

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	MASS	MATERIAL	CATEGORY
1	1	HBG1-001	INPUT SHAFT	2.324 kg	Steel 4140	
2	1	HBG1-002	INPUT SHAFT LOWER BEARING HOUSING	2.250 kg	Steel	
3	1	HBG1-004	INPUT SHAFT UPPER BEARING HOUSING	2.040 kg	Steel	
4	1	HBG1-005	MOTOR HOUSING	2.713 kg	Steel	
5	2	HBG1-006	MOTOR STUD	0.699 kg	Steel	
6	1	HBG1-007	OUTPUT SHAFT	16.697 kg	Steel 4140	
7	1	HBG1-008	OUTPUT SHAFT LOWER BEARING HOUSING	8.672 kg	Steel	
8	1	HBG1-009	OUTPUT SHAFT LOWER SEAL HOUSING	2.879 kg	Steel	
9	1	HBG1-010	OUTPUT SHAFT UPPER BEARING HOUSING	9.444 kg	Steel	
10	1	HBG1-011	OUTPUT SHAFT UPPER SEAL HOUSING	1.329 kg	6061	
11	1	HBG1-012	OUTPUT SHAFT PRELOAD NUT	1.802 kg	Steel	
12	1	HBG1-013	BOX LID	16.579 kg	Steel	
13	1	HBG1-014	BOX RIM	21.686 kg	Steel	
14	1	HBG1-015	BOX BASE	16.564 kg	Steel	
15	1	HBG1-016	DRIVE SUB	7.260 kg	Steel	
16	1	HBG1-017	LOCKRING	0.165 kg	Steel	
17	1	HBG1-018	OUTPUT SHAFT KEY	0.108 kg	Steel 4140	
18	1	HBG1-019	INPUT SHAFT KEY	0.069 kg	Steel 4140	
19	1	Spur Gear11	INPUT PINION	5.012 kg	Steel	
20	1	Spur Gear21	OUTPUT GEAR	20.864 kg	Steel	
21	1	30220 - 100 x 180 x 37	OUTPUT SHAFT LOWER TAPERED BEARING	2.852 kg	Steel	
22	1	30218 - 90 x 160 x 32.5	OUTPUT SHAFT UPPER TAPERED BEARING	1.969 kg	Steel	
23	2	Bearing 6011	INPUT SHAFT BEARINGS	0.357 kg	Steel	
24	1	AN18 NUT M90 x 2 x 108	OUTPUT SHAFT LOCKNUT	0.601 kg	Steel	
25	1	AW18	LOCKWASHER	0.065 kg	Steel	
26	1	TC12665 upper seal	OUTPUT SHAFT UPPER SEAL	0.015 kg	Rubber	
27	2	TC12718 lower seal	OUTPUT SHAFT LOWER SEAL	0.029 kg	Rubber	
28	2	OR110 X 3	INPUT SHAFT LOWER/UPPER BEARING HOUSINGS	0.003 kg	Rubber	
29	1	OR140 X 3	INPUT SHAFT UPPER BEARING HOUSING	0.003 kg	Rubber	
30	1	OR170 X 3	OUTPUT SHAFT SEAL HOUSING	0.004 kg	Rubber	
31	1	OR190 X 3	OUTPUT SHAFT LOWER HOUSING	0.004 kg	Rubber	
32	1	OR205 X 3	OUTPUT SHAFT UPPER BEARING HOUSING	0.004 kg	Rubber	
33	1	OR215 X 3	OUTPUT SHAFT LOWER HOUSING	0.004 kg	Rubber	
34	1	DI400-0950AAP 90 X 3	OUTPUT SHAFT CIRCLIP	0.03987 kg	Steel	
35	1	DI400-0600AAP 60 X 2	INPUT SHAFT CIRCLIP	0.01241 kg	Steel	
36	4	M22x1.5	MOTOR STUD NUTS	0.099 kg	STEEL	
37	32	M12 x 40	SOCKET HEAD CAP SCREW	0.054 kg	STEEL	
38	12	M8 x 30	SOCKET HEAD CAP SCREW	0.019 kg	STEEL	
39	4	M16 x 60	SOCKET HEAD CAP SCREW	0.138 kg	STEEL	
40	2	M8 x 10	SLOTTED CAPSTAN SCREW	0.011 kg	STEEL	
41	1	DRIVE MOTOR	DRIVE MOTOR	N/A	N/A	

Designed by PJS	Checked by	Approved by	Date	Date 14/04/2010	
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