

REGD. & ADMIN. OFFICE :

26 & 27, AGARWAL INDL. ESTATE,
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Rane 
ELASTOMER PROCESSORS

MANUFACTURERS & EXPORTERS OF PRECISION RUBBER PARTS

AN ISO 9001 - 2008 COMPANY U

RANELAST Cell Type Rubber Fenders :

RANE, a leader in rubber Product Manufacture for more than 35Years, Launched its commercial production of **DOCK FENDERS** in 1979; using both Extrusion and Moulding Process. it is a matter of pride for **RANE** that within this time span, **RANE** has developed capability to manufacture all types of **DOCK FENDERS** namely **SQUARE TYPE**, **'D' TYPE**, **WING TYPE**, **CYLINDRICAL**, **ARCH TYPE** and **CELL TYPE**, **CONICAL TYPE**, **ELEMENTS TYPE Fenders**.

RANE's Dock Fenders play active role in many Ports & Harbours in India as well as overseas.

Function & characteristics of fenders used in work boats or small jetties should have additional characteristics. The function of the ordinary fenders is to absorb the shock energy of the berthing ship. However, the fenders for a work boat or small jetties should resist the strong pushing pressure exerted by the ship after the berthing is over and above absorbing the berthing energy.

RANELAST fender for work boat or small jetties have been developed after taking into consideration all the above factors. These fenders are manufactured by either extrusion process or by molding process according to the requirements of the customers.

Features :

- **Economical Design.**
- **Reduced stress concentration.**
- **Better performance even during critical angular berthing.**
- **Reduced Space requirement for fitting.**
- **Convenient to fix large size of frontal pad to cover high tidal variation**

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**FACTORY : Plot No. 19, Suvidha Indl. Estate, Near Thakkar Sons & KLT Automotive (Chassis Divn),
Village - Vevoor, Palghar (East), Dist Palghar - 401 404 (Maharashtra)**

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Cell Type Rubber Fender Standrad Size & Performance

| Size(Height in mm) | Reaction Force(Tons) | | Energy Absorption(Ton-M) | |
|---------------------|----------------------|-----|--------------------------|-----|
| | Rubber Grade | | | |
| | RE1 | RE2 | RE1 | RE2 |
| RA 400 H | 11 | 10 | 1.8 | 1.6 |
| RA 500 H | 19 | 17 | 3.7 | 3.3 |
| RA 630 H | 30 | 26 | 7.2 | 6.4 |
| RA 800 H | 47 | 42 | 14.5 | 13 |
| RA 1000 H | 75 | 67 | 33 | 30 |
| RA1150 H | 100 | 88 | 50 | 45 |
| RA 1250 H | 118 | 104 | 65 | 57 |
| RA 1450 H | 158 | 140 | 101 | 89 |
| RA 1600 H | 193 | 171 | 136 | 120 |
| RA 1700 H | 217 | 193 | 162 | 144 |
| RA 2000 H | 300 | 267 | 320 | 235 |
| RA 2250 H | 423 | 375 | 418 | 370 |
| RA2500 H | 523 | 463 | 574 | 509 |
| RA 3000 H | 580 | 440 | 671 | 511 |

Tolerance : +/- 10 %

Rated Deflection : 47.50% for Fender Size RC 400 H to RC 800 H.

Rated Deflection : 52.50% for Fender Size RC 1000 H to RC 3000 H.

Other Grades of Rubber is available on request.

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