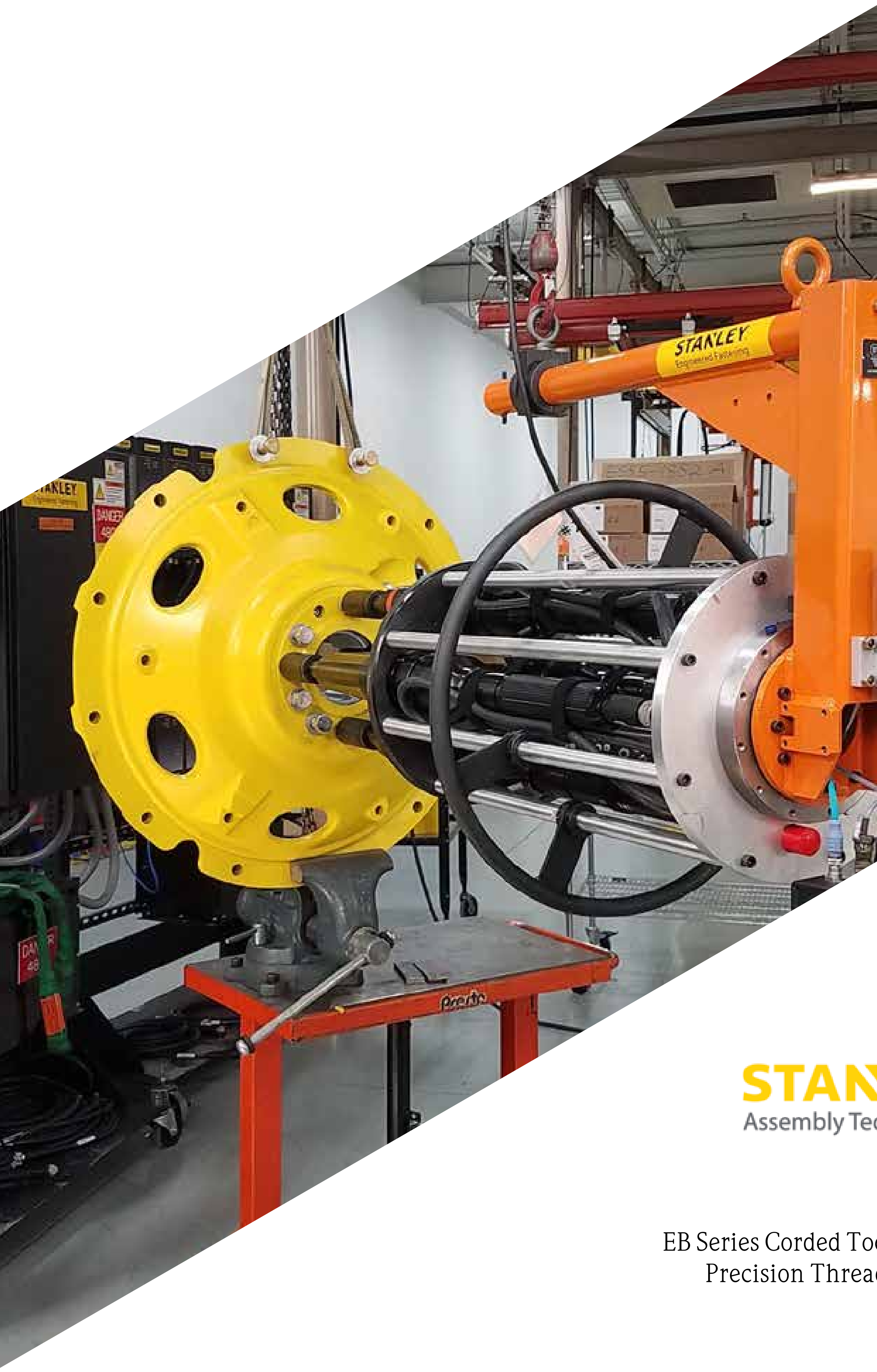
STANLEY
Engineered Fastening



STANLEY
Assembly Technologies

EB Series Corded Tool Systems for Precision Threaded Fastening

STANLEY® Engineered Fastening is committed to helping our customers

- Improve production speed and quality by delivering application solutions that are fit for purpose and tailored to production ergonomics
- Deliver outstanding value to the end-customer by offering fasteners, and installation equipment that demonstrate lowest total cost of ownership

The highly engineered STANLEY® Assembly Technologies range includes:

Precision Threaded Fastening Equipment

- Electric assembly tools- EB-Series
- Controllers and software
- Engineered assembly solutions

Corded Assembly Tools

Fixtured and Handheld DC Electric Tools for precision torque applications with exceptional durability, delivering high performance up to 1 million cycles.

- Traceability and error proofing
- Fixtured units offer opportunity for integrator collaboration
- Torque application from 0.4 Nm to 2000 Nm.
- Redundant transducers for fixtured applications
- Industry leading power-to-weight ratio

Engineered Assembly Solutions

Custom Solutions are matched to unique assembly needs using extensive engineering experience, a complete line of DC and Pneumatic assembly spindles, QBE controllers, and tightening strategies.

- Automated and semi-automated tool handling
- Multi-spindle synchronization for simultaneous assembly
- Data collection and interface with plant control system
- Absortption of reaction torque up to 5,000 Nm
- Cycle complete operation

Caterpillar use Stanley Assembly Technologies engineered assembly solutions to achieve reliability and production efficiency in high torque applications.

EB-Series Features and Benefits

The STANLEY Assembly Technologies EB-Series tools have been engineered to combine the latest technologies with STANLEY's leading design features resulting in best-in-class tools.

Low Friction Gearing — In both gearbox and angle head assemblies for reduced noise and vibration for improved ergonomics

High Efficiency Motor — For best-in-class power-to-weight ratio.

Modular Construction — For low mean time to repair (MTTR), common components reduce complexity and cost.

- Handle / Lever assembly common to all handheld tools.
- Motor sizes – 5 motor options
- Modular Gear sets interchangeable
- Angle Heads common mating thread

Field Repairable — Reduce downtime with field replaceable parts

- Matched replacement gear sets
- Grease fittings integrated into the outputs for ease of preventive maintenance

EB-Series DC Electric Transducer Controlled Fastening Tools

- Increased lever length, recessed mounting, and "flush to handle" activation improves fit to the operator's hand.
- A non-contact optical switch under the start lever increases MTBF by eliminating mechanical or magnetic switches which wear out over time.

Brilliant Headlights Illuminate
Low Light Fastener Access Points

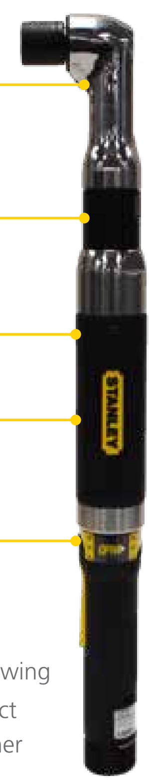
HANDHELD TOOLS

NEW Grease Fitting Location

NEW High Speed Gearing – Quieter and Cooler Running

Durable Motor Cover

NEW High Speed Motor – Smoother and Lighter



- High/Low/OK Lights indicate fastening status with 360° viewing
- Multifunction button can select between 2 job setups and other process functions

Pistol Tools

Pistol handle tools fit applications with direct access to the fastener. Pistol hand held tools are suitable for screw driving applications where the torque applied is relatively low. In high torque applications, the tool is fixtured to absorb the torque reaction or equipped with a torque reaction bar.

Pistol

Model	Rated Speed	Max Torque		"R" Side to Center		"L" Length		Weight		Output
	RPM	NM	lb ft	mm	in	mm	in	kg	lb	standard
EB12PB-2	1760	2	1.5	20	0.8	222	8.7	0.78	1.7	1/4 QC
EB12PB-4	1115	4	2.9	20	0.8	222	8.7	0.78	1.7	1/4 QC
EB12PB-6	2300	6	4.4	20	0.8	264	10.4	0.78	1.7	1/4 QC
EB12PB-9	1595	9	6.6	20	0.8	264	10.4	0.78	1.7	1/4 QC
EB12PB-14	1020	14	10	20	0.8	264	10.4	0.78	1.7	1/4 QC
EB22PB-16	1225	16	11	20	0.8	290	11.4	1.16	2.5	1/4 QC
EB22PB-20	981	20	14.8	20	0.8	290	11.4	1.21	2.7	1/4 QC
EB33PB-28	1590	28	20	26	1.04	288	11.3	1.49	3.2	3/8˝ SD
EB33PB-40	1120	40	29	26	1.04	288	11.3	1.55	3.4	3/8˝ SD
EB34PB1-55	830	55	40	32	1.25	324	12.8	2.31	5.1	1/2˝ SD
EB34PB1-75	545	75	55.3	32	1.25	324	12.8	2.55	5.6	1/2˝ SD
EB34PB1-105	410	105	77.5	32	1.25	324	12.8	2.55	5.6	1/2˝ SD

Pistol Push-to-Start

EB12PP-2	1760	2	1.5	20	0.8	265	10.4	0.93	2	1/4 QC
EB12PP-4	1115	4	2.9	20	0.8	265	10.4	0.93	2	1/4 QC
EB12PP-6	2300	6	4.4	20	0.8	265	10.4	0.93	2	1/4 QC
EB12PP-9	1595	9	6.6	20	0.8	265	10.4	0.93	2	1/4 QC
EB12PP-14	1020	14	10.3	20	0.8	265	10.4	0.93	2	1/4 QC

Inline / Straight Output;
Push-to-Start Optional

Inline Lever Tools

Inline (or straight) tools fit applications with direct access to the fastener. Inline Lever tools are suitable for screw driving applications where the torque applied is relatively low. In high torque applications, the tool is fixtured to absorb the torque reaction or equipped with a torque reaction bar.

Inline Lever

Model	Rated Speed	Max Torque		"R" Side to Center		"L" Length		Weight		Output
	RPM	NM	lb ft	mm	in	mm	in	kg	lb	standard
EB12LB-2	1760	2	1.5	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LB-4	1115	4	2.9	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LB-6	2300	6	4.4	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LB-9	1595	9	6.6	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LB-14	1020	14	10.3	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB22LB-16	1340	16	11.8	23.7	0.93	352	13.8	1.06	2.33	3/8″ SD
EB22LB-20	1071	20	14.8	23.7	0.93	365	14.4	1.1	2.4	3/8″ SD
EB33LB-28	1590	28	20.7	24.7	0.97	416	16.4	1.4	3.08	3/8″ SD
EB33LB-40	1120	40	29.5	24.7	0.97	416	16.4	1.4	3.08	3/8″ SD
EB34LB1-55	830	55	40.6	26.7	1.05	463	18.2	2.04	4.49	1/2″ SD
EB44LB1-80	895	80	59	26.7	1.05	479	18.9	2.5	5.5	1/2″ SD
EB34LB1-75	545	75	55.3	26.7	1.05	491.51	19.35	2.04	4.49	1/2″ SD
EB55LB1-100	853	100	73.8	32	1.25	479	18.9	5.17	11.38	1/2″ SD
EB34LB1-105	410	105	77.5	26.7	1.05	491.51	19.35	2.04	4.49	1/2″ SD
EB44LB1-120	560	120	88.5	26.7	1.05	479	18.9	2.85	6.27	1/2″ SD
EB55LB2-120	850	120	88.5	32	1.25	564	22.2	5.17	11.4	3/4″ SD
EB45LB2-140	465	140	103.3	29	1.15	533	21	3.42	7.52	3/4″ SD
EB55LB2-170	640	170	125.4	32	1.25	560	22.1	4.62	10.18	3/4″ SD
EB45LB2-190	355	190	140.2	29	1.15	533	21	4.3	9.46	3/4″ SD
EB55LB2-250	400	250	184.4	32	1.25	560	22.1	4.93	10.85	3/4″ SD
EB55LB3-320	310	320	236	32	1.25	573	22.5	5.01	11.03	3/4″ SD
EB55LB4-460	220	460	339.3	44	1.7	621	24.4	7.6	16.73	1″ SD
EB55LB4-620	165	620	457.3	44	1.7	621	24.4	7.6	16.73	1″ SD
EB55LB5-800	125	800	590.1	48	1.9	651	25.6	10.05	22.12	1″ SD
EB55LB5-1100	80	1100	811.4	48	1.9	651	25.6	10.05	22.12	1″ SD
EB55LB5-1500	60	1500	1106.4	48	1.9	683	26.9	10.05	22.12	1″ SD
EB55LB5-2000	50	2000	1475.2	48	1.9	683	26.9	10.57	23.25	1″ SD

Inline Push-to-Start Lever

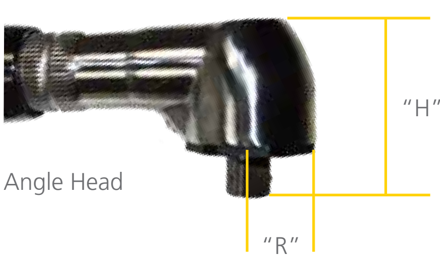
EB12LP-2	1760	2	1.5	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LP-4	1115	4	2.9	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LP-6	2300	6	4.4	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LP-9	1595	9	6.6	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC
EB12LP-14	1020	14	10.3	20.4	0.8	359	14.1	0.85	1.87	1/4″ QC

Angle and Flush Angle Lever Tools

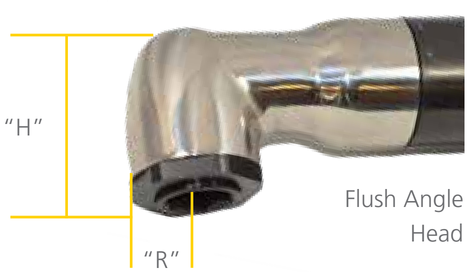
Angle tools can access fasteners in spaces not accessible to straight tools. Their longer effective length uses the tool body as the lever to counter torque range impulse. Flush socket angle heads, with the needed socket size built into the angle head, allow access in more restricted spaces.

Angle Head Lever

Model	Rated Speed	Max Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Output
	RPM	NM	lb ft	mm	in	mm	in	mm	in	kg	lb	standard
EB12LA10-6	2110	6	4.42	10	0.39	31.9	1.26	319.3	12.6	0.89	1.96	1/4˝ SD
EB12LA13-8	1400	8	5.9	13	0.51	32.7	1.29	321.6	12.7	0.93	2.05	3/8˝ SD
EB12LA13-13	970	13	9.58	13	0.51	32.7	1.29	321.6	12.7	0.93	2.05	3/8˝ SD
EB22LA13-13	1550	13	9.58	13	0.51	32.7	1.29	343.3	13.5	1.08	2.38	3/8˝ SD
EB22LA13-18	1075	18	13.3	13	0.51	32.7	1.29	343.3	13.5	1.08	2.38	3/8˝ SD
EB22LA15-24	825	24	17.7	15	0.59	36.5	1.44	366.5	14.4	1.21	2.66	3/8˝ SD
EB33LA15-27	1515	27	19.91	15	0.59	36.5	1.44	415.7	16.4	1.55	3.41	3/8˝ SD
EB33LA18-35	1165	35	25.81	18	0.71	39.3	1.55	444.7	17.5	1.66	3.65	3/8˝ SD
EB33LA15-40	1015	40	29.49	15	0.59	36.5	1.44	415.7	16.4	1.55	3.41	3/8˝ SD
EB33LA19-40	1025	40	29.49	19	0.75	48.7	1.92	458.4	18	1.87	4.11	1/2˝ SD
EB33LA18-48	880	48	35.39	18	0.71	39.3	1.55	455.4	17.9	1.66	3.65	3/8˝ SD
EB33LA19-60	680	60	44.24	19	0.75	48.7	1.92	458.4	18	2.04	4.5	1/2˝ SD
EB44LA19-55	1190	55	40.55	19	0.75	48.7	1.92	458.4	18	2.78	6.12	1/2˝ SD
EB34LA19-70	610	70	51.61	19	0.75	48.7	1.92	488	19.2	2.34	5.15	1/2˝ SD
EB44LA19-80	845	80	58.98	19	0.75	48.7	1.92	525.4	20.7	2.78	6.12	1/2˝ SD
EB34LA22A-80	510	80	58.98	22	0.87	50	2	530	20.9	2.66	5.85	1/2˝ SD
EB44LA22A-80	810	80	58.98	22	0.87	50	2	539	21.2	3.1	6.82	1/2˝ SD
EB34LA22A-115	340	115	84.79	22	0.87	50	2	530	20.9	2.66	5.85	1/2˝ SD
EB44LA22A-120	550	120	88.48	22	0.87	50	2	539	21.2	3.29	7.23	1/2˝ SD
EB55LA26-120	825	120	88.48	26	1.02	60	2.4	632	24.9	5.72	12.58	3/4˝ SD
EB55LA26-160	620	160	117.97	26	1.02	60	2.4	632	24.9	5.81	12.78	3/4˝ SD
EB45LA26-165	400	165	121.65	26	1.02	60	2.4	582	22.9	5.25	11.56	3/4˝ SD
EB45LA26-220	260	220	162.21	26	1.02	60	2.4	582	22.9	5.57	12.27	3/4˝ SD
EB55LA26-220	460	220	162.21	26	1.02	60	2.4	632	24.9	5.83	12.82	3/4˝ SD
EB55LA32-300	340	300	221.19	32	1.26	73	2.9	639	25.1	6.46	14.21	3/4˝ SD
EB55LA32-400	225	400	294.92	32	1.26	73	2.9	639	25.1	6.46	14.21	3/4˝ SD



Angle Head



Flush Angle Head

Tubenut Lever Tools

Tubenut nutrunners have open sockets that enable the tool end to be put over a tube, hose, or other tubular connection to secure a fitting. They can also fasten cable assemblies on nuts on shafts, such as tie rod adjustment applications. Reversing the tool returns the socket to the open position for the removal of the tool.

Angle Tubenut Lever

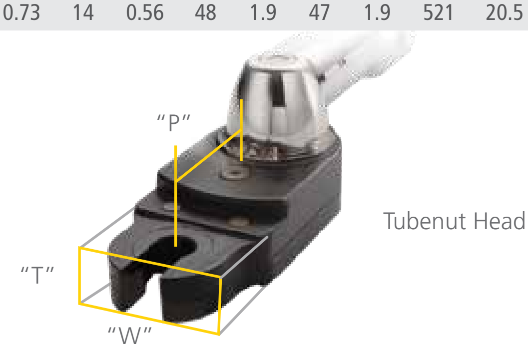
Model	Rated Speed	Max Torque		"R" Nose Radius		"T" Thickness		"W" Width		"P" Length		"L" Length		Weight		Max Hex Size		Max Tube Size	
	RPM	NM	lb ft	mm	in	mm	in	mm	in	in	mm	in	mm	kg	lb	mm	in	mm	in
EB33LT346-25	1165	25	18.4	13	0.52	14	0.54	42	1.7	34	1.3	511	20.1	2.34	5.15	13	0.5	9.3	0.365
EB33LT572-25	1165	25	18.4	13	0.52	14	0.54	42	1.7	34	1.3	518	20.4	2.34	5.15	13	0.5	9.3	0.365
EB33LT349-25	1165	25	18.4	38.1	1.5	14.1	0.56	42.2	1.66	55.6	2.19	539.7	21.25	2.27	5.01	13	0.5	9.3	0.365
EB33LT387-25	1165	25	18.4	38.1	1.5	14.1	0.56	42.2	1.66	34	1.34	518.1	20.4	2.34	5.15	13	0.5	9.3	0.365
EB33LT358-25	1165	25	18.4	13	0.52	14	0.54	42	1.66	34	1.34	518.1	20.4	2.31	5.1	13	0.5	9.3	0.365
EB33LT641-25	1165	25	18.4	13	0.52	14	0.54	42	1.66	56	2.19	539	21.22	1.81	4	13	0.5	9.3	0.365
EB33LT74-30	460	30	22.1	18	0.73	14	0.54	48	1.9	44	1.7	517	20.3	2.3	5.06	18	0.71	11.6	0.455
EB33LT312-30	847	30	22.1	18	0.73	14	0.56	48	1.88	47	1.86	547.6	21.56	1.81	4	18	0.71	11.6	0.455
EB33LT473-30	965	30	22.1	18.4	0.73	14.3	0.56	57.2	2.25	38.9	1.53	533.5	21	2.75	6.06	18	0.71	11.6	0.455
EB33LT527-30	881	30	22.1	18.4	0.73	15.9	0.62	47.7	1.88	16.3	0.64	500.6	19.71	2.3	5.06	18	0.71	11.6	0.455
EB33LT375-41	710	41	30.2	13	0.52	22	0.85	44	1.7	59	2.3	466	8.3	2.48	5.45	13	0.5	9.3	0.365
EB33LT621-41	719	41	30.2	15.9	0.63	20.3	0.8	52.4	2.06	26.4	1.04	521	20.51	2.5	5.5	15	0.59	10.4	0.41
EB34LT23-41	695	41	30.2	18	0.73	23	0.91	48	1.88	44	1.72	580.9	22.87	1.64	3.61	18	0.71	11.6	0.455
EB34LT623-57	480	57	42	26.4	1.04	19.4	0.765	74.6	2.94	60.7	2.39	603.8	23.73	4.13	9.1	27	1.06	19.4	0.765
EB34LT99-62	460	62	45.7	26	1.04	20	0.76	75	2.9	65	2.5	604	23.8	2.93	6.45	27	1.06	19.4	0.765
EB44LT20-102	430	102	75.2	26	1.04	32	1.24	75	2.9	65	2.5	628	24.7	4.46	9.82	27	1.06	19.4	0.765
EB55LT424-180	325	180	132.8	31	1.22	30	1.18	100	3.94	74	2.91	740.1	29.14	8.32	18.34	32	1.25	20	0.801

Inline Tubenut Lever

EB22LT252-25	500	25	18.4	13	0.52	14	0.54	42	1.7	56	2.2	434	17.1	1.79	3.93	13	0.5	9.3	0.365
EB22LT571-25	500	25	18.4	13	0.52	14	0.54	42	1.7	56	2.2	434	17.1	1.79	3.93	13	0.5	9.3	0.365
EB33LT252-25	739	25	18.4	38.1	1.5	14.1	0.56	42.2	1.66	55.9	2.2	512.7	20.19	1.95	4.3	13	0.5	9.3	0.365
EB33LT326-25	739	25	18.4	13.1	0.515	14.1	0.56	42.2	1.66	77.5	3.05	534.3	21.04	1.95	4.3	13	0.5	8.1	0.32
EB33LT264-50	422	50	36.9	21.4	0.84	17.5	0.69	54	2.13	78.8	3.1	535.7	21.09	1.95	4.3	24	0.94	13.6	0.535

Vertical Tubenut Lever

EB34LT150-30	945	30	22.1	18	0.73	14	0.56	48	1.9	47	1.9	521	20.5	2.73	5.99	19	0.75	11.6	0.455

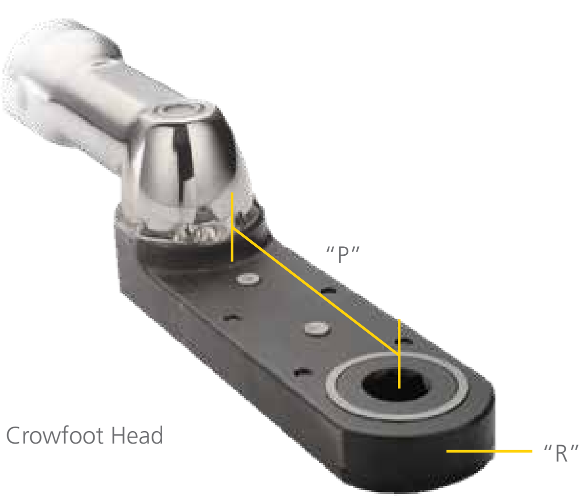


Crowfoot Lever Tools

Crowfoot nutrunners have a range of sizes and torque levels to access fasteners. A crowfoot nutrunner uses special tool geometry to access hard-to-reach applications where more conventional tools won't fit. Special head designs can solve most demanding assembly problems.

Angle Crowfoot Lever

Model	Rated Speed	Max Torque		"R" Nose Radius		"T" Thickness		"W" Width		"P" Length		"L" Length		Weight		Max Hex Size	
	RPM	NM	lb ft	mm	in	mm	in	mm	in	in	mm	in	mm	kg	lb	mm	in
EB12LC8-8	1065	8	5.9	13	0.52	16.2	0.64	25.4	1	44.6	1.76	382	15	1.1	2.4	13	1/2″
EB12LC106-8	1065	8	5.9	13	0.52	16.2	0.64	25.4	1	64.6	2.54	401	15.8	1.1	2.4	13	1/2″
EB12LC8-13	680	13	9.6	13	0.52	16.2	0.64	25.4	1	44.6	1.76	382	15	1.1	2.4	13	1/2″
EB12LC106-13	680	13	9.6	13	0.52	16.2	0.64	25.4	1	64.6	2.54	401	15.8	1.1	2.4	13	1/2″
EB12LC550-14	680	14	10.3	13	0.5	11.4	0.45	25.4	1	67.1	2.64	402	15.8	1.1	2.4	13	1/2″
EB22LC8-16	895	16	11.8	13	0.52	16.2	0.64	25.4	1	44.6	1.76	453	17.8	1.7	3.8	13	1/2″
EB22LC35-16	893	16	11.8	21	0.81	14	0.55	38	1.5	75	2.95	479.8	18.89	2.72	6	19	3/4″
EB33LC13-22	1310	22	16.3	13	0.52	20.6	0.81	31.8	1.25	47.3	1.86	530	20.8	2.5	5.5	13	1/2″
EB33LC216-27	990	27	19.9	13	0.5	15	0.59	31.8	1.25	47.3	1.86	530	20.8	2.5	5.5	13	1/2″
EB33LC563-27	990	27	19.9	13	0.52	15.9	0.63	31.8	1.25	47.3	1.86	530	20.8	2.5	5.5	13	1/2″
EB33LC301-27	991	27	19.9	13	0.53	16	0.63	32	1.25	47	1.86	463	18.23	2.72	6	13	1/2″
EB33LC13-30	840	30	22.1	13	0.52	20.6	0.81	31.8	1.25	47.3	1.86	530	20.8	2.5	5.5	13	1/2″
EB33LC173-30	990	30	22.1	13.5	0.53	15.9	0.63	31.8	1.25	93	3.66	590	23.2	2.5	5.5	13	1/2″
EB33LC362-30	932	30	22.1	13	0.5	16	0.63	26	1.02	66	2.59	549.1	21.62	2.72	6	13	1/2″
EB33LC246-33	880	33	24.3	16	0.63	20.6	0.81	31.8	1.25	48.3	1.9	531	20.9	2.9	6.4	14	9/16″
EB33LC16-35	881	35	25.8	21	0.81	21	0.84	38	1.5	75	2.95	558.1	21.97	2.59	5.7	19	3/4″
EB44LC508-35	1341	35	25.8	13	0.53	14	0.57	31.8	1.25	47	1.47	591	23.3	3.1	6.82	13	1/2″
EB33LC484-42	610	42	31	16	0.63	18.5	0.73	31.8	1.25	86.1	3.39	554	21.8	2.36	5.21	15	19/32″



Crowfoot Head

Angle Crowfoot Lever

Model	Rated Speed	Max Torque		"R" Nose Radius		"T" Thickness		"W" Width		"P" Length		"L" Length		Weight		Max Hex Size	
	RPM	NM	lb ft	mm	in	mm	in	mm	in	in	mm	in	mm	kg	lb	mm	in
EB34LC10-58	510	58	42.8	21	0.81	27.94	1.1	38.1	1.5	70.7	2.78	616	24.2	3.52	7.74	19	3/4″
EB34LC226-59	500	59	43.5	17	0.66	17	0.66	38	1.5	68	2.69	614	24.17	3.4	7.5	16	5/8″
EB33LC501-60	499	60	44.3	16.8	0.66	17	0.67	38.1	1.5	123	4.85	616	24.2	3.52	7.74	15	5/8″
EB34LC515-60	471	60	44.3	12	0.48	25	0.99	38	1.5	125	4.94	597.7	23.53	3.49	7.7	12	7/16″
EB34LC162-62	321	62	45.7	13	0.52	21	0.82	38	1.5	97	3.82	664.6	26.17	3.76	8.3	13	1/2″
EB34LC601-73	337	73	53.8	21	0.81	17	0.66	38	1.5	71	2.78	638.3	25.13	3.63	8	19	3/4″
EB44LC404-75	508	75	55.3	16.8	0.66	26.16	1.03	38.1	1.5	68.4	2.7	626	24.7	4.2	9.3	16	5/8″
EB45LC365-80	438	80	59	13	0.53	28	1.12	38	1.5	97	3.82	735	28.9	5.25	11.56	13	1/2″
EB45LC275-80	580	80	59	13	0.52	28	1.12	56	2.19	86	3.39	699.1	27.52	4.08	9	13	1/2″
EB45LC613-81	581	81	59.8	13	0.52	28	1.1	38.1	1.5	33.6	1.32	642	25.3	4.6	10.2	13	1/2″
EB45LC614-81	581	81	59.8	13	0.52	28.9	1.14	38.1	1.5	123	4.85	750	29.5	5.1	11.2	13	1/2″
EB45LC637-81	581	81	59.7	13	0.52	27	1.07	38	1.5	129	5.07	705.3	27.77	4.08	9	13	1/2″
EB44LC10-88	520	88	64.9	21	0.81	27.94	1.1	38.1	1.5	70.7	2.78	628	24.7	4.6	10.2	19	3/4″
EB44LC31-88	520	88	64.9	21	0.81	27.94	1.1	38.1	1.5	38.9	1.53	596	23.4	4.6	10.2	19	3/4″
EB44LC31-102	455	102	75.2	21	0.81	27.94	1.1	38.1	1.5	38.9	1.53	596	23.4	4.6	10.2	19	3/4″
EB44LC260-110	455	110	81.1	17	0.69	15	0.6	73	2.89	18	0.71	576.3	22.69	4.08	9	18	11/16″
EB34LC615-110	267	110	81.1	16	0.63	38.9	1.53	31.8	1.25	76.1	3	619.6	24.4	4.6	10.2	16	5/8″
EB45LC630-145	262	145	106.9	25	1	22	0.87	51	1.99	99	3.92	746.8	29.4	4.08	9	24	15/16″
EB55LC612-150	459	150	110.6	20	0.8	35	1.37	39	1.53	46	1.81	636.4	25.05	4.54	10	19	3/4″
EB55LC606-150	459	150	110.6	20	0.8	32.9	1.3	38.9	1.53	38.9	1.53	636.4	25.1	5.4	11.8	19	3/4″
EB55LC21-216	290	216	159.3	29	1.16	30.86	1.21	58.7	2.31	57.8	2.27	724	28.5	5.4	11.8	27	1-1/8″
EB55LC626-250	262	250	184.4	25	0.98	37.29	1.47	95.3	3.75	113.9	4.49	795.2	31.3	10.5	23.24	24	15/16″

Vertical Crowfoot Lever

EB33LC624-28	1118	28	20.7	21	0.81	14	0.55	38	1.5	75	2.95	470.8	18.53	2.49	5.5	19	3/4″
EB34LC298-49	595	49	36.2	13	0.52	20.9	0.82	38.1	1.5	97.1	3.82	559	22	3.61	7.95	13	1/2″
EB34LC586-74	408	74	54.6	21	0.81	27.94	1.1	38.1	1.5	70.7	2.78	564	22.2	3.8	8.3	19	3/4″
EB55LC625-237	309	237	174.8	25	0.98	40.89	1.61	95.3	3.75	113.9	4.49	809.8	31.9	11.4	25.23	24	15/16″

Inline Crowfoot Lever

EB22LC521-30	475	30	22.1	13	0.53	16	0.63	32	1.25	45	1.76	419.3	16.51	1.83	4.03	13	1/2″
EB33LC521-30	739	30	22.1	13	0.53	16	0.63	32	1.25	45	1.76	498	19.61	1.9	4.19	13	1/2″

Hold & Drive Lever Tools

Hold and Drive tools simultaneously hold the bolt while the nut is tightened. A formed end on the bolt interfaces with a mating tang holder or bit to prevent bolt rotation. The non-rotating tang holder or bit retracts into the tool to allow the rotating socket to engage the nut. Selection of the tang or bit holders depends on the socket size. The bolt can extend beyond the nut no further than the specified travel distance when tightened.

Hold & Drive Lever

Model	Rated Speed	Max Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Travel
	RPM	NM	lb ft	mm	in	mm	in	mm	in	kg	lb	standard
EB33LH18V1-46	880	46	33.9	18	0.71	131.9	5.2	464	18.3	2.2	4.9	1″
EB34LH22AV1-77	510	77	56.8	22	0.87	143.8	5.7	521	20.5	3.4	7.5	
EB34LH22AV1-110	335	110	81.1	22	0.87	143.8	5.7	543	21.4	3.4	7.5	
EB55LH26V1-150	620	150	110.6	26	1.02	142.8	5.6	637	25.1	5.8	12.8	
EB45LH26V1-155	400	155	114.3	26	1.02	142.8	5.6	582	22.9	5.5	12.1	
EB45LH26V1-220	260	220	162.3	26	1.02	142.8	5.6	582	22.9	5.5	12.1	
EB55LH32V1-285	340	285	210.2	32	1.3	179.6	7.1	639	25.1	6.2	13.6	
EB55LH32V1-380	225	380	280.3	32	1.3	179.6	7.1	639	25.1	6.2	13.6	
EB33LH18V2-46	880	46	33.9	18	0.71	190.3	7.5	464	18.3	2.1	4.6	2″
EB34LH22AV2-77	510	77	56.8	22	0.87	199	7.8	521	20.5	3.1	6.8	
EB34LH22AV2-110	335	110	81.1	22	0.87	199	7.8	543	21.4	3.1	6.8	
EB45LH26V2-155	400	155	114.3	26	1.02	168.2	6.6	582	22.9	4.6	10	
EB55LH26V2-210	460	210	154.9	26	1.02	168.2	6.6	637	25.1	5.8	12.8	
EB45LH26V2-220	260	220	162.3	26	1.02	168.2	6.6	582	22.9	4.6	10	
EB55LH32V2-285	340	285	210.2	32	1.3	205	8.1	639	25.1	6.2	13.6	
EB55LH32V2-380	225	380	280.3	32	1.3	205	8.1	639	25.1	6.2	13.6	

Inline Fixtured Spindles

Fixtured inline model tools range in maximum torque from 5.6 Nm to 2000 Nm. Applications include wheel nut multiple systems and workstations where the part is placed into a tool fixture for assembly.

Inline Fixtured

Model	Rated Speed	Max Torque		"R" Side to Center		"L" Length		Weight		Output
	RPM	NM	lb ft	mm	in	mm	in	kg	lb	standard
EB33MB-28	1590	28	20.6	24	0.93	359	14.1	1.89	4.15	3/8″ SD
EB33MB-40	1120	40	29.5	24	0.93	385	15.1	1.89	4.15	3/8″ SD
EB34MB1-55	830	55	40.5	32	1.03	421	16.6	2.2	4.84	1/2″ SD
EB44MB1-80	895	80	59	32	1.03	421	16.6	2.7	5.94	1/2″ SD
EB44MB1-120	557	120	88.5	32	1.03	421	16.6	2.7	5.94	1/2″ SD
EB45MB2-140	465	140	103	34	1.34	475	18.7	3.6	7.92	3/4″ SD
EB55MB2-170	640	170	125	34	1.34	475	18.7	4.3	9.46	3/4″ SD
EB45MB2-190	355	190	140	34	1.34	475	18.7	4.3	9.46	3/4″ SD
EB55MB2-250	400	250	184	34	1.34	475	18.7	5.3	11.7	3/4″ SD
EB55MB3-320	310	320	236	35	1.38	517	20.4	5.5	12.1	3/4″ SD
EB55MB4-460	220	460	339	44	1.7	564	22.2	7.5	16.8	1″ SD
EB55MB4-620	165	620	457	44	1.7	564	22.2	7.5	16.8	1″ SD
EB55MB5-800	125	800	590	48	1.9	575	22.6	9	19.8	1″ SD
EB55MB5-1100	80	1100	811	48	1.9	598	23.6	10.1	22.3	1″ SD
EB55MB5-1500	60	1500	1106	48	1.9	625	24.6	10.1	22.3	1″ SD
EB55MB5-2000	50	2000	1475	48	1.9	625	24.6	10.1	22.3	1″ SD

Hold & Drive Fixtured Spindles

Hold and Drive fixtured tools simultaneously hold the bolt while the nut is tightened the same as lever Hold and Drive models. Fixtured Hold and Drive tools range in maximum torque from 22 Nm to 220 Nm.

Hold & Drive Fixtured

Model	Rated Speed	Max Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Travel
	RPM	NM	lb ft	mm	in	mm	in	mm	in	kg	lb	standard
EB34MH22AV1-110	335	110	81.1	22	0.87	118.4	4.7	543	21.4	3.7	8.2	
EB45MH26V1-220	260	220	162.3	26	1.02	117.5	4.6	527	20.8	6	13.2	1″
EB55MH26V1-220	460	220	162.3	26	1.02	117.5	4.6	557	21.9	6.7	14.8	

Inline Retractable Fixtured Spindles

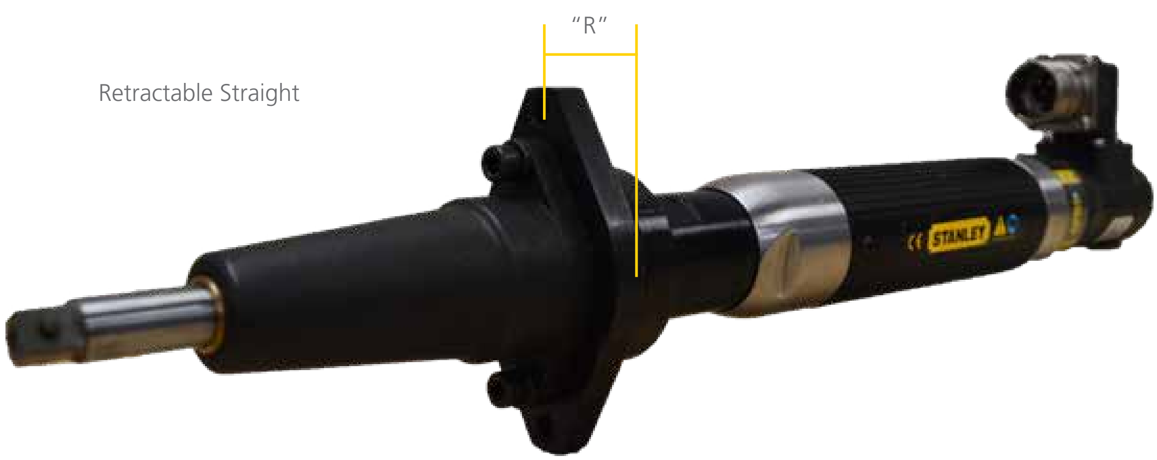
Fixtured inline model tools range in maximum torque from 5.6 Nm to 2000 Nm. Applications include wheel nut multiple systems and workstations where the part is placed into a tool fixture for assembly.

Inline Retractable Fixtured

Model	Rated Speed	Max Torque		"R" Side to Center		"L" Length		Weight		Output	
	RPM	NM	lb ft	mm	in	mm	in	kg	lb	retraction*	standard
EB33MBF1-28	1590	28	20.6	28	1.13	443	17.4	2.56	5.63		9.5 mm 3/8″ SD
EB33MBF1-40	1120	40	29.5	28	1.13	443	17.4	2.56	5.63		
EB34MB1F1-55	830	55	40.5	28	1.11	499	19.6	3.3	7.24		13 mm 1/2″ SD
EB34MB1F1-75	545	75	55.3	28	1.11	520.7	20.5	3.25	7.2		
EB44MB1F1-80	895	80	59	28	1.11	511	20.1	3.8	8.34		
EB44MB1F1-120	560	120	88.5	28	1.11	533	21	3.8	8.34		
EB45MB2F1-140	465	140	103	32	1.25	600	23.6	3.6	7.92	25 mm / 1″ or 50.8 mm / 2″*	16 mm 5/8″ SD
EB55MB2F1-170	640	170	125	32	1.25	631	24.8	6.5	14.4		
EB45MB2F1-190	355	190	140	32	1.25	600	23.6	3.6	7.92		
EB55MB2F1-250	400	250	184	32	1.25	654	25.7	6.8	15		
EB55MB3F1-320	310	320	236	34	1.34	636	25	6.7	14.74		19mm 3/4″ SD
EB55MB4F1-460	220	460	339	44	1.7	803	31.6	17.2	37.84		25mm 1″ SD
EB55MB4F1-620	165	620	457	44	1.7	803	31.6	17.2	37.84		
EB55MB5F1-800	125	800	590	50	2	840	33	18.3	40.26		
EB55MB5F1-1100	80	1100	811	50	2	863	34	18.3	40.26		
EB55MB5F1-1500	60	1500	1106	50	2	870	34.3	19.2	42.24		
EB55MB5F1-2000	50	2000	1475	50	2	870	34.3	19.2	42.24		

*To order the 2" retraction, change the "1" to a "2" in the Model Number. Example: EB55MB5F1-2000 > EB55MB5F2-2000

Retractable Straight



Angle Fixtured Spindles

Fixtured angle tools work well on applications with limited space for tool access. Maximum torque values range from 8 Nm to 400 Nm.

Angle Fixtured

Model	Rated Speed	Max Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Travel
	RPM	NM	lb ft	mm	in	mm	in	mm	in	kg	lb	standard
EB33MA15-27	1515	27	19.9	15	0.59	36.6	1.44	382.9	15.1	1.7	3.75	3/8″ SD
EB33MA19-40	1025	40	29.5	19	0.75	48.7	1.92	385.8	15.2	1.9	4.11	1/2″ SD
EB33MA18F0-48	881	48	35.4	17.5	0.69	39.3	1.55	382.8	15.1	2.41	5.31	3/8″ SD
EB33MA19-60	680	60	44.2	19	0.75	48.7	1.92	385.8	15.2	2.31	5.1	1/2″ SD
EB44MA19-55	1190	55	40.6	19	0.75	48.7	1.92	445	7.5	3.2	6.97	
EB34MA19-70	610	70	51.6	19	0.75	48.7	1.92	433	17	3.2	6.97	
EB34MA22A-80	510	80	59	22	0.87	50	2	441	17.4	3.1	6.82	
EB44MA19-80	845	80	59	19	0.75	48.7	1.92	445	17.5	3.2	6.97	
EB44MA22A-80	810	80	59	22	0.87	50	2	453	17.8	3.1	6.82	
EB34MA22A-115	340	115	84.8	22	0.87	50	2	463	18.2	3.5	7.75	
EB44MA22A-120	550	120	88.5	22	0.87	50	2	453	17.8	3.53	7.8	
EB55MA26-120	825	120	88.5	26	1.02	60	2.4	557	21.9	6.2	13.6	3/4″ SD
EB55MA26-160	620	160	118	26	1.02	60	2.4	557	21.9	6.2	13.6	
EB45MA26-165	400	165	122	26	1.02	60	2.4	503	19.8	4.6	10	
EB45MA26-220	260	220	162	26	1.02	60	2.4	527	20.7	4.6	10	
EB55MA26-220	460	220	162	26	1.02	60	2.4	556	21.9	6.7	14.7	
EB55MA32-300	340	300	221	32	1.3	73	2.9	563	22.1	7.3	16.1	
EB55MA32-400	225	400	295	32	1.3	73	2.9	563	22.1	7.3	16.1	

Angle Retractable Fixtured Spindles

Fixtured retractable angle tools work well on applications with limited space for tool access. Maximum torque values range from 8 Nm to 400 Nm.

Angle Retractable Fixtured

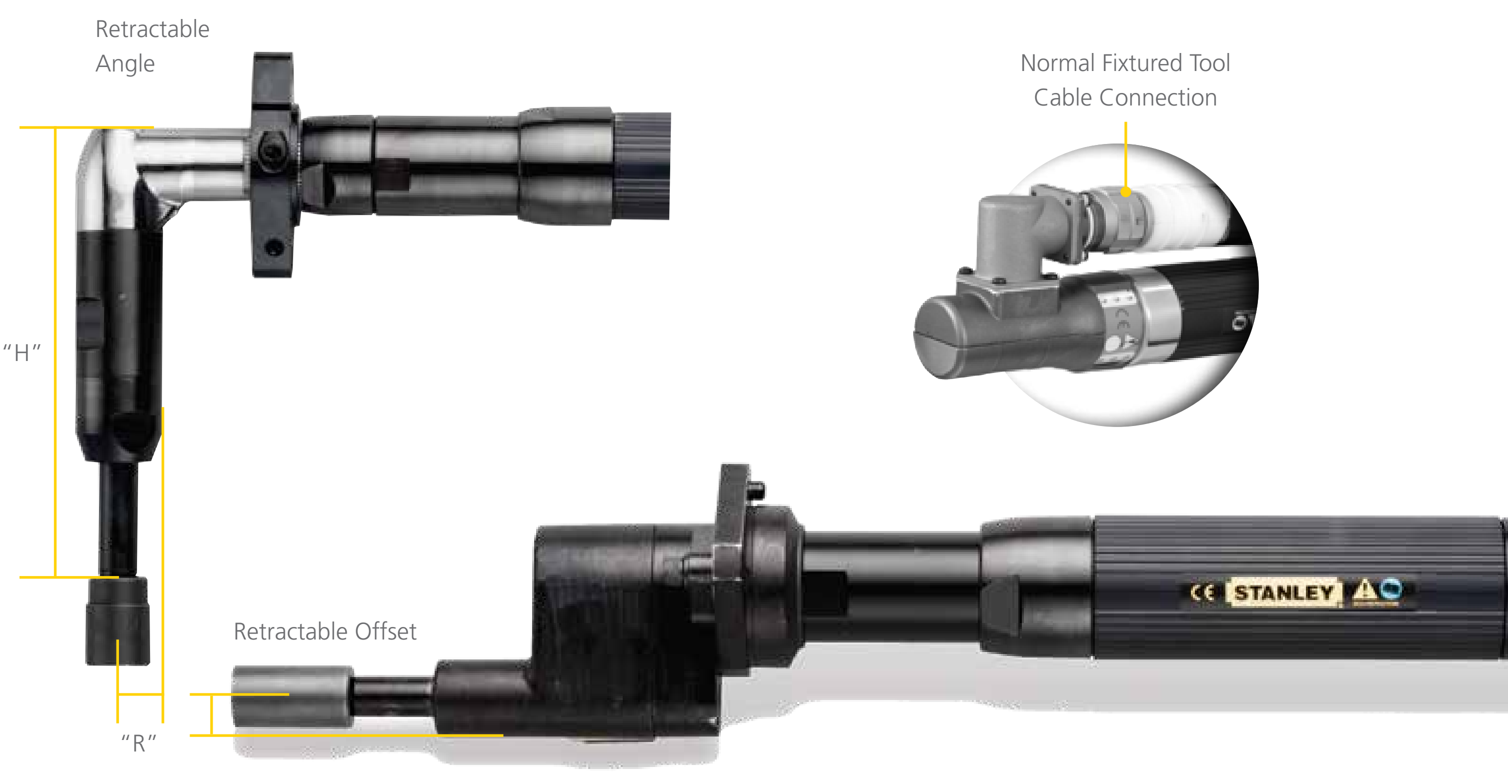
Model	Rated Speed	Max Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Output	
	RPM	NM	lb ft	mm	in	mm	in	mm	in	kg	lb	retraction	standard
EB33MA18F1-35	1165	35	25.8	18	0.71	84	3.3	462.74	18.22	3.25	7.2	25 mm 1″	3/8″ SD
EB33MA19F1-40	1025	40	29.5	19	0.75	146.5	5.8	385	15.1	2.8	6.15		1/2″ SD
EB33MA18F1-48	880	48	35.4	18	0.71	84	3.3	462.74	18.22	3.25	7.2		3/8″ SD
EB44MA19F1-55	1190	55	40.6	19	0.75	146.5	5.8	445	17.5	3.18	7.02		1/2″ SD
EB33MA19F1-60	680	60	44.2	19	0.75	146.5	5.8	385	15.1	2.8	6.15		
EB34MA19F1-70	610	70	51.6	19	0.75	146.5	5.8	433	17	2.74	6.05		
EB34MA22AF1-80	510	80	59	22	0.87	114	4.5	441	17.4	3.1	6.75		
EB44MA22AF1-80	810	80	59	22	0.87	114	4.5	453	17.8	3.5	7.72		
EB34MA22AF1-115	340	115	84.8	22	0.87	114	4.5	463	18.2	3.1	6.75		
EB44MA22AF1-120	550	120	88.5	22	0.87	114	4.5	453	17.8	3.5	7.72		
EB55MA26F1-120	825	120	88.5	26	1.02	166	6.5	557	21.9	5.2	11.4		3/4″ SD
EB55MA26F1-160	620	160	118	26	1.02	166	6.5	557	21.9	5.2	11.4		
EB45MA26F1-165	400	165	122	26	1.02	166	6.5	503	19.8	4.6	10		
EB45MA26F1-220	260	220	162	26	1.02	166	6.5	527	20.7	4.6	10		
EB55MA26F1-220	460	220	162	26	1.02	166	6.5	557	21.9	7.5	16.6		
EB55MA32F1-300	340	300	221	32	1.26	178	7	563	22.1	7.3	16.1		
EB55MA32F1-400	225	400	295	32	1.26	178	7	563	22.1	7.3	16.1		
EB33MA18F2-35	1165	35	25.8	18	0.71	176.28	6.94	462.74	18.22	3.25	7.2	50.8 mm 2″	3/8″ SD
EB33MA18F2-48	880	48	35.4	18	0.71	176.28	6.94	462.74	18.22	3.25	7.2		
EB33MA19F2-60	680	60	44.2	19	0.75	193	7.6	386	15.2	3.1	6.83		1/2″ SD
EB34MA19F2-70	610	70	51.6	19	0.75	177.67	6.99	433.16	17.05	3.5	7.7		3/8″ SD
EB34MA22AF2-115	335	115	84.8	22	0.87	186.2	7.33	463	18.2	3.5	7.7		
EB55MA26F2-220	460	220	162	26	1.02	225	8.9	557	21.9	5.7	12.5		5/8″ SD
EB55MA32F2-300	340	300	221	32	1.26	269	10.6	563	22.2	7.8	17.2		3/4″ SD
EB55MA32F2-400	225	400	295	32	1.26	269	10.6	586	23	7.8	17.2		

Offset Retractable Fixtured Spindles

Fixtured offset spindle heads allow simultaneous fastening on close center distances. Maximum torque values range from 5 Nm to 225 Nm.

Offset Retractable Fixtured

Model	Rated Speed	Max Torque		"R" Side to Center		"L" Length		Weight		Output	
	RPM	NM	lb ft	mm	in	mm	in	kg	lb	retraction	standard
EB33MDF1-25	1590	25	18.4	13	0.51	443	17.5	3.1	6.78	19mm 3/4″	3/8″ SD
EB33MDF1-36	1120	36	26.6	13	0.51	443	17.5	3.1	6.82		
EB34MD1F1-48	830	48	35.4	17	0.67	499	19.7	4.4	9.68	25mm 1″	1/2″ SD
EB44MD1F1-70	895	70	51.6	17	0.67	511	20.2	4.8	10.56		
EB44MD1F1-108	560	108	79.7	17	0.67	533	21	4.8	10.56		
EB45MD2F1-125	465	125	92.2	19	0.75	584	23	10.5	23.2		5/8″ SD
EB55MD2F1-150	640	150	110.7	19	0.75	614	24.2	10.5	23.2		
EB45MD2F1-170	355	170	125.4	19	0.75	584	23	10.5	23.2		
EB55MD2F1-225	400	225	166	19	0.75	637	25.1	10.5	23.2		
EB33MDF2-25	1590	25	18.4	13	0.51	535	21.1	3.2	7.1	51mm 2″	3/8″ SD
EB34MD1F2-48	830	48	35.4	17	0.67	599	23.6	4.8	10.56		1/2″ SD
EB45MD2F2-125	465	125	92.2	19	0.75	663	26.1	10.9	24		5/8″ SD
EB45MD2F2-170	355	170	125.4	19	0.75	663	26.1	10.9	24		
EB55MD2F2-225	400	225	166	19	0.75	717	28.2	10.9	24		



QBE Controllers

THE QBE CONTROLLER PLATFORM delivers industry-leading advanced process control, system configuration flexibility, ease of set-up options both on-screen and with embedded software utilities, and exceedingly high performance. From an error proofing system to assembly line control system, STANLEY QBE Controllers are the standard for all others in precision threaded fastening control.

The QBE Controller Platform Features:

Low Cost of Ownership: Single control platform for the complete range of STANLEY Assembly Technologies Tools to 2000 Nm, handheld and fixtured.

Durability: All controllers have an Ingress Protection rating 54 (IP 54)

Flexibility: Connectivity options include 24V I/O, USB, Ethernet, Serial and Fieldbus

Ease of Use: QBE Expert, Specialist, Advanced and Standard plus controllers can be setup from the front panel or from a computer's web browser using the Alpha Toolbox Ethernet connection

Intelligent Connectivity: Alpha Toolbox, included in every QBE Controller, is used to program strategies, collect fastening cycle and trace data, and perform online diagnostics of the tool and controller.

Intuitive Design: The Wizard provides an easy method to control programming directly from the keypad on the controller or with Alpha Toolbox software

Inexpensive Upgrade Path: The QBE Controller is designed to power the complete STANLEY Assembly Technologies tool product line:

- EB-Series Corded and Fixtured Tools
- B-Series Cordless Tools
- E-Series Corded and Fixtured Tools
- Previous generations (EA-Series and EC-Series Tools)

Quick and Easy Setup: Program from the controller keypad, with a PC, tablet, or smart phone.

QBE Expert Controllers — Premier Multi-Spindle System

- Manages up to 24 trailing spindles corded and/or cordless (Advanced, Nodes, and Cordless)
- A maximum of 15 Cordless Connections are supported
- An 802.11 b/g/n wireless access point for B-Series Cordless Tools and ATB programming & monitoring
- Stores Trace Data for 30,000 Fastening Cycles for Corded Tools
- 255 jobs, 99 tasks, 12 steps including smart steps and all advanced strategies
- Includes a USB port, a plant network Ethernet port, a Spindle network Ethernet port, Serial port, an emulated PLC function, embedded Modbus TCP, PFCS, OPEN Protocol, Toolsnet, and XML Results
- 24V DC I/O, 8 Inputs / 8 Outputs, assignable

Alpha Model Number for Optional Features	DeviceNet	PROFIBUS	EtherNet/IP	PROFINET	GM Ports	Lead	Devicenet Available	M12 EtherNet/ IP ports
QB4101-MGV					✓		✓	
QB4101-MXV							✓	
QB4101-XEV			✓					
QB4101-XDV	✓							
QB4101-XGV					✓			
QB4101-XMV			✓					✓
QB4101-XNV				✓				
QB4101-XPV		✓						
QB4101-XXV								

QBE Specialist Controllers — Premier Multi-Spindle Cordless System

- Manages up to 24 trailing spindles (Advanced and Nodes required for corded tools)
- A maximum of 15 Cordless Connections are supported
- An 802.11 b/g/n wireless access point for B-Series Cordless Tools and ATB programming & monitoring
- Includes a USB port, a plant network Ethernet port, a Spindle network Ethernet port, Serial port, an emulated PLC function, embedded Modbus TCP, PFCS, OPEN Protocol, Toolsnet, and XML Results
- 24V DC I/O, 8 Inputs / 8 Outputs, assignable

Alpha Model Number for Optional Features	DeviceNet	PROFIBUS	EtherNet/IP	PROFINET	GM Ports	Lead	Devicenet Available		M12 EtherNet/ IP ports
QB5100-MGV					✓		✓	IEEE 802.11	
QB5100-MXV							✓	IEEE 802.11	
QB5100-XDV	✓							IEEE 802.11 b/g/n	
QB5100-XEV			✓						
QB5100-XGV					✓		✓		
QB5100-XMV			✓					IEEE 802.11	✓
QB5100-XNV				✓				IEEE 802.11 b/g/n	
QB5100-XPV		✓							
QB5100-XXV							✓		
QB5300-XXV							✓	IEEE 802.15.4	

QBE Advanced Controllers — Standalone or Dual Spindle System

- Two-line color display and soft key keypad
- Premier trailing spindle option (Can act as a trailing spindle to an Expert, Specialist, or another Advanced controller)
- Operates as a Standalone Controller or as part of a dual spindle system
- The Advanced controller can control up to 2 spindles including its own (Node or Advanced controller can be used)
- Stores Trace Data for 30,000 Fastening Cycles
- 255 jobs, 99 tasks, 12 steps including smart steps and all advanced strategies
- Includes a USB port, Serial port, 2 Ethernet ports, an emulated PLC function, embedded Modbus TCP, PFCS, OPEN Protocol, Toolsnet, and XML Results
- 24V DC I/O, 8 Inputs / 8 Outputs, assignable

Alpha Model Number for Optional Features	DeviceNet	PROFIBUS	EtherNet/IP	PROFINET	GM Ports	Lead Devicenet Available	M12 EtherNet/IP ports
QB3101-MGV					✓	✓	
QB3101-MXV						✓	
QB3101-XDV	✓						
QB3101-XEV			✓				
QB3101-XGV					✓		
QB3101-XMV			✓				✓
QB3101-XNV				✓			
QB3101-XPV		✓					
QB3101-XXV							

QBE Standard Plus Controllers — Standalone Spindle Only

- Economical, single Controller system option
- Two-line color display and soft key keypad
- Operates as a Standalone Controller
- The Standard Plus controller can control 1 spindle (Corded and Fixtured)
- Stores Trace Data for 30,000 Fastening Cycles
- 255 jobs, 99 tasks, 12 steps including smart steps and all advanced strategies
- Includes a USB port, Serial port, ATB ethernet port, and an emulated PLC function
- 24V DC I/O, 8 Inputs / 8 Outputs, assignable

Alpha Model Number	Serial	Ethernet	USB	24V DC I/O	Modbus/TCP	Alpha Toolbox
QB2201	✓		✓	✓		✓

QBE Node Controllers — Standalone or Trailing Spindle System

- Economical trailing spindle system option (Can act as a trailing spindle to an Expert, Specialist, or an Advanced controller)
- Two-line color display and soft key keypad
- Operates as a Standalone Controller
- The Standard Plus controller can control 1 spindle (Corded and Fixtured)
- Stores Trace Data for 30,000 Fastening Cycles
- 255 jobs, 99 tasks, 12 steps including smart steps and all advanced strategies
- Includes an ATB ethernet port, 2 ethernet ports, and an emulated PLC function

Alpha Toolbox Software for QBE Controllers

Alpha Toolbox, included in every QBE Controller, is used to program strategies, collect fastening cycle and trace data, and perform online diagnostics of the tool and controller.

- Tool configuration
- Tool diagnostics
- Data Collection and Maintenance Intervals
- Advanced user integration
- No set-up required
- Intuitive and Easy to Use
- Flexible Connectivity

QBE Controllers include a dedicated Alpha Toolbox port. This browser based software is executed from a serial connection to the controller or wirelessly on a tablet, PC or phone. Simply connect a computer to the port, type "ATB.QPM" into a web browser and the software is available for use. The Wizard provided by STANLEY, offers an easy method to control programming directly from the keypad on the controller or with Alpha Toolbox. Users can also take advantage of advanced programming using Alpha Toolbox or Alpha Gateway software with a computer. For advanced, multiple tool systems, Alpha Toolbox includes a PLC Editor for easy integration.

Cables

STANLEY Assembly Technologies high-flex cable design offers industry leading life expectancy. The rugged, durable design reduces downtime associated with cable failures as well as replacement cable purchases. All high-flex cables are CE compliant and meet UL/CSA specifications. The cable connector includes strong, MIL-SPEC pins, that conduct signals and withstand numerous connection/disconnection cycles. They offer a convenient ¼ turn bayonet connector and ratcheting mechanism that prevents walk-off.

Lever & Pistol 20C1073## Lightweight

Lever & Pistol 20C1076## Heavy Duty

Lever & Pistol 20C1077## 90 Degree

EB Tool Cable Options*

Cable End	Cable	Lite / Heavy Duty	Base Part #	Cable Length					Tool Size Compatability
Straight	Hi-Flex Whip	Lite Duty	20C1073##	01	03	05	07	10	EB12-EB33 All non-Fixtured tools
Straight	Hi-Flex Whip	Heavy Duty	20C1076##	01	03	05	07	10	EB12-EB55 All non-Fixtured tools
90 Degree	Hi-Flex Whip	Heavy Duty	20C1077##	01	03	05	07	10	EB12-EB55 All non-Fixtured tools
Straight	Hi-Flex Whip	Heavy Duty	20C1093##	01	03	05	07	10	EB33-EB55 All Fixtured Style tools
90 Degree	Hi-Flex Whip	Heavy Duty	20C1094##	01	03	05	07	10	EB33-EB55 All Fixtured Style tools

Choose a cable length and add to the end of the base cable part number.

*Fits all EB-Series Lever Tools (and older EA and EC-Series Tools)

Fixtured Straight 20C1093##

Fixtured 90 Degree 20C1094##

EB-Series Tool Accessories

Lever Handle Options

- Two Hand Anti-Tiedown Start Switch Option
- Headlight Kit
- Forward Facing Lever
- Extended Lever
- Rubber Handle Grip

Pistol Handle Options

- Top Exit
- Rubber Handle Grip

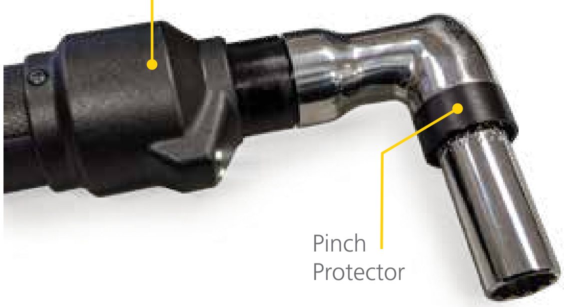
Output Accessories

- Pinch Protectors
- Gearcase Extensions
- Protective Head Covers/ Anti-Mar
- Extended Spindle Support
- Redundant Transducer
- Optional Size Outputs (1/4" SD, 1/4"QC, 3/8" SD, 1/2" SD, 3/4", 1" SD)

Tool Mounting Options

- Wire Bail
- Swivel Bail
- Reaction Arm
- Base Mount Bracket
- Flange Mount Bracket

Headlight Kit



Pinch Protector

Two Hand Anti-Tiedown Start Switch

PVC Cover

Crowfoot Vinyl Cover

Tubenut Vinyl Cover

Angle Head Vinyl Cover

Complete Engineered Systems Solutions

Single and multi-spindle systems include the complete line of STANLEY DC electric assembly tools. Available features include spindle synchronization, cycle complete operation, absorption of reaction torque and operator feedback with error-proofing options. A complete line of torque tubes and articulating arm systems can balance loads to 500 pounds and maintain torque reaction to 5,000 Nm.

Custom solutions are matched to unique assembly needs using extensive engineering experience, a complete line of assembly spindles, process controllers and tightening strategies. Some examples are flywheel indexing, wheel bearing end play, articulated jibs and high torque crowfoot tools. STANLEY also builds full and semi-automated systems, as well as offline subassembly stations.

Engineered Systems capabilities include custom design and build services, joint analysis, total project management, installation, start-up services and technical support. Our engineers are experts in evaluating your needs and converting them into solutions that improve the productivity, ergonomics and quality of your manufacturing operations. Armed with the skills to anticipate and prevent potential problems, STANLEY designs systems on which you can rely to deliver the performance and reliability you demand.

World-Class Technical Support

As a supplier to the assembly market, STANLEY has developed a global sales and service network to support the manufacturing operations of our customers. STANLEY offers many levels of customer support, from basic maintenance and operator training to full service repair facilities and maintenance service contracts.

Turnkey System Design & Control Strategies

STANLEY offers these important advantages:

- A menu of standard and customized solutions apply to a wide range of applications
- Integrated supplier (all tools, controllers, accessories, etc., plus design and installation / support services from a single source) for assured, seamless system integration
- Full project management accountability with single point contact

STANLEY Turnkey Solutions:

- Application engineering
- Comprehensive system design capabilities including estimates, specification, manufacturing and flexible component sourcing
- Project scheduling
- System integration
- Installation / Startup
- PLC Software, custom ladder
- Documentation
- Training

STANLEY Solutions in Action

Multi-Spindle Fixtured Tools

SEMI-AUTOMATION

Off road final drive assembly machine

TRUNNION MOUNT STYLE

Secures fasteners in randomly oriented bolt circle

BOLT-HOLDING

Holds bolt stationary while securing nut

Custom Configurations

HIGH-TORQUE Crowfoot Tools

WHEEL BEARING END-PLAY

Multi-step strategy achieves end play spec

FLYWHEEL INDEXER Secures torque converter to flywheel

ARTICULATED ARMS AND JIBS

STANLEY Assembly Technologies designed, manufactured, programmed, and installed the custom threaded fastening solution seen above. This provided the customer with a complete turnkey system including data recording, error proofing, plant network integration, and data analysis capability.

STANLEY
Engineered Fastening

Stanley Engineered Fastening — a division of Stanley Black and Decker — is the global leader in precision fastening and assembly solutions. Our industry-leading brands, Avdel®, Integra™, Nelson®, Optia™, POP®, STANLEY® Assembly Technologies, and Tucker®, elevate what our customers create. Backed by a team of passionate and responsive problem-solvers, we empower engineers who are changing the world.

STANLEY ENGINEERED FASTENING FAMILY OF BRANDS

AVDEL INTEGRA NELSON OPTIA POP STANLEY Assembly Technologies TUCKER