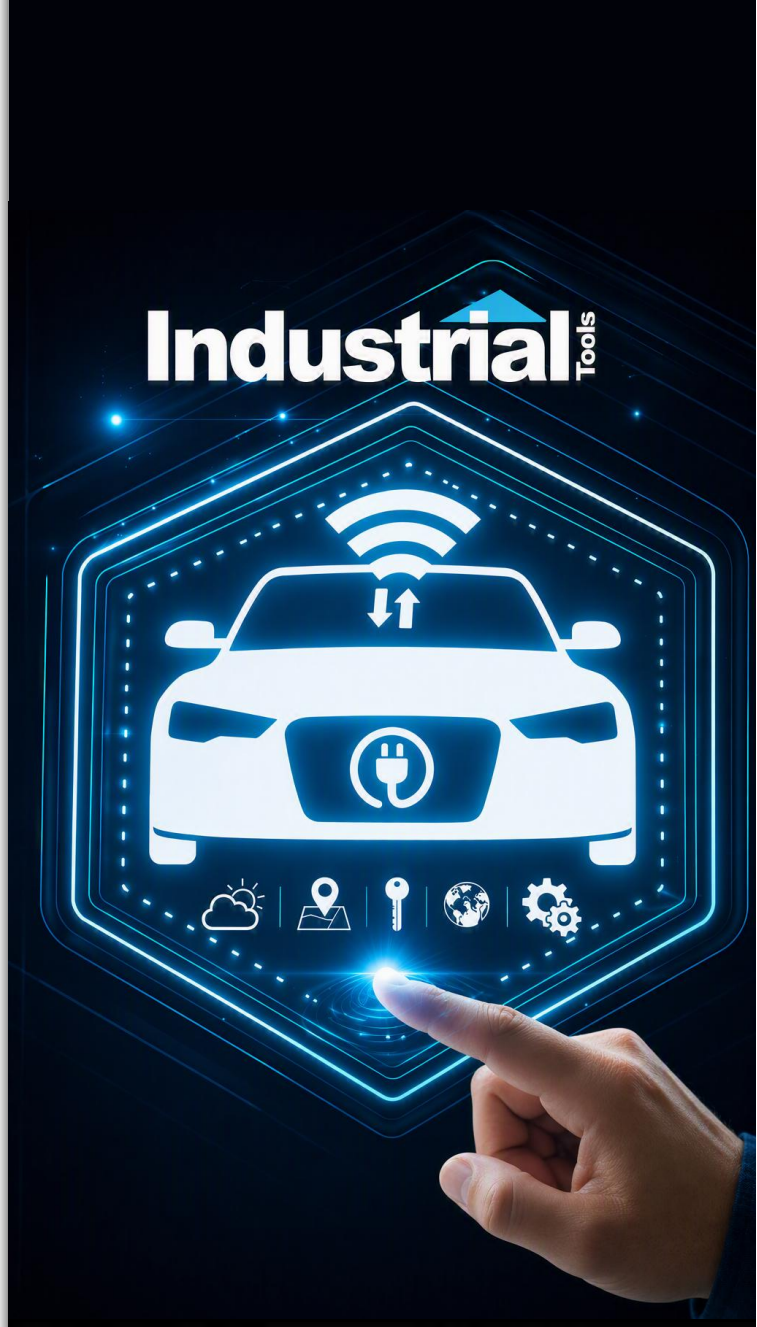
Desoutter

INSULATED ASSEMBLY SOLUTIONS FOR ELECTRIC VEHICLES



"Protect every operator, secure EV assembly"

More Than Productivity

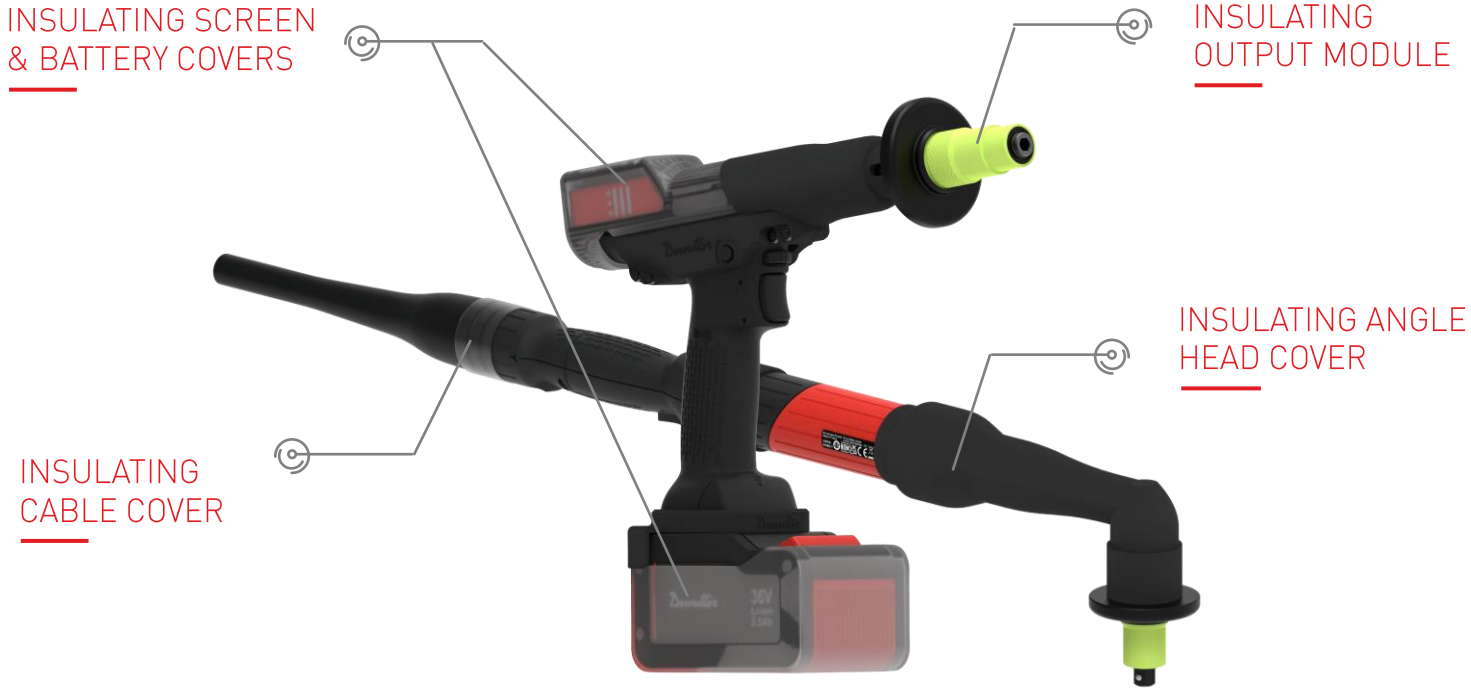




PROTECT PEOPLE AND EQUIPEMENT

The assembly of components exposed to high voltages such as busbars and harnesses, requires the use of insulated tools to protect the operators, the tools, and the production line from electrical shocks and damages.

We designed solutions that combine efficiency and ergonomics to fit a wide range of applications in the ever-growing automative industry for electrical vehicles.



IEC STANDARD **COMPLIANT**



International Electrotechnical Commission

- Insulated tools compliant to applicable clauses of IEC 60900:2018 + C2:2020 and IEC 60664-1:2020
- Prevents electrical breakdown for currents up to 1000 V/AC and 1500 V/DC
- All insulated output modules are tested and marked

DEKRA

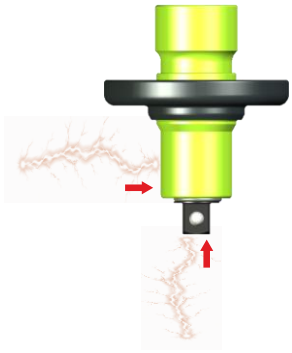
OUTPUT MODULE AT THE HEART OF THE SOLUTION

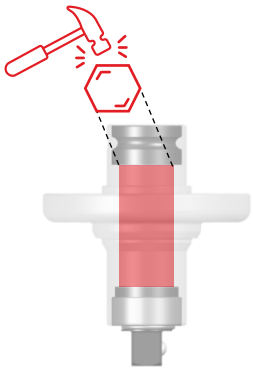
AXIAL and **RADIAL** insulation

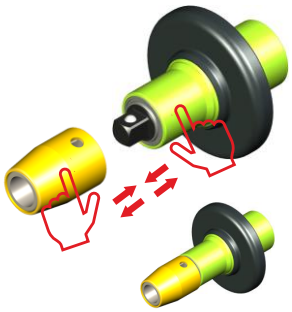
UP TO **80Nm** with a ceramic core

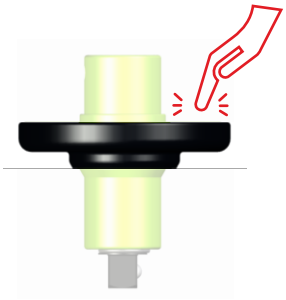
QUICK CHANGE versions for flexibility

PROTECTIVE RING to avoid slipping

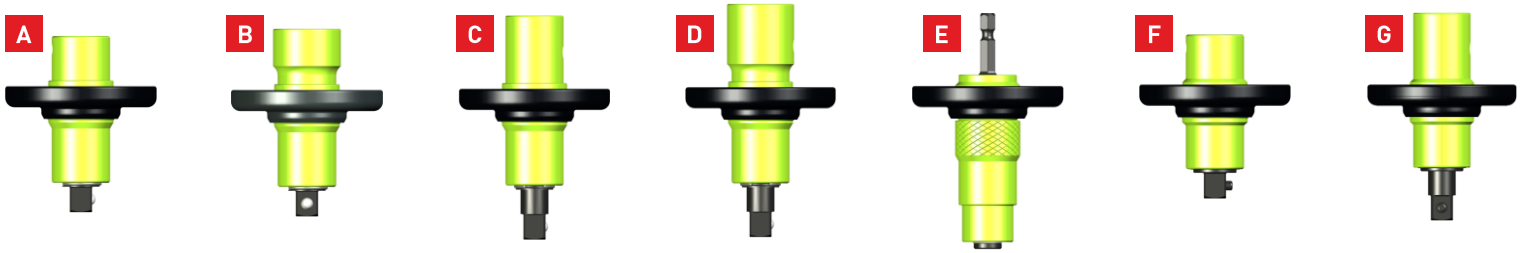


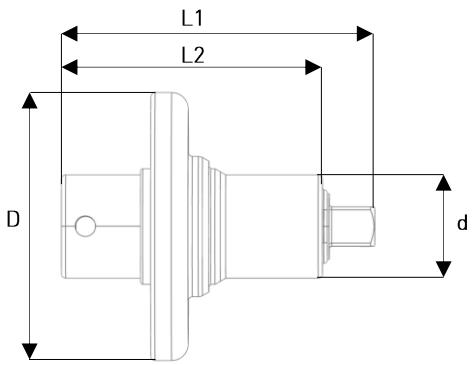






REP	PART NUMBER	MODEL	INPUT		OUTPUT		GUIDED	MAX TORQUE		L1	L2	D	d
			Type	in.	Type	in.		Nm	ft.lbs	mm	mm	mm	mm
A	4027051800	QCA-SQ3/8"-L76-SQ3/8"-R-IH	Pin Fix	SQ 3/8	Quick Change	SQ 3/8	No	80	59	76	63	65 / 37	25
B	4027051801	QCA-SQ1/2"-L80-SQ3/8"-R-IH	Pin Fix	SQ 1/2	Quick Change	SQ 3/8	No	80	59	80	68	65 / 37	25
C	4027051802	QCA-SQ3/8"-L96-SQ3/8"-R-IH-G	Pin Fix	SQ 3/8	Quick Change	SQ 3/8	Yes	80	59	96	73	65 / 37	25
D	4027051803	QCA-SQ1/2"-L100-SQ3/8"-R-IH-G	Pin Fix	SQ 1/2	Quick Change	SQ 3/8	No	80	59	100	78	65 / 37	25
E	4027051804	QCA-HEX1/4"-L102-HEX1/4"-R-IH	Pin Fix	HEX 1/4 M	Quick Change	HEX 1/4 F	No	80	59	102	72	65 / 37	25
F	4027051805	EXT-SQ3/8"-L70-SQ3/8"-R-IH-P	Pin Fix	SQ 3/8	Pin Fix	SQ 3/8	No	80	59	70	58	65 / 37	25
G	4027051806	EXT-SQ3/8"-L90.5-SQ3/8"-P-IH-G	Pin Fix	SQ 3/8	Pin Fix	SQ 3/8	Yes	80	59	91	68	65 / 37	25





EABcom and B-Flex Series

5 to 75 Nm (3.7 to 55 ft.lb) – 10 to 560 rpm



PART NUMBER	MODEL	OUTPUT		TORQUE RANGE				MAX SPEED	LENGTH	WEIGHT WITHOUT BATTERY	
				MIN	MAX	MIN	MAX				
		Type	in.	Nm	Nm	ft.lb	ft.lb	rpm	mm	kg	lb
B-FLEX											
8920190001	EAB26-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190002	EAB26-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190003	EAB32-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190004	EAB32-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190005	EAB45-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190006	EAB45-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190007	EAB50-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190008	EAB50-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190009	EAB60-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	10	60	7.4	44	370	648	2.60	5.72
8920190010	EAB75-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	12	75	8.8	55	300	668	3.20	7.04
B-FLEX - ADVANCED											
8920190011	EABA26-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190012	EABA26-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190013	EABA32-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190014	EABA32-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190015	EABA45-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190016	EABA45-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190017	EABA50-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190018	EABA50-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190019	EABA60-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	10	60	7.4	44	370	648	2.60	5.72
8920190020	EABA75-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	12	75	8.8	55	300	668	3.20	7.04
EABCom											
8920190021	EABC26-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190022	EABC26-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	5	26	3.7	19	560	591	1.90	4.18
8920190023	EABC32-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190024	EABC32-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	32	5.2	24	410	591	1.90	4.18
8920190025	EABC45-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190026	EABC45-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	8	40	5.9	30	370	598	2.00	4.40
8920190027	EABC50-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190028	EABC50-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	9	50	6.6	37	450	638	2.30	5.06
8920190029	EABC60-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	10	60	7.4	44	370	648	2.60	5.72
8920190030	EABC75-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	12	75	8.8	55	300	668	3.20	7.04

Battery not included in standard offering

EPBcom and B-Flex Series

1.5 to 17 Nm (1.1 to 12.5 ft.lb) – 10 to 1800 rpm



PART NUMBER	MODEL	OUTPUT		TORQUE RANGE				MAX SPEED (RPM)		WEIGHT WITHOUT BATTERY	
				MIN	MAX	MIN	MAX				
		Type	in.	Nm	Nm	ft.lb	ft.lb	18V	36V	kg	lb
B-FLEX											
8920190031	EPB8-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190032	EPB14-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	4	14	3.9	10.3	540	940	1.25	2.75
8920190033	EPB17-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	7	17	5.2	12.5	400	700	1.25	2.75
8920190040	EPB8-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190041	EPB8-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190042	EPB14-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190043	EPB14-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190044	EPB17-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75
8920190045	EPB17-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75
B-FLEX - ADVANCED											
8920190034	EPBA8-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190035	EPBA14-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	4	14	3.9	10.3	540	940	1.25	2.75
8920190036	EPBA17-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	7	17	5.2	12.5	400	700	1.25	2.75
8920190046	EPBA8-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190047	EPBA8-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190048	EPBA14-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190049	EPBA14-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190050	EPBA17-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75
8920190051	EPBA17-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75
EPBCom											
8920190037	EPBC8-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190038	EPBC14-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	4	14	3.9	10.3	540	940	1.25	2.75
8920190039	EPBC17-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	7	17	5.2	12.5	400	700	1.25	2.75
8920190052	EPBC8-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190053	EPBC8-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	1.5	8	1.1	5.9	900	1800	1.25	2.75
8920190054	EPBC14-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190055	EPBC14-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	4	14	3.9	10.3	540	940	1.25	2.75
8920190056	EPBC17-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75
8920190057	EPBC17-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	17	5.2	12.5	400	700	1.25	2.75

Battery not included in standard offering

EABS Series

4 to 24 Nm (2.9 to 17.7 ft.lb) – 10 to 1100 rpm



PART NUMBER	MODEL	OUTPUT		TORQUE RANGE				MAX SPEED	LENGTH	WEIGHT WITHOUT BATTERY	
				MIN	MAX	MIN	MAX				
		Type	in.	Nm	Nm	ft.lb	ft.lb	rpm	mm	kg	lb
8920190058	EABS12-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	4	12	2.9	8.9	1100	297	1.25	2.75
8920190059	EABS12-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Quick Change	SQ 3/8	4	12	2.9	8.9	1100	297	1.25	2.75
8920190060	EABS17-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	5	17	3.7	12.5	800	297	1.25	2.75
8920190061	EABS17-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Quick Change	SQ 3/8	5	17	3.7	12.5	800	297	1.25	2.75
8920190062	EABS24-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	10	24	7.4	17.7	500	335	1.55	3.41
8920190063	EABS24-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Quick Change	SQ 3/8	10	24	7.4	17.7	500	335	1.55	3.41

Battery not included in standard offering

EAD Series

3 to 70 Nm (2.2 to 52 ft.lb) – 10 to 1300 rpm



PART NUMBER	MODEL	OUTPUT		TORQUE RANGE				MAX SPEED	LENGTH
				MIN	MAX	MIN	MAX		
		Type	in.	Nm	Nm	ft.lb	ft.lb	rpm	mm
8920190064	EAD20-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	3	20	2.2	15	1300	523
8920190065	EAD20-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	3	20	2.2	15	1300	523
8920190066	EAD32-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	5	32	3.7	24	900	523
8920190067	EAD32-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	5	32	3.7	24	900	523
8920190068	EAD50-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	7	45	5.2	33	1000	570
8920190069	EAD50-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	7	45	5.2	33	1000	570
8920190070	EAD70-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	14	70	10.3	52	690	578
8920190071	EAD70-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	14	70	10.3	52	690	578
8920190072	EAD80-INS-QCA-SQ1/2-SQ3/8-R-IH	Quick Change	SQ 3/8	14	70	10.3	52	690	598

ePULSE Series

6 to 45 Nm (4.4 to 33.2 ft.lb) – 10 to 3990 rpm

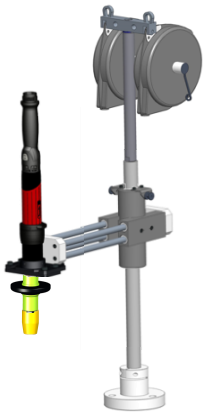


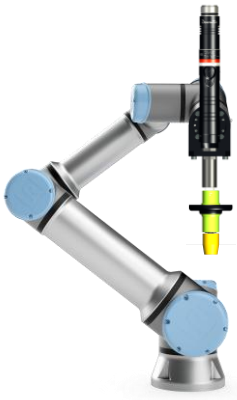
PART NUMBER	MODEL	OUTPUT		TORQUE RANGE				MAX SPEED (RPM)		WEIGHT WITHOUT BATTERY	
				MIN	MAX	MIN	MAX				
		Type	in.	Nm	Nm	ft.lb	ft.lb	18V	36V	kg	lb
8920190074	BLRTC025-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190076	BLRTC025-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190078	BLRTC025-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190080	BLRTA025-4Q-INS-QCA-HEX1/4-HEX1/4-R-IH	Quick Change	HEX 1/4 F	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190082	BLRTA025-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190084	BLRTA025-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	6	25	4.4	18.4	1520	2350	1.45	3.19
8920190085	BLRTC045-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	15	45	11.6	33.2	3990	3990	1.58	3.48
8920190086	BLRTC045-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	15	45	11.6	33.2	3990	3990	1.58	3.48
8920190087	BLRTA045-10S-INS-QCA-SQ3/8-SQ3/8-R-IH	Quick Change	SQ 3/8	15	45	11.6	33.2	3990	3990	1.58	3.48
8920190088	BLRTA045-10S-INS-EXT-SQ3/8-SQ3/8-R-IH-P	Pin Fix	SQ 3/8	15	45	11.6	33.2	3990	3990	1.58	3.48

Battery not included in standard offering

INSULATION OF **FIXTURED TOOLS**

A tool mounted on a fixture such as a torque arm or an automatic mover, generally requires just an insulating output module to offer the right level of protection.





In all other cases where a risk of fall with tilting is present, a fully insulated tool is strongly recommended.

CUSTOMIZATION FOR SPECIFIC USAGE

In many cases, we provide insulation for customized tightening solutions with the same level of protection as any other tool.

Contact your local Desoutter team to learn more.





NOTES

NOTES

More Than Productivity

English
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September 2026