

Gemini Valve B.V.

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GV2100**WELD NECK CARBON STEEL FLANGE TYPE 11/B1 PN10/40 EN1092-1 PERFORMANCE RANGE**

Weld neck electro 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 DN300**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 :** Forged carbon steel P250GH

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SPECIFICATIONS :

- Raised face (RF)
- Welding neck BW flange type 11/B1
- Forged carbon steel P250GH

USE :

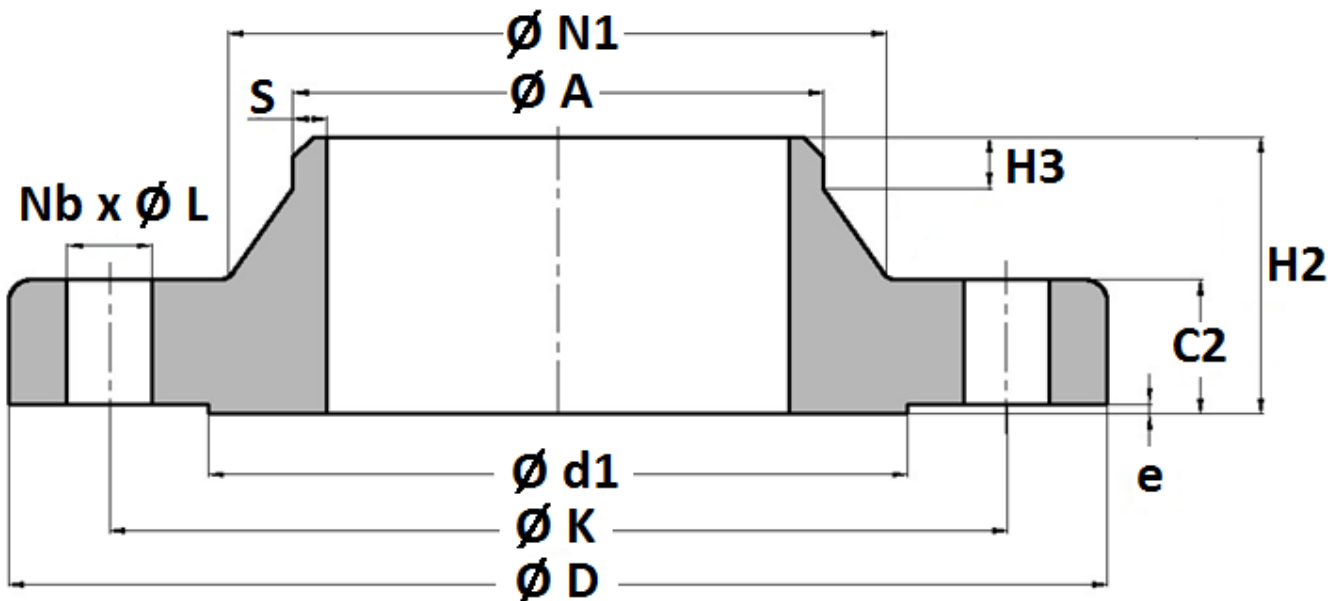
- For fluids or gas
- Max Temperature Ts : + 450°C
- Max pressure Ps :
 - 10 bars for flanges PN10
 - 16 bars for flanges PN16
 - 40 bars for flanges PN40

RANGE :

- Weld neck BW forged carbon steel flange PN10/40 type 11/B1 **Ref. 2100 IBC10** from DN15 to DN400

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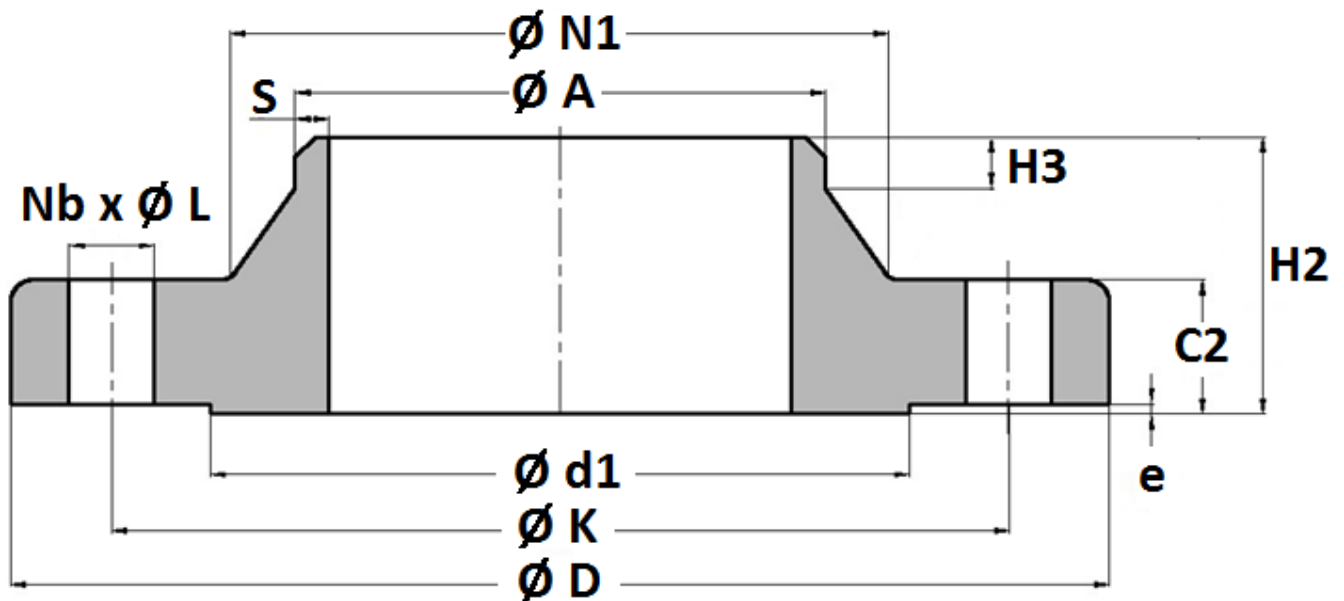
SIZE DN15-200 PN10/40 (in mm) :



DN	15	20	25	32	40	50	65	80	100	125	150	200	200
PN	PN10/40								PN25/40			PN25	PN40
Ø d1	45	58	68	78	88	102	122	138	162	188	218	278	285
Ø N1	32	40	46	56	64	75	90	105	134	162	192	244	244
Ø D	95	105	115	140	150	165	185	200	235	270	300	360	375
Ø K	65	75	85	100	110	125	145	160	190	220	250	310	320
Ø A	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3	219.2	219.1
Nb x ØL	4 x 14			4 x 18			8 x 18		8 x 22	8 x 26		12 x 26	12 x 30
H2	38	40	40	42	45	48	52	58	65	68	75	80	88
H3	6	6	6	6	7	8	10	12				16	16
C2	16	18	18	18	18	20	22	24	24	26	28	30	34
e	2				3								
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
Weig. (Kg)	0.77	1.09	1.3	1.91	2.15	2.85	3.68	4.78	6.46	8.86	11.7	17	21
Ref.	2100015	2100020	2100025	2100032	2100040	2100056	2100066	2100086	2100106	2100126	2100156	2100201	2100206

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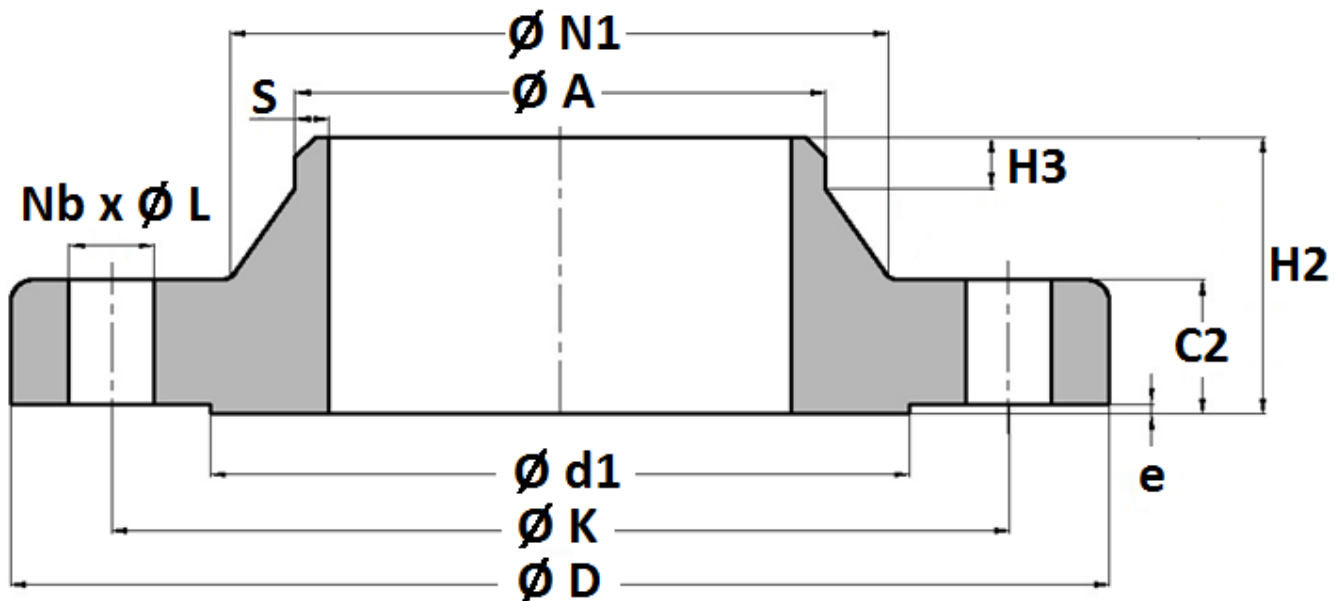
SIZE DN50-300 PN10/16 (in mm) :



DN	50	65	80	100	125	150	200	250	300
PN	PN10/16						PN16		
$\varnothing d1$	102	122	138	158	188	212	268	320	378
$\varnothing N1$	74	92	105	131	156	184	235	292	344
$\varnothing D$	165	185	200	220	250	285	340	405	460
$\varnothing K$	125	145	160	180	210	240	295	355	410
$\varnothing A$	60.3	76.1	88.9	115	141.4	167	219.1	273	323.9
Nb x $\varnothing L$	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
H2	45	45	50	52	55	55	62	70	78
H3	8	10	10	12	12	12	16	16	16
C2	18	18	20	20	22	22	24	26	28
e	3	3	3	3	3	3	3	3	4
S	2.9	2.9	3.2	3.6	4	4.5	6.3	6.3	7.1
Weig. (Kg)	2.53	2.9	3.77	4.62	6.3	7.81	11.5	16.7	22.1
Ref.	2100050	2100065	2100080	2100100	2100125	2100150	2100200	2100250	2100300

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SIZE DN250-400 (in mm) :



DN	250		300		350			400		
PN	PN25	PN40	PN25	PN40	PN16	PN25	PN40	PN16	PN25	PN40
Ø d1	335	345	395	410	438	450	465	490	505	535
Ø N1	298	306	352	362	390	398	408	445	452	462
Ø D	425	450	485	515	520	555	580	580	620	660
Ø K	370	385	430	450	470	490	510	525	550	585
Ø A	273	273	323.9	323.9	355.6	355.6	355.6	406.4	406.4	406.4
Nb x ØL	12 x 30	12 x 33	16 x 30	16 x 33	16 x 26	16 x 33	16 x 36	16 x 30	16 x 36	16 x 39
H2	88	105	92	115	82	100	125	85	110	135
H3	18	18	18	18	16	20	20	16	20	20
C2	32	38	34	42	30	38	46	32	40	50
e	3		4							
S	7.1		8					8	8.8	11
Weig. (Kg)	24	34	31.5	47.5	32	48	69	40	63	98
Ref.	2100251	2100256	2100301	2100306	2100350	2100351	2100356	2100400	2100401	2100406

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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

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