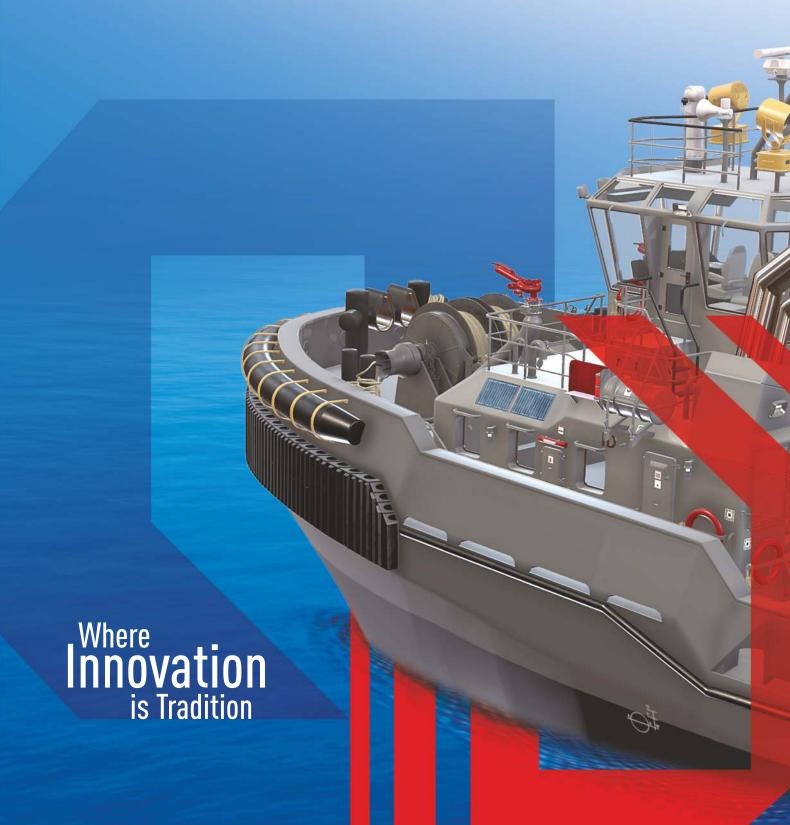
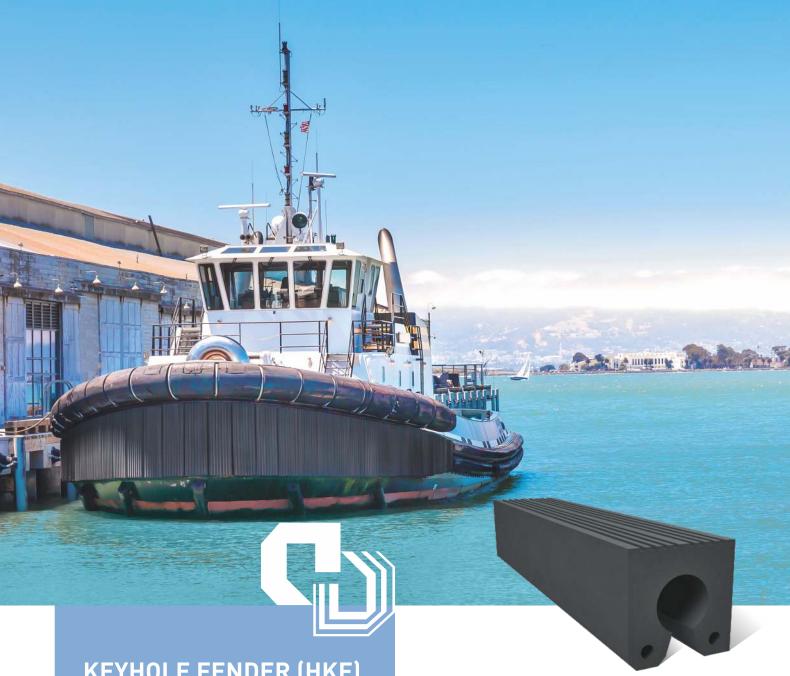


# Tug Fenders

KEYHOLE FENDER (HKF)





## **KEYHOLE FENDER (HKF)**

Block and cube fenders have a traditional 'keyhole' profile which is strong and ideal for heavy-duty applications.

There is a choice of grooved or flat face fenders depending on the required friction levels.

Where very low friction is needed, block and cube fenders can also be made as composite fenders with integral UHMW-PE faces. This is useful for tugs that operate in.

### **FEATURES**

- Extreme-Duty Design
- Twin-Leg Attachment
- Open Bore for Easy Installation
- Grooved for Extra Grip
- Fits around Tight Bends

## **APPLICATIONS**

- All Types of Tugs
- Ocean-Going Tugs
- Icebreakers
- Large Harbour Tugs
- Bridge and Pile Protection



## **KEYHOLE FENDER (HKF)**

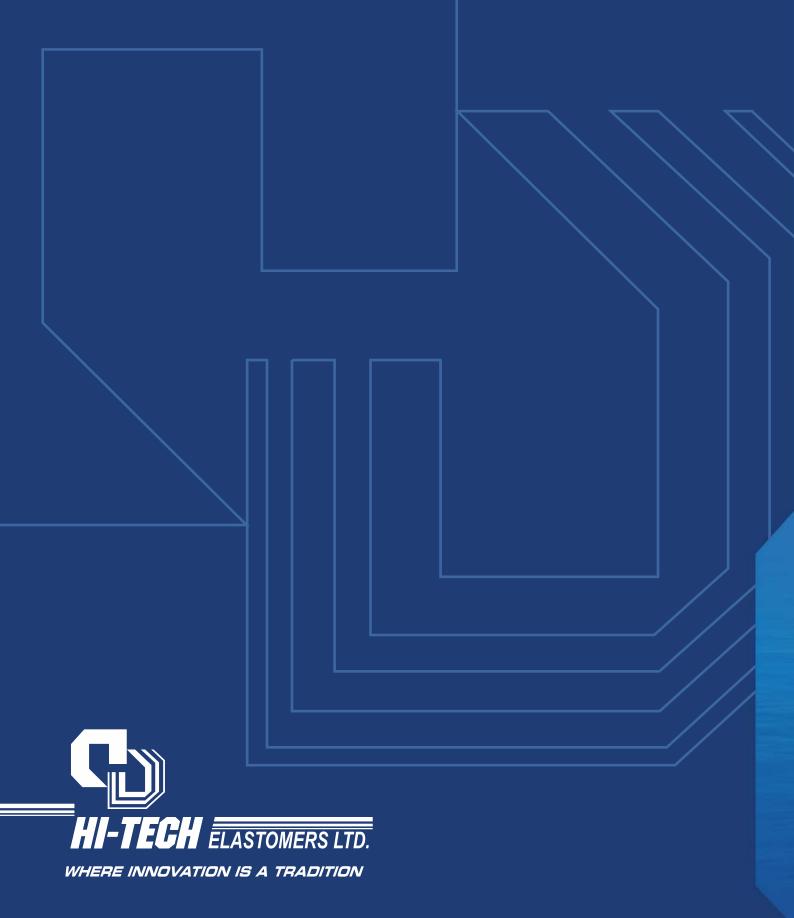
## **DIMENSIONS**

A	В	С	ØD	E	ØG	<b>L</b> <sub>max</sub>	WEIGHT
200	280	180	100	67	50	2900	51
250	350	220	110	75	55	2000	81
300	426	269	135	90	65	3000	120
350	420	255	90	100	75	2000	180

[Units: mm, kg/m]

## **FIXING**

	PIN	FLAT BAR	$R_{\scriptscriptstylemin}$
	Ø25	100 x 15	450
	Ø30	125 x 20	600
	Ø30	150 x 20	800
	Ø30	175 x 20	1000
			[Units: mm]
			ABU
P	ERFORI	MANCE GR	APH
	900		
	800	<b>–</b> 200 × 200	/
	-	<b>-</b> 250 × 250 <b>-</b> 300 × 300	
ter)	700	<b>–</b> 350 × 350 <b>–</b> 350 × 350	
me	600		
per	-		/ /
(K N	500		
rce	400		
Reaction force (kN per meter)	-		
ctio	300		
Rea	200		
	100		
	-		
	0	20 40 60	80 100
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