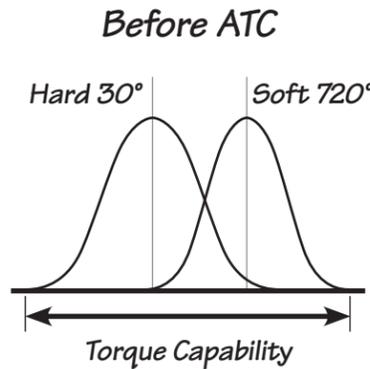


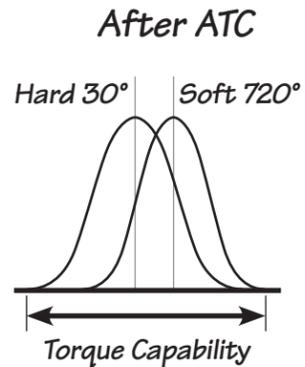
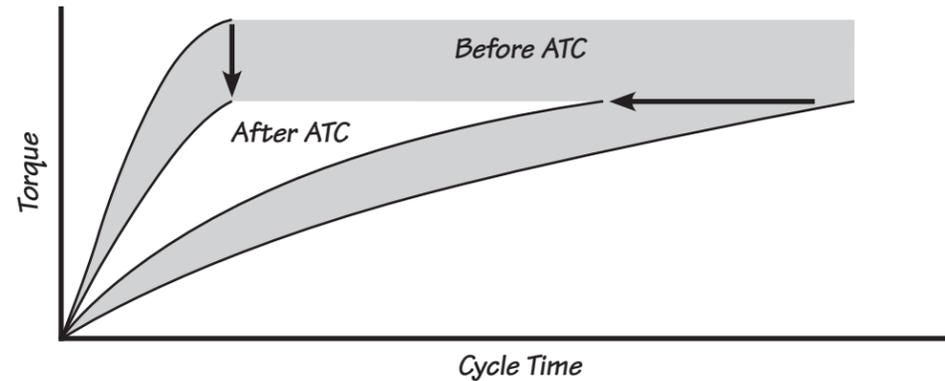


Ergonomics

QPM ATC prevents sudden downshifting which can reduce operator fatigue and torque reaction impulse as compared to other DC electric tools. Soft stop feature prevents sudden change in torque reaction to the operator.



Improved Capability and Reduced Cycle Time



Return On Investment (ROI)

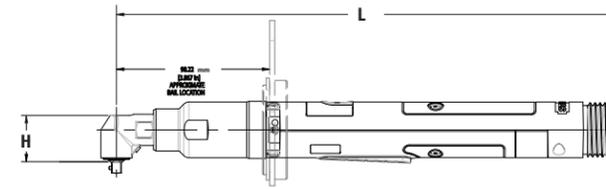
QPM can improve ROI in a new assembly process by providing a lower overall life cycle cost as compared to pneumatic and other DC electric tool solutions. When comparing tooling solutions, it is important to look at the Total Cost of Ownership, which includes operating costs as well as up-front acquisition costs.



Flexibility

QPM enables flexible manufacturing. A single tool can be set to assemble joints of different target torque levels. In contrast, separate pneumatic tools are required for each different torque level, increasing initial cost and the repetitive cost of setup. Flexible architecture simplifies service and reduces inventory.

Angle Lever Tools (4 to 60 Nm)



	Rated Speed	Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Output
Model	RPM	Nm	lb ft	mm	in	mm	in	mm	in	kg	lb	Standard
EB02LA10-4	1120	4	2.95	10	0.39	31.9	1.26	319.3	12.6	0.89	1.96	1/4" SD
EB02LA10-6	742	6	4.42	10	0.39	31.9	1.26	319.3	12.6	0.89	1.96	1/4" SD
EB02LA13-6	717	6	4.42	13	0.51	32.7	1.29	321.6	12.7	0.89	1.96	3/8" SD
EB12LA10-6	2110	6	4.42	10	0.39	31.9	1.26	319.3	12.6	0.93	2.05	1/4" SD
EB12LA13-9	1399	9	6.64	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	1552	13	9.58	13	0.51	32.7	1.29	343.3	13.5	1.08	2.38	3/8" SD

	Rated Speed	Torque		"R" Side to Center		"H" Head Height		"L" Length		Weight		Output
Model	RPM	Nm	lb ft	mm	in	mm	in	mm	in	kg	lb	Standard
EB12LA13-18	764	18	13.27	13	0.51	32.7	1.29	321.8	12.7	0.93	2.05	3/8" SD
EB22LA13-18	1076	18	13.27	13	0.51	32.7	1.29	343.3	13.5	1.08	2.38	3/8" SD
EB22LA15-24	824	24	17.7	15	0.59	36.5	1.44	366.5	14.4	1.21	2.66	3/8" SD
EB12LA15-25	507	25	18.43	15	0.59	36.5	1.44	346.2	13.6	1.06	2.33	3/8" SD
EB33LA15-27	1516	27	19.91	15	0.59	36.5	1.44	415.7	16.4	1.55	3.41	3/8" SD
EB33LA18-35	1163	35	25.81	18	0.71	39.3	1.55	444.7	17.5	1.66	3.65	3/8" SD
EB22LA15-40	470	40	29.49	15	0.59	36.5	1.44	366.5	14.4	1.23	2.71	3/8" SD
EB33LA15-40	1016	40	29.49	15	0.59	36.5	1.44	415.7	16.4	1.55	3.41	3/8" SD
EB33LA19-40	1023	40	29.49	19	0.75	48.7	1.92	458.4	18.0	1.87	4.11	1/2" SD
EB33LA18-48	881	48	35.39	18	0.71	39.3	1.55	455.4	17.9	1.66	3.65	3/8" SD
EB43LA18-48	1362	48	35.39	18	0.71	39.3	1.55	455.4	17.9	2.10	4.62	3/8" SD
EB33LA19-60	679	60	44.24	19	0.75	48.7	1.92	458.4	18.0	1.87	4.11	1/2" SD
EB43LA19-60	1128	60	44.24	19	0.75	48.7	1.92	458.4	18.0	2.31	5.08	1/2" SD

EB Angle Tool Options

Output	Part No.
3/8" Square Drive	20D122901
1/4" Quick Change	20D122902
A13 Output	Part No.
3/8" Double-Ended, LH Thread	20D121912
Flush Socket 10mm Max*	20D121914
1/4" Quick Change	20D121916
3/8" Double-Ended, RH Thread	20D121917
Flush Socket 13mm Max*	20D121918
1/4" Square Drive	20D121919
1/4" Magnetic Internal Hex	20D121920
A15 Output	Part No.
Flush Socket *	20D137501
Magnet Option for Flush Socket	20D910301
A18 Output	Part No.
3/8" Double-Ended, RH Thread	20D136502
Flush Socket *	20D136503
A19 Threaded Output	Part No.
Flush Socket *	20D100021
A19 Spindled Output	Part No.
Anit-Vibration 1/2" SD	20D100101
Flush Socket *	20D100106
1/2" Double-Ended, RH Thread	20D100107
Guided Collar 1/2" SD**	20D100109
A22 Output	Part No.
Flush Socket*	20D100309
1/2" Double-Ended, RH Thread	20D100326
Guided Collar 1/2" SD**	20D100321
Reaction Bar (A22 Output Only)	Part No.
Reaction Bar Assembly	20K100000
Mounting Flange Assembly	20K100300
Base Mount Bracket Assembly	20K100500
Suspension Bails	Part No.
Wire Bail	A3061
Swivel (A10, A13, A18 only)	20K101400
Swivel (A19, A22 only)	20K200000
Standard (A13, A15, A18 only)	B3432
Vinyl Covers	Part No.
A10 Output	20D250711
A13 Output	20D250711
A18 Output	20D250702
Socket Lock Pin 3/8" or 1/2" SD	Part No.
Standard	20D227800
Rounded (Ball Detent)	20D227801

*Flush socket selection starts on page 76
** Guided Collar selection on page 100