

SUBMITTAL DATA SHEET

NI_G_IN_00051.docx
Rev. -0 of 08/09/2023



NIRON CLIMA BUTT FUSION FITTING REDUCER LONG SPIGOT SDR 17



ITEM:	27NR_17MM
SIZE RANGE:	2½" x 2" (75 mm x 63 mm) ÷ 24" x 22" (630 mm x 560 mm)
SDR:	17
FUSION RANGE:	For Butt Fusion – SDR17 For Electrofusion – SDR17 and up
MATERIAL:	PP-RCT (Borealis RA 7050 beta crystalline random copolymer PP)
COLOR:	Steel Grey

INSTALLATION INSTRUCTIONS:

Butt fusion - Butt fitting in accordance with DVS 2207, ASTM D2657 and NUPI Niron Installation Manual

Electrofusion - Electrofusion in accordance with ASTM D2657 and NUPI Niron Installation Manual

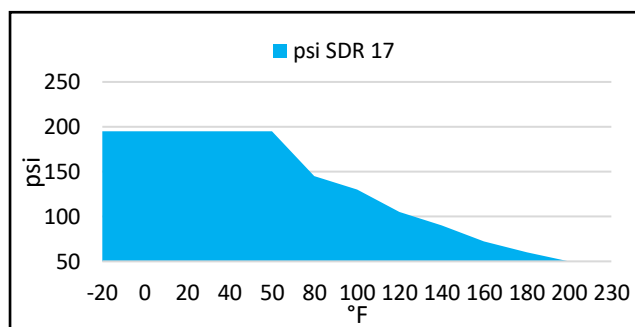
LISTINGS:

NSF PW; ANSI/NSF 14; ANSI/NSF 61; ANSI/NSF 51; UPC; IPC; IAPMO; ICC-ES

STANDARDS:

ANSI/NSF 14; ANSI/NSF 61; ASTM F2389; ASTM F2023; CSA B137,11; ASTM E-84***; CAN/ULC S102***; NSF 51; ISO 15874

MAXIMUM OPERATING PRESSURE:



For code or standard question pertaining to NIRON CLIMA Pipe and Fittings, contact Nupi Americas.

PRODUCT INFORMATION AND APPLICATION USE:

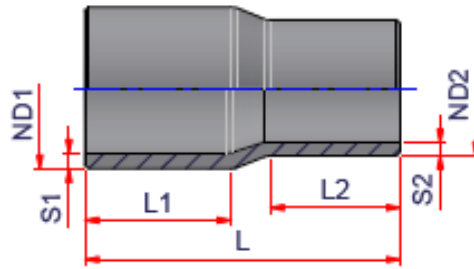
Niron Butt Fusion Fittings is designed to be joined by means of heat element butt fusion or electrofusion in accordance with the above listed installation instructions. Fittings are manufactured with extended plain ends on each outlet which a reinforced area in the center of the fitting for strength. The dimensions of the fittings are in accordance with the requirements of ASTM F2389. The fittings are designed to match the wall thickness and pressure ratings of the matching Niron pipe of the same SDR. Fittings are unitary and injection molded and are solid grey in color.



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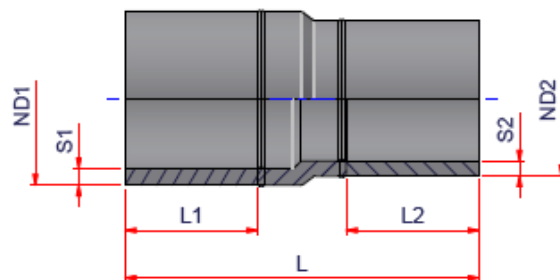
CODE	Weight lbs/pc	Volume ft ³ /pc	ND1	ND2	S1	S2	L1	L2	L
27NR756317MM	0.27	0.0202	2 1/2" => 75 mm	2" => 63 mm	0.18	0.15	2.8	2.52	5.9
27NR905017MM	0.334	0.0245	3" => 90 mm	1 1/2" => 50 mm	0.21	0.12	2.87	2.24	5.98
27NR906317MM	0.356	0.0242	3" => 90 mm	2" => 63 mm	0.21	0.15	2.8	2.24	5.9
27NR907517MM	0.446	0.0283	3" => 90 mm	2 1/2" => 75 mm	0.21	0.18	3.19	2.84	6.89
27NR1106317MM	0.581	0.0339	3 1/2" => 110 mm	2" => 63 mm	0.26	0.15	3.31	2.56	6.77
27NR1107517MM	0.657	0.0359	3 1/2" => 110 mm	2 1/2" => 75 mm	0.26	0.18	3.35	2.24	7.17
27NR1109017MM	0.662	0.0345	3 1/2" => 110 mm	3" => 90 mm	0.26	0.21	3.07	2.76	6.89
27NR1257517MM	0.882	0.0447	4" => 125 mm	2 1/2" => 75 mm	0.29	0.18	3.62	2.36	7.84
27NR1259017MM	0.858	0.0417	4" => 125 mm	3" => 90 mm	0.29	0.21	3.39	2.76	7.32
27NR12511017MM	0.952	0.0419	4" => 125 mm	3 1/2" => 110 mm	0.29	0.26	3.5	3.03	7.36
27NR1609017MM	1.593	0.066	6" => 160 mm	3" => 90 mm	0.37	0.21	4.21	3.54	9.05
27NR16011017MM	1.608	0.0617	6" => 160 mm	3 1/2" => 110 mm	0.37	0.26	4.06	3.46	8.46
27NR16012517MM	1.672	0.0615	6" => 160 mm	4" => 125 mm	0.37	0.29	4.02	3.58	8.43
27NR20016017MM	3.019	0.0861	8" => 200 mm	6" => 160 mm	0.47	0.37	4.65	3.98	9.45



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CODE	Weight lbs/pc	Volume ft ³ /pc	ND1	ND2	S1	S2	L1	L2	L
27NR25016017MMB	9.122	0.2243	10" => 250 mm	6" => 160 mm	0.58	0.37	9.65	6.89	19.69
27NR25020017MMB	9.889	0.2287	10" => 250 mm	8" => 200 mm	0.58	0.47	9.65	7.28	20.08
27NR31516017MMB	14.32	0.2854	12" => 315 mm	6" => 160 mm	0.74	0.37	9.84	6.89	19.88
27NR31520017MMB	15.213	0.2909	12" => 315 mm	8" => 200 mm	0.74	0.47	9.84	7.28	20.27
27NR31525017MMB	17.061	0.325	12" => 315 mm	10" => 250 mm	0.74	0.58	9.84	9.65	22.64
27NR35520017MMB	21.915	0.3724	14" => 355 mm	8" => 200 mm	0.83	0.47	12.59	7.28	23.02
27NR35525017MMB	23.747	0.4107	14" => 355 mm	10" => 250 mm	0.83	0.58	12.59	9.65	25.39
27NR35531517MMB	27.142	0.4138	14" => 355 mm	12" => 315 mm	0.83	0.74	12.59	9.84	25.58
27NR40025017MMB	29.385	0.4628	16" => 400 mm	10" => 250 mm	0.93	0.58	12.59	9.65	25.39
27NR40031517MMB	32.602	0.4662	16" => 400 mm	12" => 315 mm	0.93	0.74	12.59	9.84	25.58
27NR40035517MMB	37.443	0.5164	16" => 400 mm	14" => 355 mm	0.93	0.83	12.59	12.59	28.33
27NR45031517MMB	42.199	0.5522	18" => 450 mm	12" => 315 mm	1.05	0.74	13.15	9.84	26.93
27NR45035517MMB	47.007	0.6086	18" => 450 mm	14" => 355 mm	1.05	0.83	13.15	12.59	29.68
27NR45040017MMB	49.959	0.6086	18" => 450 mm	16" => 400 mm	1.05	0.93	13.15	12.59	29.68
27NR50035517MMB	58.938	0.7086	20" => 500 mm	14" => 355 mm	1.17	0.83	14.57	12.59	31.1
27NR50040017MMB	61.798	0.7086	20" => 500 mm	16" => 400 mm	1.17	0.93	14.57	12.59	31.1
27NR50045017MMB	66.59	0.7213	20" => 500 mm	18" => 450 mm	1.17	1.05	14.57	13.15	31.66
27NR56040017MMB	78.156	0.8237	22" => 560 mm	16" => 400 mm	1.31	0.93	15.75	12.59	32.28
27NR56045017MMB	82.608	0.838	22" => 560 mm	18" => 450 mm	1.31	1.05	15.75	13.15	32.84
27NR56050017MMB	90.019	0.8742	22" => 560 mm	20" => 500 mm	1.31	1.17	15.75	14.57	34.26
27NR63045017MMB	112.616	0.9898	24" => 630 mm	18" => 450 mm	1.47	1.31	16.61	13.15	34.48
27NR63050017MMB	113.281	1.0306	24" => 630 mm	20" => 500 mm	1.47	1.17	16.61	14.57	35.9
27NR63056017MMB	122.791	1.0645	24" => 630 mm	22" => 560 mm	1.47	1.31	16.61	15.75	37.08

MANUFACTURER'S WARRANTY:

Thirty (30) Years from the date of sale upon successful completion of pressure test of the piping system (refer to published warranty for complete details).

NOTE:

* More information can be found on NIRON TECHNICAL CATALOGUE

*** In order for Niron pipe and fittings to meet E-84 and/or CAN/ULC S102.2 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 fiberglass insulation

**** Technical Data may undergo dimensional changes, check revision at the top



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