

Elite BLEF Series

Medium Torque 4-45 kgf·cm/3.5-39 lb·in



WHAT IS ELITE BLEF



- ✓ Traditional mechanical clutch set torque shut-off mechanism with the least electronics
- ✓ To provide the best cost-quality balance assembly
- ✓ To provide the highest assembly rate possible with a simple set torque and repeat the same set torque reliably
- ✓ Fully upgradable to more electronic signaling input and output



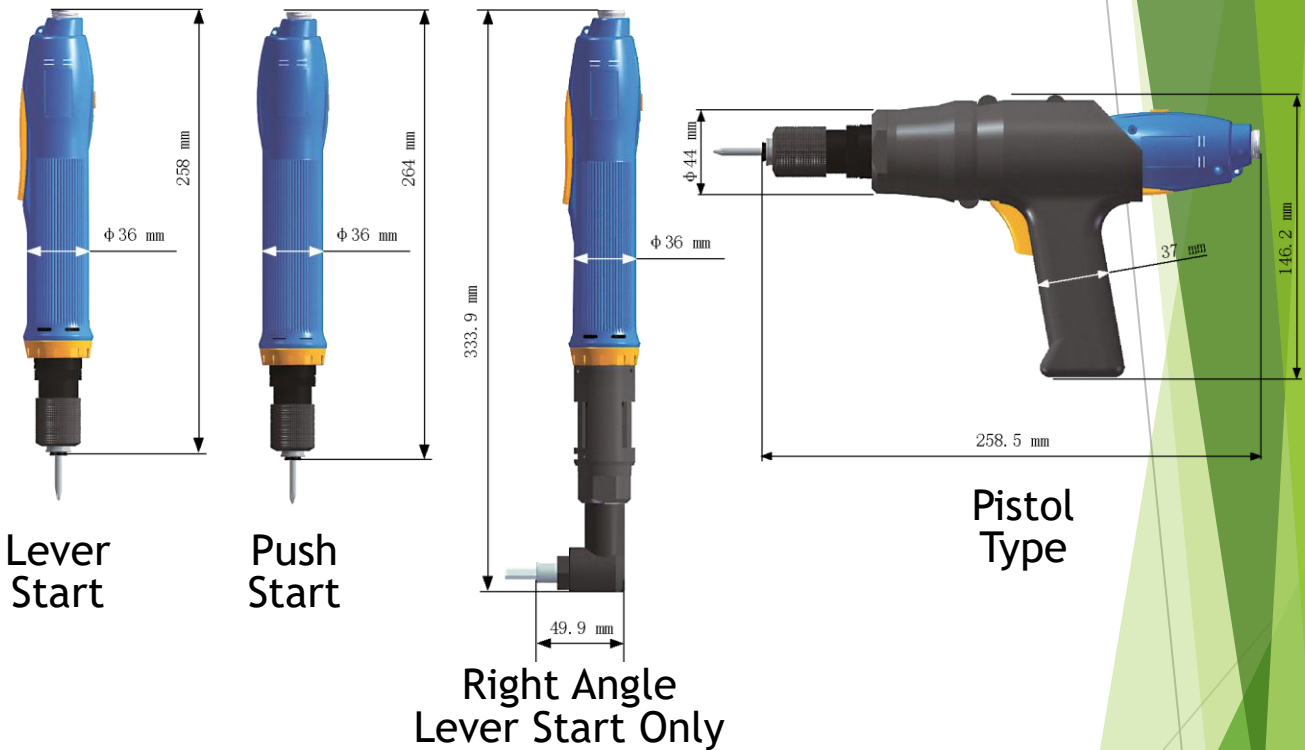
COST

QUALITY

MEDIUM TORQUE SPECIFICATIONS

Technical Specifications

Model Number		Applicable Power	Voltage (DCV)	Torque Range		No-Load Speed rpm±10%	Weight g	Diameter mm	Length mm	Available Socket	Thread Diameter (mm)	
Lever Start	Push-Start			kgf-cm	lb-in						Machine	Tapping
S-BLEH-M161LF	S-BLEH-M161PF	S-AEM-301A	20-30	4-18	3.5-16	2000	546	φ36	264	φ5 or SH5 or SH1/4	2.4-4.0	2.0-3.0
S-BLEH-M201L	S-BLEH-M201P		20-30	5-20	4.5-18	1100	546	φ36	264	φ5 or SH5 or SH1/4	2.4-4.0	2.0-3.0
S-BLEH-M351L	S-BLEH-M351P		20-30	10-35	7-26	1100	546	φ36	264	SH5 or SH1/4	3.5-5.0	3.0-4.0
S-BLEH-M451L	S-BLEH-M451P		20-30	15-45	13-39	320	546	φ36	264	SH5 or SH1/4	4.0-6.0	3.0-5.0



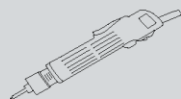
S-AEM-301A (For All S-BLEF-M Models)

- ▶ 100-240 Vac @ 50/60 Hz to 30 Vdc universal switching power adapter and Rated Power @ 75W
- ▶ Upgradable to AD-40 (Counter+I/O), Standard AP, and Foolproof AM models

BLEF vs. Direct-Plug-In & Pneumatic Drivers

Issues from traditional tools

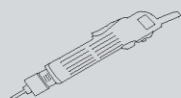
Direct Plug-in



Electric Shock, Hot Torque Loss, Breakage



Direct Plug-in Low RPM

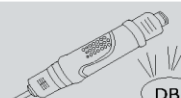


Low Productivity

BLEF & BLF → 2000rpm
Direct Plug-in 1000rpm



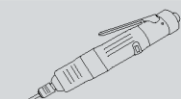
High Noise Level



Dusty Environment



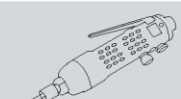
Hydraulic



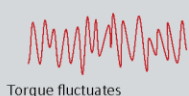
Unstable Power Source



Impact Drivers



Output Torque Unstable



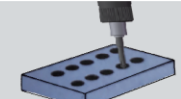
Screw Management



Missing Screw



Generic Tool



Operator Dependence



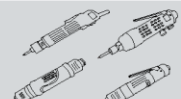
Tightening Result



Operator Judgment



Various Tools



High Maintenance



Issues resolved by BLEF/BLF

Environment Friendly BLDC

Low Voltage Brushless Motor, Almost Maintenance-Free and High Stability



Essential & Effective BLEF

Brushless with High Stability and Speed with very low maintenance



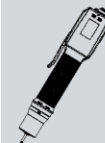
Push Start BLEF

No Air Source Needed, No Exhaust, No Dust, No Ear Plug, and No Pollution. Only Efficiency



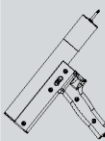
Lever Start BLEF

Stable Power Source and Torque Output and No Need For Constantly Replacing Worn-Out Parts



High-Efficiency Brushless Motor

Low Noise and Compact in Size to Operate with Efficient High Output Torque



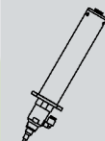
Optional Screw Manager

Optional Screw Manager to Manage Tightening Result, Count, Time and Workpiece to Ensure Quality



Automated Version BLEF

Optional Automated Features with Suction Pick and Blow Feed Operation to Increase Productivity



Upgradeable to Fool-Proof

Can Judge Each Tightening OK/NG via Optional Screw Manager to Avoid Any Tightening Quality Issue



Single Tool Brand & Series

Medium Torque BLEF Series Covers 0.15 - 50 kgf-cm That Highly Reduces The Maintenance Costs of Using Various Brands

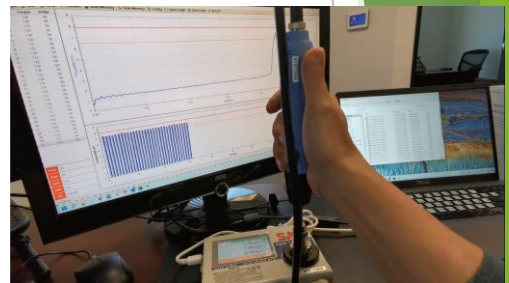
SAS
BLEF

AFTER-SALES

CALIBRATION & WARRANTY

Calibration

- ❖ Although the scales on the torque ring are normally used to set up target torque values, it is strongly recommended to use a torque tester to verify the set torque instead of using the scales only.
- ❖ Use an appropriate fidaptor to set up target torque instead of using one for all different tightening conditions (machine vs. tapping, for example, high torque vs. low torque being another example)



Warranty

- ❖ Manufacturer's warranty includes materials and workmanship for one year or 2 million cycles from invoice date with a valid serial number due to manufacturing defect under normal usage



SAS Torque Tester



SAS Fidaptor

SAS POWER TOOLS INC

196 Technology Dr., Suite B, Irvine, CA 92618 USA

www.saspowertools.com

info@saspowertools.com
