

PIPE SECTIONS

TUBELINE® CHS					
DESIGNATION					
GRADE	Nominal Size (DN)	Quality	Outside Diameter mm	Wall Thickness mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS					
	15	L	21.3	2.0	
		M		2.6	
		H		3.2	
	20	XL	26.9	2.0	
		L		2.3	
		M		2.6	
		H		3.2	
	25	XL	33.7	2.0	
		L		2.6	
		M		3.2	
		H		4.0	
	32	XL	42.4	2.0	
		L		2.6	
		M		3.2	
		H		4.0	
	40	XL	48.3	2.3	
		L		2.9	
		M		3.2	
		H		4.0	
		XH		5.4	
	50	XL	60.3	2.3	
		L		2.9	
		M		3.6	
		H		4.5	
		XH		5.4	
	65	XL	76.1	2.3	
		L		3.2	
		M		3.6	
		H		4.5	
		XH		5.9	
	80	XL	88.9	2.6	
		L		3.2	
		M		4.0	
		H		5.0	
		XH		5.9	
	90	XL	101.6	2.6	
		L		3.2	
		M		4.0	
		H		5.0	
	100	XL	114.3	3.2	
		L		3.6	
		M		4.5	
		H		5.4	
	125	XL	139.7	3.0	
		L		3.5	
		M		5.0	
		H		5.4	
	150	L	165.1	3.5	
		M		5.0	
		H		5.4	

TUBELINE® CHS LARGE STRUCTURAL				
DESIGNATION				
GRADE	Nominal Size (DN)	Outside Diameter mm	Wall Thickness mm	END COLOUR CODE
12.0 METRE STANDARD LENGTHS				
	-	168.3	4.8	
			6.4	
			7.1	
	-	219.1	4.8	
			6.4	
			8.2	
	-	273.1	4.8	
			6.4	
			9.3	
			12.7	
	-	323.9	6.4	
			9.5	
			12.7	
	-	355.6	6.4	
			9.5	
			12.7	
	-	406.4	6.4	
			9.5	
			12.7	
	-	457.0	6.4	
			9.5	
			12.7	

TUBELINE® SWAGED CHS				
DESIGNATION				
GRADE	Nominal Size (DN)	Quality	Outside Diameter mm	Wall Thickness mm
6.5 METRE STANDARD LENGTHS				
	20	XL	26.9	2.0
				2.6
	25	XL	33.7	2.0
		L		2.6
	32	XL	42.4	2.0
		L		2.6
	40	XL	48.3	2.3
		L		2.9
	50	XL	60.3	2.3

DURAGAL® CHS				
DESIGNATION				
GRADE	Nominal Size (DN)	Quality	Outside Diameter mm	Wall Thickness mm
6.5 METRE STANDARD LENGTHS				
	20	XL	26.9	2.0
	25	XL	33.7	2.0
	32	XL	42.4	2.0
	40	XL	48.3	2.3
	50	XL	60.3	2.3
	65	XL	76.1	2.3

GALTUBE® PLUS CHS				
DESIGNATION				
GRADE	Nominal Size (DN)	Outside Diameter mm	Wall Thickness mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS				
	20	26.9	2.0	
	25	33.7	2.0	
	32	42.4	2.0	
	40	48.3	2.3	
	50	60.3	2.3	
	65	76.1	2.6	

FIREPLUS®				
DESIGNATION				
GRADE	Nominal Size (DN)	Outside Diameter mm	Wall Thickness mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS				
	32	42.4	2.0	
	40	48.3	2.3	
	50	60.3	2.3	
	65	76.1	2.3	
	80	88.9	2.6	
	100	114.3	3.05	
	150	165.1	3.40	

ULTRAPIPE®				
DESIGNATION				
GRADE	Nominal Size (DN)	Outside Diameter mm	Wall Thickness mm	END COLOUR CODE
12.0 METRE STANDARD LENGTHS				
	-	168.3	4.8	
			6.4	
			7.1	
	-	219.1	4.8	
			6.4	
			8.2	
	-	273.1	4.8	
			6.4	
			9.3	
			12.7	
	-	323.9	6.4	
			9.5	
			12.7	
	-	355.6	6.4	
			9.5	
			12.7	
	-	406.4	6.4	
			9.5	
			12.7	
	-	457.0	6.4	
			9.5	
			12.7	

DURAGAL® PROFILES

DURAGAL® EQUAL ANGLES				
DESIGNATION				
GRADE	b ₁ mm	b ₂ mm	t mm	END COLOUR CODE
6.0 METRE STANDARD LENGTHS				
	30	30	2.5	
	40	40	2.5	
			4.0	
	45	45	2.5	
			4.0	
9.0 METRE STANDARD LENGTHS				
	50	50	2.5	
			4.0	
			5.0	
			6.0	
	65	65	4.0	
			5.0	
			6.0	
	75	75	4.0	
			5.0	
			6.0	
			8.0	
12.0 METRE STANDARD LENGTHS				
	100	100	6.0	
			8.0	
	125	125	4.0	
			5.0	
			8.0	
	150	150	5.0	
			8.0	

DURAGAL® UNEQUAL ANGLES				
DESIGNATION				
GRADE	b ₁ mm	b ₂ mm	t mm	END COLOUR CODE
9.0 METRE STANDARD LENGTHS				
	75	50	4.0	
			5.0	
			6.0	
12.0 METRE STANDARD LENGTHS				
	100	75	6.0	
			8.0	
	125	75	6.0	
			8.0	
	150	100	6.0	
			8.0	

DURAGAL® CHANNELS				
DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
9.0 METRE STANDARD LENGTHS				
	75	40	4.0	
	100	50	4.0	
	125	65	4.0	
12.0 METRE STANDARD LENGTHS				
	150	75	5.0	
	180	75	5.0	
	200	75	5.0	
			6.0	
	230	75	6.0	
	250	90	6.0	
	300	90	6.0	
			8.0	

DURAGAL® FLATS				
DESIGNATION				
GRADE	w mm	t mm	END COLOUR CODE	
6.0 METRE STANDARD LENGTHS				
	-	50	4.0	
			5.0	
	-	65	4.0	
			5.0	
	-	75	4.0	
			5.0	
	-	90	6.0	
			5.0	
			6.0	
			8.0	
	-	130	5.0	
	-	150	5.0	
			6.0	
			8.0	
	-	200	5.0	
			6.0	
			8.0	
	-	250	5.0	
			8.0	
	-	300	5.0	
			8.0	

DURAGAL® PLUS FOR LINTELS				
DESIGNATION				
GRADE	b ₁ mm	b ₂ mm	t mm	END COLOUR CODE
12.0 METRE STANDARD LENGTHS				
	100	100	6.0	
			8.0	
	150	100	6.0	
			8.0	

End Colour Codes

DESIGNATING WALL THICKNESS CLASS FOR CHS		DESIGNATING PRODUCT THICKNESS FOR RHS, SHS, POST & STUMP, OTHER SECTIONS AND SOME STRUCTURAL GRADE PIPE	
EXTRA LIGHT (XL)	GREEN	1.6	Purple
LIGHT (L)	YELLOW	2.5	Hot Pink
MEDIUM (M)	BLUE	3.0	Blue
HEAVY (H)	RED	3.5	Grey
EXTRA HEAVY (XH)	NO COLOUR	4.0	Green
		5.0	Orange
		6.0	Cream
		7.0	Hot Pink
		8.0	Red
		9.0	Purple

GRADE DESIGNATION: 250 MPa 350 MPa 400 MPa 450 MPa DUALGRADE 350/450

CHS GRADE C250			
Grade	Brand/Quality	Specification	Size Range OD (mm)
C250	TUBELINE® Medium	AS1163:C250L0 & AS1074	26.9 to 165.1
	TUBELINE® Heavy	AS1163:C250L0 & AS1074	26.9 to 165.1
	TUBELINE® Extra Heavy	AS1163:C250L0	48.3 to 88.9

CHS GRADE C350			
Grade	Brand/Quality	Specification	Size Range OD (mm)
C350	TUBELINE® Extra Light	AS1163:C350L0	26.9 to 139.7
	DuraGal® Extra Light	DuraGal® C350	26.9 to 76.1
	TUBELINE® Light	TUBELINE® C350L0 Type 3	21.3
	TUBELINE® Light	AS1163:C350L0	26.9 to 165.1
	TUBELINE® Medium & Heavy	TUBELINE® C350L0 Type 2	21.3
	TUBELINE® Large Structural	AS1163:C350L0	168.3 to 457.0
	TUBELINE® Swaged CHS	AS1163:C350L0	26.9 to 60.3

OTHER CHS		
Brand	Specification	Size Range OD (mm)
FirePlus®	AS4118.2.1	Refer Table
Sprinkler & Hydrant Pipe	SSL Appraisal FAS-119 SSL apf listing 1340	
UltraPipe®	AS1163:C350L0 AS1396: Water bore casing API 5L Grades B & X42 ASTM A53 Grade B	Refer Table

If more information is required about the products in this guide, contact OneSteel Direct phone 1800 1 STEEL (1800 1 78335) or fax 1800 101 141 or see our website www.onesteel.com

SHS & RHS SECTIONS

DURAGAL® SHS & RHS DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS				
	20	20	1.6	
	25	25	1.6	
			2.0	
			2.5	
			3.0	
8.0 METRE STANDARD LENGTHS				
	30	30	1.6	
			2.0	
	35	35	1.6	
			2.0	
			2.5	
			3.0	
	40	40	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
	50	20	1.6	
			2.0	
			2.5	
			3.0	
	50	50	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
	65	35	2.0	
			2.5	
			3.0	
	65	65	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	75	25	1.6	
			2.0	
			2.5	
	75	50	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	

DURAGAL® SHS & RHS contd DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	75	75	2.0	
			2.5	
			3.0	
			3.5	
			4.0	
			5.0	
			6.0	
	89	89	3.5	
			5.0	
			6.0	
	90	90	2.0	
			2.5	
	100	50	1.6	
			2.0	
			2.5	
			3.0	
			3.5	
			4.0	
			5.0	
			6.0	
	100	100	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	125	75	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	150	50	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	

DURAGAL® POST & STUMP DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	90	90	2.0	

TUBELINE® SHS DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS				
	13	13	1.8	
	15	15	1.8	
	20	20	1.6	
	25	25	1.6	
			2.0	
			2.5	
			3.0	
8.0 METRE STANDARD LENGTHS				
	30	30	1.6	
			2.0	
	35	35	1.6	
			2.0	
			2.5	
			3.0	
	40	40	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
	50	50	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
	65	65	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	75	75	2.0	
			2.5	
			3.0	
			3.5	
			4.0	
			5.0	
			6.0	
	89	89	3.5	
			5.0	
			6.0	

TUBELINE® SHS contd DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	100	100	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
			9.0	
	125	125	4.0	
			5.0	
			6.0	
			9.0	
	150	150	5.0	
			6.0	
			9.0	
	200	200	5.0	
			6.0	
			9.0	
	250	250	6.0	
			9.0	
12.0 METRE STANDARD LENGTHS				
	100	100	3.0	
			4.0	
			5.0	
			6.0	
			9.0	
	125	125	4.0	
			5.0	
			6.0	
			9.0	
	150	150	5.0	
			6.0	
			9.0	
	200	200	5.0	
			6.0	
			9.0	
	250	250	6.0	
			9.0	

TUBELINE® RHS DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	50	20	1.6	
			2.0	
			2.5	
			3.0	
	50	25	1.6	
			2.0	
			2.5	
			3.0	
	65	35	2.0	
			2.5	
			3.0	
			4.0	
	75	25	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
	75	50	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	100	50	1.6	
			2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	125	75	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	150	50	2.0	
			2.5	
			3.0	
			4.0	
			5.0	
			6.0	
	150	100	4.0	
			5.0	
			6.0	
			9.0	

TUBELINE® RHS contd DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	200	100	4.0	
			5.0	
			6.0	
			9.0	
	250	150	5.0	
			6.0	
			9.0	
12.0 METRE STANDARD LENGTHS				
	150	100	4.0	
			5.0	
			6.0	
			9.0	
	200	100	4.0	
			5.0	
			6.0	
			9.0	
	250	150	5.0	
			6.0	
			9.0	
GALTUBE® PLUS RHS DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
6.5 METRE STANDARD LENGTHS				
SQUARES				
	20	20	1.6	
	25	25	1.6	
	30	30	1.6	
	35	35	1.6	
			2.5	
	40	40	1.6	
			2.5	
	50	50	1.6	
			2.5	
	65	65	1.6	
			2.5	
RECTANGLES				
	50	20	1.6	
			2.5	
	50	25	1.6	
			2.5	
	75	25	1.6	
			2.5	

OTHER SECTIONS

DURAGAL® SILO DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
8.0 METRE STANDARD LENGTHS				
	75	64	2.3	
			3.0	
			4.0	

DURAGAL® RAIL DESIGNATION				
GRADE	d mm	b mm	t mm	END COLOUR CODE
6.0 METRE STANDARD LENGTHS				
	120	48	2.0	

DURAGAL®

GALTUBE® PLUS

TUBELINE®

ULTRAPIPE®

FirePlus®

End Colour Codes

END COLOUR CODES TO AS/NZS 4496:1997											
DESIGNATING PRODUCT THICKNESS FOR											
RHS, SHS, POST & STUMP, OTHER SECTIONS AND SOME STRUCTURAL GRADE PIPE											
1.6	Purple	2.0	Yellow	3.0	Blue	4.0	Green	6.0	Cream	8.0	Red
1.8	Brown	2.5	Hot Pink	3.5	Grey	5.0	Orange	7.0	Hot Pink	9.0	Purple
GRADE DESIGNATION: ■ 250 MPa ■ 350 MPa ■ 400 MPa ■ 450 MPa ■ DUALGRADE 350/450											

For more information about the products in this guide, contact OneSteel Direct phone 1800 1 STEEL (1800 1 78335) or fax 1088 101 141 or see our website www.onesteel.com

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