



viadux
SCHEDULE 80
uPVC PRESSURE PIPE SYSTEM

SCHEDULE 80

uPVC PRESSURE PIPE SYSTEM

INTRODUCTION

uPVC (un-plasticised Poly Vinyl Chloride) is a light and flexible thermoplastic with excellent corrosion resistance. These properties and high engineering design values make it an ideal material for many and varied application. Sched 80 uPVC can realise substantial installation and ongoing savings to installations across all industries.

APPLICATIONS

Sched 80 uPVC pipe systems have been in service for over 50 years they have provided a versatile and dependable replacement to metallic pipe systems throughout industry and building services. Today uPVC pipe systems are the preferred option for many everyday applications. Backed by industry standards and third party certification, uPVC pipe systems deliver outstanding solutions to engineers, contractors and end users.

CORROSION RESISTANT PRESSURE PIPE RESISTANT TO MOST ACIDS, BASES, SALTS, ALIPHATIC SOLUTIONS AND OXIDANTS

Schedule 80 uPVC

cannot rust and is not subject to electrolysis. The correct installation of Schedule 80 uPVC will ensure years of trouble free operation.

MAINTENANCE FREE SERVICE

PVC can be buried and will not be affected by soil conditions or galvanic corrosion.

Painting is not required for indoor installation. When exposed to significant sunlight we recommend the system be painted. Two coats of white, water based, outdoor paint will provide suitable protection.

TEMPERATURE

Schedule 80 uPVC can be used at temperatures up to 60°C (see temperature de-rating chart).

CHEMICAL RESISTANCE

Schedule 80 uPVC is highly resistant to acids, alkalis and many corrosive materials. It is ideal for chemical process piping and general service installation. Please consult chemical resistance chart or your local representative.

uPVC GREY SCH 80 PIPE STANDARD LENGTH 6 METRE

SIZE	Code	ID mm	OD mm	WALL
15 (1/2")	R32.613.015	13.9	21.3	3.2
20 (3/4")	R32.613.020	18.9	25.7	3.7
25 (1")	R32.613.025	24.4	33.4	4.5
32 (1 1/4")	R32.613.032	32.6	42.2	4.8
40 (1 1/2")	R32.613.040	38.3	48.3	5
50 (2")	R32.613.050	49.3	60.3	5.5
65 (2 1/2")	R32.613.065	59.0	73.0	7.0
80 (3")	R32.613.080	73.7	88.9	7.6
100 (4")	R32.613.100	97.3	114.3	8.5
150 (6")	R32.613.150	146.5	168.3	10.9
200 (8")	R32.613.200	193.6	219.0	12.7

PRESSURE RATING OF PIPE AT SERVICE TEMPERATURES - BAR

SIZE	23°C	32°C	38°C	43°C	48°C	54°C	60°C
15 (1/2")	55 bar	43 bar	36 bar	29 bar	23 bar	17 bar	12 bar
20 (3/4")	47	35	29	23	18	14	10
25 (1")	43	32	26	21	17	13	9
32 (1 1/4")	35	26	22	17	14	10	7
40 (1 1/2")	32	24	20	16	12	9	7
50 (2")	27	20	17	13	11	8	6
65 (2 1/2")	29	21	18	14	11	8	6
80 (3")	25	19	16	12	10	7	5
100 (4")	22	16	13	11	8	6	4
150 (6")	19	14	11	9	7	5	4
200 (8")	17	12	10	8	6	5	3

1. Pressure ratings at 23°C are rounded from calculated values

2. Pressure ratings are for uPVC 12454-B pipe and are calculated from experimental long term strength of uPVC extrusion compounds. Moulding compound properties may differ from pipe compounds. Therefore systems combining pipe and moulded fittings may have lower pressure ratings than those shown in the above table. This is particularly likely at elevated temperatures above 40°C.

3. When valves, flanges and other components are added to the system the system must be re-rated to take these components ratings into account.

SCHEDULE 80 PIPE & FITTINGS

uPVC PIPELINE SYSTEMS

DESIGN

PIPE EXPANSION - ABOVE GROUND

Pipe expansion of a cold solvent cement welded pipeline may be accommodated using any one or combination of the following techniques:

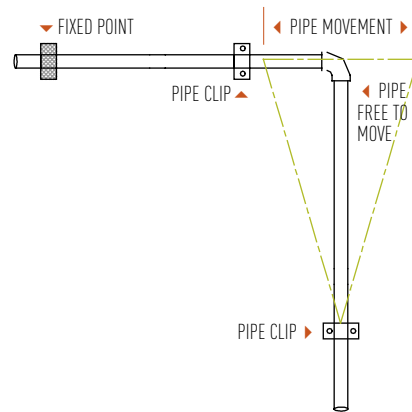
- Pipe route planning
- Expansion loops
- Expansion joints (rubber bellows)
- Pipe wall stressing

PIPE ROUTE PLANNING

In the vast majority of cases, effective route planning can eliminate the requirement of expansion loops, or expansion bellows etc with consequent financial savings.

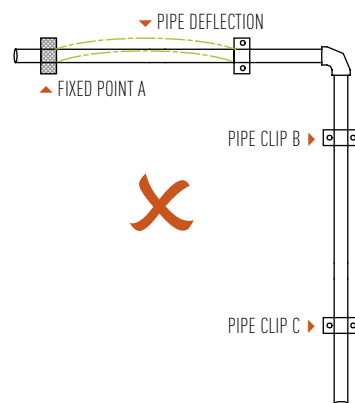
The basic principle of design is to allow pipe runs to move axially from a fixed point (anchor) and then guide this movement into a change of pipe direction ensuring that the pipe is free to flex as shown in figure 1.

FIGURE 1



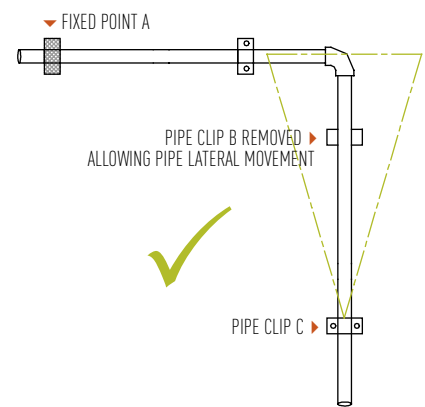
An inappropriate installation is shown in figure 2. The pipe run is fixed at one end (A) and constrained at the other (B). As the temperature increases the pipe will try to expand but will have nowhere to go as the ends are constrained by clip (B). Thus the pipe will 'snake' between supports as indicated.

FIGURE 2



In figure 3 effective route leg planning has eliminated the need for expansion loops etc by a simple redesign of pipe supports. By utilising a suitable pipe support to allow free lateral pipe movement, the pipe can be installed with sufficient flexibility to expand and contract. The support at (C) remains but the clip at pipe support (B) is eliminated to give sufficient length for flexibility.

FIGURE 3



SCHEDULE 80 PIPE & FITTINGS

uPVC PIPELINE SYSTEMS

JOINTING

SOLVENT WELDING EQUIPMENT

- Pipe Cutter or Saw
- Chamfering Tool or File
- Felt Tip Pen
- Paper Towel or Clean Cloth
- Applicator or Brush
- Tape measure
- IPS Primer and Cement

SOLVENT WELDING CONDITIONS

Cementing should be carried out in dry conditions at temperatures between 5°C and 40°C. Avoid cementing in direct sunlight and windy conditions.

Store Cement and Primer safely in cool dry location

Cement and Primer is flammable keep away from naked flame and sparks from adjacent equipment.

SOLVENT WELDING PROCESS

- Make sure pipe is clean of any dust moisture or grease. Wipe with clean dry cloth
- Shake the IPS724 cement tin to ensure it is well mixed.
- Cut pipe to required length making sure that the cut is square.
- Chamfer end
- Mark socket depth witness mark and second witness mark on pipe.
- Apply IPS P70 primer to pipe and socket. Vigorously work primer in to the surfaces to soften. This is critical to the solvent weld process.
- Without delay shake cement tin again. Open lid and commence application of cement to the joining surfaces of pipe and socket. You will require two coats to the pipe and a single lighter coat to the socket of the fitting.
- Quickly insert pipe (squarely) to the fitting socket.
- Check pipe insertion against witness mark.
- You should observe a uniform bead around the outside of the fitting hub. There will be a tendency for the pipe to push back – hold firmly in place to allow the cement to set (30 second to 1 minute).
- Remove excess cement
- Leave undisturbed to set firm
- Allow 24 hours before pressure testing

If in doubt contact your Viadux representative.

SCHEDULE 80 PIPE & FITTINGS

uPVC PIPELINE SYSTEMS

INSTALLATION

PIPE SUPPORT

The basic principle of correct pipe support is to allow controlled axial movement of the pipe while providing lateral restraint and adequate support for the pipe.

The hanger type support does not provide lateral restraint to the pipe and therefore encourages snaking and so should be avoided except where located adjacent to the changes in direction where flexibility may be required.

Thus pipe supports should:

- Be rigid in construction to adequately support pipe (fabricated mild steel angle being ideal).
- Have a wide bearing area, to allow pipe to move easily over support.
- Resist deflection, thus transferring loads to the structure.
- Be free from sharp burrs or edges to avoid cutting or damaging pipe wall.
- Allow controlled axial movement of the pipe.
- Provide lateral restraint, where required.

Pipe clips should:

- Allow controlled axial pipe movement
- Be free from burrs or sharp edges
- Provide required lateral restraint
- All clips shall be corrosion- resistant.

- Pipe clips, other than anchor clips shall be so constructed that, when they are securely fixed, longitudinal movement of the pipe is permitted.
- Anchor clips for fixed points shall be constructed so that when they are tightened, the fitting or pipe is securely and evenly clamped to prevent movement. The bearing width shall be 25 mm minimum.
- Metal clips shall be used in conjunction with resilient material to protect the pipe and shall have a finished clearance across the diameter to allow for radial and longitudinal movement. All materials shall be compatible with Schedule 80 uPVC and be smooth and free from protrusions.

Viadux stock a range of suitable pipe clips for pipe sizes up to DN 200. For sizes DN 225 and above fabricated mild steel clips with a radial clearance as per the following table are suitable.

Pipe diameter	Minimum clearance
Up to DN 150	2 mm
DN 200 - DN 450	5 mm
DN 500 - DN 750	10 mm



SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

INSTALLATION

PIPE CLAMPS

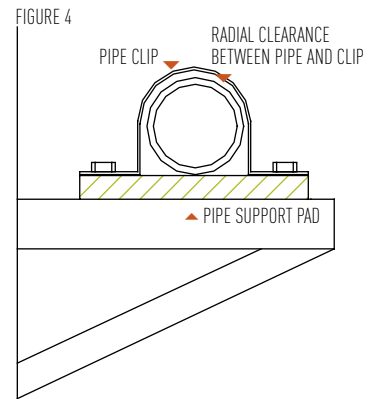
It is essential that plastic pipes be adequately supported. This will avoid sagging and unnecessary stress. The table below provides guidance on clip spacing. It is important to select pipe clips that allow pipe to expand and contract. Viadux offer a range of pipe clips designed specifically for plastic pipe systems.

SIZE (DN)	16°C	27°C	38°C	50°C	60°C
15 (1/2")	1500	1350	1400	900	750
20 (3/4")	1650	1550	1400	900	750
25 (1")	1850	1650	1550	1050	900
32 (1 1/4")	1850	1850	1700	750	900
40 (1 1/2")	2000	1850	1700	1050	1050
50 (2")	2150	2000	1850	1200	1050
65 (2 1/2")	2300	2300	2000	1400	1200
80 (3")	2500	2300	2150	1400	1200
100 (4")	2750	2600	2300	1550	1350
150 (6")	3050	2900	2750	1850	1550
200 (8")	3350	3200	2900	2000	1700

Spacing in mm

PIPE SUPPORT PADS

The use of pipe support pads between pipe and support is strongly recommended where there is likely to be considerable movement of the pipe or chafing of the pipe from vibration. High density polyethylene sheet 6 - 10 mm is suitable for this purpose and should be installed as indicated in figure 4.



Width of pipe supports must be sufficient to allow free axial movement of the pipe without binding.

The following table gives recommended pipe support widths.

Pipe Diameter	Minimum support width
Up to DN 300	25 mm
DN 350 - DN 375	60 mm
DN 400 - DN 450	100 mm
DN 500 - DN 750	300 mm

SCHEDULE 80 PIPE

uPVC PIPELINE SYSTEMS

SCH 80 PVC - U PIPE

PIPE

CODE	DESCRIPTION	SIZE
R32.613.015	1/2" PIPE 5.8M PVC-U SCH80	1/2"
R32.613.020	3/4" PIPE 5.8M PVC-U SCH80	3/4"
R32.613.025	1" PIPE 5.8M PVC-U SCH80	1"
R32.613.032	1 1/4" PIPE 5.8M PVC-U SCH80	1 1/4"
R32.613.040	1 1/2" PIPE 5.8M PVC-U SCH80	1 1/2"
R32.613.050	2" PIPE 5.8M PVC-U SCH80	2"
R32.613.065	2 1/2" PIPE 5.8M PVC-U SCH80	2 1/2"
R32.613.080	3" PIPE 5.8M PVC-U SCH80	3"
R32.613.100	4" PIPE 5.8M PVC-U SCH80	4"
R32.613.150	6" PIPE 5.8M PVC-U SCH80	6"
R32.613.200	8" PIPE 5.8M PVC-U SCH80	8"
R32.613.250	10" PIPE 5.8M PVC-U SCH80	10"



FEATURES

Conforms to ASTM D- 1785, Type 1, Grade 1

All PVC piping is produced from NSF approved compounds conforming to ASTM D- 1784

Standard length 20' (6m)

Handles temperatures up to 140°F (60°C)

Not affected by soil in buried applications

Contains UV stabilisers TiO₂ and Carbon Black

Economical to install and maintain

IPS-sized (inches) 1/8-24"

Can be threaded (recommend Schedule 80 or greater)

Normally grey in colour

Manufactured in the USA

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

ELBOWS



ELBOW 90°—SOC x SOC

CODE	DESCRIPTION	SIZE
R32.115.015	1/2" ELB 90DEG PVC-U SCH80 SWJ	1/2"
R32.115.020	3/4" ELB 90DEG PVC-U SCH80 SWJ	3/4"
R32.115.025	1" ELB 90DEG PVC-U SCH80 SWJ	1"
R32.115.032	1 1/4" ELB 90DEG PVC-U SCH80 SWJ	1 1/4"
R32.115.040	1 1/2" ELB 90DEG PVC-U SCH80 SWJ	1 1/2"
R32.115.050	2" ELB 90DEG PVC-U SCH80 SWJ	2"
R32.115.065	2 1/2" ELB 90DEG PVC-U SCH80 SWJ	2 1/2"
R32.115.080	3" ELB 90DEG PVC-U SCH80 SWJ	3"
R32.115.100	4" ELB 90DEG PVC-U SCH80 SWJ	4"
R32.115.150	6" ELB 90DEG PVC-U SCH80 SWJ	6"
R32.115.200	8" ELB 90DEG PVC-U SCH80 SWJ	8"



ELBOW 90° SWEEP—SOC x SOC

CODE	DESCRIPTION	SIZE
R32.118.015	1/2" SWEEP BEND 90DEG PVC-U SCH80	1/2"
R32.118.020	3/4" SWEEP BEND 90DEG PVC-U SCH80	3/4"
R32.118.025	1" SWEEP BEND 90DEG PVC-U SCH80	1"
R32.118.032	1 1/4" SWEEP BEND 90DEG PVC-U SCH80	1 1/4"
R32.118.040	1 1/2" SWEEP BEND 90DEG PVC-U SCH80	1 1/2"
R32.118.050	2" SWEEP BEND 90DEG PVC-U SCH80	2"
R32.118.065	2 1/2" SWEEP BEND 90DEG PVC-U SCH80	2 1/2"
R32.118.080	3" SWEEP BEND 90DEG PVC-U SCH80	3"
R32.118.100	4" SWEEP BEND 90DEG PVC-U SCH80	4"



ELBOW 45°—SOC x SOC

CODE	DESCRIPTION	SIZE
R32.119.015	1/2" ELB 45DEG PVC-U SCH80 SWJ	1/2"
R32.119.020	3/4" ELB 45DEG PVC-U SCH80 SWJ	3/4"
R32.119.025	1" ELB 45DEG PVC-U SCH80 SWJ	1"
R32.119.032	1 1/4" ELB 45DEG PVC-U SCH80 SWJ	1 1/4"
R32.119.040	1 1/2" ELB 45DEG PVC-U SCH80 SWJ	1 1/2"
R32.119.050	2" ELB 45DEG PVC-U SCH80 SWJ	2"
R32.119.065	2 1/2" ELB 45DEG PVC-U SCH80 SWJ	2 1/2"
R32.119.080	3" ELB 45DEG PVC-U SCH80 SWJ	3"
R32.119.100	4" ELB 45DEG PVC-U SCH80 SWJ	4"
R32.119.150	6" ELB 45DEG PVC-U SCH80 SWJ	6"
R32.119.200	8" ELB 45DEG PVC-U SCH80 SWJ	8"

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

TEE

TEE'S—EQUAL & REDUCING

CODE	DESCRIPTION	SIZE
R32.122.015	1/2" TEE EQUAL PVC-U SCH80 SWJ	1/2"
R32.122.020	3/4" TEE EQUAL PVC-U SCH80 SWJ	3/4"
R32.122.020015	3/4" X 1/2" TEE RED PVC-U SCH80 SWJ	3/4" X 1/2"
R32.122.025	1" TEE EQUAL PVC-U SCH80 SWJ	1"
R32.122.025015	1" X 1/2" TEE RED PVC-U SCH80 SWJ	1" X 1/2"
R32.122.025020	1" X 3/4" TEE RED PVC-U SCH80 SWJ	1" X 3/4"
R32.122.032	1 1/4" TEE EQUAL PVC-U SCH80 SWJ	1 1/4"
R32.122.032025	1 1/4" X 1" TEE RED PVC-U SCH80 SWJ	1 1/4" X 1"
R32.122.040	1 1/2" TEE EQUAL PVC-U SCH80 SWJ	1 1/2"
R32.122.040020	1 1/2" X 3/4" TEE RED PVC-U SCH80 SWJ	1 1/2" X 3/4"
R32.122.040025	1 1/2" X 1" TEE RED PVC-U SCH80 SWJ	1 1/2" X 1"
R32.122.040032	1 1/2" X 1 1/4" TEE RED PVC-U SCH80 SWJ	1 1/2" X 1 1/4"
R32.122.050	2" TEE EQUAL PVC-U SCH80 SWJ	2"
R32.122.050015	2" X 1 1/2" TEE RED PVC-U SCH80 SWJ	2" X 1 1/2"
R32.122.050020	2" X 3/4" TEE RED PVC-U SCH80 SWJ	2" X 3/4"
R32.122.050025	2" X 1" TEE RED PVC-U SCH80 SWJ	2" X 1"
R32.122.050040	2" X 1 1/2" TEE RED PVC-U SCH80 SWJ	2" X 1 1/2"
R32.122.065	2 1/2" TEE EQUAL PVC-U SCH80 SWJ	2 1/2"
R32.122.080	3" TEE EQUAL PVC-U SCH80 SWJ	3"
R32.122.080050	3" X 2" TEE RED PVC-U SCH80 SWJ	3" X 2"
R32.122.100	4" TEE EQUAL PVC-U SCH80 SWJ	4"
R32.122.100025	4" X 1" TEE RED PVC-U SCH80 SWJ	4" X 1"
R32.122.100050	4" X 2" TEE RED PVC-U SCH80 SWJ	4" X 2"
R32.122.100080	4" X 3" TEE RED PVC-U SCH80 SWJ	4" X 3"
R32.122.150	6" TEE EQUAL PVC-U SCH80 SWJ	6"
R32.122.150050	6" X 2" TEE RED PVC-U SCH80 SWJ	6" X 2"
R32.122.150100	6" X 4" TEE RED PVC-U SCH80 SWJ	6" X 4"
R32.122.200	8" TEE EQUAL PVC-U SCH80 SWJ	8"
R32.122.200150	8" X 6" TEE RED PVC-U SCH80 SWJ	8" X 6"



SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

WYE



WYE

CODE	DESCRIPTION	SIZE
R32.128.040	1½" WYE PVC-U SCH80	1½"
R32.128.050	2" WYE PVC-U SCH80	2"
R32.128.080	3" WYE PVC-U SCH80	3"
R32.128.100	4" WYE PVC-U SCH80	4"
R32.128.150	6" WYE PVC-U SCH80	6"

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

SOCKETS

SOCKET COUPLING—SOC x SOC

CODE	DESCRIPTION	SIZE
R32.100.015	½" SOCKET PVC-U SCH80 SWJ	½"
R32.100.020	¾" SOCKET PVC-U SCH80 SWJ	¾"
R32.100.025	1" SOCKET PVC-U SCH80 SWJ	1"
R32.100.032	1¼" SOCKET PVC-U SCH80 SWJ	1¼"
R32.100.040	1½" SOCKET PVC-U SCH80 SWJ	1½"
R32.100.050	2" SOCKET PVC-U SCH80 SWJ	2"
R32.100.065	2½" SOCKET PVC-U SCH80 SWJ	2½"
R32.100.080	3" SOCKET PVC-U SCH80 SWJ	3"
R32.100.100	4" SOCKET PVC-U SCH80 SWJ	4"
R32.100.150	6" SOCKET PVC-U SCH80 SWJ	6"
R32.100.200	8" SOCKET PVC-U SCH80 SWJ	8"



REDUCING COUPLING—SOC x SOC

CODE	DESCRIPTION	SIZE
R32.114.020015	¾" X ½" R/SOCK PVC-U SCH80 SWJ	¾" X ½"
R32.114.025015	1" X ½" R/SOCK PVC-U SCH80 SWJ	1" X ½"
R32.114.025020	1" X ¾" R/SOCK PVC-U SCH80 SWJ	1" X ¾"
R32.114.032025	1¼" X 1" R/SOCK PVC-U SCH80 SWJ	1¼" X 1"
R32.114.040025	1½" X 1" R/SOCK PVC-U SCH80 SWJ	1½" X 1"
R32.114.040032	1½" X 1¼" R/SOCK PVC-U SCH80 SWJ	1½" X 1¼"
R32.114.050025	2" X 1" R/SOCK PVC-U SCH80 SWJ	2" X 1"
R32.114.050032	2" X 1½" R/SOCK PVC-U SCH80 SWJ	2" X 1½"
R32.114.080050	3" X 2" R/SOCK PVC-U SCH80 SWJ	3" X 2"
R32.114.100050	4" X 2" R/SOCK PVC-U SCH80 SWJ	4" X 2"
R32.114.100080	4" X 3" R/SOCK PVC-U SCH80 SWJ	4" X 3"
R32.114.150100	6" X 4" R/SOCK PVC-U SCH80 SWJ	6" X 4"



SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

REDUCING BUSH



REDUCING BUSH

CODE	DESCRIPTION	SIZE
R32.109.020015	3/4" X 1/2" BUSH PVC-U SCH80 SW	3/4" X 1/2"
R32.109.025015	1" X 1/2" BUSH PVC-U SCH80 SWJ	1" X 1/2"
R32.109.025020	1" X 3/4" BUSH PVC-U SCH80 SWJ	1" X 3/4"
R32.109.032015	1 1/4" X 1/2" BUSH PVC-U SCH80	1 1/4" X 1/2"
R32.109.032020	1 1/4" X 3/2" BUSH PVC-U SCH80	1 1/4" X 3/4"
R32.109.032025	1 1/4" X 1" BUSH PVC-U SCH80 S	1 1/4" X 1"
R32.109.040015	CCC- 1 1/2" X 1/2" BUSH PVC-U SCH80	1 1/2" X 1/2"
R32.109.040020	CCC- 1 1/2" X 3/4" BUSH PVC-U SCH80	1 1/2" X 3/4"
R32.109.040025	CCC- 1 1/2" X 1" BUSH PVC-U SCH80 SW	1 1/2" X 1"
R32.109.040032	CCC- 1 1/2" X 1 1/4" BUSH PVC-U SCH80	1 1/2" X 1 1/4"
R32.109.050015	2" X 1/2" BUSH PVC-U SCH80 SWJ	2" X 1/2"
R32.109.050020	2" X 3/4" BUSH PVC-U SCH80 SWJ	2" X 3/4"
R32.109.050025	2" X 1" BUSH PVC-U SCH80 SWJ	2" X 1"
R32.109.050032	2" X 1 1/4" BUSH PVC-U SCH80 S	2" X 1 1/4"
R32.109.050040	2" X 1 1/2" BUSH PVC-U SCH80 S	2" X 1 1/2"
R32.109.065025	2 1/2" X 1" BUSH PVC-U SCH80 S	2 1/2" X 1"
R32.109.065032	2 1/2" X 1 1/4" BUSH PVC-U SCH	2 1/2" X 1 1/4"
R32.109.065040	2 1/2" X 1 1/2" BUSH PVC-U SCH	2 1/2" X 1 1/2"
R32.109.065050	2 1/2" X 2" BUSH PVC-U SCH80 S	2 1/2" X 2"
R32.109.080025	3" X 1" BUSH PVC-U SCH80 SWJ	3" X 1"
R32.109.080032	3" X 1 1/4" BUSH PVC-U SCH80 S	3" X 1 1/4"
R32.109.080040	3" X 1 1/2" BUSH PVC-U SCH80 S	3" X 1 1/2"
R32.109.080050	3" X 2" BUSH PVC-U SCH80 SWJ	3" X 2"
R32.109.080065	3" X 2 1/2" BUSH PVC-U SCH80 SW	3" X 2 1/2"
R32.109.100050	4" X 2" BUSH PVC-U SCH80 SWJ	4" X 2"
R32.109.100080	4" X 3" BUSH PVC-U SCH80 SWJ	4" X 3"
R32.109.150080	6" X 3" BUSH PVC-U SCH80 SWJ	6" X 3"
R32.109.150100	6" X 4" BUSH PVC-U SCH80 SWJ	6" X 4"
R32.109.200150	8" X 6" BUSH PVC-U SCH80 SWJ	8" X 6"

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

THREADED ADAPTOR

FEMALE ADAPTOR—SOC x FPT

CODE	DESCRIPTION	SIZE
R32.101.015	½" FEMALE ADAPTOR S XFPT PVC-U SCH80	½"
R32.101.020	¾" FEMALE ADAPTOR S XFPT PVC-U SCH80	¾"
R32.101.025	1" FEMALE ADAPTOR S XFPT PVC-U SCH80	1"
R32.101.032	1¼" FEMALE ADAPTOR S X FPT PVC-U SCH80	1¼"
R32.101.040	1½" FEMALE ADAPTOR S X FPT PVC-U SCH80	1½"
R32.101.050	2" FEMALE ADAPTOR S X FPT PVC-U SCH80	2"
R32.101.065	2½" FEMALE ADAPTOR S X FPT PVC-U SCH80	2½"
R32.101.080	3" FEMALE ADAPTOR SXFPT PVC-U SCH80	3"
R32.101.100	4" FEMALE ADAPTOR SXFPT PVC-U SCH80	4"

Threaded NPT



MALE ADAPTOR—SP x MPT

CODE	DESCRIPTION	SIZE
R32.151.015	½" MALE ADAPTOR S X MPT PVC-U SCH	½"
R32.151.020	¾" MALE ADAPTOR S X MPT PVC-U SCH	¾"
R32.151.025	1" MALE ADAPTOR S X MPT PVC-U SCH80	1"
R32.151.032	1¼" MALE ADAPTOR S X MPT PVC-U S	1¼"
R32.151.040	1½" MALE ADAPTOR S X MPT PVC-U S	1½"
R32.151.050	2" MALE ADAPTOR S X MPT PVC-U SCH80	2"
R32.151.065	2½" MALE ADAPTOR S X MPT PVC-U S	2½"
R32.151.080	3" MALE ADAPTOR S X MPT PVC-U SCH80	3"
R32.151.100	4" MALE ADAPTOR S X MPT PVC-U SCH80	4"

Threaded NPT



SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

UNION



SOCKET UNION—EPDM

CODE	DESCRIPTION	SIZE
R32.205.015	1/2" UNION SXS EPDM SEAL PVC-U SCH8	1/2"
R32.205.020	3/4" UNION SXS EPDM SEAL PVC-U SCH8	3/4"
R32.205.025	1" UNION SXS EPDM SEAL PVC-U SCH80	1"
R32.205.032	1 1/4" UNION SXS EPDM SEAL PVC-U SC	1 1/4"
R32.205.040	1 1/2" UNION SXS EPDM SEAL PVC-U SC	1 1/2"
R32.205.050	2" UNION SXS EPDM SEAL PVC-U SCH80	2"
R32.205.080	3" UNION SXS EPDM SEAL PVC-U SCH80	3"
R32.205.100	4" UNION SXS EPDM SEAL PVC-U SCH80	4"



SOCKET UNION—VITON

CODE	DESCRIPTION	SIZE
R32.208.015	1/2" UNION SXS VITON SEAL PVC-U SCH	1/2"
R32.208.020	3/4" UNION SXS VITON SEAL PVC-U SCH	3/4"
R32.208.025	1" UNION SXS VITON SEAL PVC-U SCH80	1"
R32.208.032	1 1/4" UNION SXS VITON SEAL PVC-U S	1 1/4"
R32.208.040	1 1/2" UNION SXS VITON SEAL PVC-U S	1 1/2"
R32.208.050	2" UNION SXS VITON SEAL PVC-U SCH80	2"
R32.208.080	3" UNION SXS VITON SEAL PVC-U SCH80	3"
R32.208.100	4" UNION SXS VITON SEAL PVC-U SCH80	4"

Threaded Unions available

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

CAPS & PLUGS

CAPS—PLAIN

CODE	DESCRIPTION	SIZE
R32.140.015	½" CAP FEMALE PVC-U SCH80 S	½"
R32.140.020	¾" CAP FEMALE PVC-U SCH80 S	¾"
R32.140.025	1" CAP FEMALE PVC-U SCH80 SWJ	1"
R32.140.032	1¼" CAP FEMALE PVC-U SCH80	1¼"
R32.140.040	1½" CAP FEMALE PVC-U SCH80	1½"
R32.140.050	2" CAP FEMALE PVC-U SCH80 SWJ	2"
R32.140.065	2½" CAP FEMALE PVC-U SCH80	2½"
R32.140.080	3" CAP FEMALE PVC-U SCH80 SWJ	3"
R32.140.100	4" CAP FEMALE PVC-U SCH80 SWJ	4"
R32.140.150	6" CAP FEMALE PVC-U SCH80 SWJ	6"
R32.140.200	8" CAP FEMALE PVC-U SCH80 SWJ	8"



CAPS—THREADED

CODE	DESCRIPTION	SIZE
R32.141.015	½" CAP FPT PVC-U SCH80	½"
R32.141.020	¾" CAP FPT PVC-U SCH80	¾"
R32.141.025	1" CAP FPT PVC-U SCH80	1"
R32.141.032	1¼" CAP FPT PVC-U SCH80	1¼"
R32.141.040	1½" CAP FPT PVC-U SCH80	1½"
R32.141.050	2" CAP FPT PVC-U SCH80	2"
R32.141.065	2½" CAP FPT PVC-U SCH80	2½"
R32.141.075	3" CAP FPT PVC-U SCH80	3"
R32.141.100	4" CAP FPT PVC-U SCH80	4"



Threaded NPT

PLUG

CODE	DESCRIPTION	SIZE
R32.155.015	½" PLUG MPT PVC-U SCH80	½"
R32.155.020	¾" PLUG MPT PVC-U SCH80	¾"
R32.155.025	1" PLUG MPT PVC-U SCH80	1"
R32.155.032	1¼" PLUG MPT PVC-U SCH80	1¼"
R32.155.040	1½" PLUG MPT PVC-U SCH80	1½"
R32.155.050	2" PLUG MPT PVC-U SCH80	2"



Threaded NPT

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

FLANGES



FLANGES

CODE	DESCRIPTION	SIZE
R32.317.050V	2" VANSTONE FLANGE PVC-U SCH80	2"
R32.317.080V	3" VANSTONE FLANGE PVC-U SCH80	3"
R32.317.100V	4" VANSTONE FLANGE PVC-U SCH80	4"
R32.317.150V	6" VANSTONE FLANGE PVC-U SCH80	6"
R32.317.200V	8" VANSTONE FLANGE PVC-U SCH80	8"

FLANGES

CODE	DESCRIPTION	SIZE
R32.136.050	2" BLANK FLG BS10/PN16 PVC-U	2"
R32.136.080	3" BLANK FLG BS10/PN16 PVC-U	3"
R32.136.100	4" BLANK FLG BS10/PN16 PVC-U	4"
R32.136.150	6" BLANK FLANGE B BS10/PN16 PVC-U	6"
R32.136.200	8" BLANK FLANGE BS10/PN16 PVC-U	8"

SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

PIPE CLIPS

PIPE CLIPS

CODE	DESCRIPTION	SIZE
R05.434.015	1/2" PIPE CLIP	1/2"
R05.434.020	3/4" PIPE CLIP	3/4"
R05.434.025	1" PIPE CLIP	1"
R05.434.032	1 1/4" PIPE CLIP	1 1/4"
R05.434.040	1 1/2" PIPE CLIP	1 1/2"
R05.434.050	2" PIPE CLIP	2"
R05.434.065	2 1/2" PIPE CLIP	2 1/2"
R05.434.080	3" PIPE CLIP	3"
R05.434.100	4" PIPE CLIP	4"

PIPE CLIPS

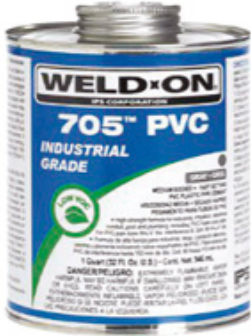
CODE	DESCRIPTION	SIZE
R05.434.080F	3" PIPE CLIP	3"
R05.434.100F	4" PIPE CLIP	4"
R05.434.150F	6" PIPE CLIP	6"



SCHEDULE 80 FITTINGS

uPVC PIPELINE SYSTEMS

CEMENT & PRIMER



CEMENT & PRIMER

CODE	DESCRIPTION	SIZE
R32.461.050	PVC-U SCHED 80 CEMENT 500ML	500ML
R32.461.100	PVC-U SCHED 80 CEMENT 1TR	1 LITRE
R32.463.050	PVC-U SCHED 80 PRIMER 500ML	500ML
R32.463.100	PVC-U SCHED 80 PRIMER 1LTR	1 LITRE



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