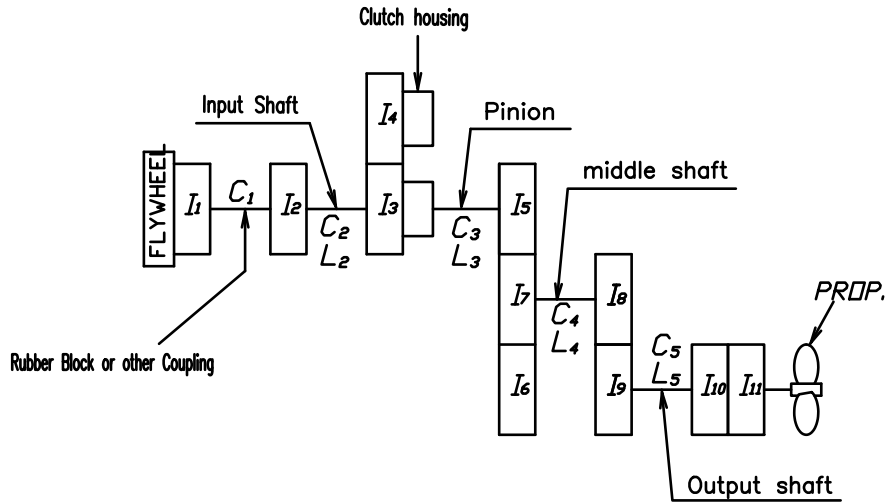
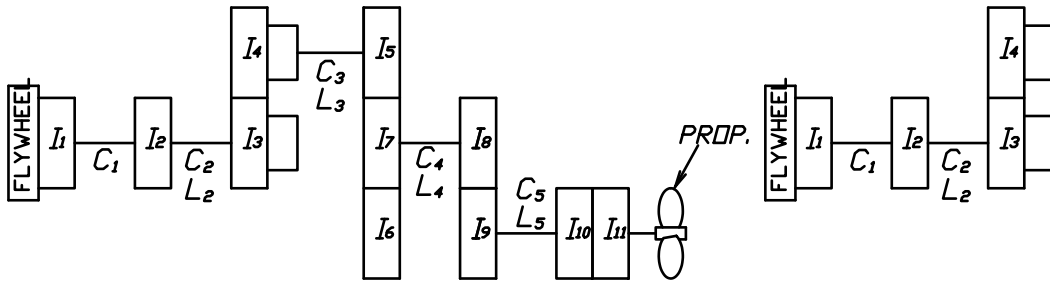


Counter Enginewise Rotation



Enginewise Rotation

Neutral



| Coupling Type | | Rubber Block Coupling | | Dual Stage Rubber Coupling | |
|---------------|-------------------------|-----------------------|-----------|----------------------------|-----------|
| | | SAE#2,3-11.5" | SAE#1-14" | SAE#2,3-11.5" | SAE#1-14" |
| Coupling | Driving ring I_i | 0.1494 | 0.6530 | 0.1434 | 0.7191 |
| | Spider I_o | 0.0489 | 0.1269 | 0.0356 | 0.1057 |
| | Input coupling I_c | 0.0022 | 0.0022 | 0.0022 | 0.0022 |
| | $\oplus + \oplus$ I_e | 0.0511 | 0.1291 | 0.0378 | 0.1079 |
| | C_i | 2.06 | 2.06 | 2.06 | 2.06 |

| Part | | Gear Ratio | | | | | | | |
|--|-------------------------|------------|--------|--------|--------|--------|--------|--------|--------|
| | | 1.21 | 1.54 | 1.84 | 2.12 | 2.52 | 2.74 | 3.26 | 3.76 |
| I_5, I_6 | Teeth No. | 41 | 35 | 31 | 28 | 37 | 35 | 31 | 28 |
| | L_3 | 4,698 | 4,950 | 5,303 | 5,797 | 4,824 | 4,950 | 5,303 | 5,797 |
| | d_o | 62.00 | ← | ← | ← | ← | ← | ← | ← |
| Pinion + Disc Plate | Pinion I_o | 0.0075 | 0.0044 | 0.0030 | 0.0022 | 0.0064 | 0.0044 | 0.0030 | 0.0022 |
| | Disc I_o | 0.0015 | ← | ← | ← | ← | ← | ← | ← |
| | $\oplus + \oplus$ I_5 | 0.0090 | 0.0059 | 0.0045 | 0.0037 | 0.0079 | 0.0059 | 0.0045 | 0.0037 |
| | C_3 | 2.0872 | 1.9810 | 1.8491 | 1.6917 | 2.0075 | 1.9810 | 1.8491 | 1.6917 |
| | C_1 | 2.0872 | 1.9810 | 1.8491 | 1.6917 | 2.0075 | 1.9810 | 1.8491 | 1.6917 |
| Wheel | Teeth No. | 66 | 72 | 76 | 79 | 70 | 72 | 76 | 79 |
| | I_7 | 0.0330 | 0.0487 | 0.0573 | 0.0673 | 0.0441 | 0.0487 | 0.0573 | 0.0673 |
| I_8 PINION, conical | Teeth No. | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 |
| | I_8 | 0.0054 | 0.0054 | 0.0054 | 0.0054 | 0.0159 | 0.0159 | 0.0159 | 0.0159 |
| I_9 GEAR, conical | Teeth No. | 40 | 40 | 40 | 40 | 30 | 30 | 30 | 30 |
| | I_9 | 0.0159 | 0.0159 | 0.0159 | 0.0159 | 0.0054 | 0.0054 | 0.0054 | 0.0054 |
| I_3 Clutch Housing Assy [Ahead parts] | Teeth No. | 45 | ← | ← | ← | ← | ← | ← | ← |
| | Clutch Plate I_c | 0.0136 | ← | ← | ← | ← | ← | ← | ← |
| | Sinter I_c | 0.0026 | ← | ← | ← | ← | ← | ← | ← |
| | $\oplus + \oplus$ I_3 | 0.0162 | ← | ← | ← | ← | ← | ← | ← |
| I_4 Clutch Housing Assy [Astern parts] | Teeth No. | 45 | ← | ← | ← | ← | ← | ← | ← |
| | Clutch Plate I_c | 0.0136 | ← | ← | ← | ← | ← | ← | ← |
| | Sinter I_c | 0.0026 | ← | ← | ← | ← | ← | ← | ← |
| | $\oplus + \oplus$ I_4 | 0.0162 | ← | ← | ← | ← | ← | ← | ← |
| I_{10} Output Coupling | I_{10} | 0.0180 | ← | ← | ← | ← | ← | ← | |
| I_{11} Companion Coupling | I_{11} | 0.0162 | ← | ← | ← | ← | ← | ← | |
| | L_2 | 77,643 | ← | ← | ← | ← | ← | ← | |
| | d_o | 42.00 | ← | ← | ← | ← | ← | ← | |
| | C_2 | 0.1263 | ← | ← | ← | ← | ← | ← | |
| | L_4 | 7,416 | ← | ← | ← | ← | ← | ← | |
| middle Shaft | d_o | 55.024 | ← | ← | ← | ← | ← | ← | |
| | C_4 | 1.3224 | ← | ← | ← | ← | ← | ← | |
| | L_5 | 25,653 | ← | ← | ← | ← | ← | ← | |
| | d_o | 55.024 | ← | ← | ← | ← | ← | ← | |
| | C_5 | 0.3823 | ← | ← | ← | ← | ← | ← | |

REMARK

- I_{α} = Moment of inertia [kg.m²]
- d_o = MIN, Shaft DIA. [mm]
- L = Equivalent length (Calculated as shaft DIA. of 187.2mm) [mm]
- Stiffness Unit (C_n) [MNm/rad]

| SYM. | DESCRIPTION | POSITION | REVISION | DATE | REV'D | APP'D |
|------|-------------|----------|----------|------|-------|-------|
| | | | | | | |
| | | | | | | |

| | | | | | | |
|---------------------|------------|-------|----------|----------|---------------------|-------------------|
| MATERIAL | | | | TYPE | DMT100IV | ORIGINAL DWG. NO. |
| DATE | 2016.05.26 | SCALE | N/S | NAME | MASS ELASTIC SYSTEM | |
| APPROVED BY | CHECKED BY | DRAWN | DESIGNED | DWG. NO. | V100000-2 | REV. 000 |
| © D-I IND CO., LTD. | | | | SIZE | A3 | CODE ID. NO. |