

WELD NECK BW STAINLESS STEEL 316L FLANGE PN10/40 TYPE 11/B1 EN1092-1

Weld neck flange stainless steel 316L Type 11/B1 PN10/40 according to EN 1092-1 for gas or fluids.
To connect valves with flanges PN10/40 (ball valves, gate valves, check valves, strainer...).

Certificate

3.1



Size : DN15 to DN300
Connection : PN10/40
Max Temperature : + 450°C
Max Pressure : 16 to 40 bars according to DN
Specifications : Raised Face (RF)
Type 11/B1 according to EN 1092-1
Drinking water compatibility

Materials : Forged stainless steel F316L

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SPECIFICATIONS :

- Raised Face (RF)
- Weld neck BW type
- Stainless steel F316L

USE :

- For fluids or gas
- Max Temperature Ts : +450°C
- Max pressure Ps :
 - 40 bars for PN40 types
 - 16 bars for PN16 types
 - 10 bars for PN10 types

RANGE :

- Weld neck BW stainless steel 316L flange PN10/40 Type 11/B1 **Ref. 4COL** from DN 15 to DN300

PRESSURE / TEMPERATURE RELATION ACCORDING TO EN 1092-1 1.4404 GROUP 13EO PN10 :

Pressure (bar)	10	9.4	8.6	7.9	7.4	6.9	6.6	6.4	6.2
Temperature (°C)	20	100	150	200	250	300	350	400	450

PRESSURE / TEMPERATURE RELATION ACCORDING TO EN 1092-1 1.4404 GROUP 13EO PN16 :

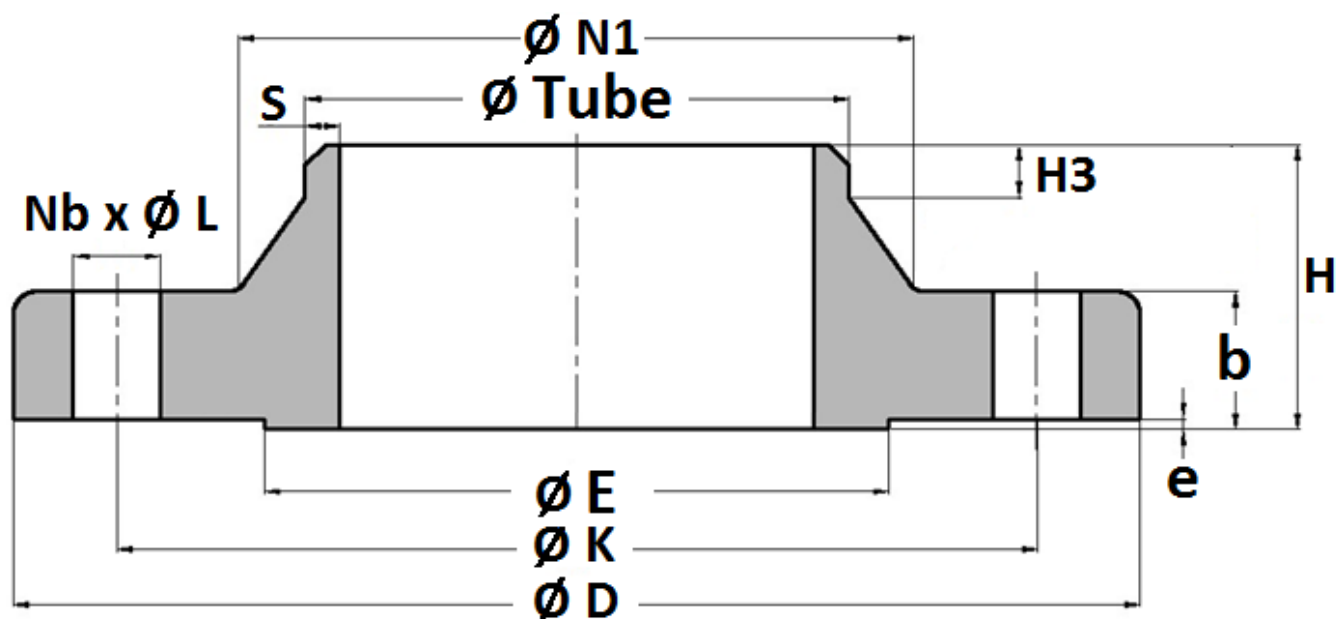
Pressure (bar)	16	15.1	13.7	12.7	11.9	11	10.5	10.2	10
Temperature (°C)	20	100	150	200	250	300	350	400	450

PRESSURE / TEMPERATURE RELATION ACCORDING TO EN 1092-1 1.4404 GROUP 13EO PN40 :

Pressure (bar)	40	37.9	34.4	31.8	29.9	27.6	26.4	25.7	25
Temperature (°C)	20	100	150	200	250	300	350	400	450

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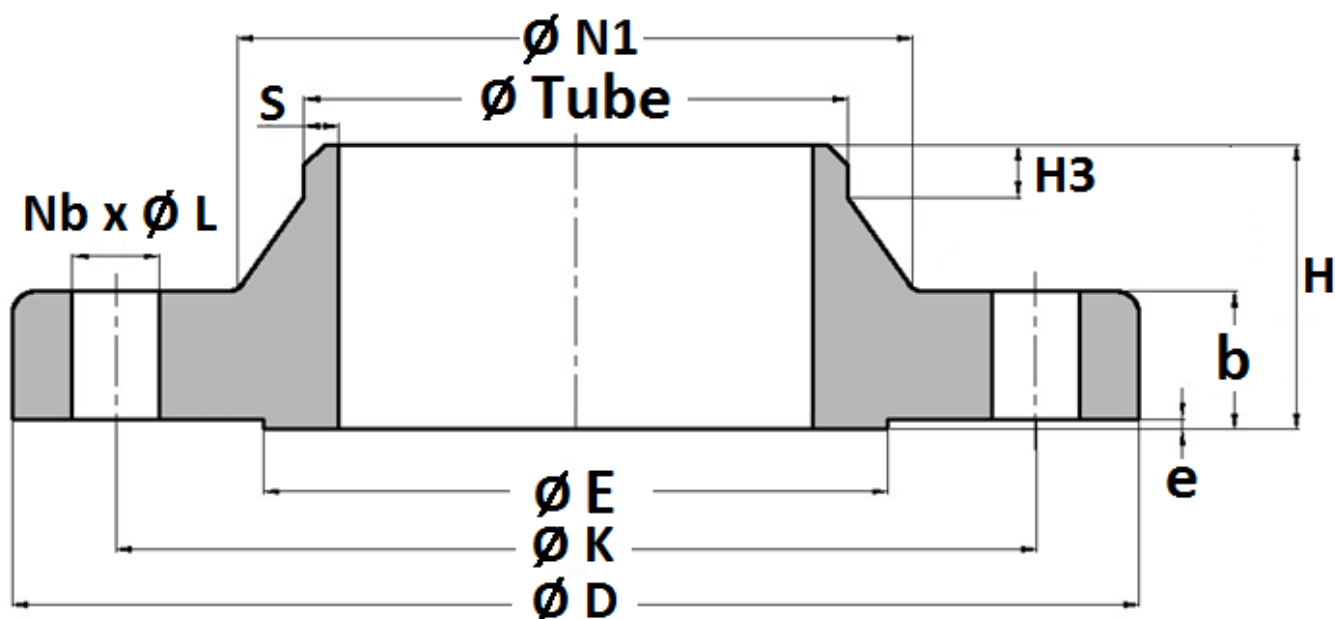
SIZE PN10/40 TYPE 11B1 (in mm) :



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
PN	PN10/40					PN10/16						PN16		
Ø E	45	58	68	78	88	102	122	138	158	188	212	268	320	378
Ø N1	32	40	46	56	64	74	92	105	131	156	184	235	292	344
Ø D	95	105	115	140	150	165	185	200	220	250	285	340	405	460
Ø K	65	75	85	100	110	125	145	160	180	210	240	295	355	410
Ø Tube	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	115	141.4	167	219.1	273	323.9
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 18	8 x 18	8 x 22	12 x 22	12 x 26	12 x 26
H	38	40	40	42	45	45	45	50	52	55	55	62	70	78
H3	6	6	6	6	7	8	10	10	12	12	12	16	16	16
b	16	18	18	18	18	18	18	20	20	22	22	24	26	28
e	2	2	2	2	3	3	3	3	3	3	3	3	3	4
S	2	2.3	2.6	2.6	2.6	2.9	2.9	3.2	3.6	4	4.5	6.3	6.3	7.1
Weig. (Kg)	0.7	1	1.2	1.75	1.85	2.55	3.1	4	4.55	6.2	7.8	11	16.5	22
Ref.	4COL15	4COL20	4COL25	4COL32	4COL40	4COL50	4COL65	4COL80	4COL100	4COL125	4COL150	4COL16200	4COL16250	4COL16300

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SIZE PN10 TYPE 11B1 (in mm) :



DN	200	250	300
PN	PN10		
$\varnothing E$	268	320	370
$\varnothing N1$	234	292	342
$\varnothing D$	340	395	445
$\varnothing K$	295	350	400
$\varnothing \text{Tube}$	219.1	273	323.9
$Nb \times \varnothing L$	8 x 22	12 x 22	12 x 22
H	62	68	68
H3	16	16	16
b	24	26	26
e	3	3	4
S	6.3	6.3	7.1
Weig. (Kg)	11	14.7	17.4
Ref.	4COL200	4COL250	4COL300

WELD NECK BW STAINLESS STEEL 316L FLANGE PN10/40 TYPE 11/B1 EN1092-1**STANDARDS :**

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (article 4, § 3)
- Certificate 3.1 on request
- Designing according to EN 1092-1 PN10/40
- Forged stainless steel F316L Group 13EO N° 1.4404 according to EN 10222-5
- Stainless steel F316L for drinking water compatibility

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.