

Geared Motors Helical Gearboxes

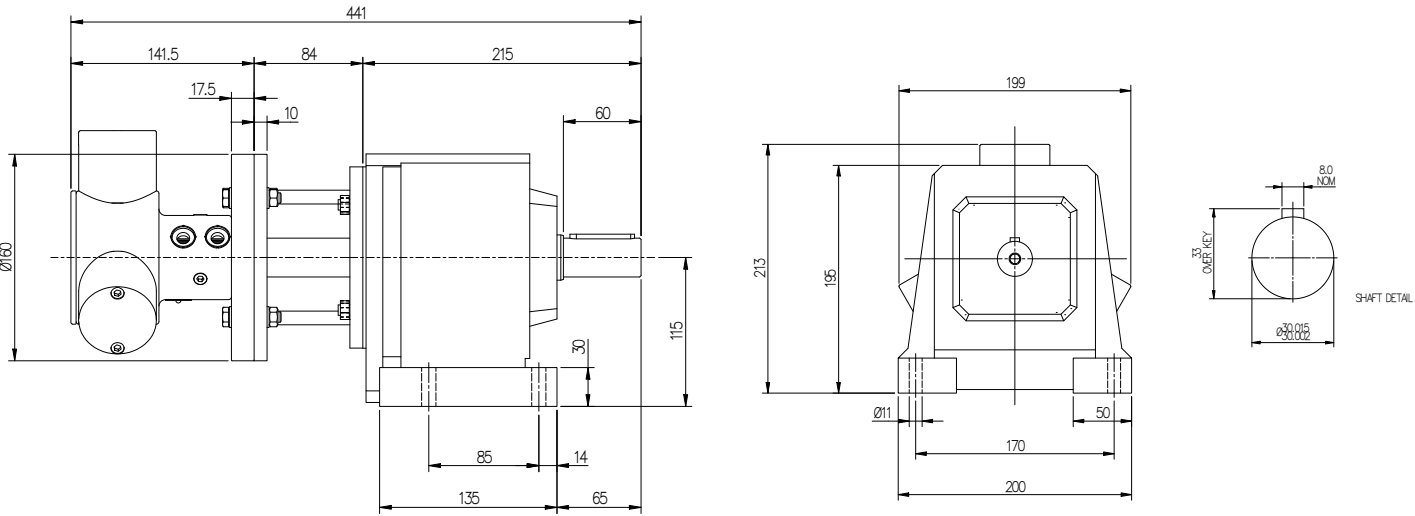
Key Data: Dynatork 3 - Motor Ref: 975.35		
Output shaft diameter (mm)	30	
Output shaft effective length (mm)	60	
Maximum radial shaft load (kN)	3.0	
at (L) distance from face (mm)	30	
Max. continuous output torque (Nm)	200	
Weight (kg)	33.35	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- Helical gears for arduous and continuous running
- Ratios from 4.67:1 to 70.32
- Output speeds from 1.42 to 107.1 rev/min
- Maximum continuous output torque 200Nm

Piston Service Kit



Order Ref. 959.35



Speed/Ratio Selection		Ratio Order Ref											
Motor ref:	975.35	01	02	03	04	05	06	07	08	09	10	11	
Ratio:1 rev/min		4.67	8.2	10.26	12.3	15.3	20.58	24.64	30.60	40.85	56.42	70.32	
500	•	107.1	61.0	48.7	40.7	32.7	24.3	20.3	16.3	12.2	8.86	7.11	
400	•	85.7	48.8	39.0	32.5	26.1	19.4	16.2	13.0	9.8	7.09	5.69	
300	•	64.2	36.6	29.2	24	19.61	14.6	12.2	9.8	7.3	5.32	4.27	
200	•	42.8	24.4	19.5	16.3	13.1	9.7	8.1	6.5	4.9	3.54	2.84	
100	•	21.4	12.2	9.7	8.1	6.5	4.9	4.1	3.3	2.4	1.7	1.42	

HOW TO ORDER

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - **975.35.06**

= non lube, 20.58:1 ratio

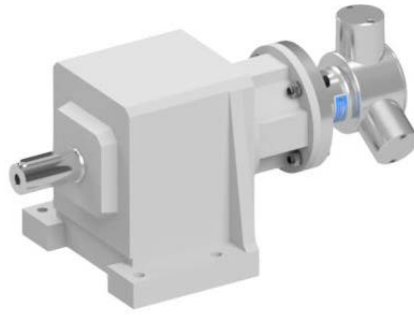
For Output Torque

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

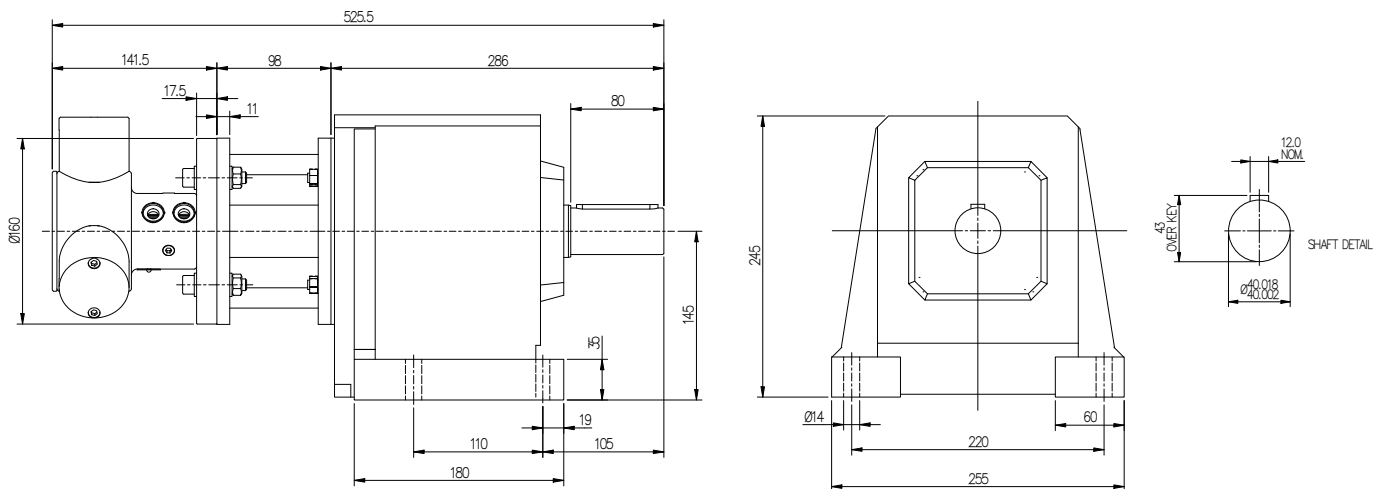
2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis

3 Multiply this value by the chosen ratio to give the output torque

Key Data: Dynatork 3 - Motor Ref: 976.35

Output shaft diameter (mm)	40	
Output shaft effective length (mm)	80	
Maximum radial shaft load (kN)	7.0	
at (L) distance from face (mm)	40	
Max. continuous output torque (Nm)	550	
Weight (kg)	48.35	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- Helical gears for arduous and continuous running
- Ratios from 25:1 to 69.88:1
- Output speeds from 1.43 to 20 rev/min
- Maximum continuous output torque 550Nm



Speed/Ratio Selection		Ratio Order Ref								
Motor ref:	976.35	01	02	03	04	05	06	07	08	09
Ratio:1 rev/min		25	31	34.8	41.71	46.67	50.2	56.1	62.5	69.88
500	•	20	16.1	14.4	12.0	10.7	9.96	8.91	8.00	7.16
400	•	16	12.9	11.5	9.6	8.6	7.97	7.13	6.40	5.72
300	•	12	9.7	8.6	7.2	6.4	5.98	5.35	4.80	4.29
200	•	8	6.5	5.7	4.8	4.3	3.98	3.57	3.20	2.86
100	•	4	3.2	2.9	2.4	2.1	1.99	1.78	1.60	1.43

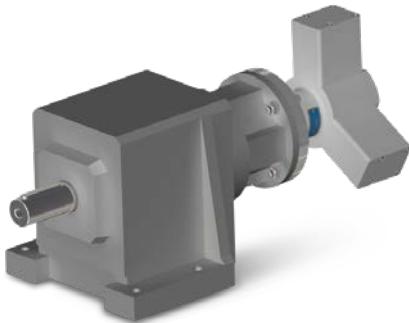
HOW TO ORDER

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - **976.35.06**
= non lube, 50.2:1 ratio

For Output Torque

- 1 Locate the motor speed on the torque/speed graph on 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

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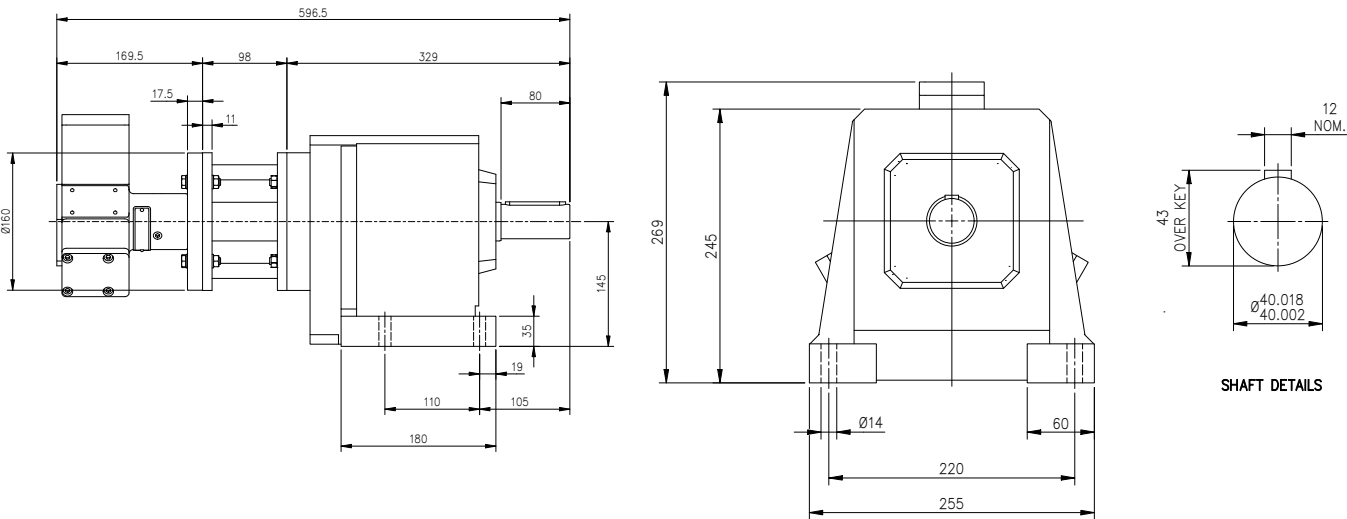
Key Data: Dynatork 7 - Motor Ref: 937.75		
Output shaft diameter (mm)	40	
Output shaft effective length (mm)	80	
Maximum radial shaft load (kN)	7.0	
at (L) distance from face (mm)	40	
Max. continuous output torque (Nm)	550	
Weight (kg)	48.5	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- Helical gears for arduous and continuous running
- Ratios from 80:81 to 270.2:1
- Output speeds from 0.37 to 4.95 rev/min
- Maximum continuous output torque 550Nm

Piston Service Kit



Order Ref. 959.75



Speed/Ratio Selection		Ratio Order Ref						
Motor ref:	937.75	01	02	03	04	05	06	07
Ratio:1 rev/min		80.81	90.32	107.7	134.6	180.4	216.9	270.2
400	•	4.95	4.43	3.71	2.97	2.22	1.84	1.48
300	•	3.7	3.32	2.79	2.23	1.66	1.38	1.11
200	•	2.47	2.21	1.86	1.49	1.11	0.92	0.74
100	•	1.24	1.11	0.93	0.74	0.55	0.46	0.37

HOW TO ORDER
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - **937.75.06**
= non lube, 216.9:1 ratio

For Output Torque

1 Locate the motor speed on the torque/speed graph on page 8

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