

WELD NECK GALVANIZED CARBON STEEL FLANGE TYPE 11/B1 PN10/40 EN1092-1 EXCELLENCE RANGE

Weld neck electro galvanized carbon steel flange 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 DN400

Connection : Flanges PN10/40 RF

Max Temperature : + 450°C

Max Pressure : 40 bars

Specifications : Raised Face (RF)

Weld neck BW type

Type 11/B1

Materials : Electro galvanized forged carbon steel P245GH

*the installation defects and wear defects are not covered by the guarantee

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SPECIFICATIONS :

- Raised face (RF)
- Weld neck BW type
- Electro galvanized forged carbon steel P245GH

USE :

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

RANGE :

- Weld neck BW electro galvanized carbon steel P245GH flange PN10/40 type 11/B1 **Ref. 2153 BCG** from DN15 to DN40
- Weld neck BW electro galvanized carbon steel P245GH flange PN10/16 type 11/B1 **Ref. 2153 BCG** from DN50 to DN400

PRESSURE-TEMPERATURE RELATION ACCORDING TO EN 1092-1 CARBON STEEL P245GH GROUP 3EO PN10 :

Pressure (bar)	10	9.2	8.8	8.3	7.6	6.9	6.4	5.9	3.2
Temperature (°C)	20	100	150	200	250	300	350	400	450

PRESSURE-TEMPERATURE RELATION ACCORDING TO EN 1092-1 CARBON STEEL P245GH GROUP 3EO PN16 :

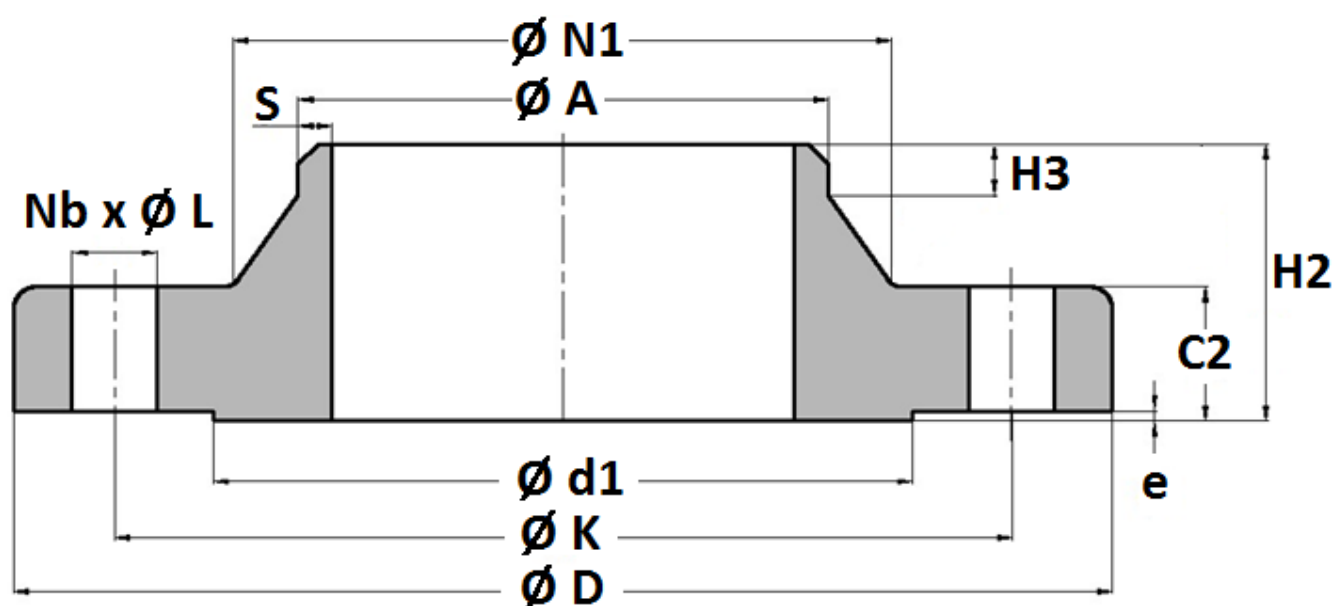
Pressure (bar)	16	14.8	14	13.3	12.1	11	10.2	9.5	5.2
Temperature (°C)	20	100	150	200	250	300	350	400	450

PRESSURE-TEMPERATURE RELATION ACCORDING TO EN 1092-1 CARBON STEEL P245GH GROUP 3EO PN40 :

Pressure (bar)	40	37.1	35.2	33.3	30.4	27.6	25.7	23.8	13.1
Temperature (°C)	20	100	150	200	250	300	350	400	450

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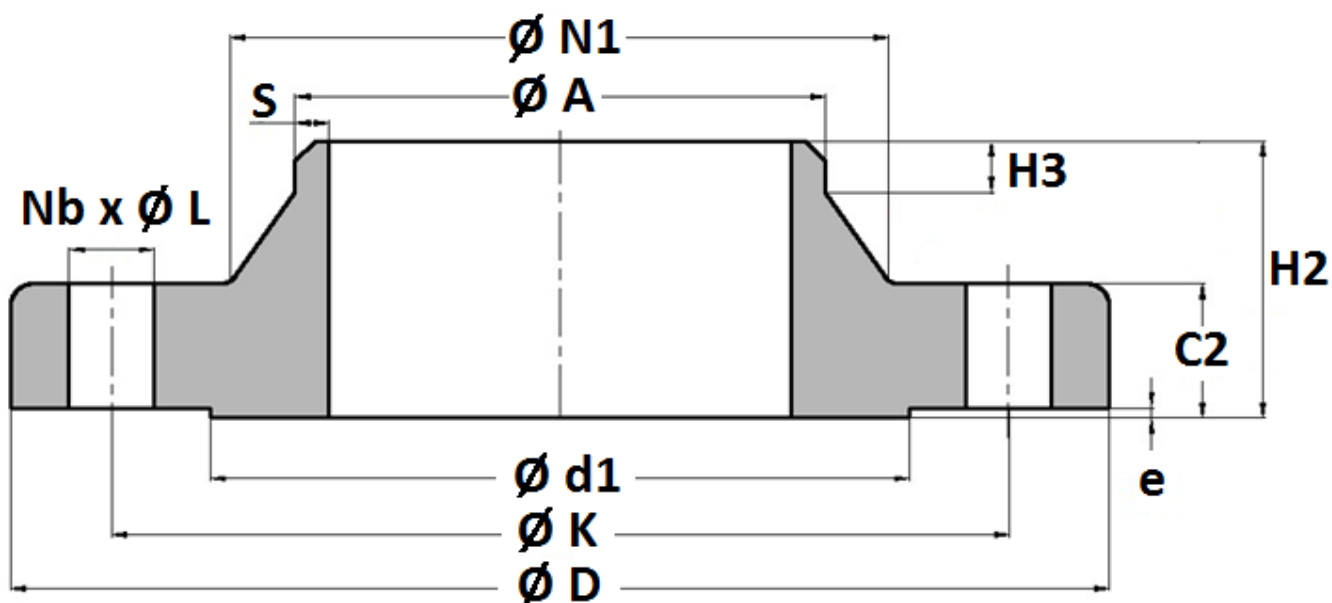
SIZE PN10/40 and PN10/16 TYPE 11B1 (in mm) DN15-150 :



DN	15	20	25	32	40	50	65	80	100	125	150
PN	PN10/40					PN10/16					
Ø d1	45	58	68	78	88	102	122	138	158	188	212
Ø N1	32	40	46	56	64	74	92	105	131	156	184
Ø D	95	105	115	140	150	165	185	200	220	250	285
Ø K	65	75	85	100	110	125	145	160	180	210	240
Ø A	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	115	141.4	167
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
H2	38	40	40	42	45	45	45	50	52	55	55
H3	6	6	6	6	7	8	10	10	12	12	12
C2	16	18	18	18	18	18	18	20	20	22	22
e	2	2	2	2	3	3	3	3	3	3	3
S	2	2.3	2.6	2.6	2.6	2.9	2.9	3.2	3.6	4	4.5
Weig. (Kg)	0.65	0.95	1.14	1.69	1.86	2.53	3.06	3.7	4.62	6.3	7.75
Ref.	2153015	2153020	2153025	2153032	2153040	2153050	2153065	2153080	2153100	2153125	2153150

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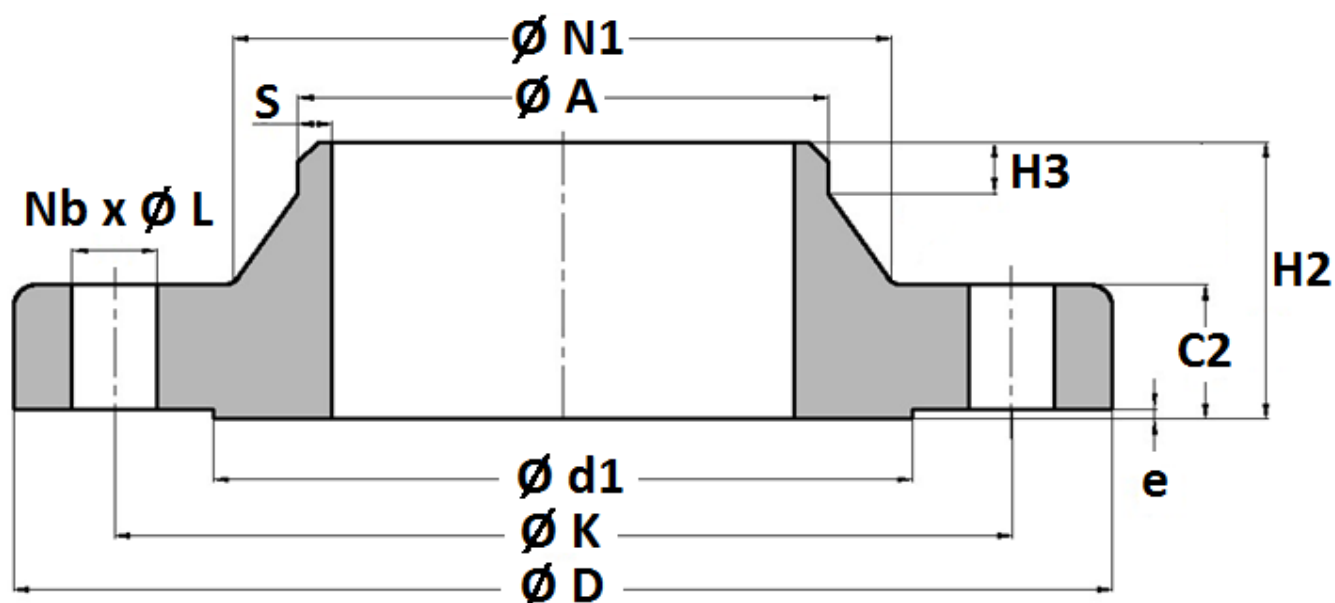
SIZE PN16 TYPE 11B1 (in mm) DN200-400 :



DN	200	250	300	350	400
PN	PN16				
$\varnothing d1$	268	320	378	438	490
$\varnothing N1$	235	292	344	390	445
$\varnothing D$	340	405	460	520	580
$\varnothing K$	295	355	410	470	525
$\varnothing A$	219.1	273	323.9	355.6	406.4
Nb x $\varnothing L$	12 x 22	12 x 26		16x26	16x30
H2	62	70	78	82	85
H3	16	16	16	16	16
C2	24	26	28	30	32
e	3	3	4	4	4
S	6.3	6.3	7.1	8	8
Weight (Kg)	13.3	15.7	22	32.8	41.1
Ref.	2153201	2153251	2153301	2153351	2153401

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SIZE PN10 TYPE 11B1 (in mm) DN200-400 :



DN	200	250	300	350	400
PN	PN10				
Ø d1	268	320	370	430	482
Ø N1	234	292	342	385	440
Ø D	340	395	445	505	565
Ø K	295	350	400	460	515
Ø A	219.1	273	323.9	355.6	406.4
Nb x Ø L	8 x 22	12 x 22	12 x 22	16 x 22	16 x 26
H2	62	68	68	68	72
H3	16	16	16	16	16
C2	24	26	26	26	26
e	3	3	4	4	4
S	6.3	6.3	7.1	7.1	7.1
Weight (Kg)	11.3	14.7	17.4	24.5	30.6
Ref.	2153200	2153250	2153300	2153350	2153400



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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 PN10/16
- Forged carbon steel P245GH Group 3EO N° 1.0352 according to EN 10222-2

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.