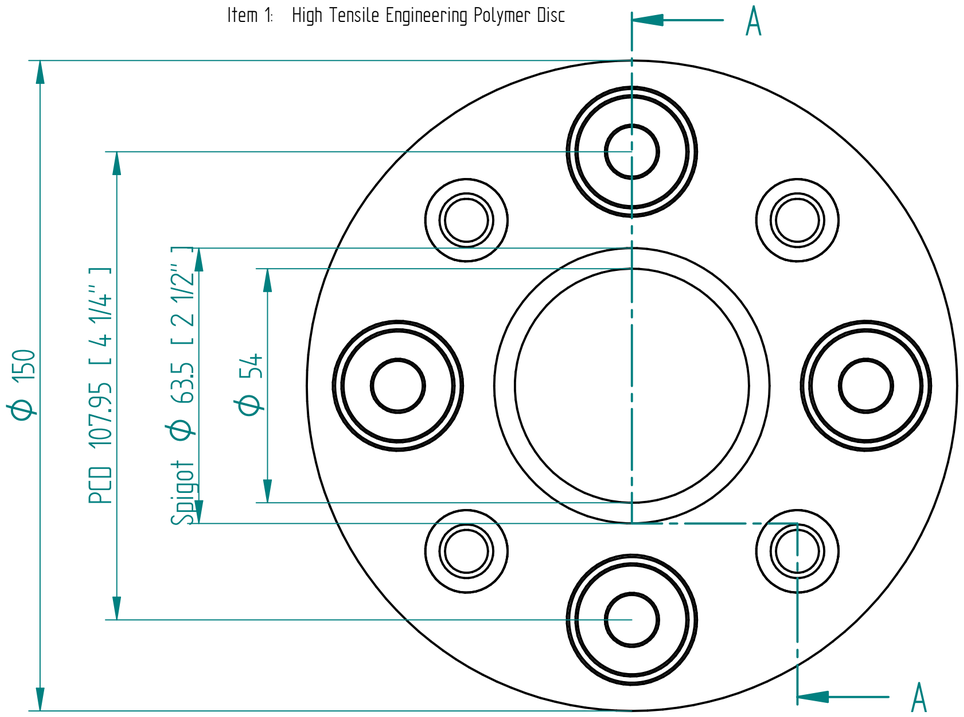
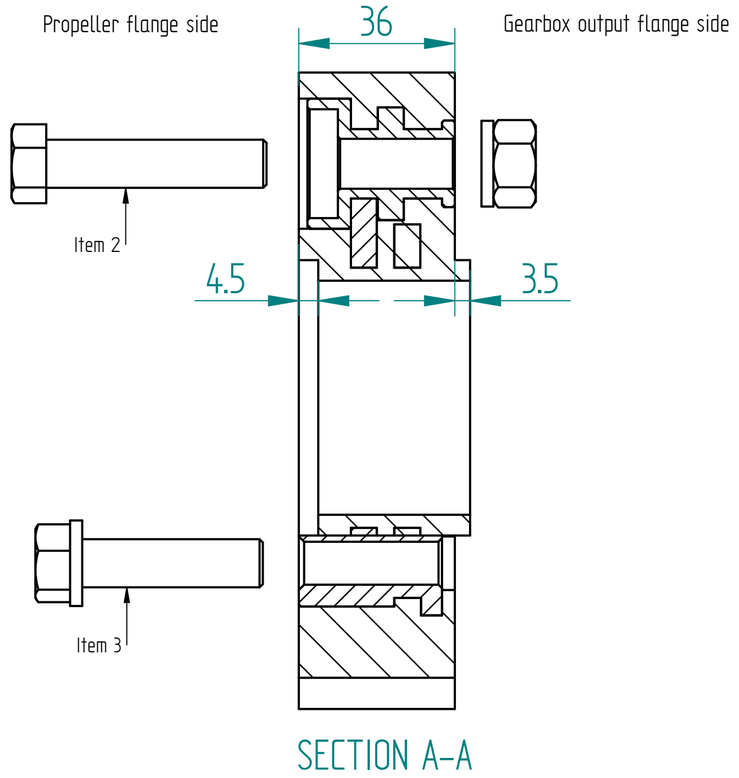
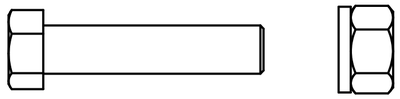
Item 1: High Tensile Engineering Polymer Disc




SECTION A-A



Item 2: $\frac{7}{16}$" UNF x 2" Hex Bolt, Nut and Spring Washer

# IFC-4500IV-HT

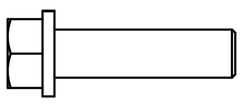
$\frac{7}{16}$" UNF Hex Bolts - AS2465 Grade 5 Zinc Plated

Bolt Shear Capacity 'Thread' [BSC] = 36kN
Bolt Pattern Shear Capacity [BPSC] = 7,772 Nm
Bolt Pattern Design Torque [BPDT] = 1,943 Nm

BDPT = $\frac{1}{4}$ x BPSC

IFC-4500IV-HT Coupling Ratings:
Pleasure craft = 2000 Nm
Intermediate = 1770 Nm
Continuous = 1180 Nm

IFC-4500IV-HT Coupling Weight = 1.5 kg

| Item 3 Hex Set Screw, Spring Washer and Optional Flat Washer | |
|---|---|
| For Prop Flange Thicknesses of less than 11mm | For Prop Flange Thicknesses of greater than 11mm, up to 17mm |
|  | |
| 7/16 UNF x 1 3/4" Hex Set Screw and Spring Washer | 7/16 UNF x 2" Hex Set Screw and Spring Washer |

*Note:
It is critical to ensure the bolt holding the prop shaft flange to the coupling has enough engagement with the coupling internal threaded insert. The bolt must also not protrude from the coupling to interfere with the gearbox flange.

In the event of a prop flange bolt (Item 3) bottoming out, use *Optional Flat Washer*

Please reach out to Isoflex incase of any questions

Copyright © 2026 Isoflex Technologies Pty Ltd

| TITLE | IFC4500IV-HT General Arrangement | |
|---|---|---|
| | NAME | DATE |
| DRAWN | Hugh Harris | 25/Jun/26 |
| CHECKED | Matthew McCart | 25/Jun/26 |
| APPR | Matthew McCart | 25/Jun/26 |

IsoFlex™ MINIMIZING VIBRATION

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | SIZE A2 | DWG NO IFC4500IV-HT | REV B6 |
|---|---|---|---|
| | FILE NAME: IFC4500IV-HT General Arrangement_B6.dft | | |
| SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE | SCALE: 1:1 | WEIGHT: | SHEET 1 OF 1 |