



High
Standard
Pipe

High Standard Pipe®

uPVC & PVC Fittings Catalogue



The Ultimate Value International Certification Body

www.tuvicb.com



Certificate No: 093140008750001

Certificate of Registration

This is to certify that the Management System of:

HIGH STANDARD PIPES (HSP)

Kabul, Afghanistan

has been assessed by TUV-ICB and found to be in conformance
with the following standard(s):

ISO 9001:2008

Scope of registration:

Manufacturer of uPVC Pipes, HDPE Pipes & PPRC Pipes

Original Approval: 16/05/2013
Current Certificate: 16/05/2013
Certificate Expiry: 15/05/2016



Issued by TUV - ICB Hellas S.A.

The approval is subject to the organization maintaining their system in accordance with TUV-ICB Hellas S.A. rules and regulations for certification. This certificate is valid as long as the company's name appears on our website: www.tuvicb.com



PVC SCHEDULE 40 FITTINGS

Weights, Dimensions and Tolerance

Scope

This specification sheet covers the manufacturer's requirements for PVC Schedule 40 pipe fittings. These fittings meet or exceed the standards set by the American Society for Testing and Materials and the National Sanitation Foundation.

PVC Materials

Rigid PVC (polyvinyl chloride) used in the manufacturer of Schedule 40 fittings is Type I, Grade 1 compound as stated in ASTM D-1784. Raw material used in molding shall contain the specified amounts of color pigment, stabilizers, and other additives approved by the National Sanitation Foundation.

Dimensions

Physical dimensions and tolerances of PVC Schedule 40 IPS (Iron Pipe Size) fittings meet the requirements of ASTM specification D-2466 for all fittings. Threaded fittings have tapered pipe threads in accordance with ANSI/ASME B 1.20.1.

Marking

PVC Schedule 40 Fittings are marked as prescribed in ASTM D-2466 to indicate the manufacturer's name or trademark, size of fitting, and ASTM Designation D-2466.



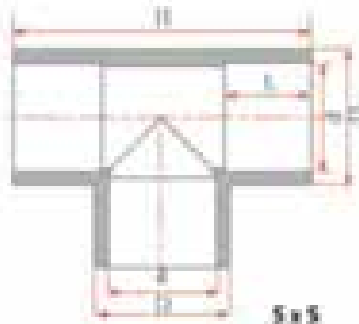
PVC SCHEDULE 40 FITTINGS

Weights, Dimensions and Tolerance

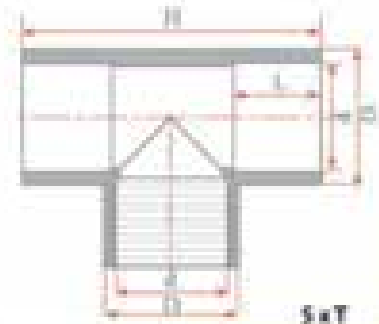
PVC SCHEDULE 40 TAPER SOCKET DIMENSIONS (SOLVENT WELD TYPE) ASTM D-2466 (PVC)

Nom. Pipe Size	Pipe O.D.	Socket Entrance I.D. (A)		Socket Bottom I.D. (B)		Min. Socket Length (C)
		Min.	Max.	Min.	Max.	
1/2"	0.840	0.844	0.852	0.832	0.840	0.688
3/4"	1.050	1.054	1.062	1.042	1.050	0.719
1"	1.315	1.320	1.330	1.305	1.315	0.875
1 1/4"	1.660	1.665	1.675	1.650	1.660	0.938
1 1/2"	1.900	1.906	1.918	1.888	1.900	1.094
2"	2.375	2.381	2.393	2.363	2.375	1.156
2 1/2"	2.875	2.882	2.896	2.861	2.875	1.750
3"	3.500	3.508	3.524	3.484	3.500	1.875
4"	4.500	4.509	4.527	4.482	4.500	2.000
6"	6.625	6.636	6.658	6.603	6.625	3.000
8"	8.625	8.640	8.670	8.595	8.625	4.000

Tees



S x S



S x T

Nominal Size	TEE - SxS D	UNIT OF MEASURE: MM			
		d	L	H	Approx. WT.
1/2"	27.9	21.34	19.00	63.70	0.03
3/4"	33.5	26.67	26.00	83.10	0.05
1"	40.8	33.40	27.50	92.10	0.08
1 1/4"	50.1	42.18	29.00	104.00	0.10
1 1/2"	56.6	48.26	34.00	120.00	0.16
2"	69.0	60.33	40.00	143.50	0.20
2 1/2"	84.4	73.03	45.00	168.20	0.43
3"	100.9	88.90	48.00	190.00	0.60
4"	127.3	114.30	54.00	230.50	0.95
6"	183.6	168.30	76.70	332.00	2.30

Nominal Size	TEE - SxT D	UNIT OF MEASURE: MM			
		d	L	H	Approx. WT.
1/2"	27.9	21.34	19.00	63.30	0.03
3/4"	33.5	26.67	26.00	83.00	0.05
1"	40.8	33.40	27.50	92.10	0.08
1 1/4"	50.1	42.18	29.00	101.40	0.10
1 1/2"	56.6	48.26	34.00	117.50	0.16
2"	69.0	60.33	40.00	142.00	0.20
2 1/2"	84.4	73.03	45.00	165.00	0.43
3"	100.9	88.90	48.00	180.00	0.60
4"	127.3	114.30	54.00	220.50	0.95
6"	183.6	168.30	76.70	318.00	2.30

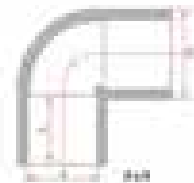
Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.

45° Elbows



Nominal Size	45 ELL- SxS	UNIT OF MEASURE: MM		
	D	d	L	Approx. WT.
1/2"	27.9	21.34	19.00	0.02
3/4"	33.5	26.67	26.00	0.03
1"	40.8	33.40	27.50	0.04
1 1/2"	50.1	42.16	29.00	0.06
1 3/4"	56.6	48.26	34.00	0.08
2"	69.0	60.33	40.00	0.13
2 1/2"	84.4	73.03	45.00	0.25
3"	100.9	88.90	48.00	0.34
4"	127.3	114.30	54.00	0.55
6"	183.6	168.30	76.70	1.40

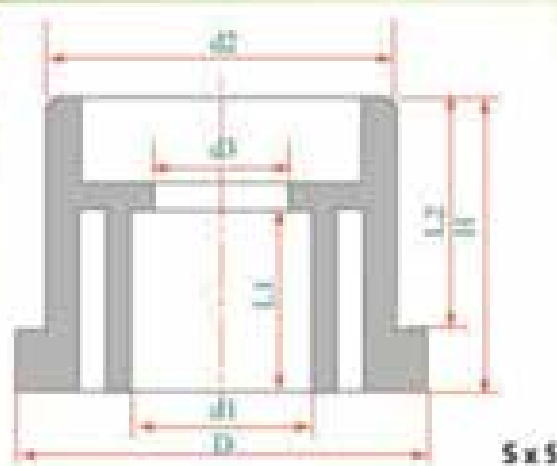
90° Elbows



Nominal Size	90 ELL- SxS	UNIT OF MEASURE: MM		
	D	d	L	Approx. WT.
1/2"	27.9	21.34	19.00	0.02
3/4"	33.5	26.67	26.00	0.04
1"	40.8	33.40	27.50	0.05
1 1/2"	50.1	42.16	29.00	0.08
1 3/4"	56.6	48.26	34.00	0.11
2"	69.0	60.33	40.00	0.18
2 1/2"	84.4	73.03	45.00	0.33
3"	100.9	88.90	48.00	0.44
4"	127.3	114.30	54.00	0.78
6"	183.6	168.30	76.70	1.90

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.

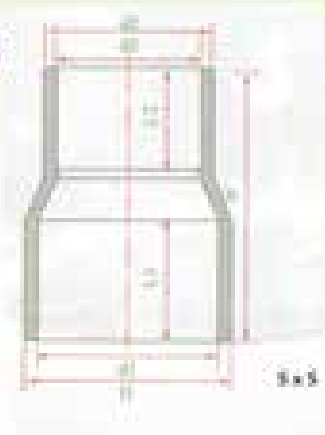
Reducing Bushes



Nominal Size	Reducer S x S	UNIT OF MEASURE: MM						
		D	d1	d2	d3	H	L1	L2
1/2" x 1/2"	31.9	26.67	18.50	21.34	32.60	22.40	26.00	0.01
1" x 1/2"	40.8	33.40	16.30	21.34	34.10	22.40	27.20	0.03
1" x 1/2"	40.8	33.40	20.60	26.67	34.10	25.80	27.20	0.03
1 1/4" x 1/2"	48.8	42.16	16.30	21.34	36.00	22.40	28.70	0.04
1 1/4" x 1/2"	48.8	42.16	20.60	26.67	36.00	25.80	28.70	0.04
1 1/4" x 1"	48.8	42.16	26.90	33.40	36.00	27.50	28.70	0.04
1 1/2" x 1/2"	55.5	48.26	16.30	21.34	40.80	22.40	33.50	0.05
1 1/2" x 1/2"	55.5	48.26	20.60	26.67	40.80	25.80	33.50	0.05
1 1/2" x 1"	55.5	48.26	26.90	33.40	40.80	27.50	33.50	0.05
1 1/2" x 1 1/4"	55.5	48.26	41.00	42.16	40.80	29.00	33.50	0.05
2" x 1/2"	68.4	60.33	16.30	21.34	47.40	22.40	39.60	0.08
2" x 1/2"	68.4	60.33	20.60	26.67	47.40	25.80	39.60	0.08
2" x 1"	68.4	60.33	26.90	33.40	47.40	27.50	39.60	0.08
2" x 1 1/4"	68.4	60.33	41.00	42.16	47.40	29.00	39.60	0.08
2" x 1 1/2"	68.4	60.33	47.00	48.26	47.40	34.00	39.60	0.08
3" x 1 1/2"	104.0	88.90	47.00	48.26	58.00	34.00	50.00	0.17
3" x 2"	104.0	88.90	55.00	60.33	58.00	40.00	50.00	0.17
4" x 3"	138.0	114.30	55.00	60.33	64.00	40.00	59.00	0.28
6" x 4"	199.0	168.30	108.00	114.30	80.00	54.00	69.00	0.82

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.

Reducing Coupling



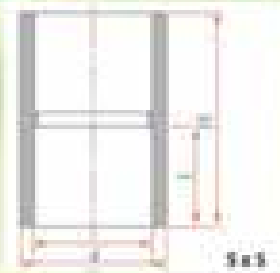
Nominal Size	Reducer - SxS	UNIT OF MEASURE: MM							
		D	d1	d2	d3	H	L1	L2	Approx. WT.
1/2" x 3/8"		31.9	26.67	27.50	21.34	53.90	26.00	18.50	0.02
1/2" x 1/2"		40.8	33.40	27.50	21.34	53.70	27.50	18.50	0.03
1/2" x 3/4"		40.8	33.40	33.50	26.67	63.90	27.50	25.30	0.03
1 1/4" x 1/2"		48.8	42.16	27.50	21.34	64.40	29.00	25.30	0.04
1 1/4" x 3/4"		48.8	42.16	33.50	26.67	67.40	29.00	27.50	0.04
1 1/4" x 1"		48.8	42.16	40.90	33.40	65.40	29.00	19.00	0.04
1 1/2" x 1/2"		55.5	48.26	27.50	21.34	72.40	34.00	26.00	0.05
1 1/2" x 3/4"		55.5	48.26	33.50	26.67	73.90	34.00	27.50	0.05
1 1/2" x 1"		55.5	48.26	40.90	33.40	74.40	34.00	29.00	0.05
1 1/2" x 1 1/4"		55.5	48.26	50.10	42.16	82.90	34.00	26.00	0.05
2" x 1/2"		68.4	60.33	27.50	21.34	84.40	40.00	27.50	0.08
2" x 3/4"		68.4	60.33	33.50	26.67	85.90	40.00	29.00	0.08
2" x 1"		68.4	60.33	40.90	33.40	90.90	40.00	34.00	0.08
2" x 1 1/2"		68.4	60.33	50.10	42.16	90.90	40.00	40.00	0.08
2" x 1 1/4"		68.4	60.33	56.60	48.26	90.90	40.00	45.00	0.08

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.

PVC SCHEDULE 40 FITTINGS

Weights, Dimensions and Tolerance

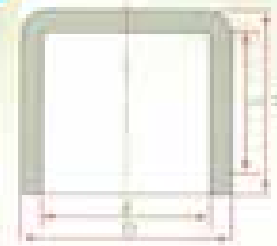
Couplings



SxS

Nominal Size	Coupling SxS	UNIT OF MEASURE: MM			
		D	d	L	H
1/2"	27.9	21.34	19.00	40.70	0.02
1/2"	33.5	26.67	26.00	55.10	0.03
1"	40.8	33.40	27.50	57.40	0.04
1 1/2"	50.1	42.16	29.00	60.40	0.05
1 1/2"	56.6	48.26	34.00	70.40	0.08
2"	69.0	60.33	40.00	82.40	0.10
2 1/2"	84.4	73.03	45.00	94.80	0.20
3"	100.9	88.90	48.00	100.80	0.25
4"	127.3	114.30	54.00	112.80	0.38
6"	183.6	168.30	76.70	159.80	0.92

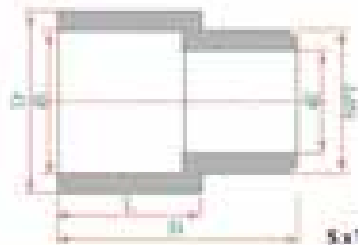
Caps



PxS

Nominal Size	CAP PxS	UNIT OF MEASURE: MM			
		D	d	L	H
1/2"	27.9	21.34	19.00	22.00	0.01
1/2"	33.5	26.67	26.00	30.00	0.02
1"	40.8	33.40	27.50	31.10	0.02
1 1/2"	50.1	42.16	29.00	33.00	0.03
1 1/2"	56.6	48.26	34.00	38.80	0.04
2"	69.0	60.33	40.00	44.50	0.06
2 1/2"	84.4	73.03	45.00	57.20	0.19
3"	100.9	88.90	48.00	61.60	0.22
4"	127.3	114.30	54.00	89.00	0.30
6"	183.6	168.30	76.70	102.00	0.60

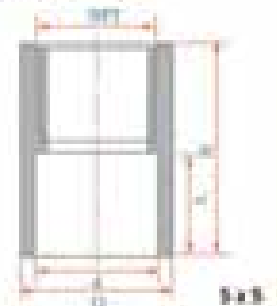
Male Adaptors



SxT

Nominal Size	Adaptor SxT	UNIT OF MEASURE: MM			
		D	d	L	H
1/2"	27.9	21.34	19.00	40.70	0.02
1/2"	33.5	26.67	26.00	55.10	0.03
1"	40.8	33.40	27.50	57.40	0.04
1 1/2"	50.1	42.16	29.00	60.40	0.05
1 1/2"	56.6	48.26	34.00	70.40	0.08
2"	69.0	60.33	40.00	82.40	0.10
2 1/2"	84.4	73.03	45.00	94.80	0.20
3"	100.9	88.90	48.00	100.80	0.25
4"	127.3	114.30	54.00	112.80	0.38
6"	183.6	168.30	76.70	159.80	0.92

Female Adaptors



SxS

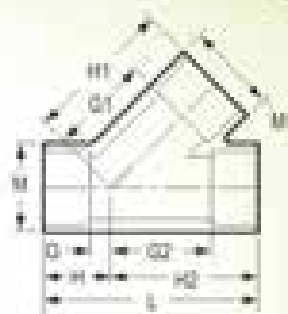
Nominal Size	Adaptor SxT	UNIT OF MEASURE: MM			
		D	d	L	H
1/2"	27.9	21.34	19.00	40.40	0.02
1/2"	33.5	26.67	26.00	49.90	0.03
1"	40.8	33.40	27.50	57.40	0.04
1 1/2"	50.1	42.16	29.00	60.40	0.06
1 1/2"	56.6	48.26	34.00	64.40	0.07
2"	69.0	60.33	40.00	71.10	0.10
2 1/2"	84.4	73.03	45.00	82.80	0.20
3"	100.9	88.90	48.00	96.40	0.25
4"	127.3	114.30	54.00	103.30	0.38
6"	183.6	168.30	76.70	131.10	0.80

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1764. Dimensions are subject to change without notice. Contact HSP for Certification.

WYE

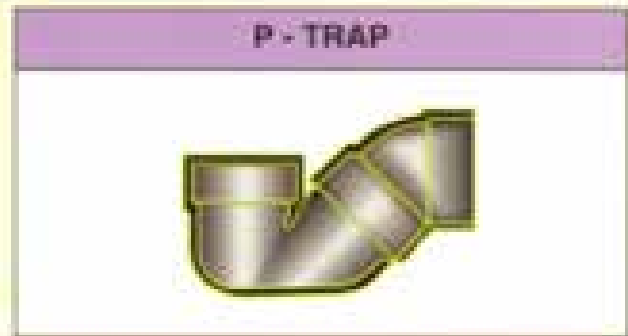
Soc x Soc x Soc

Pressure Rating
1/2" - 2" 235 psi @ 73°F
2-1/2" - 8" 200 psi @ 73°F
8" & Up 100 psi @ 73°F



Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Kg)
1/2	14	1-3/16	1-3/16	1-1/8	2-1/16	2-1/16	3-3/16	1-5/32	1-5/32	.054
3/4	18	1-9/16	1-9/16	1-1/8	2-9/16	2-9/16	3-11/16	1-3/8	1-3/8	.082
1	22	1-13/16	1-13/16	1-13/32	2-15/16	2-15/16	4-11/32	1-23/32	1-23/32	.104
1-1/4	28	2-1/4	2-1/4	1-5/8	3-1/2	3-1/2	5-1/8	2-1/16	2-1/16	.213
1-1/2	32	2-19/32	2-9/16	1-7/8	3-21/32	3-15/16	5-13/16	2-11/32	2-11/32	.227
2	38	3-7/32	3-7/32	2-1/8	4-3/4	4-3/4	6-7/8	2-7/8	2-7/8	0.318
2-1/2	44	4-3/4	4-3/4	2-3/8	5-1/4	5-3/4	8-3/4	4-1/8	4-1/8	0.635
3	50	5-5/8	4-3/16	2-19/32	6-17/32	6-3/32	9-11/16	4-5/32	4-5/32	1.043
4	58	6	5-3/8	3-1/8	7-1/4	7-5/8	11-3/4	5-9/32	5-9/32	1.520
6	78	8-21/32	8-1/16	4-5/16	11-21/32	11-1/16	15-3/8	7-9/16	7-9/16	3.051
8	100	11-1/16	11-1/4	6-1/16	15-1/4	15-1/4	21-1/4	9-23/32	9-23/32	6.300

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2466. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.



Size Inch	D mm	L mm	S mm	H mm
2"	68.5	79.5	3.7	35.2
3"	100.0	124.0	5.4	47.7
4"	126.0	150.0	5.8	59.6

Notes: Physical Dimensions and tolerances meet the requirement of ASTM Standard D-2665. PVC Material meets ASTM Standard D-1784. Dimensions are subject to change without notice. Contact HSP for Certification.



Certificate of Compliance

Registration No.: **0931460064730001**

Holder of certificate: **HIGH STANDARD PIPE**
Kabul, Afghanistan

Manufacturer: **HIGH STANDARD PIPE**
Kabul, Afghanistan

This is to certify that **Testing Requirements of PVC - uPVC Pipes** as defined in respective **BS EN Standards** were verified for below mentioned product

Product Description: **PVC - uPVC Pipes**

Model No/ Type: **Ø 20mm - Ø 455 mm (Normal outside diameter)**

Technical Data: **-**

Test Standards: **ASTM-D 1738, D 1784, D 1785-04, D 2955, D 2441, D 2406, F-409, F 437, F 1970, PiEN 1452-1.5 ANSI-LX 651-A, B165, NEMA-To 2.5.8, AWWA-C900, B55, 3505, 3506, 5255, 5414, 4660, 5481, 4504, 4346, DIN 8061, 8062, 19534, 8079, 8080, 8063, ISO 9117, 9118, and 9119**

This certificate refers only to the sample submitted for test. This certificate shall not be reproduced except in full without the written approval of TUV-ICB Hellas S.A. This certificate can be used, under the responsibility of the manufacturer, after completion of all relevant requirements and documentation.

Date of issue: **2011/05/07**
Expiry Date: **2011/05/06**



Certified by

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