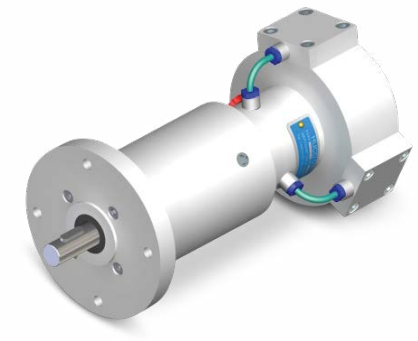
Key Data: Dynatork 1 Acetal - Motor Ref: 911.15

Maximum diameter (in)	4.80
Output shaft dia.(in)	0.551
Output shaft effective length (in)	1.42
Maximum radial shaft load (lb)	117
at (L) distance from face (in)	0.394
Max. continuous output torque (in.lb)	354
Weight 1 stage (lb)	9.9
Weight 2 stage (lb)	11.0
Weight 3 stage (lb)	12.1
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)



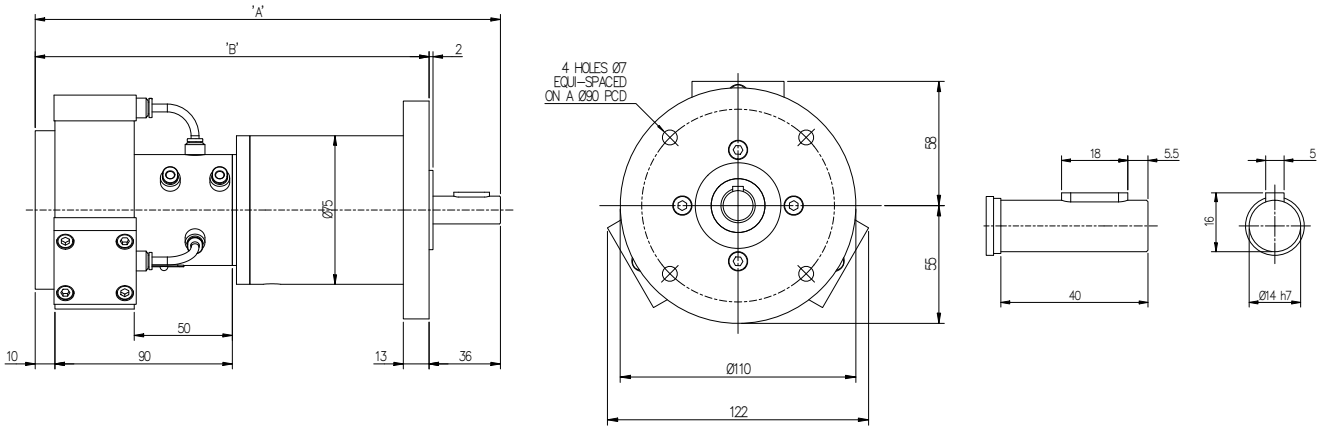
- **Robust, Compact and efficient planetary gear units**
- **Ratios from 3.7:1 to 308:1**
- **Output speeds from 0.64 to 162 rev/min**
- **Maximum continuous output torque for single stage gearboxes is 70 in.lb two stage 221 in.lb and three stage 354 in.lb**

Piston Service Kit



Order Ref. 909.15

Drawing Dimensions in mm



911.15	Dim A	Dim B
1-Stage	225mm	199mm
2-Stage	241mm	215mm
3-Stage	257mm	231mm

HOW TO ORDER

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - **911.15.09 = non lube, three stage, 93:1 ratio**

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	911.15	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

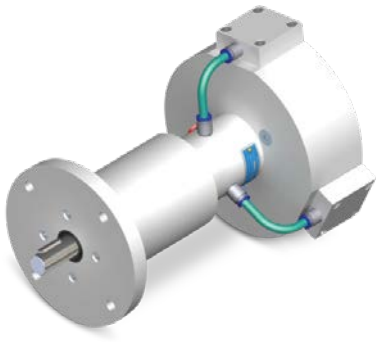
1 Locate the motor speed on the torque/speed graph on page 6 (size 1) or page 8 (size 3)

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 Acetal - Motor Ref: 911.35

Maximum diameter (in)	8.35
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)	12.1
Weight 2 stage (lb)	14.3
Weight 3 stage (lb)	18.7
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)



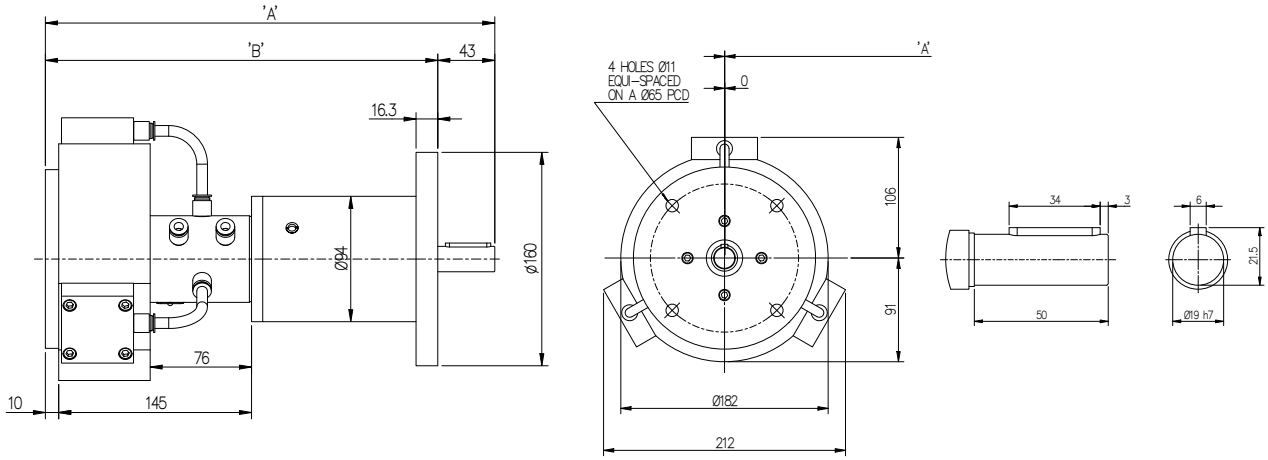
- **Robust, Compact and efficient planetary gear units**
- **Ratios from 3.7:1 to 308:1**
- **Output speeds from 0.6 to 162.2 rev/min**
- **Maximum continuous output torque for single stage gearboxes is 177 in.lb, two stage 531 in.lb and three stage 708 in.lb**

Piston Service Kit



Order Ref. 909.35

Drawing Dimensions in mm



911.35	Dim A	Dim B
1-Stage	337mm	295mm
2-Stage	359mm	316mm
3-Stage	380mm	338mm

HOW TO ORDER

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - **911.35.09**

= non lube, three stage, 93:1 ratio

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	911.35	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
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 6 (size 1) or page 8 (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