

HEAVY & MEDIUM PIPE TO AUSTRALIAN STANDARDS

CHS Grade C250 MASS AND BUNDLING DATA – Calculated in accordance with AS 1163

DIMENSIONS				BUNDLING				MASS				
Designation		Nominal Size	Bundle Dimensions		Lengths per Bundle	Metres per Bundle	kg/m		m/tonne		tonnes	
			W	H			Black	Galv	Black	Galv	Black	Galv
do	t	DN	mm	mm	6.5m	Metres	Black	Galv	Black	Galv	Black	Galv
26.9	2.6	CHS 20M	350	306	127	825.5	1.56	1.6	642	623	1.29	1.32
	3.2	CHS 20H	350	306	127	825.5	1.87	1.92	535	522	1.54	1.58
33.7	3.2	CHS 25M	327	327	91	591.5	2.41	2.46	415	406	1.42	1.46
	4	CHS 25H	327	327	91	591.5	2.93	2.99	341	335	1.73	1.77
42.4	3.2	CHS 32M	383	337	61	396.5	3.09	3.17	323	316	1.23	1.26
	4	CHS 32H	383	337	61	396.5	3.79	3.86	264	259	1.5	1.53
48.3	3.2	CHS 40M	436	384	61	396.5	3.56	3.64	281	274	1.41	1.44
	4	CHS 40H	436	384	61	396.5	4.37	4.45	229	225	1.73	1.77
60.3	3.6	CHS 50M	422	374	37	240.5	5.03	5.14	199	195	1.21	1.24
	4.5	CHS 50H	422	374	37	240.5	6.19	6.3	161	159	1.49	1.51
76.1	3.6	CHS 65M	533	472	37	240.5	6.44	6.57	155	152	1.55	1.58
	4.5	CHS 65H	533	472	37	240.5	7.95	8.08	126	124	1.91	1.94
88.9	4	CHS 80M	445	397	19	123.5	8.38	8.54	119	117	1.03	1.05
	4.9	CHS 80H	445	397	19	123.5	10.15	10.31	99	97	1.25	1.27
101.6	4	CHS 90M	508	454	19	123.5	9.63	9.81	104	102	1.19	1.21
	4.9	CHS 90H	508	454	19	123.5	11.69	11.87	86	84	1.44	1.47
114.3	4.5	CHS 100M	571	509	19	123.5	12.19	12.39	82	81	1.50	1.53
	5.4	CHS 100H	571	509	19	123.5	14.50	14.71	69	68	1.79	1.82
139.7	5	CHS 125M	699	382	13	84.5	16.61	16.86	60	59	1.40	1.42
	5.4	CHS 125H	699	382	13	84.5	17.89	18.14	56	55	1.51	1.53
165.1	5	CHS 150M	660	451	10	65	19.74	20.04	51	50	1.28	1.30
	5.4	CHS 150H	660	451	10	65	21.27	21.57	47	46	1.38	1.40

Notes: M=Medium H=Heavy

WORKING PRESSURES - WELDED JOINTS

Where AS 1074 pipe is used in pressure piping covered by AS 4041, the maximum pressure shall not exceed 1210 kPa for AS 1074 pipe up to and including DN100 and 1030 kPa for AS 1074 pipe exceeding DN100

SPECIFICATION

C250 Pipe is manufactured and tested to meet the requirement of the following specifications:-

- AS 1074 Steel Tubes and Tubulars for ordinary service.
- AS 1163 Structural steel and hollow sections. (Grade C250 and C250L0).

THREADED PIPE

Screwed on one or both ends in accordance with AS 1074.

The tapered Whitworth thread used complies with the requirements of AS 1722, Part 1 and is suitable for both parallel and threaded sockets.

END PROCESSING OPTIONS

- Plain End
- Shouldered
- Roll Grooved
- Threaded

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WORKING PRESSURES - THREADED JOINTS TAPER/PARALLEL THREAD

Nominal Size	Water & Inert Oil		LPG	Fuel Oil				Other Applications (Including Steam & Compressed Air)			
	Med	Heavy	Med & Heavy	Medium		Heavy		Medium Press.	Temp.	Heavy Press.	Temp.
	kPa	kPa	kPa	Press. kPa	Temp. °C	Press. kPa	Temp. °C	kPa	°C	kPa	°C
25	2070	2410	140	1030	100	1210	192	1210	100	1210	192
32	1720	2070	140	1030	100	1030	192	1030	100	1030	192
40	1720	2070	140	1030	100	1030	192	1030	100	1030	192
50	1380	1720	140	860	100	860	192	860	100	860	192
65	1380	1720		860	100	860	192	860	100	860	192
80	1380	1720		860	100	860	192	860	100	860	192
100	1030	1380		690	100	850	192	690	100	690	192
125	1030	1380									
150	860	1030									

TYPE OF SERVICE

SUPPLY CONDITIONS

Surface Finish Black/Painted/Galvanised
 Straightness Refer to
 Thickness Tolerance Australian Standards
 Dimension Tolerance 6.5m
 Standard Length
 Length Tolerance + 25mm /- 0mm

MECHANICAL PROPERTIES

Minimum Yield Strength 250MPa
 Minimum Tensile Strength 320MPa
 Minimum Elongation in 5.65√So 20%