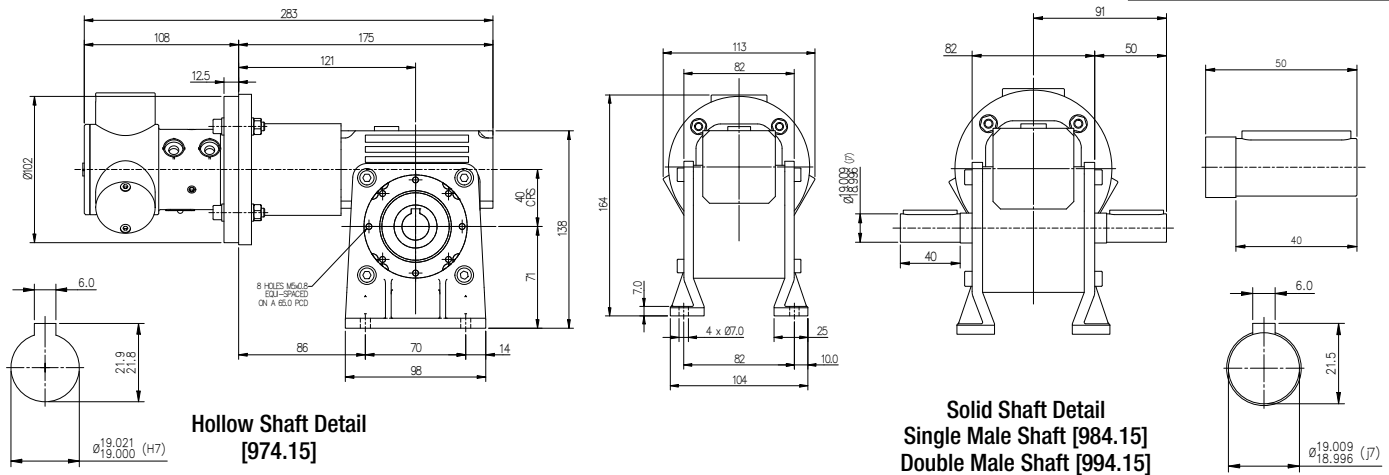


Key Data: Dynatork 1 - Motor Ref: 974 • 984 • 994

Output shaft diameter (in)	0.748	
Output shaft effective length (in)	1.575	
Maximum radial shaft load (lb)	29.4	
at (L) distance from face (in)	0.787	
Max. continuous output torque (in.lb)	354	
Weight (lb)	9.6	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- High strength aluminium worm gearboxes
- Ratios from 7:1 to 100:1
- Output speeds from 2 to 100 rev/min
- Maximum continuous output torque up to 354 in.lb

Drawing Dimensions in mm



	Hollow Shaft	Single Shaft	Double Shaft
Non-Lube	974.15	984.15	994.15

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	974.15	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		7	10	15	25	30	40	50	60	70	80	100
700	•	100	70	47	28	23	17.5	14	11.67	10	8.75	7
600	•	86	60	40	24	20	15	12	10	8.57	7.5	6
500	•	71	50	33	20	17	12.5	10	8.33	7.14	6.25	5
400	•	57	40	27	16	13	10	8	6.67	5.71	5	4
300	•	43	30	20	12	10	7.5	6	5	4.29	3.75	3
200	•	29	20	13	8	7	5	4	3.33	2.86	2.50	2

HOW TO ORDER

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - **974.15.09**
= non lube, hollow shaft, 70:1 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

Geared Motors **Worm Gearboxes**

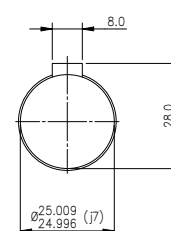
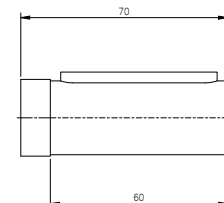
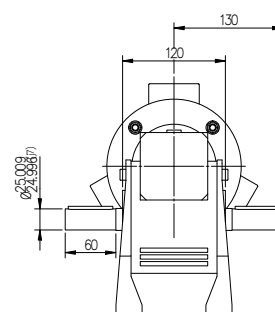
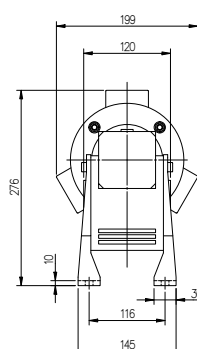
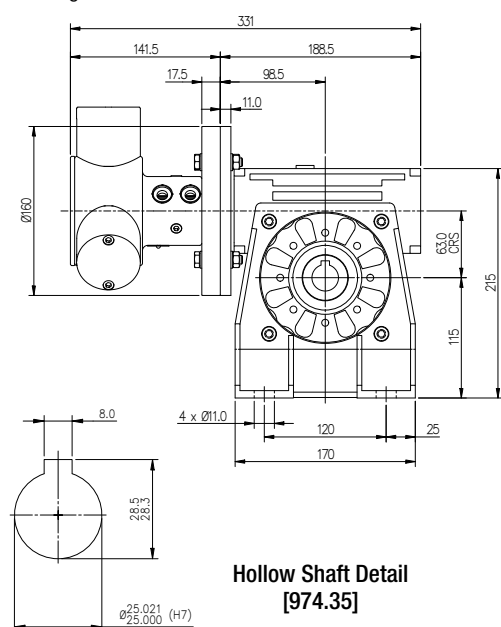
Key Data: Dynatork 3 - Motor Ref: 974 • 984 • 994

Shaft (in)	0.984
Output shaft effective length (in)	2.36
Maximum radial shaft load (lb)	0.56
at (L) distance from face (in)	1.181
Max. continuous output torque (in.lb)	1327
Weight (lb)	27.2
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)



- High strength aluminium worm gearboxes
- Ratios from 7:1 to 100:1
- Output speeds from 1 to 71 rev/min
- Maximum continuous output torque up to 1327 in.lb

Drawing Dimensions in mm



Solid Shaft Detail
Single Male Shaft [984.35]
Double Male Shaft [994.35]



	Hollow Shaft	Single Shaft	Double Shaft
Dynatork 3 Non-Lube	974.35	984.35	994.35

HOW TO ORDER	
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - 974.35.06	
= non lube, hollow shaft version, 40:1 ratio	

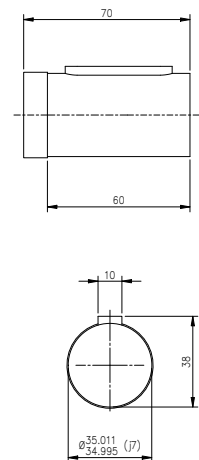
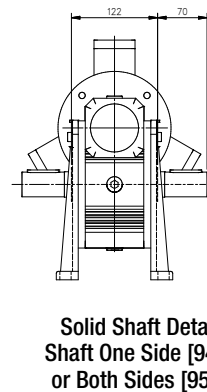
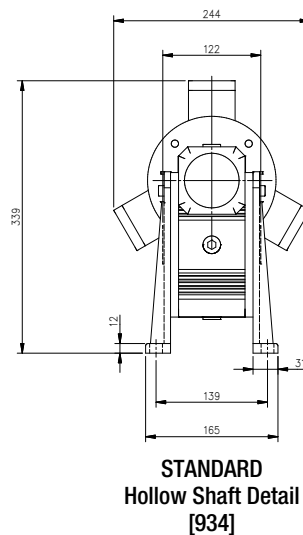
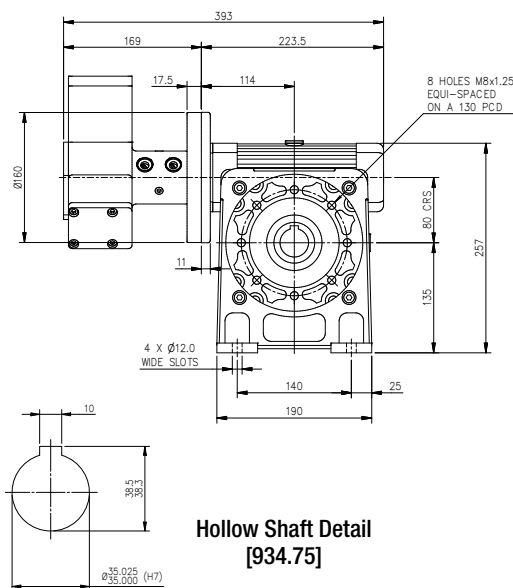
Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	974.35	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		7	10	15	25	30	40	50	60	70	80	100
500	•	71	50	33	20	17	12.5	10	8.33	7.14	6.25	5
400	•	57	40	247	16	13	10	8	6.67	5.71	5	4
300	•	43	30	20	12	10	7.5	6	5	4.29	3.75	3
200	•	29	20	13	8	7	5	4	3.33	2.86	2.50	2
100	•	14	10	7	4	3	2.5	2	1.67	1.43	1.25	1

Key Data: Dynatork 7 - Motor Ref: 934 • 944 • 954

Shaft (in)	1.378	
Output shaft effective length (in)	2.36	
Maximum radial shaft load (lb)	0.595	
at (L) distance from face (in)	1.181	
Max. continuous output torque (in.lb)	3540	
Weight (lb)	88.9	
Lubrication	Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system)	

- High strength aluminium worm gearboxes
- Ratios from 7:1 to 100:1
- Output speeds from 1 to 57 rev/min
- Maximum continuous output torque up to 3540 in.lb

934 • 944 • 954 with size 7 motor Drawing Dimensions in mm



	Hollow Shaft	Single Shaft	Double Shaft
Dynatork 7 Non-Lube	934.75	944.75	954.75

HOW TO ORDER	
Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - 934.75.09	
= non lube, hollow shaft version, 70:1 ratio	

Speed/Ratio Selection		Ratio Order Ref										
Motor ref:	934.75	01	02	03	04	05	06	07	08	09	10	11
Ratio:1 rev/min		7	10	15	25	30	40	50	60	70	80	100
400	•	57	40	27	16	13	10	8	6.67	5.71	5	4
300	•	43	30	20	12	10	7.5	6	5	4.29	3.75	3
200	•	29	20	13	8	7	5	4	3.33	2.86	2.50	2
100	•	14	10	7	4	3	2.5	2	1.67	1.43	1.25	1