Weld-neck flanges

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Weld-neck flanges provide a bolted joint with a tapered hub that is welded to the pipe.

Application

Pressure pipework and serviceable equipment connections.

Configuration options

Different drilling standards, pressure classes, face types and material grades.

AS 2129 — Table E

Dimensions in millimetres unless the size label states otherwise. Hole count is a number, not a dimension.

Drilling reference only. Bore and thickness depend on flange form, material and matching pipe; a blind flange has no through-bore. Matching a bolt pattern does not establish a pressure rating.

Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN15	95	67	4	14
DN20	100	73	4	14
DN25	115	83	4	14
DN32	120	87	4	14
DN40	135	98	4	14
DN50	150	114	4	18
DN65	165	127	4	18
DN80	185	146	4	18
DN90	205	165	8	18
DN100	215	178	8	18
DN125	255	210	8	18
DN150	280	235	8	22
DN200	335	292	8	22
DN250	405	356	12	22
DN300	455	406	12	26
DN350	525	470	12	26
DN400	580	521	12	26
DN450	640	584	16	26
DN500	705	641	16	26
DN550	760	699	16	30
DN600	825	756	16	33

AS 2129 common sizes DN15–600. Outside diameter and drilling were compared across two published technical references. Any conflicting entry is withheld pending the mating-flange drawing. PE stub dimensions and backing-ring bore are separate. Other standards, Table J and unlisted sizes can be entered in the enquiry fields.

AS 2129 — Table D

Dimensions in millimetres unless the size label states otherwise. Hole count is a number, not a dimension.

Drilling reference only. Bore and thickness depend on flange form, material and matching pipe; a blind flange has no through-bore. Matching a bolt pattern does not establish a pressure rating.

Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN15	95	67	4	14
DN20	100	73	4	14
DN25	115	83	4	14
DN32	120	87	4	14
DN40	135	98	4	14
DN50	150	Confirm from drawing	4	Confirm from drawing
DN65	165	127	4	18
DN80	185	146	4	18
DN90	205	165	4	18
DN100	215	178	4	18
DN125	255	210	8	18
DN150	280	235	8	18
DN200	335	292	8	18
DN250	405	356	8	22
DN300	455	406	12	22
DN350	525	470	12	26
DN400	580	521	12	26
DN450	640	584	12	26
DN500	705	641	16	26
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AS 2129 — Table F

Dimensions in millimetres unless the size label states otherwise. Hole count is a number, not a dimension.

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Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN15	95	67	4	14

Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN20	100	73	4	14
DN25	120	87	4	18
DN32	135	98	4	18
DN40	140	105	4	18
DN50	165	127	4	18
DN65	185	146	8	18
DN80	205	165	8	18
DN90	215	178	8	18
DN100	230	191	8	18
DN125	280	235	8	22
DN150	305	260	12	22
DN200	370	324	12	22
DN250	430	381	12	26
DN300	490	438	16	26
DN350	550	495	16	30
DN400	610	552	20	30
DN450	675	610	20	33
DN500	735	673	24	33
DN550	785	724	24	33
DN600	850	781	24	36

AS 2129 common sizes DN15–600. Outside diameter and drilling were compared across two published technical references. Any conflicting entry is withheld pending the mating-flange drawing. PE stub dimensions and backing-ring bore are separate. Other standards, Table J and unlisted sizes can be entered in the enquiry fields.

AS 2129 — Table H

Dimensions in millimetres unless the size label states otherwise. Hole count is a number, not a dimension.

Drilling reference only. Bore and thickness depend on flange form, material and matching pipe; a blind flange has no through-bore. Matching a bolt pattern does not establish a pressure rating.

Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN15	115	83	4	18
DN20	115	83	4	18
DN25	120	87	4	18
DN32	135	98	4	18
DN40	140	105	4	18
DN50	165	127	4	18
DN65	185	146	8	18
DN80	205	165	8	18
DN90	215	178	8	18
DN100	230	191	8	18

Nominal size	Flange OD	PCD	Hole count	Hole Ø
DN125	280	235	8	22
DN150	305	260	12	22
DN200	370	324	12	22
DN250	430	381	12	26
DN300	490	438	16	26
DN350	550	495	16	30
DN400	610	552	20	30
DN450	675	610	20	33
DN500	735	673	24	33
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DN600	850	781	24	36

AS 2129 common sizes DN15–600. Outside diameter and drilling were compared across two published technical references. Any conflicting entry is withheld pending the mating-flange drawing. PE stub dimensions and backing-ring bore are separate. Other standards, Table J and unlisted sizes can be entered in the enquiry fields.

Details to include in your enquiry

Flange standard and pressure designation · Pipe bore and wall thickness · Face type, material and mating dimensions

Technical references

AS 2129 dimension reference — open reference · Drawing / dimensions · Confirm current revision with quotation

Table E cross-reference — open reference · Manufacturer / supplier reference · Confirm current revision with quotation

Table D cross-reference — open reference · Manufacturer / supplier reference · Confirm current revision with quotation

Table F cross-reference — open reference · Manufacturer / supplier reference · Confirm current revision with quotation

Table H cross-reference — open reference · Manufacturer / supplier reference · Confirm current revision with quotation