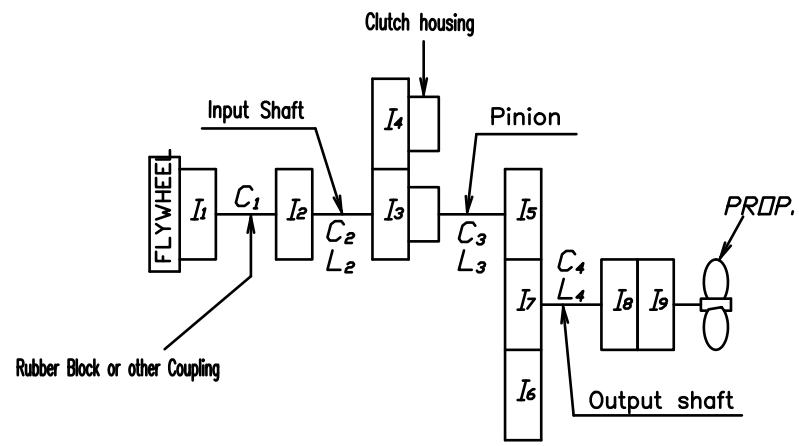
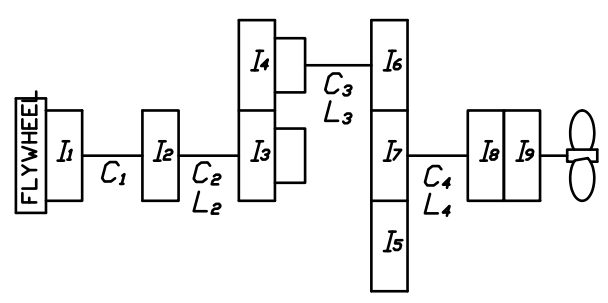


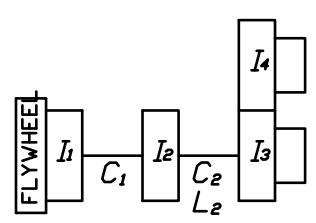
Counter Enginewise Rotation



Enginewise Rotation



Neutral



REMARK

1.  $I_x$  = Moment of inertia [kg.m<sup>2</sup>]
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]

OPTION 1	Coupling Type	[Model : CFR-420] SAE# 18"					
		5%	10%	25%	55%	75%	100%
$I_1$ $I_2$ Flexible Coupling Centa Flexible Coupling	Driving ring $I_1$	0.5903	←	←	←	←	←
	Spider $I_0$	0.5563	←	←	←	←	←
	Input coupling $I_0$	0.0300	←	←	←	←	←
	$\oplus + \oplus$ $I_2$	0.5863	←	←	←	←	←
	$C_1$	0.008	0.0175	0.043	0.163	0.25	0.34
		[Model : CFR-318] SAE# 14"					
$I_1$ $I_2$ Coupling	Driving ring $I_1$	0.2272	←	←	←	←	←
	Spider $I_0$	0.1916	←	←	←	←	←
	$\oplus + \oplus$ $I_2$	0.2216	←	←	←	←	←
	$C_1$	0.006	0.012	0.023	0.074	0.115	0.178
			Rubber Block Coupling				
		SAE#1-14"	SAE#0-18"				
$I_1$ $I_2$ Coupling	Driving ring $I_1$	0.7151	1.5513				
	Spider $I_0$	0.4933	←				
	Input coupling $I_0$	0.0300	←				
	$\oplus + \oplus$ $I_2$	0.5233	←				
	$C_1$	2.06	←				

Part		Gear Ratio					
		2.06	2.44	2.93	3.23	3.4	
$I_5, I_6$	Teeth No.	36	32	28	26	25	
	$L_3$	683.1	747.9	877.5	994.2	1378.9	
	$d_o$	119.0	←	←	←	←	
	Pinion + Disc Plate	Pinion $I_0$	0.082	0.055	0.036	0.028	0.025
		Disc $I_0$	0.0178	←	←	←	←
$\oplus + \oplus$ $I_5$		0.0998	0.0728	0.0538	0.0458	0.0428	
	$C_3$	14.356	13.112	11.176	9.864	7.112	
$I_7$ Wheel	Teeth No.	74	78	82	84	85	
	$I_7$	0.895	1.174	1.498	1.678	1.773	
$I_3$ Clutch Housing Assy [Ahead parts]	Teeth No.	44	←	←	←	←	
	CH/Plate $I_0$	0.1726	←	←	←	←	
	Sinter $I_0$	0.0205	←	←	←	←	
	$\oplus + \oplus$ $I_3$	0.1931	←	←	←	←	
$I_4$ Clutch Housing Assy [Astern parts]	Teeth No.	44	←	←	←	←	
	CH/Plate $I_0$	0.1726	←	←	←	←	
	Sinter $I_0$	0.0205	←	←	←	←	
	$\oplus + \oplus$ $I_4$	0.1931	←	←	←	←	
$I_8$ Output Coupling	$I_8$	0.2206	←	←	←	←	
$I_9$ Companion Coupling	$I_9$	0.2445	←	←	←	←	
Input Shaft	$L_2$	14,218	←	←	←	←	
	$d_o$	72.00	←	←	←	←	
	$C_2$	0.6897	←	←	←	←	
Output Shaft	$L_4$	1,674	←	←	←	←	
	$d_o$	139.04	←	←	←	←	
	$C_4$	5.857	←	←	←	←	

MATERIAL				TYPE		ORIGINAL DWG. NO.	
DATE		SCALE		DMT430H			
2007.09.04				NAME		MASS ELASTIC SYSTEM	
APPROVED BY	CHECKED BY	DRAWN	DESIGNED	DWG. NO.		REV.	
		SHIN.I.B		4 3 0 0 0 0-2		000	
D-I INDUSTRIAL				SIZE	A	CODE ID. NO.	