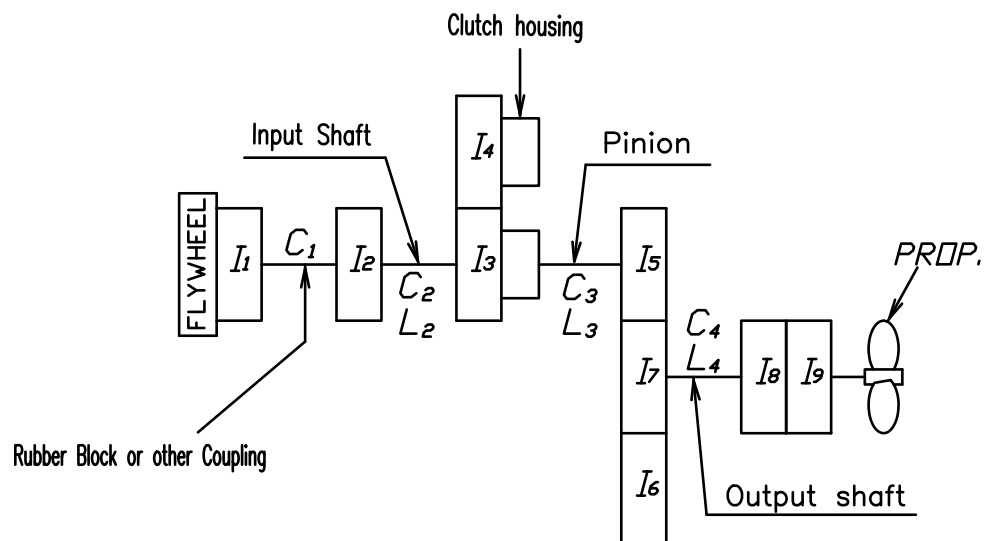
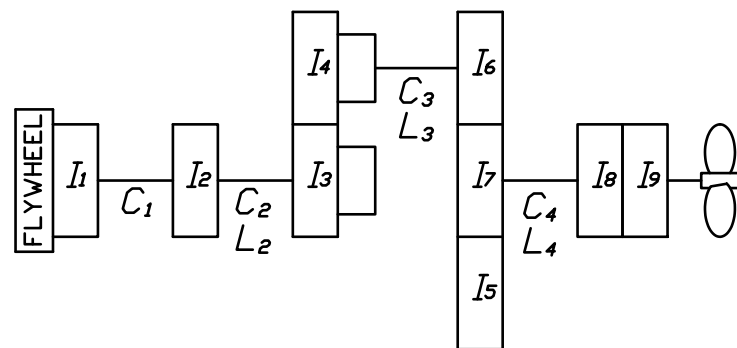


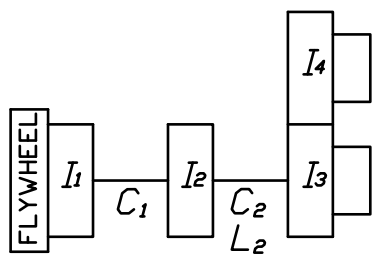
Counter Enginewise Rotation



Enginewise Rotation



Neutral



REMARK

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

| | | [Model : CR-50] SAE# 0-18" | | | | | | | |
|-----------------|-------------------------|-------------------------------------|----------------------|----------------------------|-----------|----------------------------|--------|----------------------------|--|
| | | 5% | 10% | 25% | 50% | 75% | 100% | | |
| Coupling Type 3 | Centa Flexible Coupling | I_1 | 0.8454 | ← | ← | ← | ← | ← | |
| | | I_2 | 0.5593 | ← | ← | ← | ← | ← | |
| | | $I_1 + I_2$ | 0.14047 | ← | ← | ← | ← | ← | |
| | | C_1 | 0.011 | 0.022 | 0.064 | 0.22 | 0.322 | 0.425 | |
| Coupling Type 2 | HC Coupling | | | [Model : HC 4000] SAE# 14" | | [Model : HC 4000] SAE# 18" | | [Model : HC 8000] SAE# 18" | |
| | | | | HS 60 | HS 65 | HS 60 | HS 65 | HS 57 | |
| | | I_1 | Driving ring I_1 | 0.2570 | ← | 0.2570 | ← | 0.8999 | |
| | | | Outer Stopper I_2 | 0.4512 | ← | 1.6156 | ← | 0.4363 | |
| | | I_2 | $I_1 + I_2$ | 0.7082 | ← | 1.9726 | ← | 1.3362 | |
| | | | Spider I_3 | 0.4082 | ← | 0.4082 | ← | 0.7898 | |
| | | Dummy I_4 | 0.0765 | ← | 0.0765 | ← | 0.2610 | | |
| | | Input coupling I_5 | 0.0314 | ← | 0.0314 | ← | 0.0314 | | |
| | | Inner Stopper I_6 | 0.1565 | ← | 0.1565 | ← | 0.2929 | | |
| | | $I_1 + I_2 + I_3 + I_4 + I_5 + I_6$ | 0.6726 | ← | 0.6726 | ← | 1.3751 | | |
| C_1 | 0.029 | 0.040 | 0.029 | 0.040 | 0.067 | | | | |
| Coupling Type 1 | Rubber Coupling | | | Rubber Block Coupling | | | | | |
| | | | | SAE#1-14" | SAE#0-18" | | | | |
| | | I_1 | Driving ring I_1 | 0.7151 | 1.5276 | | | | |
| | | | Spider I_2 | 0.4933 | 0.5811 | | | | |
| | | I_2 | Input coupling I_3 | 0.0314 | 0.0314 | | | | |
| $I_1 + I_2$ | 0.5247 | | 0.6125 | | | | | | |
| C_1 | 2.06 | 2.06 | | | | | | | |

| Part | Gear Ratio | 1.43 | 1.64 | 1.81 | 2.03 | 2.33 | 2.6 | 2.91 |
|-----------------------------------------|-----------------------------------------|--------------|--------------|--------|--------|--------|--------|--------|
| | | I_5, I_6 | Teeth No. 37 | 34 | 32 | 30 | 27 | 25 |
| Pinion + Disc Plate | L_3 | 1,061 | 1,112 | 1,160 | 1,231 | 1,410 | 1,620 | 1,990 |
| | d_o | 119.0 | ← | ← | ← | ← | ← | ← |
| | Pinion I_5 | 0.1151 | 0.0854 | 0.0690 | 0.0585 | 0.0382 | 0.0293 | 0.0221 |
| | Disc I_6 | 0.0193 | ← | ← | ← | ← | ← | ← |
| | $I_5 + I_6$ | 0.1344 | 0.1047 | 0.0883 | 0.0778 | 0.0575 | 0.0486 | 0.0414 |
| C_3 | | 9.2443 | 8.8220 | 8.4554 | 7.9646 | 6.9571 | 6.0530 | 4.9277 |
| | Wheel I_7 | Teeth No. 53 | 56 | 58 | 61 | 63 | 65 | 67 |
| I_7 | | 0.3513 | 0.4546 | 0.4912 | 0.6069 | 0.6606 | 0.6949 | 0.8147 |
| | I_3 Clutch Housing Assy [Ahead parts] | Teeth No. 44 | ← | ← | ← | ← | ← | ← |
| CH+Piston+Plate I_3 | | 0.1713 | ← | ← | ← | ← | ← | |
| Sinterd I_3 | | 0.0225 | ← | ← | ← | ← | ← | |
| $I_3 + I_4$ | | 0.1938 | ← | ← | ← | ← | ← | |
| I_4 Clutch Housing Assy [Aster parts] | Teeth No. 44 | ← | ← | ← | ← | ← | ← | |
| | CH+Piston+Plate I_4 | 0.1713 | ← | ← | ← | ← | ← | |
| | Sinterd I_4 | 0.0225 | ← | ← | ← | ← | ← | |
| | $I_3 + I_4$ | 0.1938 | ← | ← | ← | ← | ← | |
| I_8 Output Coupling | I_8 | 0.1778 | ← | ← | ← | ← | ← | |
| | I_9 Companion Coupling | I_9 | 0.2188 | ← | ← | ← | ← | |
| Input Shaft | | L_2 | 10,565 | ← | ← | ← | ← | |
| | d_o | 77.50 | ← | ← | ← | ← | | |
| | C_2 | 0.9282 | ← | ← | ← | ← | | |
| Output Shaft | L_4 | 3,388.1 | ← | ← | ← | ← | | |
| | d_o | 109 | ← | ← | ← | ← | | |
| | C_4 | 2.8945 | ← | ← | ← | ← | | |

| SYM. | DESCRIPTION | POSITION | REVISION | DATE | REV'D | APP'D |
|------|----------------------------|----------|----------|----------|--------|-------|
| △1 | Centa Flexible Coupling 추가 | D4 | 001 | 16.09.23 | B.Shin | |

| | | | | | | | | | | | |
|----------------|--|------------|--|-----------------|--|----------|--|--------------------------|--|-------------------|--|
| MATERIAL | | | | DATE 2016.09.23 | | SCALE | | TYPE DMT550H | | ORIGINAL DWG. NO. | |
| APPROVED BY | | CHECKED BY | | DRAWN | | DESIGNED | | NAME MASS ELASTIC SYSTEM | | REV. 001 | |
| Kim J.H. | | KS.Han | | KS.Han | | KS.Han | | DWG. NO. 500000-2 | | REV. 001 | |
| D-I INDUSTRIAL | | | | | | | | SIZE A | | CODE ID. NO. | |