

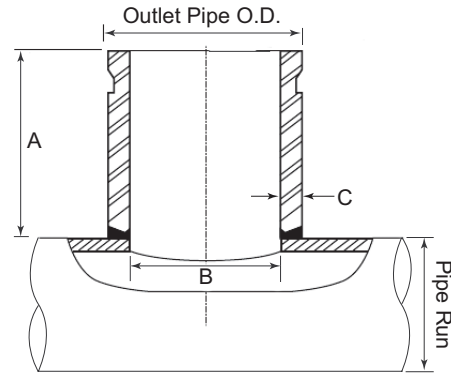


Welded Outlets (Grooved)

C

Technical Features

- **Sizes Available (Nominal) :**
Pipe Run : DN32/1 1/4" to DN200/8"
Outlet : DN25/1" to DN200
- **Pressure Data :**
Working pressure : 20.7 bar (300 psi)
Note : FM rated working pressure on schedule 5 pipe or less is 12.1 bar (175 psi)
- **Connections :** Weldable inlet and grooved outlet in accordance with ANSI/AWWA C606 (Ductile iron pipe and steel pipe) and metric pipe specifications
- **Specifications :** Forged steel according to ASTM A53, Grades A or B, Type E. For use on proprietary thin wall, and schedule 5, 10 and 40 pipe.
Note : References marked with # are not FM approved



Welded Outlets - C

Physical Data

Pipe Run Nominal Pipe Size		Outlet Nominal Pipe Size		Outlet Pipe O.D.	Dimensions (mm/inch)			Reference	Weight (kg/lbs)
metric	inch	metric	inch	(mm / inch)	A	B	C		
DN32	1 1/4"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100125150*	
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125125#	
DN40	1 1/2"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100150200**	
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125150	
DN50	2"	DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150150#	
		DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100200250***	0.25 / 0.55
DN50	2"	DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125200250	0.26 / 0.57
		DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150200	0.30 / 0.66
DN50	2"	DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200200#	0.41 / 0.90
		DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100250400	0.25 / 0.55
DN65	2 1/2"	DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125200250#	0.26 / 0.57
		DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150250	0.28 / 0.62
DN65	2 1/2"	DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200250	0.40 / 0.88
		DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250250#	0.60 / 1.32
DN80	3"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100250400#	0.25 / 0.55
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125300400	0.26 / 0.57
DN80	3"	DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150300400	0.29 / 0.64
		DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200300	0.40 / 0.88
DN80	3"	DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250300	0.60 / 1.32
		DN80	3"	88.9 / 3.50	80 / 3.0	83.0 / 3.260	3.0 / 0.120	C300300#	0.60 / 1.32
DN100	4"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100250400#	0.25 / 0.55
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125300400#	0.26 / 0.57
DN100	4"	DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150300400#	0.29 / 0.64
		DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200350400	0.39 / 0.86
DN100	4"	DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250350400	0.71 / 1.57
		DN80	3"	88.9 / 3.50	80 / 3.0	83.0 / 3.260	3.0 / 0.120	C300400	0.84 / 1.85
DN100	4"	DN100	4"	114.3 / 4.50	100 / 4.0	108.0 / 4.260	3.0 / 0.120	C400400#	1.69 / 3.73



Welded Outlets (Grooved)

C

Welded Outlets - C					Physical Data (b)				
Pipe Run Nominal Pipe Size		Outlet Nominal Pipe Size		Outlet Pipe O.D. (mm / inch)	Dimensions (mm/inch)			Reference	Weight (kg/lbs)
metric	inch	metric	inch		A	B	C		
DN120	5"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100500800	0.24 / 0.53
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125500800	0.24 / 0.53
		DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150500800	0.28 / 0.62
		DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200500	0.36 / 0.79
		DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250500	0.64 / 1.41
		DN80	3"	88.9 / 3.50	80 / 3.0	83.0 / 3.260	3.0 / 0.120	C300500	0.88 / 1.64
		DN100	4"	114.3 / 4.50	100 / 4.0	108.0 / 4.260	3.0 / 0.120	C400500	1.68 / 3.70
DN150	6"	DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100500800#	0.24 / 0.53
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125500800#	0.24 / 0.53
		DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150500800#	0.28 / 0.62
		DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200600	0.39 / 0.89
		DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250600	0.59 / 1.30
		DN80	3"	88.9 / 3.50	80 / 3.0	83.0 / 3.260	3.0 / 0.120	C300600	0.78 / 1.72
		DN100	4"	114.3 / 4.50	100 / 4.0	108.0 / 4.260	3.0 / 0.120	C400600	1.58 / 3.48
DN200	8"	DN150	6"	168.3 / 6.63	100 / 4.0	161.5 / 6.357	3.0 / 0.120	C600600#	
		DN25	1"	33.4 / 1.32	80 / 3.0	26.6 / 1.049	3.4 / 0.133	C100500800#	0.24 / 0.53
		DN32	1 1/4"	42.2 / 1.66	80 / 3.0	34.7 / 1.368	3.6 / 0.140	C125500800#	0.24 / 0.53
		DN40	1 1/2"	48.3 / 1.90	80 / 3.0	40.9 / 1.610	3.7 / 0.145	C150500800#	0.28 / 0.62
		DN50	2"	60.3 / 2.38	80 / 3.0	52.5 / 2.067	3.9 / 0.154	C200800	0.38 / 0.84
		DN65	2 1/2"	76.1 / 3.00	80 / 3.0	67.0 / 2.635	3.0 / 0.120	C250800	0.60 / 1.32
		DN80	3"	88.9 / 3.50	80 / 3.0	83.0 / 3.260	3.0 / 0.120	C300800	0.75 / 1.65
		DN100	4"	114.3 / 4.50	100 / 4.0	108.0 / 4.260	3.0 / 0.120	C400800	1.49 / 3.28
DN150	6"	168.3 / 6.63	100 / 4.0	161.5 / 6.357	3.0 / 0.120	C600800	1.49 / 3.28		
DN200	8"	219.1 / 8.63	100 / 4.0	212.0 / 8.329	3.0 / 0.120	C800800#			

Installation

The low weld volume design provides for either a partial or full penetration weld employing a single pass with minimum burn through and pipe distortion.

Note 1 : References marked # will have a slight gap of 0.79mm / 0.031" along the longitudinal centre line of the Pipe Run.

Note 2 : References marked * can also be used on a Pipe Run of DN40/1 1/2"

Note 3 : References marked ** can also be used on a Pipe Run of DN50/2"

Note 4 : References marked *** can also be used on a Pipe Run of DN65/2 1/2"