

Drive Up



PN Nut

The Pilgrim Nut (PN) is a hydraulic nut that has become the Marine Industry standard for Propeller installations where precision and accurate high loading is essential to produce a quick, safe and cost effective installation.

Hydraulic pressure is generated using Pilgrim's Morpress power pack linked to the Pilgrim Nut via flexible hose and self sealing quick release coupling. When Hydraulic pressure is applied, the piston of the Pilgrim Nut extends, thus pushing the propeller or rudder along the tapered shaft. The applied pressure and travel of the piston corresponds to the required push-up distance of the application.

Removal of the Propeller and Rudders can be simplified by reversing the Pilgrim Nut and using the Pilgrim Withdrawal equipment to pull the propeller or rudder off the taper.

The principle of the design of the Pilgrim Nut is universally accepted and approved by all major classification societies.

Typical Applications

- Popellers
- Tillers
- Pintles
- Rudderstocks

Benefits

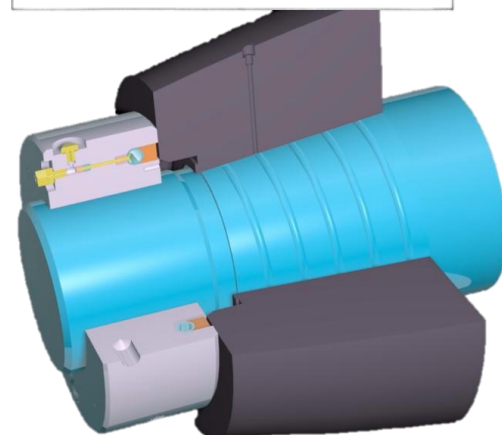
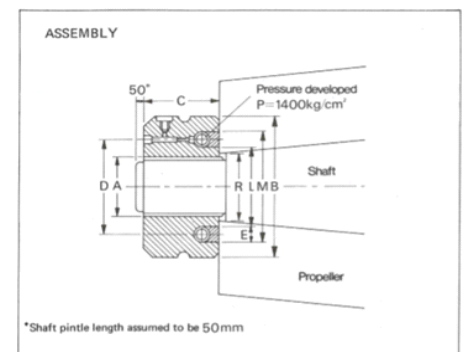
- Approved
- Accurate
- Cost Effective
- Reliable and Robust
- Installation & Removal



PROPORTIONS OF STANDARD MODEL PN NUT (1375 Bar)

TABLE 1

| Nut Type | A | Plain Bore Ø | B | C | D | E | Load ring Ring | | Max. Load Tons (P=1400kg/cm ²) | Weight Kg |
|----------|-----|--------------|------|-----|-------|------|----------------|------|---|--------------|
| | | | | | | | L | M | | |
| PN1 | 225 | 200 | 360 | 135 | 292.5 | 22.5 | 270 | 315 | 285 | 71 |
| PN2 | 250 | 225 | 400 | 150 | 325.0 | 25.0 | 300 | 350 | 350 | 86 |
| PN3 | 275 | 250 | 440 | 165 | 357.5 | 27.5 | 330 | 385 | 430 | 114 |
| PN4 | 300 | 275 | 480 | 180 | 390.0 | 30.0 | 360 | 420 | 510 | 148 |
| PN5 | 325 | 300 | 520 | 195 | 422.5 | 32.5 | 390 | 455 | 600 | 188 |
| PN6 | 350 | 325 | 560 | 210 | 455.0 | 35.0 | 420 | 490 | 690 | 236 |
| PN7 | 375 | 350 | 600 | 225 | 487.5 | 37.5 | 450 | 525 | 795 | 290 |
| PN8 | 400 | 375 | 640 | 240 | 520.0 | 40.0 | 480 | 560 | 905 | 356 |
| PN9 | 425 | 400 | 680 | 255 | 552.5 | 42.5 | 510 | 595 | 1020 | 423 |
| PN10 | 450 | 425 | 720 | 270 | 585.0 | 45.0 | 540 | 630 | 1145 | 502 |
| PN11 | 475 | 450 | 760 | 285 | 617.5 | 47.5 | 570 | 665 | 1275 | 590 |
| PN12 | 500 | 475 | 800 | 300 | 650.0 | 50.0 | 600 | 700 | 1415 | 688 |
| PN13 | 525 | 500 | 840 | 315 | 682.5 | 52.5 | 630 | 735 | 1560 | 797 |
| PN14 | 550 | 525 | 880 | 330 | 715.0 | 55.0 | 660 | 770 | 1710 | 916 |
| PN15 | 575 | 550 | 920 | 345 | 747.5 | 57.5 | 690 | 805 | 1870 | 1046 |
| PN16 | 600 | 575 | 960 | 360 | 780.0 | 60.0 | 720 | 840 | 2035 | 1189 |
| PN17 | 625 | 600 | 1000 | 375 | 812.5 | 62.5 | 750 | 875 | 2210 | 1344 |
| PN18 | 650 | 625 | 1040 | 390 | 845.0 | 65.0 | 780 | 910 | 2390 | 1512 |
| PN19 | 675 | 650 | 1080 | 405 | 877.5 | 67.5 | 810 | 945 | 2575 | 1693 |
| PN20 | 700 | 675 | 1120 | 420 | 910.0 | 70.0 | 840 | 980 | 2770 | 1888 |
| PN21 | 725 | 700 | 1160 | 435 | 942.5 | 72.5 | 870 | 1015 | 2970 | 2098 |
| PN22 | 750 | 725 | 1200 | 450 | 975.0 | 75.0 | 900 | 1050 | 3180 | 2322 |



Selection Procedure

Select L nearest in value equal to, or above R. Find corresponding value of A from Table 1 above and choose withdrawal equipment from Table 2

The Morpress Pump Range

Robust and designed with the operator in mind, The Mk 12 Morpress pump is perfect for use with a Pilgrim Nut .

