44,5	51	63,5	79	77
С	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	Length	Widths	Height	Thread distance	Remarks
Pins	mm	mm	mm	mm	
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: Z:\Docs\Fabrikation\Sub-D Standards.odt

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