



MECHONEER® Series

Premium Series Impact Wrench

MECHONEER® Drive System features a new patent pending impact mechanism, reducing vibration by up to 40% and noise up to 10%, and increasing life by 80% and unbeatable power to weight ratio.

TOOLS FEATURES



REDUCING
VIBRATION



REDUCING
NOISE



INCREASING
LIFE

A Hammer cage end plate retains the grease in the hammers & cage reducing wear

B Patented MECHONEER® pin-less/twin hammer clutch reduces wear and vibration

C Rotor spline connected to anvil eliminates misalignment and reduces wear and vibration

D Through-bolt motor assembly construction eliminates component misalignment reducing wear; and eliminates motor air leakage increasing performance

E Patented trigger mounted combined forward/reverse/power management switch provides convenient one hand operation

F Ergonomic handle design provides unmatched operator comfort

G Patented muffler reduces noise level of the tools



HOW IT WORKS

The patented MECHONEER® Drive System is a Hybrid twin hammer/pin-less mechanism that has fewer moving parts reducing vibration and wear. The clutch mechanism is sealed with a front end plate that retains grease within the mechanism reducing wear. The rear of the anvil is connected by a secondary spindle to

the rotor spline of the motor guaranteeing concentricity which reduces vibration and wear. The motor pack has a through-bolt that ensures concentricity and alignment of the rotor, end plates and cylinder — reducing wear and eliminating internal motor air leaks then can effect power.

HOW TO CHANGE THE TAB FROM RIGHT-HAND TO LEFT-HAND SIDE?



STEP 1

Push pin

STEP 2

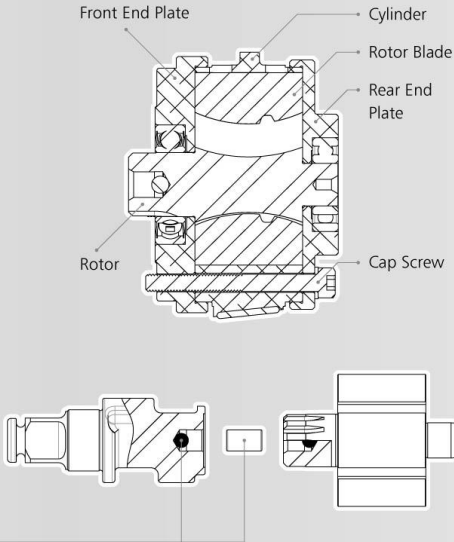
Pull tab and insert to the other side



Patented trigger mounted combined forward/reverse/power management switch provides convenient one hand operation

MOTOR DESIGN

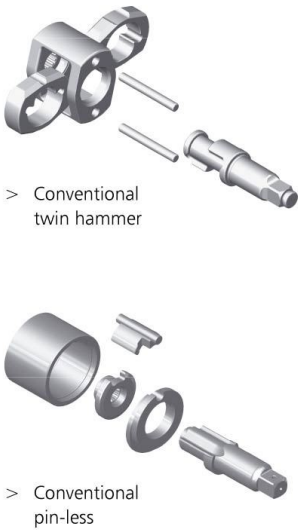
The air motor is a sub assembly is held together with a cap screw, ensuring no misalignment of the end plates — reducing end plate wear, while ensuring no loss of motor power due to air leakage.



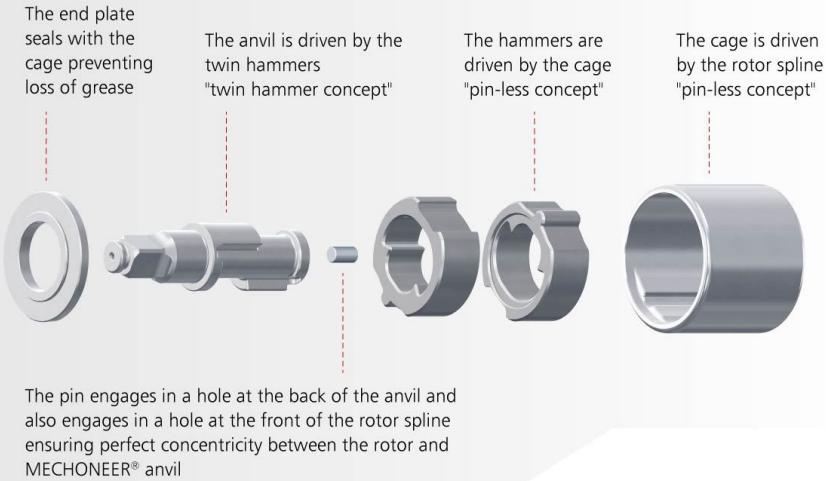
The steel ball reduces wear. The pin engages in a hole at the back of the anvil and also engages in a hole at the front of the rotor spline ensuring perfect concentricity between the rotor and MECHONEER® anvil.

SUMMARY
MECHONEER® BENEFITS

With no pins passing through the hammer cage, the cage is strengthened providing pin-less reliability with twin hammer blow frequency. The pin-less action, removal of pins and the concentricity with the rotor reduces vibration and further increases reliability. Sealing the mechanism with an end plate eliminates the characteristic of all twin hammer, rocking dog, pin-less hammer, jumbo hammer mechanisms; where the centrifugal force throws the grease to the inside of the hammer case, causing premature hammer and anvil wear.



DRIVE SYSTEM



Model	SQ Drive	No Free Speed	Busting Torque Reverse		Net Weight		Overall Length		Noise (no load)	Average Air Cons. @ Load		Air Inlet NPTF	Hose Size	
	inch	rpm	ft-lb	Nm	lb	kg	inch	mm	dBA	cfm	L/min	inch	inch	mm
TPT-2824	1"	4,300	2,300	3,120	14.9	6.8	9.6	244	103	10.6	300	1/2	1/2	13
TPT-2824-L	1"	4,300	2,300	3,120	16.9	7.7	15.0	380	103	10.6	300	1/2	1/2	13
TPT-2825	1"	6,000	2,500	3,390	18.7	8.5	13.4	340	108	12.0	340	1/2	1/2	13
TPT-2825-L	1"	6,000	2,500	3,390	20.9	9.5	20.7	507	108	12.0	340	1/2	1/2	13

MECHONEER® Series



TPT-2437
1/2" Impact Wrench



TPT-2224
1/2" Stubby Impact Wrench

Patented Trigger Design



STEP 1

Push pin

STEP 2

Pull tab and insert
to the other side



TPT-2627
3/4" Impact wrench

TPT-2627-L
with 6" long anvil

Model	SQ Drive	No Free Speed	Busting Torque Reverse		Net Weight		Overall Length		Noise (no load)	Average Air Cons. @ Load		Air Inlet NPTF	Hose Size	
	inch	rpm	ft-lb	Nm	lb	kg	inch	mm	dBA	cfm	L/min	inch	inch	mm
TPT-2224	1/2"	9,500	884	1,200	2.9	1.3	4.3	108.0	87	4.2	118	1/4	3/8	10
TPT-2437	1/2"	7,500	1,363	1,850	4.4	2.0	6.4	162.0	88.2	5.7	161	1/4	3/8	10
TPT-2627	3/4"	5,500	1,916	2,600	7.7	3.5	7.4	187.0	88.4	7.8	221	3/8	3/8	10
TPT-2627-L	3/4"	5,500	1,916	2,600	8.8	4.0	12.4	314.0	88.4	7.8	221	3/8	3/8	10

PROFESSIONAL POWER TOOLS

For over 30 years, Tranmax has devoted itself to manufacturing and providing high quality products and service for professional applications. Our diverse and innovative product range has successfully fulfilled customers' needs and persistently meets market trends and demands. To learn more about Tranmax products, please visit www.tranmax.com



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