Key Data: Dynatork 1 Aluminium - Motor Ref: 971.15

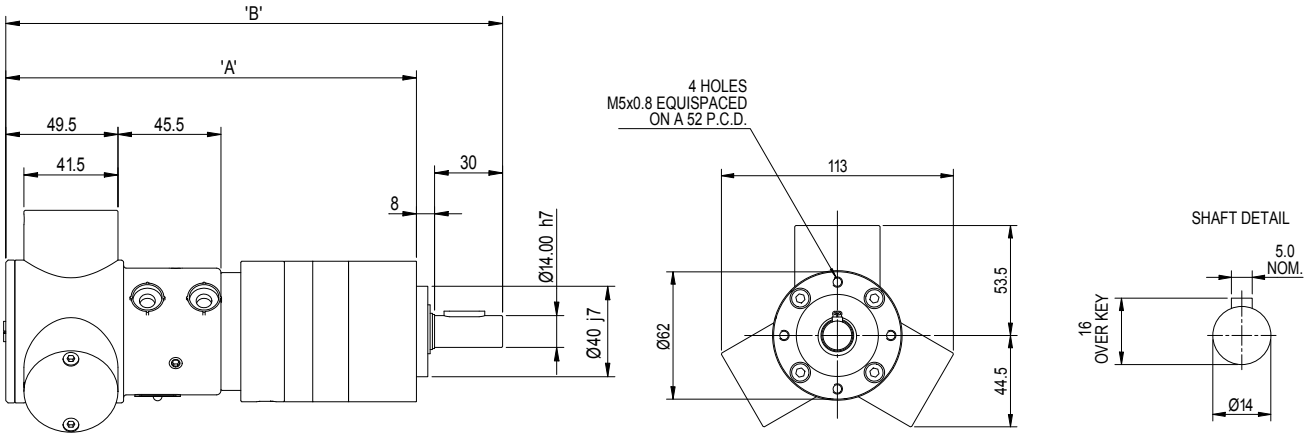
Maximum diameter (in)	5.12
Output shaft dia.(in)	0.55
Output shaft effective length (in)	1.181
Maximum radial shaft load (lb)	166
at (L) distance from face (in)	0.394
Max. continuous output torque (in.lb)	354
Weight 1 stage (lb)	10.73
Weight 2 stage (lb)	11.84
Weight 3 stage (lb)	12.94
Lubrication	Non-Lube: 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 7 in.lb, two stage 221 in.lb and three stage 354 in.lb**

Piston Service Kit

Order Ref. 959.15

Drawing Dimensions in mm



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

Key Data: Dynatork 2 Aluminium - Motor Ref: 971.25

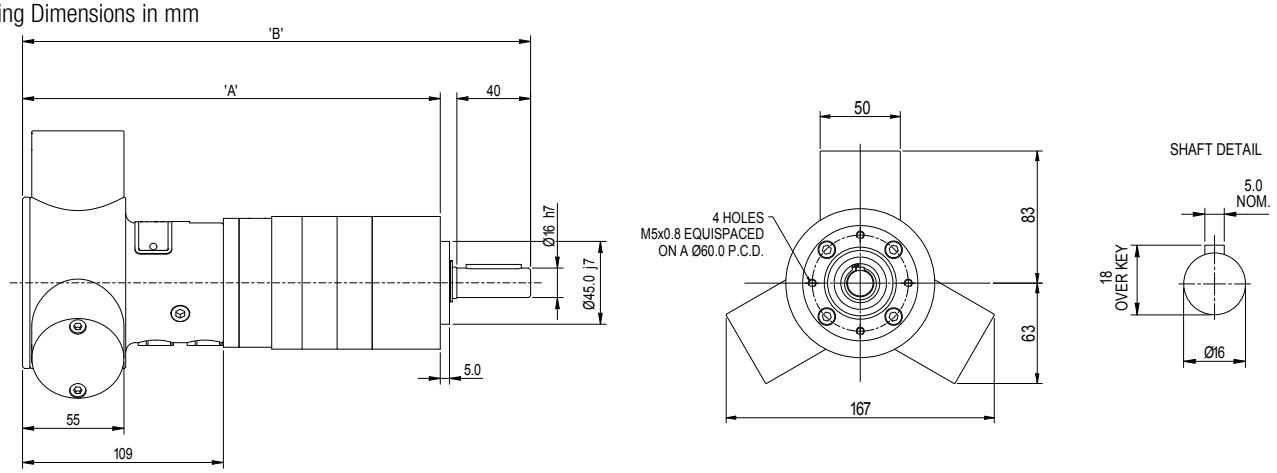
Maximum diameter (in)	8.27
Output shaft dia.(in)	0.6299
Output shaft effective length (in)	1.57
Maximum radial shaft load (lb)	135
at (L) distance from face (in)	0.787
Max. continuous output torque (in.lb)	708
Weight 1 stage (lb)	12.9
Weight 2 stage (lb)	15.1
Weight 3 stage (lb)	19.5
Lubrication	Non-Lube: 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 177 in.lb, two stage 531 in.lb and three stage 708 in.lb**

Piston Service Kit

Order Ref. 959.25

Drawing Dimensions in mm



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

Key Data: Dynatork 3 Aluminium - Motor Ref: 971.35

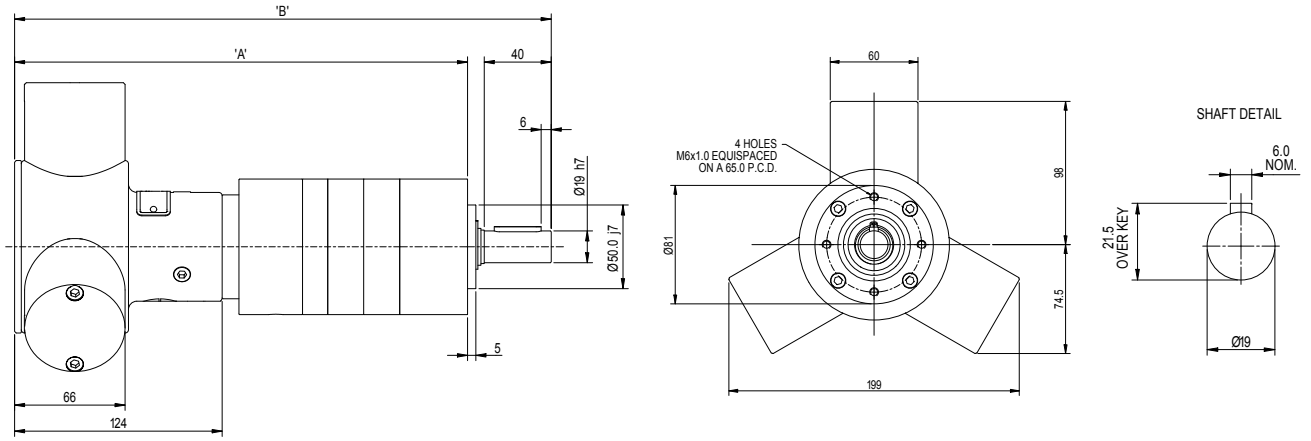
Maximum diameter (in)	8.27
Output shaft dia.(in)	0.748
Output shaft effective length (in)	1.575
Maximum radial shaft load (lb)	135
at (L) distance from face (in)	0.787
Max. continuous output torque (in.lb)	708
Weight 1 stage (lb)	12.9
Weight 2 stage (lb)	15.1
Weight 3 stage (lb)	19.5
Lubrication	Non-Lube: 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 177 in.lb, two stage 531 in.lb and three stage 708 in.lb**

Piston Service Kit

Order Ref. 959.35

Drawing Dimensions in mm



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