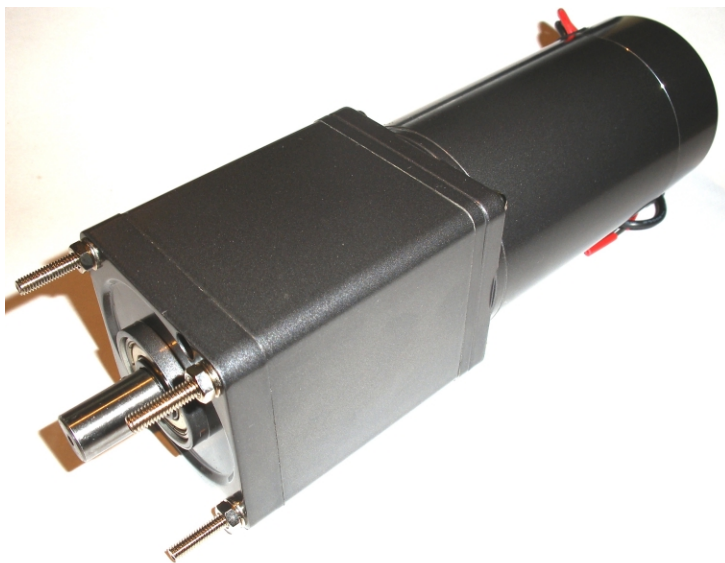


995D SERIES 60mm DIA EPICYCLIC GEARED MOTOR. METAL GEARBOX



(RE 995 MOTOR)

IMPORTANT NOTICE
Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

RATIOS NOW AVAILABLE

995D41	(12v)	RATIO 4:1	995D41/24V	(24v)
995D531	(12v)	RATIO 53:1	995D531/24V	(24v)
995D1001	(12v)	RATIO 100:1	995D1001/24V	(24v)
995D4881	(12v)	RATIO 488:1	995D4881/24V	(24v)

Designed for industrial applications this robust unit boasts a powerful high quality 12 pole motor with carbon brushes & ball raced bearings. The metal gearbox incorporates ballrace bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

MOTOR DATA. 12v d.c.

MODEL	VOLTAGE		NO LOAD		MAX EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	STALL TORQUE	
			R.P.M.	A	R.P.M.	A	oz - in	g - cm	W	%	g - cm	
RE995 (12V)	12.0v	12v CONSTANT	5100	1.5	4760	3.3		700	34.2	86		3850

MOTOR DATA. 24v d.c.

MODEL	VOLTAGE		NO LOAD		MAX EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	STALL TORQUE	
			R.P.M.	A	R.P.M.	A	oz - in	g - cm	W	%	g - cm	
RE995 (24V)	24V	24v CONSTANT	5100	0.8	4830	2.4		1000	49.6	86		5500

REDUCTION TABLE. R.P.M. (NO LOAD) 12v TYPE.

SUPPLY VOLTAGE	12.0v
995D41	1275
995D531	96
995D1001	51
995D4881	10

REDUCTION TABLE. R.P.M. (NO LOAD) 24v TYPE.

SUPPLY VOLTAGE	24.0v
995D41/24V	1275
995D531/24V	96
995D1001/24V	51
995D4881/24V	10

GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

At 12V (g.cm)	
4:1	2240
53:1	22260
100:1	42000
488:1	100000

995D SERIES	
No load Backlash:	Max 3 deg.
Max Radial Load: (10mm from flange)	20000g.cm.
Shaft Axial Load:	10000g.cm.

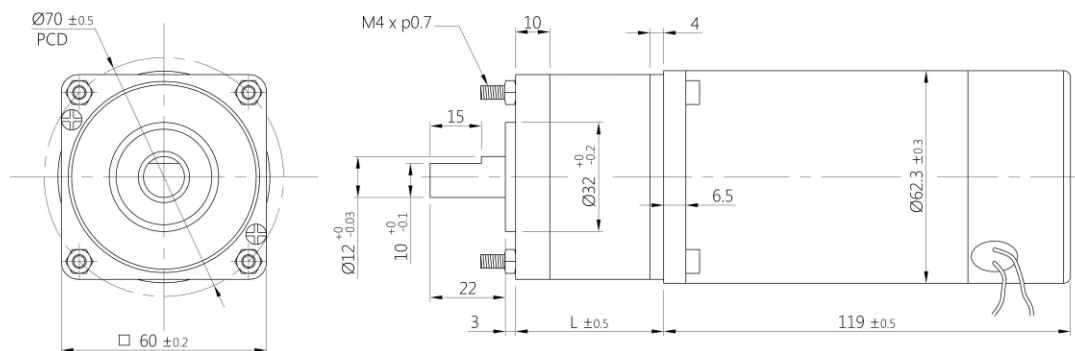
WEIGHT. Kg.	
995D41	1.60kg
995D531	2.13kg
995D1001	2.13kg
995D4881	2.36kg

Note: Motor speeds may vary by (+) or (-) 12.5%

IMPORTANT NOTICE
At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears.

NOTE: To establish Torque Rating in Nm divide g.cm by 10,197.0

995D SERIES 60mm DIA (EPICYCLIC) METAL GEARBOX (RE 995 MOTOR)



GEARBOX REF.	L
995D41 (4:1)	43.3
995D531 (53:1)	74.3
995D1001 (100:1)	74.3
995D4881 (488:1)	89.8

ADVANTAGES OF PLANETARY GEARBOXES.

EFFICIENCY:	Efficiencies of planetary gearboxes can be above 90% while some other types of transmission can be 50% or less. This allows the use of smaller motors.
SIZE:	Planetary gearboxes can be half the size of conventional boxes.
WEIGHT:	Weight savings can be as high as 60%, allowing smaller, lighter support structures.
MAINTENANCE:	Other than routine oil changes, no maintenance is required, eliminating the need to hold spares.
REVERSIBLE:	Planetary gears can be equally efficient in either direction. This is an advantage for use in running machinery in both clockwise and anti-clockwise directions.
COAXIAL:	The coaxial configuration of input and output shafts allows planetary gears to be installed in line with a motor and a machine.

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above.

Details of individual gearboxes are available upon request.

Gearbox 3:1 with 995 motor
 Gearbox 43:1 with 995 motor
 Gearbox 113:1 with 995 motor
 Gearbox 353:1 with 995 motor

Gearbox 12:1 with 995 motor
 Gearbox 53:1 with 995 motor
 Gearbox 150:1 with 995 motor
 Gearbox 546:1 with 995 motor

Gearbox 15:1 with 995 motor
 Gearbox 66:1 with 995 motor
 Gearbox 230:1 with 995 motor
 Gearbox 676:1 with 995 motor

Gearbox 19:1 with 995 motor
 Gearbox 81:1 with 995 motor
 Gearbox 285:1 with 995 motor