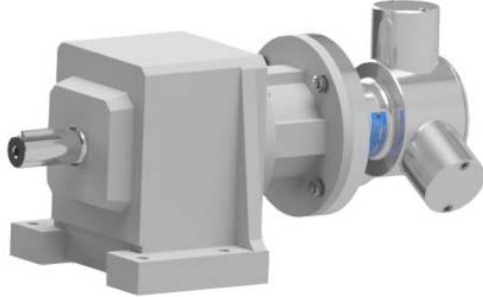


Geared Motors Helical Gearboxes

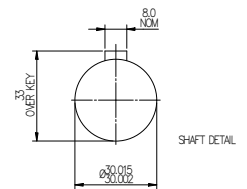
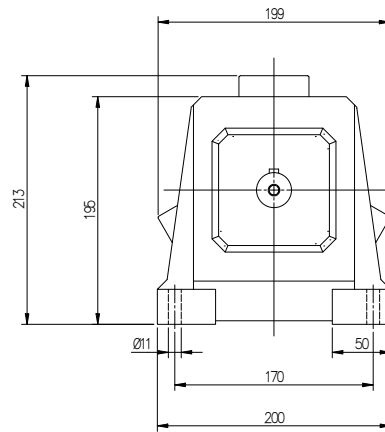
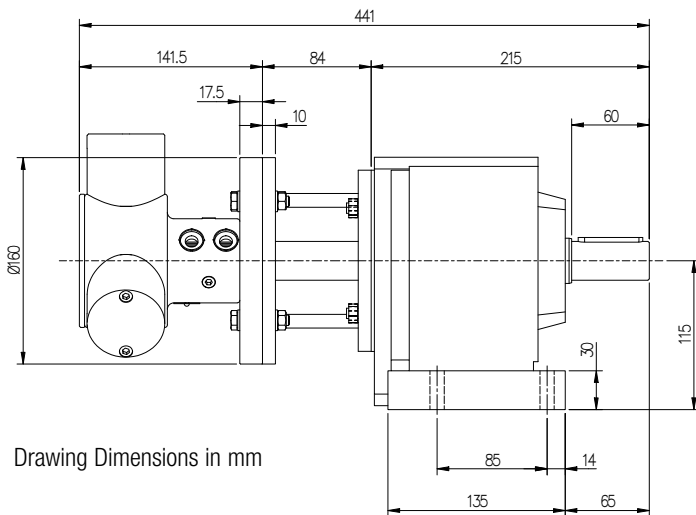
Key Data: Dynatork 3 - Motor Ref: 975.35

Output shaft diameter (in)	1.181	
Output shaft effective length (in)	2.36	
Maximum radial shaft load (lb)	674	
at (L) distance from face (in)	1.181	
Max. continuous output torque (in.lb)	1770	
Weight (kg)	73.5	
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 4.67:1 to 70.32
- Output speeds from 1.42 to 107.1 rev/min
- Maximum continuous output torque 1770 in.lb



Please see Series 3 QR code on page 26.



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

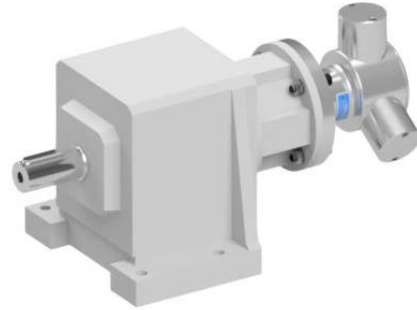
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - **975.35.06**
= non lube, 20.58:1 ratio

- 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

Geared Motors Helical Gearboxes

Key Data: Dynatork 3 - Motor Ref: 976.35

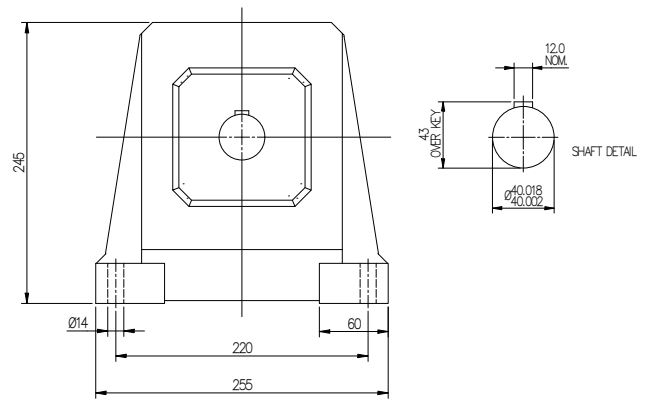
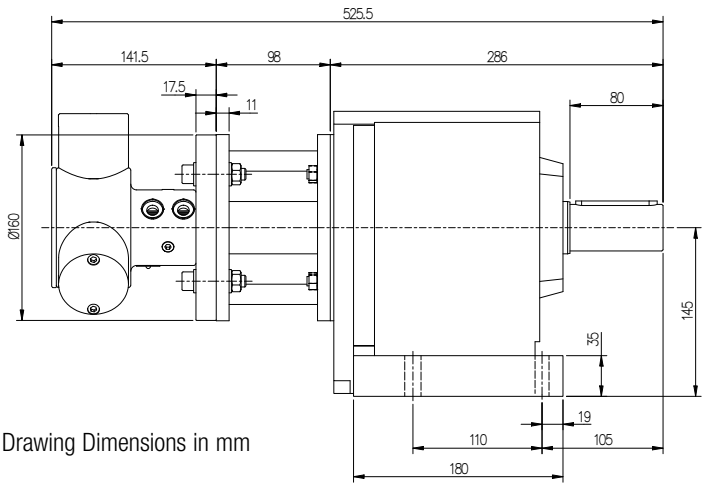
Output shaft diameter (in)	1.575
Output shaft effective length (in)	3.15
Maximum radial shaft load (lb)	15.73
at (L) distance from face (in)	1.575
Max. continuous output torque (in.lb)	4865
Weight (lb)	107
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated 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 4865 in.lb



Please see Series 3 QR code on page 26.



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**

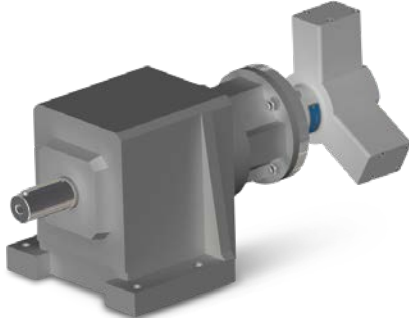
= non lube, 50.2:1 ratio

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

Geared Motors Helical Gearboxes

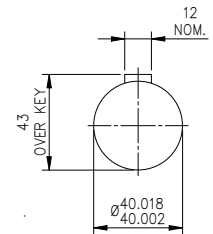
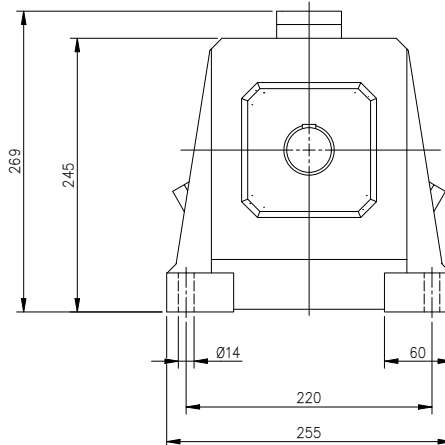
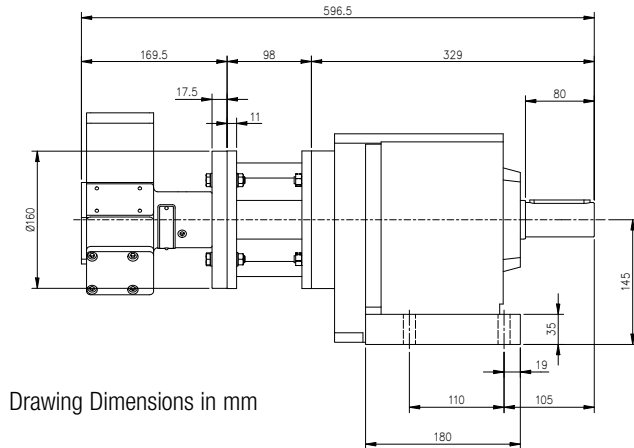
Key Data: Dynatork 7 - Motor Ref: 937.75

Output shaft diameter (in)	1.575	
Output shaft effective length (in)	3.15	
Maximum radial shaft load (lb)	1573	
at (L) distance from face (in)	1.575	
Max. continuous output torque (in.lb)	4865	
Weight (lb)	107	
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 4865 in.lb



Please see Series 2 QR code on page 26.



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

Speed/Ratio Selection		Ratio Order Ref						
Motor ref:	937.75	01	02	03	04	05	06	07
Ratio:1		80.81	90.32	107.7	134.6	180.4	216.9	270.2
rev/min								
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

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