



شركة صناعات المنتجات الجديدة المحدودة  
NEW PRODUCTS INDUSTRIES CO. LTD.

## PVC Drain-Waste-Vent (DWV) ASTM Fittings

For Drainage Systems



Only products  
bearing the NSF mark  
are certified



Intertek



التوزيع من قبل شركة المؤسسة الوطنية للتسويق المحدودة

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# ●●● Certifications



- 1 Intertek: ISO 9001 : 2015
- 2 Intertek: ISO 45001 : 2018
- 3 NSF Product & Service Listings "ONLY PRODUCTS BEARING THE NSF MARK ARE CERTIFIED"

# ●●● I. Standards

PVC is the most frequently specified of all thermoplastic materials. It has been used successfully for over 50 years in such areas as Potable Drinking Water System, Chemical Processing, Industrial Plating, Chilled Water Distribution, Deionized Water Lines, Chemical Drainage and Irrigation System. PVC is characterized by robust high physical properties and resistance to corrosion and chemical attack by acids, alkalies, salt solutions and many other chemicals it is attacked, however, by polar solvents such as ketones, some chlorinated hydrocarbons and aromatics. The maximum service temperature of PVC is 60°C. With a design stress of 2,000 psi, PVC has the highest long-term hydrostatic strength at 23°C of any of the major thermoplastics being used for piping systems. PVC is joined by solvent cementing, threading, flanging and rubber ring sockets.

## ASTM STANDARDS D 2665 AND D 3311

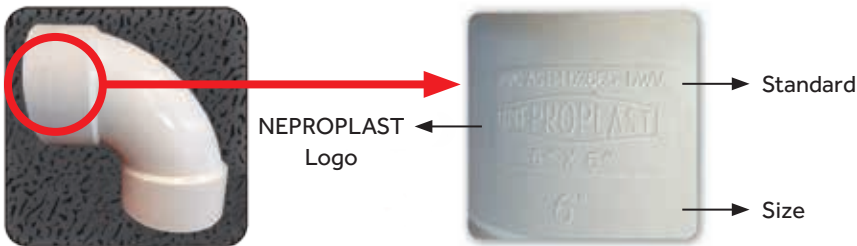
NEPROPLAST PVC DWV Fittings are manufactured and tested according to ASTM D 2665, Geometric NEPROPLAST PVC DWV Fittings conformed to ASTM D 3311.

### COLOR

NEPROPLAST PVC DWV Fittings Color - White

### MARKING

NEPROPLAST PVC DWV Fittings are marked as specified in the ASTM Standard indicating Manufacturer Name Standard Size, Type and NEPROPLAST Logo or pipe insertion size

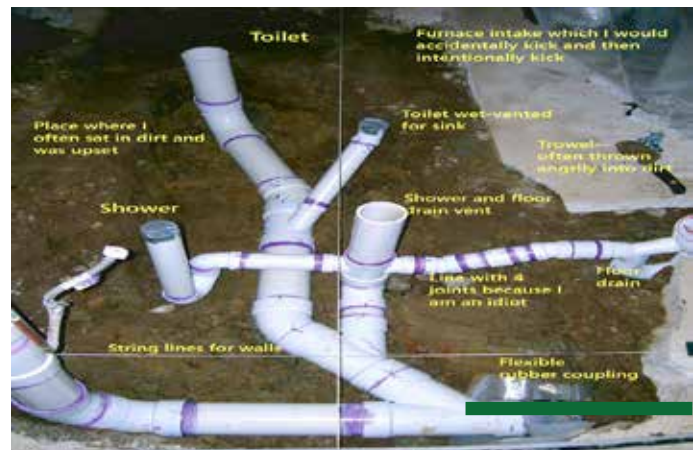


### APPROVAL

NSF Standard 61 was developed to establish minimum requirements for the control of potential adverse human health effects from products which contact drinking water. This standard completes the performance requirements that are contained within ASTM product standards. NEPROPLAST PVC & CPVC fitting products intended for potable water application have been tested and certified by a third - party agency for material compliance to NSF Standard 61.

### JOINTING

NEPROPLAST PVC DWV Fittings are socket type for solvent cement jointing.



## ●●● II. Solvent Cement Welding

This method of joining is very simple and reliable if it is followed correctly, but any deviations from the recommended basic steps may reduce the strength and integrity of the joint. The procedures for preparation, insertion and curing should be followed very carefully. For further details consult the office of National Marketing Est. Co. Ltd.

### Wheel Cutter



- A. Pipe must be cut square (90° angle) using a miter box saw or a plastic pipe cutter.
- B. All burrs or raised beads from the end of the pipe must be removed
- C. Pipe edge must be bevelled

### PRIMER APPLICATION (Fitting-Pipe-Fitting)



Primer Application



Primer Application



Primer Application

### SOLVENT CEMENT APPLICATION (Pipe-Fitting-Pipe)



Solvent Cement Application



Solvent Cement Application



Solvent Cement Application

### SAFETY PRECAUTIONS

Solvent cement and primer contains highly volatile solvents. use them in a well ventilated area, keep away from naked flames, avoid smoking, switch off unprotected electrical apparatus and electric heaters, discontinue any welding operation, observe all instructions issued by solvent cement manufacturer and always obey the safety regulation issued by the authorities responsible.

## ●●● III. Advantages of NEPROPLAST PVC DWV Fittings



### CORROSION RESISTANCE

NEPROPLAST PVC DWV Fittings being a non-conductor and non-metallic, resists all types of galvanic and electro-mechanical influences, all types of corrosion caused by water, industrial liquids and chemicals. Thus increasing the life time of installed DWV piping system.

### RESISTANCE TO BIOLOGICAL ATTACK AND BACTERIA GROWTH

NEPROPLAST PVC DWV Fittings are resistant to any microscopic life that they might be exposed to. They do not offer a nourishing source to any bacteria life form and are completely guaranteed to support any such growth.

### RESISTANCE TO ABRASION

NEPROPLAST PVC DWV Fittings are highly resistant to abrasion due to stress from abrasion fluids of excessive pressure. Tests have shown that DWV Piping System are up to 2.5 times more resistant to abrasion when compared to steel.



#### REACTION WITH BUILDING MATERIALS

NEPROPLAST PVC DWV Fittings do not react with any of the normal building materials like cements and paints. However, information about chemical resistance of NEPROPLAST Fittings to a wide range of chemicals can be found in the tables of chemicals resistance list, Please consult with National Marketing Est. Co. Ltd. office.

#### EFFECT OF SUNLIGHT

Long exposure to direct sunlight causes the color of NEPROPLAST PVC DWV Fittings to fade, in addition to the reduction of impact strength. The effect of sunlight does not seriously affect the performance of the system, however it is always advisable to protect the system from the direct exposure to sunlight.

#### EFFECT OF FROST

NEPROPLAST PVC DWV Fittings are not affected by frost, however sub-zero temperature reduce the impact strength of the DWV system. Therefore, extra care is to be given while handling and installing PVC piping system during sub-zero temperatures.

#### FIRE PROOF AND FLAMABILITY

NEPROPLAST PVC DWV Fittings do not support combustion and are self extinguishing as per BS2782. Pipes systems will not burn unless an external flame source is applied. NEPROPLAST PVC DWV Fittings are non-toxic and will not affect taste, smell or color of drinking water or any other liquid. Extensive tests on fittings compounds prove their outstanding fire performance.

#### EASE OF HANDLING DURING INSTALLATION AND MAINTENANCE

## IV. Physical Properties

Table No. 1.0

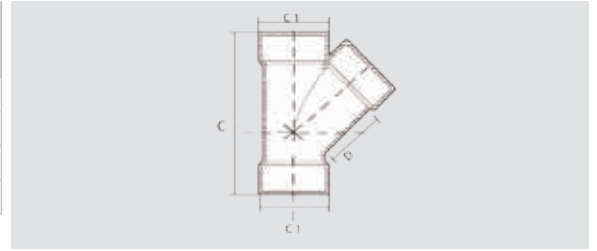
	UNIT	PVC	ASTM TEST
Specific Gravity	g/cc	1.40 - 1.43	D-792
Cell Designation		12454B	D-1784
<b>MECHANICAL</b>			
Izod Impact @ 23°C (73°F)	J/m of notch	34.7	D-256
	ft. lb/in of notch	0.65	
Tensile Strength @ 23°C (73°F)	Mpa	48.3	D-638
	Psi	7000	
Modulus of Elasticity in Tension @ 23°C (73°F)	Mpa	2758	D-638
	Psi	400.000	
Flexural Strength @ 23°C (73°F)	Mpa	87.6	D-790
	Psi	12700	
Relative Hardness @ 23°C (73°F)	Rockwell "R"	120	D-785
<b>THERMODYNAMICS</b>			
Thermal Conductivity	Wm/°k	0.17	ASTM C177
	Btu.in/hr/ft <sup>2</sup> /°F	1.2	
Heat Deflection Temperature @ 1.82 Mpa (264 psi)	°C	71.1	ASTM D-648
	°F	160	
Maximum Operating Temperature	°C	60	
	°F	140	
<b>ELECTRICAL</b>			
Dielectric Strength	KV	55	D-147
	mm		
	V		
	Mil	1400	
Volume Resistivity @ 23°C (73°F)	Ohm-cm	3.5x10 <sup>15</sup> "	D-257
	Ohm-inch	899x10 <sup>12</sup> "	

# V. NEPROPLAST PVC DWV Fittings

## WYE 45° (All Hub)



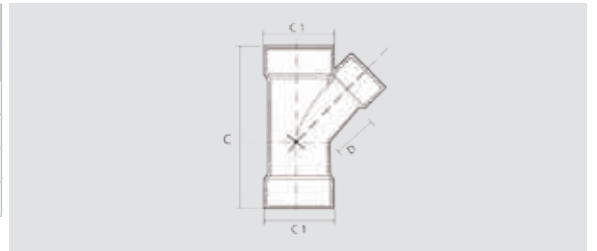
Size (inch)	Ordering Code #	C	C1	D
		mm	mm	mm
2	126SNWY2	165.50	69.01	111.31
3	126SNVY3	244.50	00.53	124.00
4	126SNWY4	292.90	26.80	204.15
6	126SNVY6	409.40	83.30	214.20



## WYE 45° Reducing (All Hub)



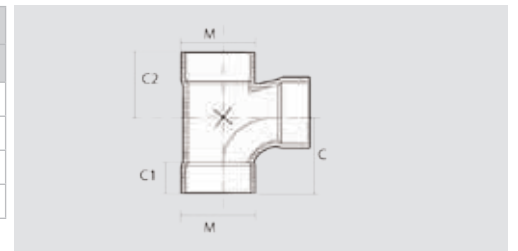
Size (inch)	Ordering Code #	C	C1	D
		mm	mm	mm
3x3x2	126SNVY3x2	203.00	100.53	119.90
4x4x2	126SNVY4x2	216.90	127.70	140.50
4x4x3	126SNVY4x3	255.90	127.70	151.50
6x6x4	126SNVY6x4	329.40	183.30	190.00



## Sanitary TEE 90° (All Hub)



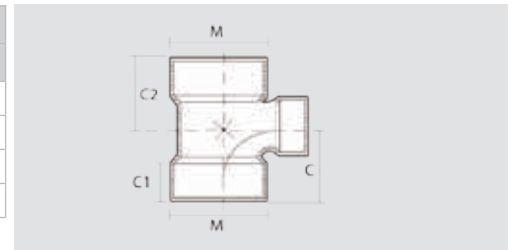
Size (inch)	Ordering Code #	C	C1	C2	M
		mm	mm	mm	mm
2	126SNVT2	78.50	20.00	54.50	68.95
3	126SNVT3	116.50	38.50	100.73	84.00
4	126SNVT4	141.95	44.45	127.70	100.95
6	126SNVT6	202.70	76.20	183.30	164.70



## Sanitary TEE Reducing 90°



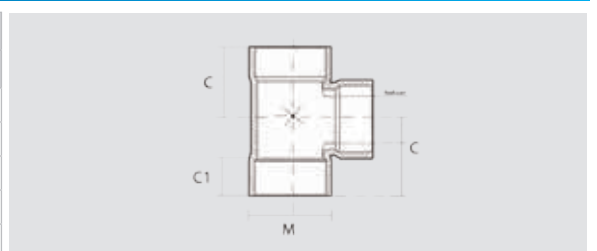
Size (inch)	Ordering Code #	C	C1	C2	M
		mm	mm	mm	mm
3x3x2	126SNVT3x2	92.00	38.50	68.00	100.73
4x4x2	126SNVT4x2	95.95	44.45	72.95	127.70
4x4x3	126SNVT4x3	119.95	44.45	87.95	127.70
6x6x4	126SNVT6x4	169.20	76.20	134.20	183.30



## Short TEE (All Hub)



Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
3	126SNWT3	85.00	38.30	100.60
4	126SNWT4	110.40	51.00	127.06
6	126SNWT6	76.20	165.20	183.05
4X4X2	126SNWT4x2	50.80	165.20	126.80
6x6x4*	126SNWT6x4	76.20	165.20	183.05

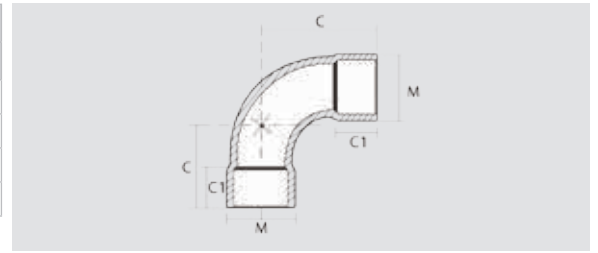


## NEPROPLAST PVC DWV Fittings

## Sanitary Elbow 90° (All Hub)



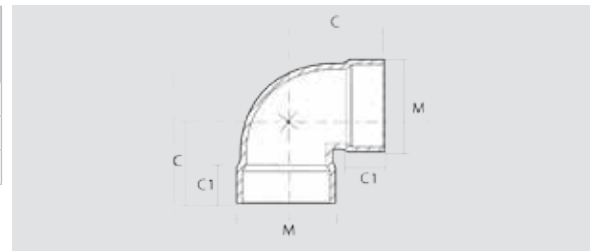
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
2	126SNVG2	79.00	20.00	68.95
3	126SNVG3	116.50	38.50	100.73
4	126SNVG4	142.45	44.45	127.70
6	126SNVG6	203.20	76.20	183.30



## Short Elbow 90° (All Hub)



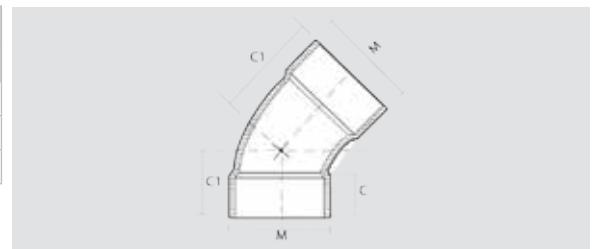
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
3	126SNWG3	95.20	47.60	120.28
4	126SNWG4	109.44	51.50	127.40
6	126SNWG6	169.00	76.50	183.60



## Sanitary Elbow 45° (All Hub)



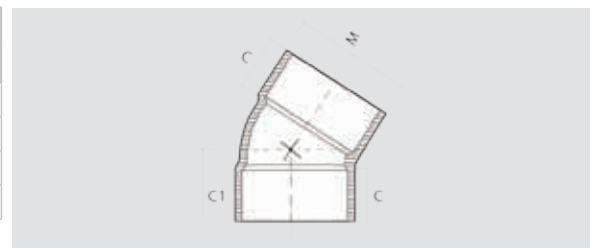
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
2	126SNVH2	20.00	58.00	68.95
3	126SNVH3	38.50	82.50	100.73
4	126SNVH4	45.00	101.00	127.50



## Short Elbow 45° (All Hub)



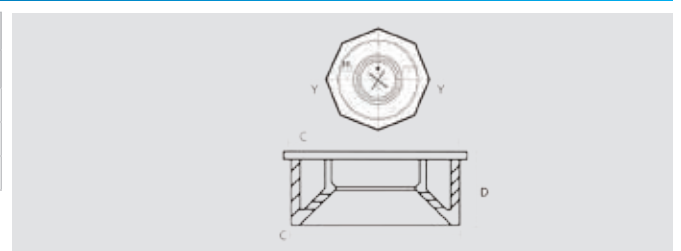
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
2	126SNWH2	30.00	45.60	68.95
3	126SNWH3	47.60	70.00	100.20
4	126SNWH4	110.40	97.10	127.05
6	126SNWH6	77.00	160.00	183.50



## Reducer Flush Bushing (Spig x Hub)



Size (inch)	Ordering Code #	C	D
		mm	mm
3x2	126SNVR3x2	88.80	44.10
4x2	126SNVR4x2	114.20	51.20
6x4	126SNVR6x4	168.50	85.00

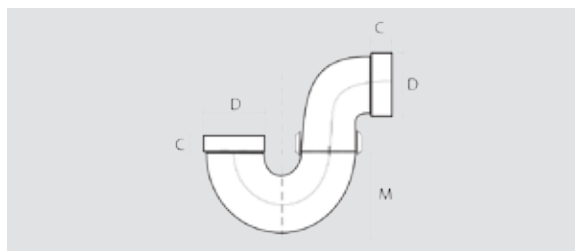


## NEPROPLAST PVC DWV Fittings

### P-Trap Long (All Hub)



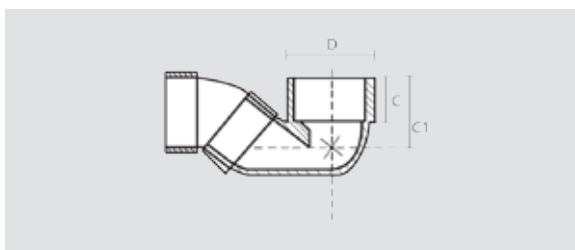
Size (inch)	Ordering Code #	C	D	M
		mm	mm	mm
2	126SNVPT2	21.00	68.70	109.20
3	126SNVPT3	39.00	100.53	161.00
4	126SNVPT4	45.00	127.50	193.00



### P-Trap Short (All Hub)



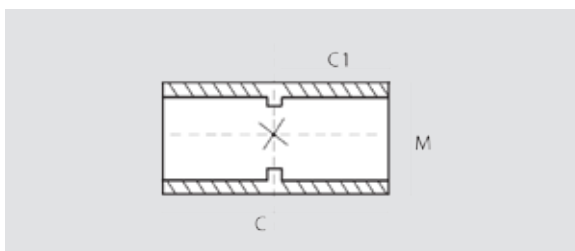
Size (inch)	Ordering Code #	C	C1	D
		mm	mm	mm
4	126SNWPT4	51.80	45.80	127.05
110 mm	126SNWPT110	51.80	45.80	127.05
110/4	126SNWPT4.4	58.05	47.00	127.05



### Couplings



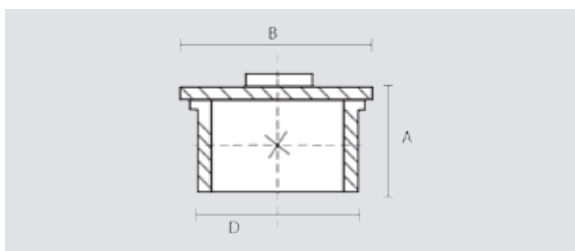
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
3	126SNVM3	101.6	48.0	100.6
4	126SNWM4	107.8	51.0	127.5
6	126SNWM6	162.5	77.5	183.3
8	126SNWM8	211.90	102.6	236.66



### Access Cap and Plug



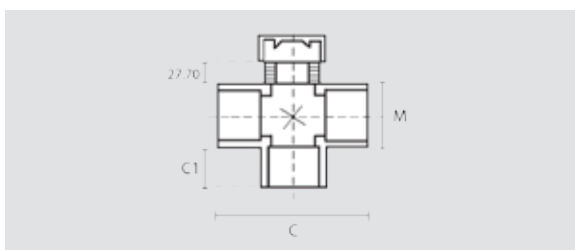
Size (inch)	Ordering Code #	A	B	D
		mm	mm	mm
2	126SNWAP2	49.15	70.65	59.90
3	126SNWAP3	59.70	98.10	88.90
4	126SNWAP4	71.65	125.85	112.00
6	126SNWAP6	113.75	187.80	168.50



### Vent TEE 90°



Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
4	126SNWAT4	221.60	51.05	127.65



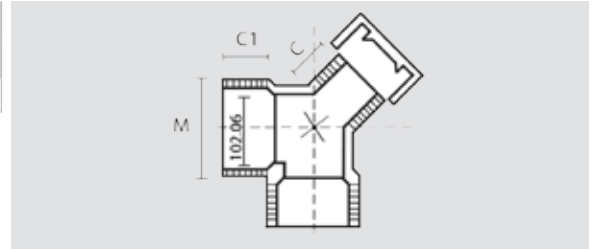


## NEPROPLAST PVC DWV Fittings

## Vent Elbow 90°



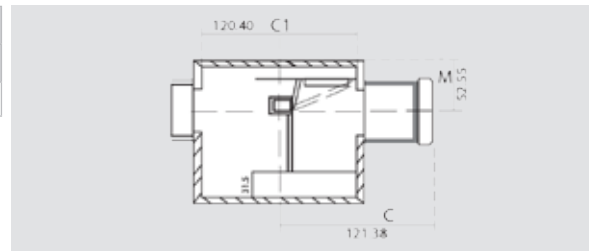
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
4	126SNWAG4	27.00	51.70	126.85



## Floor Gulley



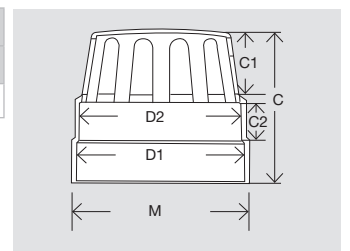
Size (inch)	Ordering Code #	C	C1	D
		mm	mm	mm
2x11/2	126SNWFG2x112	121.35	120.40	52.55



## Vent Short



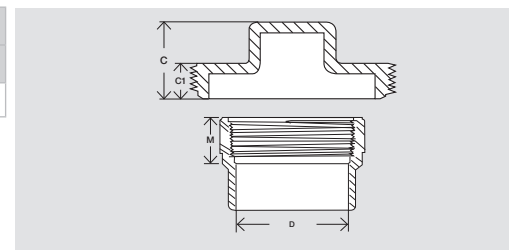
Size (mm x inch)	Ordering Code #	D1	D2	C	C1	C2	M
		mm	mm	mm	mm	mm	mm
110 x 4	SNWCH4/110	114.07	110.05	115	41.5	30	121.21



## Access Cap &amp; Plug



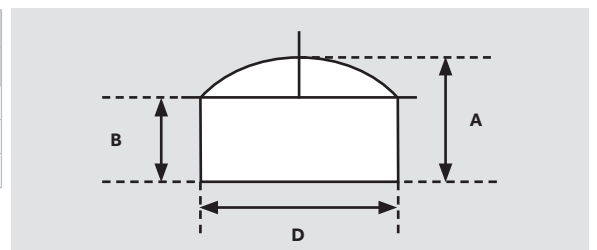
Size (inch)	Ordering Code #	D	C	C1	M
		mm	mm	mm	mm
4	SNVAP4	101.4	47.2	22.2	45



## PVC Cap



Size (inch)	Ordering Code #	A	B	D
		mm	mm	mm
3	126SNWC3	60.0	38.4	100.6
4	126SNWC4	69.0	45.0	127.6
6	126SNWC6	120.0	76.5	183.2

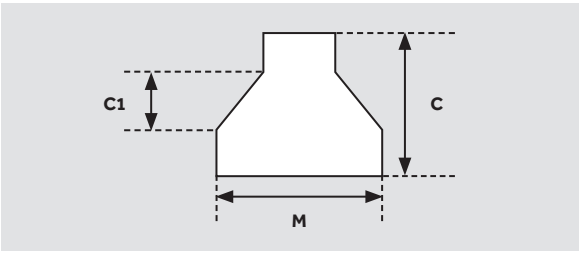


# NEPROPLAST PVC DWV Fittings

## Reducing Coupling



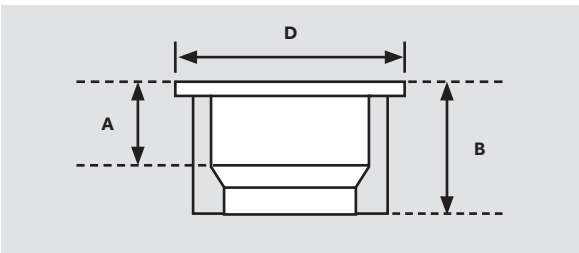
Size (inch)	Ordering Code #	C	C1	M
		mm	mm	mm
4x2	126SNVMR4X2	104.0	36.5	127.6
4x3	126SNVMR4X3	111.0	24.5	127.6
3x2	126SNVMR3X2	83.5	22.5	101.01



## Reducing Bush



Size (inch)	Ordering Code #	A	B	D
		mm	mm	mm
4x3	126SNVR4X2	42.6	53.4	115.6



### NOTES

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Manufacturing Plant

### New Products Industries Co. Ltd.

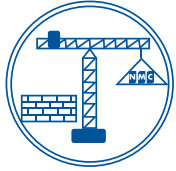
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شركة صناعات المنتجات الجديده المحدودة  
NEW PRODUCTS INDUSTRIES CO. LTD.



## قطع نيبروبلاست لتوصيلات الصرف الصحي (DWV) بي في سي الأمريكية



لأنظمة الصرف الصحي



التوزيع من قبل شركة المؤسسة الوطنية للتسويق المحدودة  
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