5DRAGON
Construction Corporation

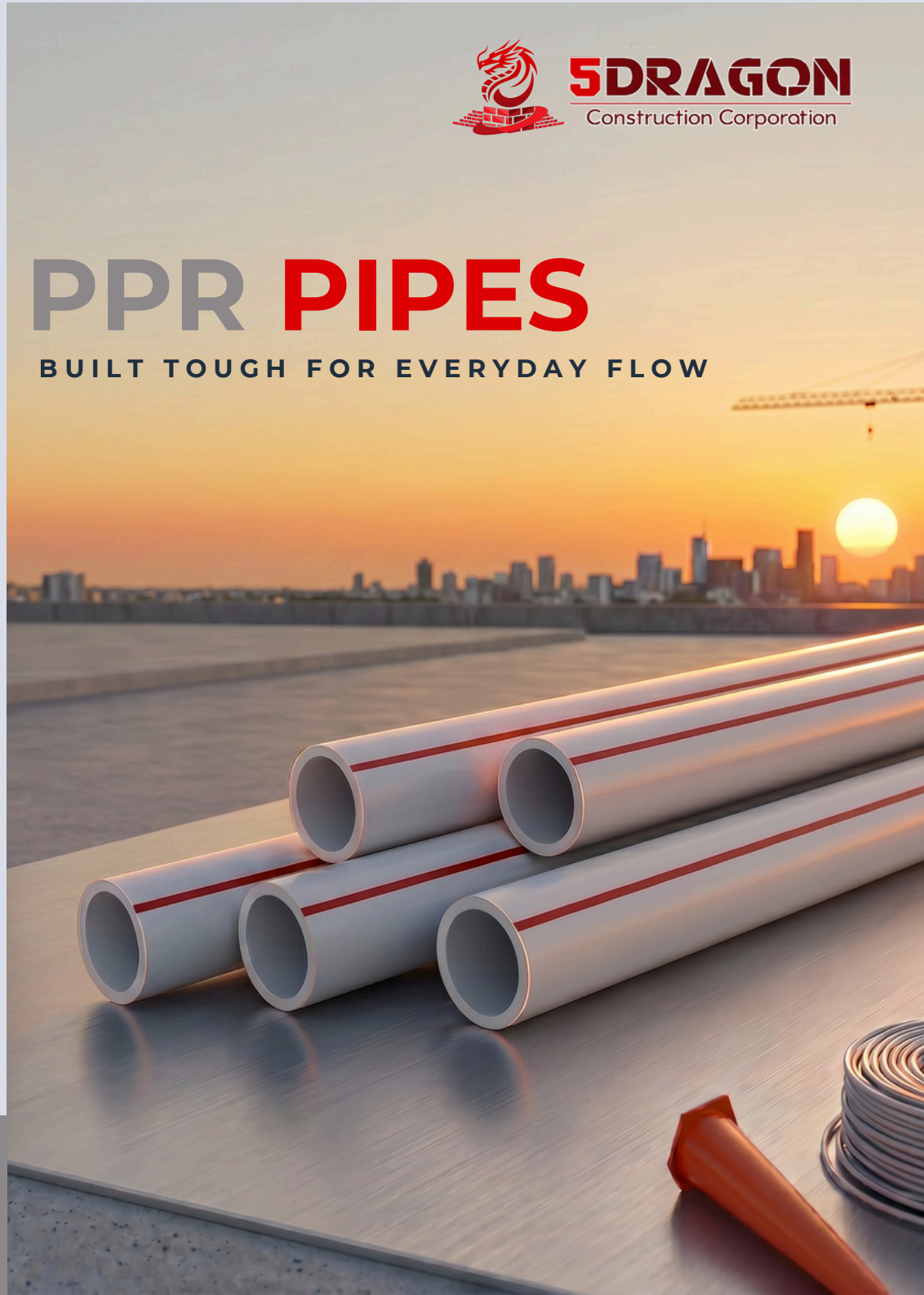
FOR INQUIRIES

5dragonconstruction.0@gmail.com www.5dragonconstructionfb.com.ph

5DRAGON
Construction Corporation

PPR PIPES

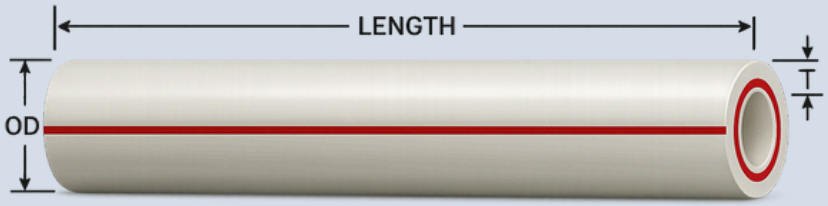
BUILT TOUGH FOR EVERYDAY FLOW



PPR PIPES

WHAT IS PPR PIPE?

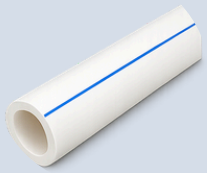
5Dragon PPR Pipes are high-quality and durable piping solutions designed for reliable hot and cold water distribution, offering leak-proof performance, corrosion resistance, and long-lasting efficiency for residential, commercial, and industrial applications.



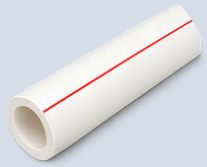
NOMINAL OUTSIDE DIAMETER		STANDARD LENGTH	WALL THICKNESS		
mm	in	M	PN10	PN16	PN20
20	1/2	4	1.90	2.80	3.40
25	3/4	4	2.30	3.50	4.20
32	1	4	2.90	4.40	5.40
40	1-1/4	4	3.70	5.50	6.70
50	1-1/2	4	4.60	6.90	8.30
63	2	4	5.80	8.60	10.50
75	2-1/2	4	6.80	10.30	12.50
90	3	4	8.20	12.30	15.00
110	4	4	10.00	15.10	18.30

	PN10 (SDR 11) PIPE	PN16 (SDR 7.4) PIPE	PN20 (SDR 6) PIPE
APPLICATION	Cold Water	Hot & Cold Water	Hot & Cold Water
WORKING PRESSURE	10 Bar or 145 PSI	16 Bar or 232 PSI	20 Bar or 290 PSI
COLOR	White	White with Blue Marking	White with Red Marking
STANDARD	DIN 8077 & DIN 8078 for Pipes DIN 19560/16962 for Fittings	DIN 8077 & DIN 8078 for Pipes DIN 19560/16962 for Fittings	DIN 8077 & DIN 8078 for Pipes DIN 19560/16962 for Fittings

AVAILABLE COLORS



PPR BLUE STRIPES



PPR RED STRIPES



PPR NO STRIPES

Coupling



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63
2-1/2	75
3	90
4	110

Elbow 90°



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63
2-1/2	75
3	90
4	110

Elbow 45°



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63
2-1/2	75
3	90
4	110

Tee



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63
2-1/2	75
3	90
4	110

End Cap



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63
2-1/2	75
3	90
4	110

Cross Tee



Size	
in	mm
1/2	20
3/4	25
1	32

Tee Reducer



Size	
in	mm
1/2 x 3/4 x 1/2	20 x 25 x 20
3/4 x 1/2 x 1/2	25 x 20 x 20
3/4 x 1/2 x 3/4	25 x 20 x 25
1 x 1/2 x 1/2	32 x 20 x 20
1 x 1/2 x 3/4	32 x 20 x 25
1 x 3/4 x 3/4	32 x 25 x 25
1 x 3/4 x 1	32 x 25 x 32
1-1/4 x 3/4 x 1-1/4	40 x 20 x 40
1-1/4 x 3/4 x 1-1/4	40 x 25 x 40
1-1/4 x 1 x 1-1/4	40 x 32 x 40
1-1/2 x 1/2 x 1-1/2	50 x 20 x 50
1-1/2 x 3/4 x 1-1/2	50 x 25 x 50
1-1/2 x 1 x 1-1/2	50 x 32 x 50
1-1/2 x 1-1/4 x 1-1/2	50 x 40 x 50
2 x 1/2 x 2	63 x 20 x 63
2 x 3/4 x 2	63 x 25 x 63
2 x 1 x 2	63 x 32 x 63
2 x 1-1/4 x 2	63 x 40 x 63
2 x 1-1/2 x 2	63 x 50 x 63
2-1/2 x 3/4 x 2-1/2	75 x 25 x 75
2-1/2 x 1 x 2-1/2	75 x 32 x 75
2-1/2 x 1-1/4 x 2-1/2	75 x 40 x 75
2-1/2 x 1-1/2 x 2-1/2	75 x 50 x 75
2-1/2 x 2 x 2-1/2	75 x 63 x 75
3 x 3/4 x 3	90 x 25 x 90
3 x 1 x 3	90 x 32 x 90
3 x 1-1/4 x 3	90 x 40 x 90
3 x 1-1/2 x 3	90 x 50 x 90
3 x 2 x 3	90 x 63 x 90
3 x 2-1/4 x 3	90 x 75 x 90
4 x 1-1/4 x 4	110 x 40 x 110
4 x 1-1/2 x 4	110 x 50 x 110
4 x 2 x 4	110 x 63 x 110
4 x 2-1/2 x 4	110 x 75 x 110
4 x 3 x 4	110 x 90 x 110

PPR Bushing



Size	
in	mm
2	63
2-1/2	75
3	90
4	110

Over Bend



Size	
in	mm
1/2	20
3/4	25
1	32

End Plug



Size	
in	mm
1/2	20
3/4	25
1	32

Coupling Reducer



Size	
in	mm
3/4 x 1/2	25 x 20
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1-1/4 x 1/2	40 x 20
1-1/4 x 3/4	40 x 25
1-1/4 x 1	40 x 32
1-1/2 x 1/2	50 x 20
1-1/2 x 3/4	50 x 25
1-1/2 x 1	50 x 32
1-1/2 x 1-1/4	50 x 40
2 x 1/2	63 x 20
2 x 3/4	63 x 25
2 x 1	63 x 32
2 x 1-1/4	63 x 40
2 x 1-1/2	63 x 50
2-1/2 x 1/2	75 x 20
2-1/2 x 3/4	75 x 25
2-1/2 x 1	75 x 32
2-1/2 x 1-1/4	75 x 40
2-1/2 x 1-1/2	75 x 50
2-1/2 x 2	75 x 63
3 x 1/2	90 x 20
3 x 3/4	90 x 25
3 x 1	90 x 32
3 x 1-1/4	90 x 40
3 x 1-1/2	90 x 50
3 x 2	90 x 63
3 x 2-1/2	90 x 75
4 x 1/2	110 x 20
4 x 3/4	110 x 25
4 x 1	110 x 32
4 x 1-1/4	110 x 40
4 x 1-1/2	110 x 50
4 x 2	110 x 63
4 x 2-1/2	110 x 75
4 x 3	110 x 90

Ball Valve with Double Union (Plastic / Plastic)



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63

Ball Valve



Size	
in	mm
1/2	20
3/4	25
1	32
1-1/4	40
1-1/2	50
2	63

Union Coupling Female Thread



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 3/4	25 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40
1-1/2 x 1-1/2	50 x 50
2 x 2	63 x 63

Threaded Female Adaptor Coupling with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40
1-1/2 x 1-1/2	50 x 50
2 x 2	63 x 63
2-1/2 x 2-1/2	75 x 75

Threaded Male Adapter Coupling with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40
1-1/2 x 1-1/2	50 x 50
2 x 2	63 x 63
2-1/2 x 2-1/2	75 x 75

Threaded Female Elbow with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32

Threaded Male Elbow with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32

PPR Flange Set



Size	
in	mm
1-1/4	40
1-1/2	50
2	63
3	90
4	110

Gate Valve



Size (Plastic X Plastic)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40
1-1/2 x 1-1/2	50 x 50
2 x 2	63 x 63

FABRICATED **BUTT FUSION SERIES**

Threaded Female Tee with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40

Threaded Male Tee with Brass



Size (Plastic X Brass)	
in x in	mm x mm
1/2 x 1/2	20 x 20
1/2 x 3/4	20 x 25
3/4 x 1/2	25 x 20
3/4 x 3/4	25 x 25
3/4 x 1	25 x 32
1 x 1/2	32 x 20
1 x 3/4	32 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40

Socket Fusion Machine

	Size
	SHS20/63 (1/2" - 2")
	SHS75/110 (2-1/2" - 4")

Pipe Cutter



Size (mm)
20 - 40

Clip

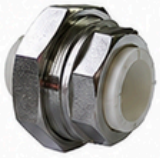


Size	
in	mm
1/2	20
3/4	25
1	32
2	63

Roller Pipe Cutter



Size (mm)
50 - 110



Size	
in x in	mm x mm
1/2 x 1/2	20 x 20
3/4 x 3/4	25 x 25
1 x 1	32 x 32
1-1/4 x 1-1/4	40 x 40
1-1/2 x 1-1/2	50 x 50
2 x 2	63 x 63

PPR **INSTALLATION STEPS**



1. Cut the PPR pipe

Cut the PPR pipe in to desired length



2. Clean both inside and outside

Clean both inside and outside of pipe and Fittings using clean cloth or rag



3. Warm the PPR pipe & Fitting

Warm the PPR pipe and fitting internally and externally



4. Conneet the markings

Connect the markings and ensure precise connections

Note: Follow proper heatine fime and depth as per fitting size for best results