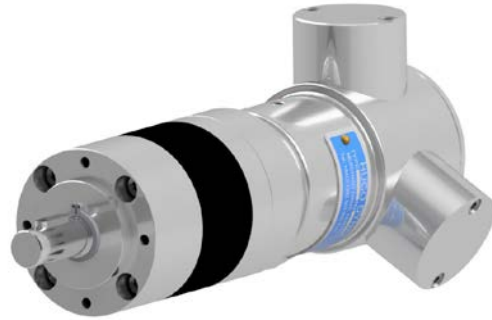


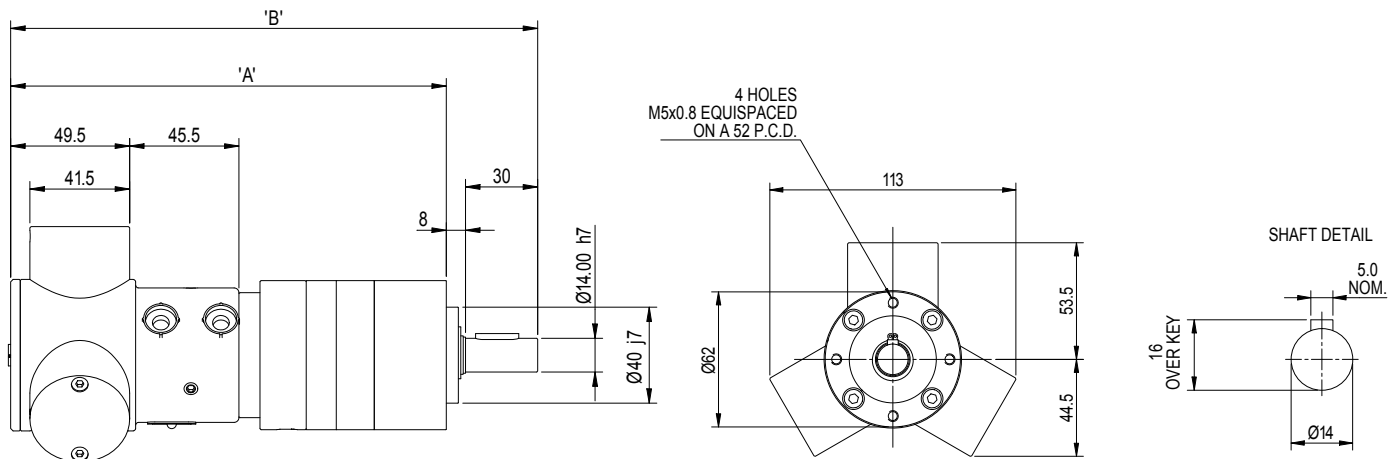
Geared Motors Planetary Gearboxes

Key Data: Dynatork 1 Aluminium - Motor Ref: 971.15

Maximum diameter (mm)	130
Output shaft dia.(mm)	14
Output shaft effective length (mm)	30
Maximum radial shaft load (N)	520
at (L) distance from face (mm)	10
Max. continuous output torque (Nm)	40
Weight 1 stage (kg)	4.87
Weight 2 stage (kg)	5.37
Weight 3 stage (kg)	5.87
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)



- Robust, Compact and efficient planetary gear units
- Ratios from 3.7:1 to 308:1
- Output speeds from 0.6 to 162 rev/min
- Maximum continuous output torque for single stage gearboxes is 8Nm, two stage 25Nm and three stage 40 Nm.



Dynatork 1	Dim A	Dim B
1-Stage	181mm	219mm
2-Stage	197mm	235mm
3-Stage	213mm	251mm

HOW TO ORDER
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - 971.15.09 = non lube, three stage, 93:1 ratio

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	971.15	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		3.7	6.75	13.73	19.2	25	29	46	51	93	169	308
600	•	162.2	88.9	43.7	31.3	24	20.7	13.0	11.8	6.5	3.6	1.9
500	•	135.1	74.1	36.4	26.0	20	17.2	10.9	9.8	5.4	3.0	1.6
400	•	108.1	59.3	29.1	20.8	16	13.8	8.7	7.8	4.3	2.4	1.3
300	•	81.1	44.4	21.8	15.6	12	10.3	6.5	5.9	3.2	1.8	1.0
200	•	54.1	29.6	14.6	10.4	8	6.9	4.3	3.9	2.2	1.2	0.6
		Single Stage			Two Stage				Three Stage			

For Output Torque

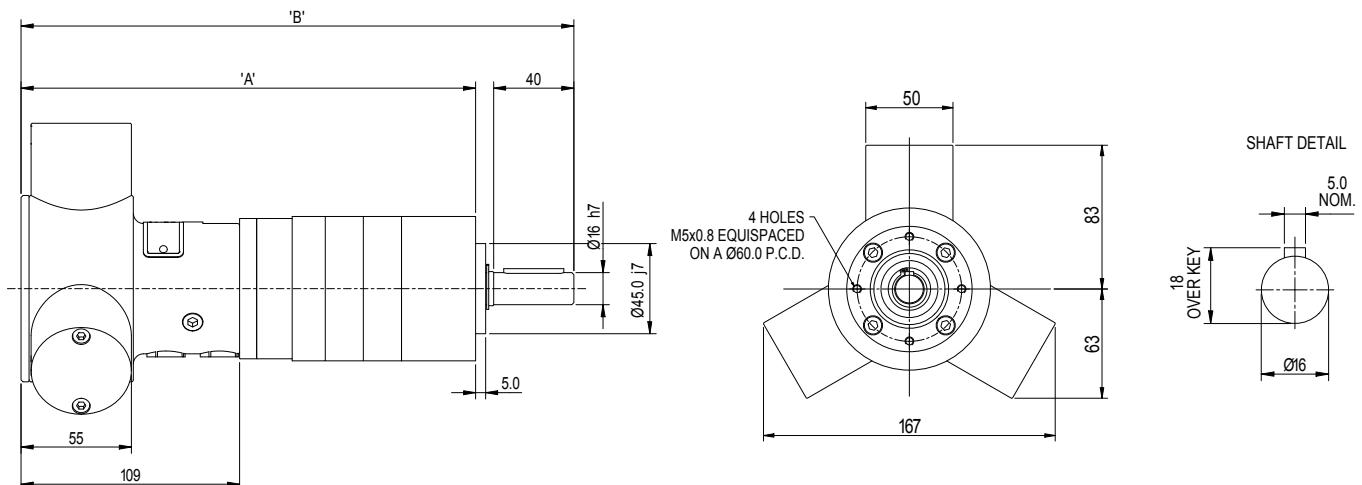
- 1 Locate the motor speed on the torque/speed graph on page 4 (size 1) or page 6 (size 3)
- 2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis
- 3 Multiply this value by the chosen ratio to give the output torque

Geared Motors Planetary Gearboxes

Key Data: Dynatork 2 Aluminium - Motor Ref: 971.25

Maximum diameter (mm)	210	
Output shaft dia.(mm)	16	
Output shaft effective length (mm)	40	
Maximum radial shaft load (N)	600	
at (L) distance from face (mm)	20	
Max. continuous output torque (Nm)	80	
Weight 1 stage (kg)	5.85	
Weight 2 stage (kg)	6.85	
Weight 3 stage (kg)	8.85	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- Robust, Compact and efficient planetary gear units
- Ratios from 3.7:1 to 308:1
- Output speeds from 0.32 to 135 rev/min
- Maximum continuous output torque for single stage gearboxes is 20Nm, two stage 60Nm and three stage 80 Nm.



Dynatork 2	Dim A	Dim B
1-Stage	207.75mm	256.75mm
2-Stage	226.75mm	275.75mm
3-Stage	245.75mm	294.75mm

HOW TO ORDER
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - 971.25.09 = non lube, three stage, 93:1 ratio

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	971.25	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		3.7	6.75	13.73	19.2	25	29	46	51	93	169	308
500	•	135.1	74.1	36.4	26.0	20	17.2	10.9	9.8	5.4	3.0	1.6
400	•	108.1	59.3	29.1	20.8	16	13.8	8.7	7.8	4.3	2.4	1.3
300	•	81.1	44.4	21.8	15.6	12	10.3	6.5	5.9	3.2	1.8	1.0
200	•	54.1	29.6	14.6	10.4	8	6.9	4.3	3.9	2.2	1.2	0.6
100	•	27.0	14.8	7.3	5.2	4	3.4	2.2	2.0	1.1	0.6	0.3
		Single Stage			Two Stage				Three Stage			

For Output Torque

- 1 Locate the motor speed on the torque/speed graph on page 4 (size 1) or page 6 (size 3)
- 2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis
- 3 Multiply this value by the chosen ratio to give the output torque

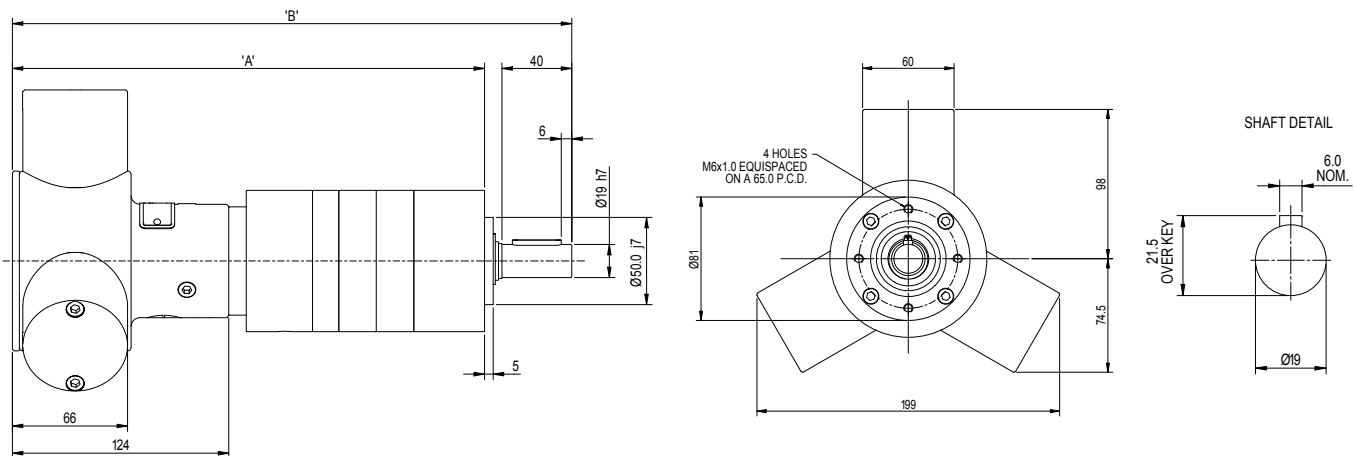
Geared Motors Planetary Gearboxes

Key Data: Dynatork 3 Aluminium - Motor Ref: 971.35

Maximum diameter (mm)	210
Output shaft dia.(mm)	19
Output shaft effective length (mm)	40
Maximum radial shaft load (N)	600
at (L) distance from face (mm)	20
Max. continuous output torque (Nm)	80
Weight 1 stage (kg)	5.85
Weight 2 stage (kg)	6.85
Weight 3 stage (kg)	8.85
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)



- Robust, Compact and efficient planetary gear units
- Ratios from 3.7:1 to 308:1
- Output speeds from 0.32 to 135 rev/min
- Maximum continuous output torque for single stage gearboxes is 20Nm, two stage 60Nm and three stage 80 Nm.



Dynatork 3	Dim A	Dim B
1-Stage	249mm	298mm
2-Stage	270.5mm	319.5mm
3-Stage	292mm	341mm

HOW TO ORDER
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - 971.35.09 = non lube, three stage, 93:1 ratio

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	971.35	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		3.7	6.75	13.73	19.2	25	29	46	51	93	169	308
500	•	135.1	74.1	36.4	26.0	20	17.2	10.9	9.8	5.4	3.0	1.6
400	•	108.1	59.3	29.1	20.8	16	13.8	8.7	7.8	4.3	2.4	1.3
300	•	81.1	44.4	21.8	15.6	12	10.3	6.5	5.9	3.2	1.8	1.0
200	•	54.1	29.6	14.6	10.4	8	6.9	4.3	3.9	2.2	1.2	0.6
100	•	27.0	14.8	7.3	5.2	4	3.4	2.2	2.0	1.1	0.6	0.3
		Single Stage			Two Stage				Three Stage			

For Output Torque

- 1 Locate the motor speed on the torque/speed graph on page 4 (size 1) or page 6 (size 3)
- 2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis
- 3 Multiply this value by the chosen ratio to give the output torque