## YGCH Fenders (Super Cell)

Its stability, durability, low maintenance cost, easy installation and features in general do YGCH fender (super cell), a new-generation fender suitable for any type of port.

It is possible to install the YGCH fender (super cell) with an optional steel panel, reducing the coefficient of friction and making it more resistant to pressure, mainly in the docking of ships.

## FEATURES

- High E/R.H. (energy absorption/reaction force. Product height): Compared with others cell rubber fenders, YGCH super cell rubber fenders have a 15% higher E/R.H. value. The general cell rubber fender has 0.375-0.385 E/R.H., while the super one has 0.43-0.44.
- YGCH super cell rubber fenders have the same fixings system and holes than other cell fenders, which make easy the replacement of them.
- More reasonable structure: Compare with others rubber fenders, the YGCH super cell rubber is more reasonable in the structure design. A smooth joint is adopted between the fender buffer and flange to reduce the strain concentration in fender bottom during the deflection, which results in more reasonable force dispersion. Besides, the deflection value of the fender is increased to 52.5% from the normal 47.5%.
- Minor affection in angular berthing.

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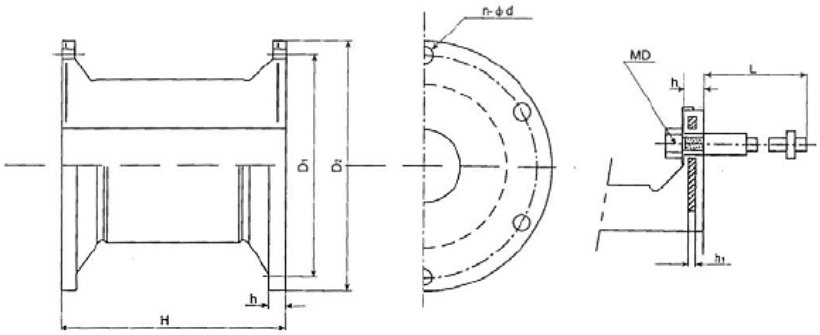


Possibility of installation with front steel panel UHMW-PE coated, to reduce the pressure front and reduce the coefficient of friction.

| Specifications | H | h | $D_1$ | $D_2$ | n x Ød | MD | $H_1$ | L |
|---|---|---|---|---|---|---|---|---|
| YGCH 400 | 400 | 25 | 550 | 650 | 4 x 30 | 22 | 10 | 270 |
| YGCH 500 | 500 | 25 | 550 | 650 | 4 x 32 | 24 | 12 | 300 |
| YGCH 600 | 630 | 30 | 700 | 840 | 4 x 39 | 30 | 14 | 330 |
| YGCH 800 | 800 | 30 | 900 | 1,050 | 6 x 40 | 32 | 14 | 360 |
| YGCH 1000 | 1,000 | 35 | 1,100 | 1,300 | 6 x 47 | 39 | 18 | 430 |
| YGCH 1150 | 1,150 | 40 | 1,300 | 1,500 | 6 x 50 | 42 | 22 | 500 |
| YGCH 1250 | 1,250 | 45 | 1,450 | 1,650 | 6 x 53 | 45 | 22 | 500 |
| YGCH 1450 | 1,450 | 47 | 1,650 | 1,850 | 6 x 61 | 52 | 26 | 570 |
| YGCH 1600 | 1,600 | 50 | 1,800 | 2,000 | 8 x 61 | 52 | 28 | 570 |
| YGCH 1700 | 1,700 | 55 | 1,900 | 2,100 | 8 x 66 | 56 | 30 | 620 |
| YGCH 2000 | 2,000 | 55 | 2,000 | 2,200 | 8 x 74 | 64 | 32 | 700 |
| YGCH 2250 | 2,250 | 60 | 2,300 | 2,550 | 10 x 74 | 64 | 36 | 700 |
| YGCH 2500 | 2,500 | 70 | 2,700 | 2,950 | 10 x 74 | 64 | 38 | 700 |
| YGCH 3000 | 3,000 | 75 | 3,150 | 3,350 | 10 x 90 | 76 | 40 | 800 |
| **Note: Units in mm** | | | | | | | | |

| Type | Deflection - 52.5% | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Performance | | | | | | | | | |
| | Low (RL) | | Standard (RO) | | High (RH) | | Super High 1 (RS) | | Super High 2 (RE) | |
| | F | E | F | E | F | E | F | E | F | E |
| YGCH 400 | 51 | 9 | 64 | 11 | 83 | 14 | 96 | 17 | 110 | 19 |
| YGCH 500 | 86 | 18 | 108 | 23 | 140 | 30 | 162 | 36 | 182 | 40 |
| YGCH 600 | 138 | 38 | 172 | 47 | 224 | 62 | 258 | 72 | 290 | 80 |
| YGCH 800 | 211 | 75 | 275 | 96 | 355 | 125 | 412 | 145 | 464 | 163 |
| YGCH 1000 | 349 | 153 | 436 | 191 | 567 | 249 | 655 | 287 | 737 | 324 |
| YGCH 1150 | 462 | 233 | 578 | 291 | 750 | 379 | 865 | 437 | 975 | 492 |
| YGCH 1250 | 546 | 299 | 682 | 374 | 886 | 486 | 1,022 | 531 | 1,153 | 632 |
| YGCH 1450 | 735 | 468 | 918 | 585 | 1,193 | 760 | 1,376 | 876 | 1,551 | 987 |
| YGCH 1600 | 894 | 628 | 1,117 | 768 | 1,453 | 1,020 | 1,676 | 1,177 | 1,888 | 1,326 |
| YGCH 1700 | 1,009 | 753 | 1,262 | 941 | 1,640 | 1,224 | 1,892 | 1,413 | 2,131 | 1,591 |
| YGCH 2000 | 1,398 | 1,227 | 1,746 | 1,534 | 2,270 | 1,994 | 2,619 | 2,300 | 2,941 | 2,591 |
| YGCH 2250 | 2,085 | 2,060 | 2,454 | 2,424 | 3,188 | 3,150 | 3,679 | 3,628 | 4,145 | 4,095 |
| YGCH 2500 | 2,574 | 2,826 | 3,028 | 3,325 | 3,937 | 4,322 | 4,543 | 4,987 | 5,118 | 5,618 |
| YGCH 3000 | 3,677 | 4,897 | 4,314 | 5,676 | 5,687 | 7,456 | | | | |
| **Tolerance: ±10% \| Reaction Force: F(KN) \| Energy Absorption: E(KN-M)** | | | | | | | | | | |


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