

WELD NECK CARBON STEEL FLANGE TYPE 11/B1 PN10/16 EN1092-1 EXCELLENCE RANGE

Weld neck carbon steel flange type 11/B1 PN10/16 according to EN 1092-1 for gas or fluids.
To connect valves with flanges PN10/16 (ball valves, gate valves, check valves, strainer...).

Certificate

3.1



Size : DN50 to DN450
Connection : Flanges PN10/16 RF
Max Temperature : + 450°C
Max Pressure : 16 bars
Specifications : Raised Face (RF)
Weld neck BW type
Type 11/B1

Materials : Forged carbon steel P245GH

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

WELD NECK CARBON STEEL FLANGE TYPE 11/B1 PN10/16 EN1092-1 EXCELLENCE RANGE
SPECIFICATIONS :

- Raised face (RF)
- Welding neck BW flange type 11/B1
- 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

RANGE :

- Weld neck BW forged carbon steel P245GH flange PN10/16 type 11/B1 **Ref. 2152** from DN50 to DN125
- Weld neck BW forged carbon steel P245GH flange PN10/16 type 11/B1 **Ref. 2152** from DN150 to DN450

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

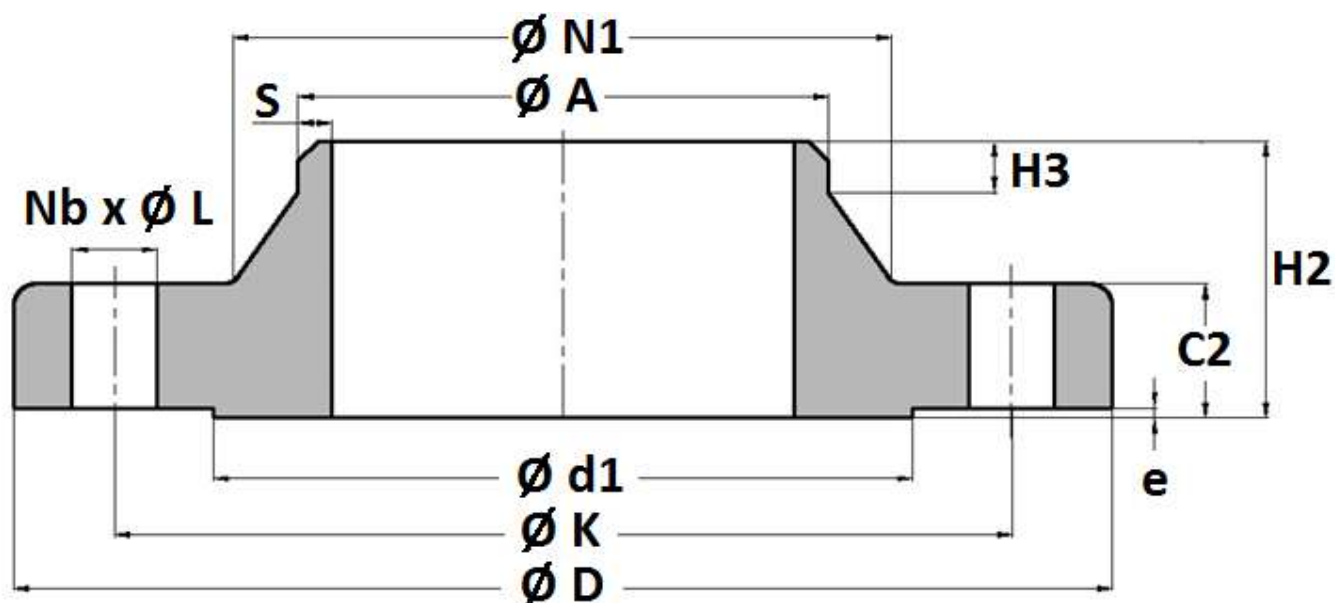
Pressure (bar)	10	9.2	8.8	8.3	7.6	6.9	6.4	5.9	3.2
Temperature (°C)	20	100	150	200	250	300	350	400	450

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

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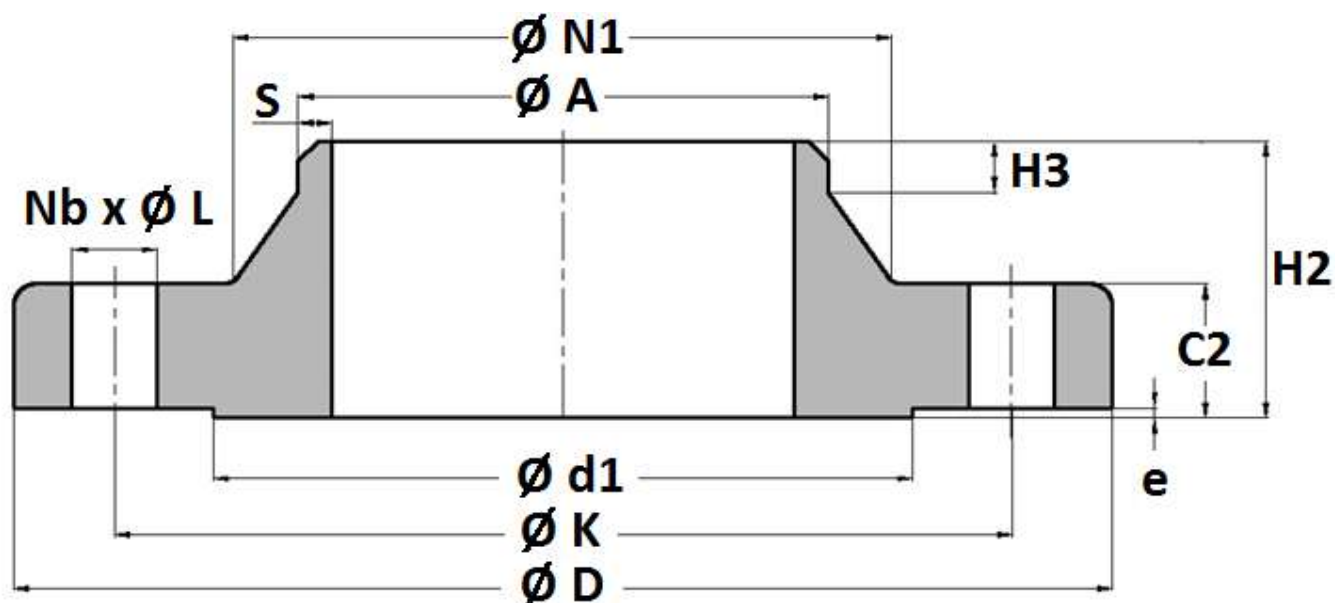
FLANGES SIZE PN10/16 TYPE 11B1 (in mm) DN50-150 :



DN	50	65	80	100	125	150
PN	PN10/16					
$\varnothing d1$	102	122	138	158	188	212
$\varnothing N1$	74	92	105	131	156	184
$\varnothing D$	165	185	200	220	250	285
$\varnothing K$	125	145	160	180	210	240
$\varnothing A$	60.3	76.1	88.9	115	141.4	167
$Nb \times \varnothing L$	4 x 18	8 x 18	8 x 18	8 x 18	8 x 18	8 x 22
H2	45	45	50	52	55	55
H3	8	10	10	12	12	12
C2	18	18	20	20	22	22
e	3	3	3	3	3	3
S	2.9	2.9	3.2	3.6	4	4.5
Weight (Kg)	2.53	3.06	3.7	4.62	6.3	7.75
Ref.	2152050	2152065	2152080	2152100	2152125	2152150

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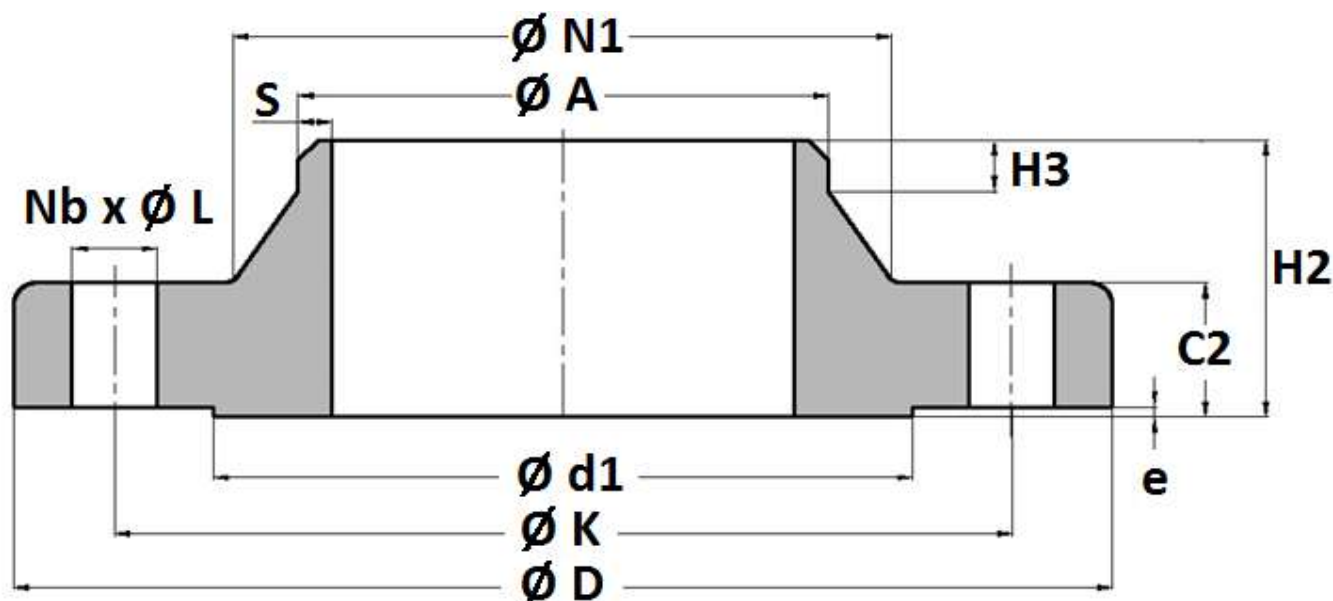
FLANGES SIZE PN16 TYPE 11B1 (in mm) DN200-450 :



DN	200	250	300	350	400	450
PN	PN16					
$\varnothing d1$	268	320	378	438	490	550
$\varnothing N1$	235	292	344	390	445	490
$\varnothing D$	340	405	460	520	580	640
$\varnothing K$	295	355	410	470	525	585
$\varnothing A$	219.1	273	323.9	355.6	406.4	457
$Nb \times \varnothing L$	12 x 22	12 x 26		16x26	16x30	20x30
H2	62	70	78	82	85	83
H3	16	16	16	16	16	16
C2	24	26	28	30	32	34
e	3	3	4	4	4	4
S	6.3	6.3	7.1	8	8	8
Weig. (Kg)	13.3	15.7	22	32.8	41.1	50.6
Ref.	2152201	2152251	2152301	2152351	2152401	2152451

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FLANGES SIZE PN10 TYPE 11B1 (in mm) DN200-450 :



DN	200	250	300	350	400	450
PN	PN10					
$\varnothing d1$	268	320	370	430	482	532
$\varnothing N1$	234	292	342	385	440	488
$\varnothing D$	340	395	445	505	565	615
$\varnothing K$	295	350	400	460	515	565
$\varnothing A$	219.1	273	323.9	355.6	406.4	457
Nb x $\varnothing L$	8 x 22	12 x 22	12 x 22	16 x 22	16 x 26	20 x 26
H2	62	68	68	68	72	72
H3	16	16	16	16	16	16
C2	24	26	26	26	26	28
e	3	3	4	4	4	4
S	6.3	6.3	7.1	7.1	7.1	7.1
Weight (Kg)	11.3	14.7	17.4	24.5	30.6	35.1
Ref.	2152200	2152250	2152300	2152350	2152400	2152450

**WELD NECK CARBON STEEL FLANGE TYPE 11/B1 PN10/16 EN1092-1 EXCELLENCE RANGE****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.