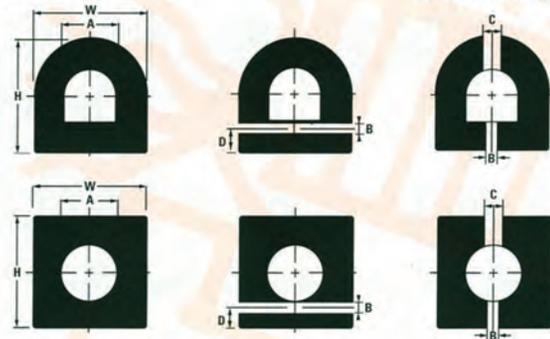


MARINE FENDERS

'D'/SQUARE/WING-TYPE MARINE DOCK BUMPERS

Designed for rigid mounting, 'D'/Square/Wing-Type fenders are ideal as continuous strips on quays, pontoons and driven timber piles. They are also installed on dry docking, tug boats, dredges and work boats. Bumpers are available up to the size of 600mm.

Dimensions



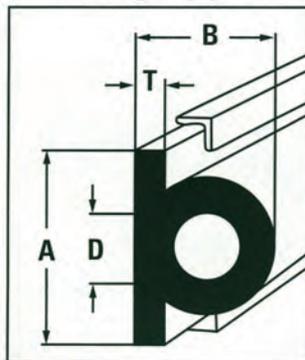
D-BUMPER

Square - BUMPER

COMMON DIMENSIONS

Item	150 ^{HW}	200 ^{HW}	250 ^{HW}	300 ^{HW}	350 ^{HW}	400 ^{HW}	500 ^{HW}	600 ^{HW}
H=W(mm)	150	200	250	300	350	400	500	600
A(mm)	75	100	125	150	175	200	250	300
B(∅)(mm)	27	30	33	36	40	45	50	55
C(∅)(mm)	60	65	75	80	85	95	105	115
D(mm)	30	35	45	55	65	75	95	120
Bolt Size(in)	W ⁷ / ₈	W1	W1 ¹ / ₈	W1 ¹ / ₄	W1 ³ / ₈	W1 ¹ / ₂	W1 ³ / ₄	W2

Wing Type



Wing Type

A x B(mm)	D(mm)	T(mm)	L-ANGLE(mm)
215 x 150	75	40	45 x 45 x 6
280 x 200	100	50	60 x 60 x 8
370 x 250	100	65	75 x 75 x 10
370 x 250	125	65	75 x 75 x 10

CYLINDRICAL FENDERS

Size(mm)	Reaction Force (tons)	Size(mm)	Reaction Force (tons)
150 x 75	7.50	200 x 100	9.50
250 x 125	12.50	300 x 150	14.50
380 x 190	18.50	400 x 200	14.50
450 x 225	22.00	480 x 240	23.50
500 x 250	24.50	530 x 265	26.00
600 x 300	29.50	700 x 350	34.00
800 x 400	39.00	900 x 450	44.00
1000 x 500	49.00	1100 x 550	54.00
1200 x 600	59.00	1300 x 650	64.00
1400 x 700	68.50	1500 x 750	73.50
1600 x 800	78.00	1700 x 850	83.00
1800 x 900	88.00	1900 x 950	93.00
2000 x 1000	98.00		

Cylindrical Fenders are economical and easy to install. Cylindrical Fenders are suitable for vessels of all sizes.

Latham can offer Cylindrical Fenders ranging from 100mm to 2000mm diameter.



MARINE FENDERS

V-FENDERS

V-Fenders are designed to fit anywhere and in any position; whether it be flat surfaces or rounded corners.

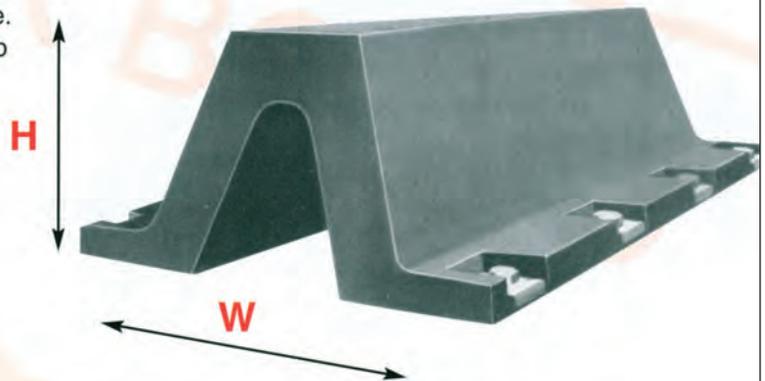
V-Fenders are capable of handling vessels from barges to large carriers very safely.

Features

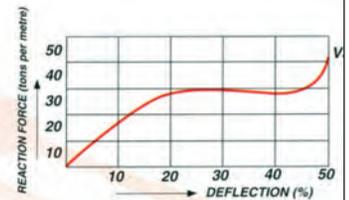
- High energy absorption and low reflection force.
- When compressed the arch shape fenders help reduce concentrated stress.



- Easy to install fenders at any berthing facility, thanks to the steel mounting plates and open legs.
- A wide range of energy capacities and sizes.
- Metal parts are encapsulated by vulcanised sealing.
- Latham's customise their V-Fenders to clients particular needs.



Dimensions	H(mm)	150	200	250	300	400	500	600	800	1000
	W(mm)	150	200	250	300	400	500	600	800	1000
Reaction Force (tons)	Rated	8.50	11.50	14.00	17.00	22.50	28.00	34.00	45.00	56.00
	Max	11.50	15.50	19.00	23.00	30.50	38.00	45.50	61.00	76.00

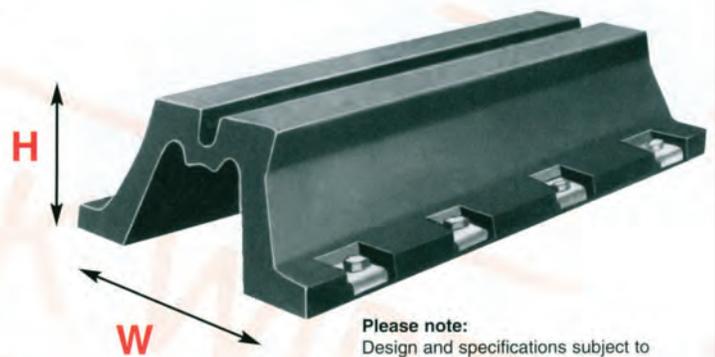


W-FENDERS

Features

- W-Fenders increase the contact area with the vessel, reducing the pressure against the vessel hull.
- W-Fenders can attain a deflection of 50%.
- W-Fenders have a high energy absorption capacity.
- W-Fenders disperse as widely as possible – increasing durability.
- Steel mounting plates and the open legs make it easy to install at berthing facilities.

- A range of sizes and energy capacity to choose from.
- W-Fenders literally need no maintenance, auxiliary support or piling.
- Vulcanised W-Fenders encapsulated metal parts. Latham's customise there W-Fenders to clients particular needs.



Dimensions	H(mm)	250	300	400	500	600	800	1000
	W(mm)	250	300	400	500	600	800	1000
Reaction Force (tons)	Rated	15.50	19.00	25.00	31.00	37.00	50.00	62.00
	Max	22.00	25.50	34.00	42.50	51.00	68.00	85.00

