

ETV ES

- Torque transducer with an accuracy of $\pm 7.5\%$ over six sigma.
- Robust, sealed design.
- New durable motor with higher speeds.
- Engineered in modules with component commonality.
- Clear LEDs visible through 360°.
- Hot swap.



ETV ES

Model	Square drive in	Torque range		Speed r/min	Weight		Length mm	CS distance mm	Ordering No.
		Nm	ft lb		kg	lb			
Angle models									
ETV ES21-04-06	1/4	1.6-4.5	1.2-3.3	1909	0.85	1.9	284	9.5	8436 0120 04
ETV ES21-07-06	1/4	2.8-7	2.1-5.2	1147	0.85	1.9	284	9.5	8436 0120 07
ETV ES21-12-06	1/4	4.8-12	3.5-8.9	718	0.95	2.1	304	11	8436 0120 12
ETV ES21-20-10	3/8	8-20	5.9-14.8	430	1.05	2.3	303	14	8436 0120 20
ETV ES61-25-10	3/8	10-25	7.4-18.4	1378	1.8	4.0	419	14	8436 0160 25
ETV ES61-30-10	3/8	12-30	8.9-22.1	1160	1.8	4.0	421	15.5	8436 0160 30
ETV ES61-40-10	3/8	16-40	11.8-29.5	1153	1.9	4.2	441	18	8436 0160 40
ETV ES61-50-10	3/8	20-50	14.8-36.9	692	1.9	4.2	441	18	8436 0160 50
ETV ES61-70-13	1/2	28-70	20.7-51.6	439	3.1	6.8	499	20	8436 0160 70
ETV ES61-100-13	1/2	40-100	29.5-73.8	370	3.15	6.9	505	22.5	8436 0160 10
ETV ES61-150-13	1/2	60-150	44.3-110.6	296	3.2	7.1	541	26	8436 0160 15
ETV ES61-180-13	1/2	72-180	53-133	232	3.2	7.1	541	26	8436 0160 18
ETV ES61-200-20	3/4	80-200	59-147.5	203	3.4	7.5	543	27	8436 0160 20
Quick chuck									
ETV ES21-12-I06-QC	–	4.8-12	3.5-8.9	718	0.95	2.1	304	11	8436 0121 12
Flush socket									
ETV ES61-30-FS	–	12-30	8.9-22.1	1160	1.8	4.0	421	16	8436 0160 51
ETV ES61-40-FS	–	16-40	11.8-29.5	1145	1.9	4.2	441	18	8436 0160 52
ETV ES61-50-FS	–	20-50	14.8-36.9	687	1.9	4.2	441	18	8436 0160 53
ETV ES61-70-FS	–	28-70	20.7-51.6	439	3.1	6.8	499	20	8436 0160 54
ETV ES61-100-FS	–	40-100	29.5-73.8	370	3.15	6.9	505	23	8436 0160 55
ETV ES61-150-FS	–	60-150	44.3-110.6	296	3.2	7.1	541	26	8436 0160 57
ETV ES61-180-FS	–	72-180	53-133	232	3.2	7.1	541	26	8436 0160 58
ETV ES61-200-FS	–	80-200	59-147.5	203	3.4	7.5	543	28	8436 0160 59
Hold & Drive									
ETV ES61-30-HAD	–	6-30	4-21	1160	2.4	5.3	442	18.3	8436 0160 61
ETV ES61-50-HAD	–	20-50	14.8-36.9	692	2.2	4.9	441	18	8436 0160 62
ETV ES61-150-HAD	–	60-150	44.3-110.6	296	3.4	7.5	541	26	8436 0160 64
ETV ES61-180-HAD	–	72-180	53-133	232	3.4	7.5	540.4	26	8436 0160 65
ETV ES61-200-HAD	–	80-200	59-147.5	203	3.8	8.4	543	28	8436 0160 66

ETD/ETF ES

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ETD ES



ETF ES



Model	Square drive in	Torque range		Speed r/min	Weight		Length mm	CS distance mm	Spline/ Mounting	Ordering No.
		Nm	ft lb		kg	lb				
Straight models										
ETD ES21-02-I06-PS	–	0.8-2	0.6-1.5	4471	0.75	1.7	267	19.5	–	8436 0220 02
ETD ES21-04-I06-PS	–	1.6-4	1.2-3	1909	0.8	1.8	267	19.5	–	8436 0220 04
ETD ES21-07-I06-PS	–	2.8-7	2.1-5.2	1147	0.8	1.8	267	19.5	–	8436 0220 07
ETD ES21-12-I06-PS	–	4.8-12	3.5-8.9	745	0.8	1.8	267	19.5	–	8436 0220 12
ETD ES61-18-10	3/8	7.2-18	5.3-13.3	2129	1.7	3.75	418	23	-1/1	8436 0265 18
ETD ES61-18-10-T25	3/8	7.2-18	5.3-13.3	2129	1.85	4.1	456	23	2/2	8436 0260 18
ETD ES61-25-10	3/8	10-25	7.4-18.4	1793	1.7	3.8	418	23	-1/1	8436 0265 25
ETD ES61-25-10-T25	3/8	10-25	7.4-18.4	1793	1.85	4.1	456	23	2/2	8436 0260 25
ETD ES61-30-10	3/8	12-30	8.9-22.1	1077	1.7	3.8	418	23	-1/1	8436 0265 30
ETD ES61-30-10-T25	3/8	12-30	8.9-22.1	1077	1.85	4.1	456	23	2/2	8436 0260 30
ETD ES61-50-13	1/2	20-50	14.8-36.9	679	2.95	6.5	493	29	2/2	8436 0265 50
ETD ES61-50-13-T25	1/2	20-50	14.8-36.9	679	3.05	6.7	521	29	3/5	8436 0260 50
ETD ES61-70-13	1/2	28-70	20.7-51.6	608	2.95	6.5	493	29	2/2	8436 0265 70
ETD ES61-70-13-T25	1/2	28-70	20.7-51.6	608	3.1	6.8	521	29	3/5	8436 0260 70
ETD ES61-90-13	1/2	36-90	26.6-66.4	467	2.95	6.5	493	29	2/2	8436 0265 90
ETD ES61-90-13-T25	1/2	36-90	26.6-66.4	467	3.1	6.8	521	29	3/5	8436 0260 90
ETD ES61-120-13	1/2	48-120	35.4-88.5	365	2.95	6.5	493	29	2/2	8436 0265 12
ETD ES61-120-13-T25	1/2	48-120	35.4-88.5	365	3.1	6.8	521	29	3/5	8436 0260 12
Straight models with lever start										
ETD ES21-02-I06	–	0.8-2	0.6-1.5	4471	0.78	1.76	267	19.5	–	8436 0221 02
ETD ES21-04-I06	–	1.6-4.5	1.2-3.3	1909	0.83	1.86	267	19.5	–	8436 0221 04
ETD ES21-07-I06	–	2.8-7	2.1-5.2	1147	0.83	1.86	267	19.5	–	8436 0221 07
ETD ES21-12-I06	–	4.8-12	3.5-8.9	745	0.83	1.86	267	19.5	–	8436 0221 12
Fixture models										
ETF ES21-04-I06-T25	–	1.6-4	1.2-3	1909	0.96	2.1	338	22.5	– ^a	8436 0224 04
ETF ES21-07-I06-T25	–	2.8-7	2.1-5.2	1147	0.96	2.1	338	22.5	– ^a	8436 0224 07
ETF ES21-12-I06-T25	–	4.8-12	3.5-8.9	745	0.96	2.1	338	22.5	– ^a	8436 0224 12

^a Mounting bracket fixed.

Pistol Grip Models

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		Nm	ft lb		kg	lb				
Pistol grip models										
ETP ES21-02-I06-PS	–	0.8-2	0.6-1.5	4471	0.85	1.87	225	19.5	–	8436 0320 02
ETP ES21-04-I06-PS	–	1.6-4	1.2-3	1909	0.85	1.87	225	19.5	–	8436 0320 04
ETP ES21-07-I06-PS	–	2.8-7	2.1-5.2	1147	0.85	1.87	225	19.5	–	8436 0320 07
ETP ES21-12-I06-PS	–	4.8-12	3.5-8.9	745	0.85	1.87	225	19.5	–	8436 0320 12