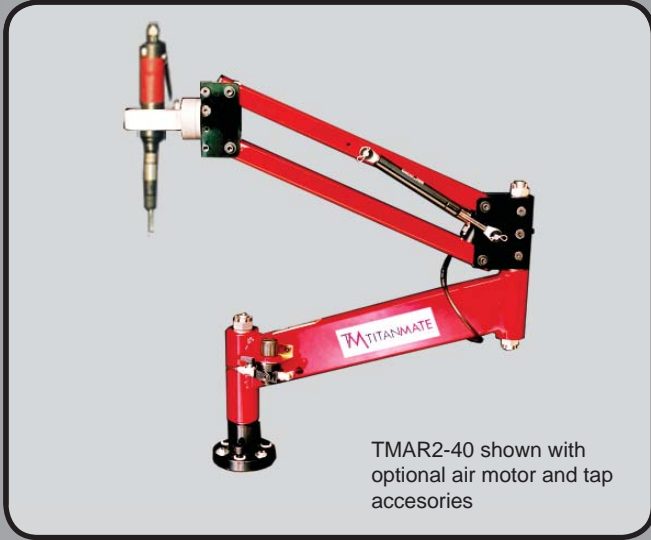


TITANMATE® ARTICULATING SERIES

TMAR2 SERIES



TMAR2-40 shown with optional air motor and tap accessories

TMAR4 SERIES



TMAR4-56 shown with optional air motor and Titan stud driver

TITANMATE® ARTICULATING SERIES torque arms are rugged tool support arms ergonomically designed to provide fingertip control for the most demanding applications. The sturdy tubular steel swing arm is connected to the base by means of a **hardened and ground shaft**. Both the main shaft and the center shaft utilize **high quality roller bearings** to minimize friction while maximizing precision and reliability. The twin parallel arms are made of steel tubing which effectively neutralizes vibration and torque reaction. The **hybrid lift system** combines the best attributes of a sealed high pressure gas spring with the flexibility of an adjustable pneumatic cylinder.

Standard features include:

- Multi position or rigid tool holder
- Adjustable air/gas lift assist package
- Hardened and ground steel shafts
- Precision bearings
- Base mount with leveling screws
- Welded steel swing arm

Optional features include:

- Custom motor mounts
- Power tools
- Quick release chucks and collets
- Tap holders
- Keyless chucks
- Stud drivers
- Work carts
- Floor pedestals

- Ergonomic: protects workers from injuries such as tendonitis and carpal tunnel syndrome.
- Efficient: maximizes production by minimizing scrap caused by worker fatigue.
- Versatile: one unit can tap, drill, fasten, lift, grind, polish, and so much more.
- Mobile: can be easily moved from one work station to the next.
- Economical: will pay for itself many times over its life span
- Durable: designed and manufactured to the highest industrial standards

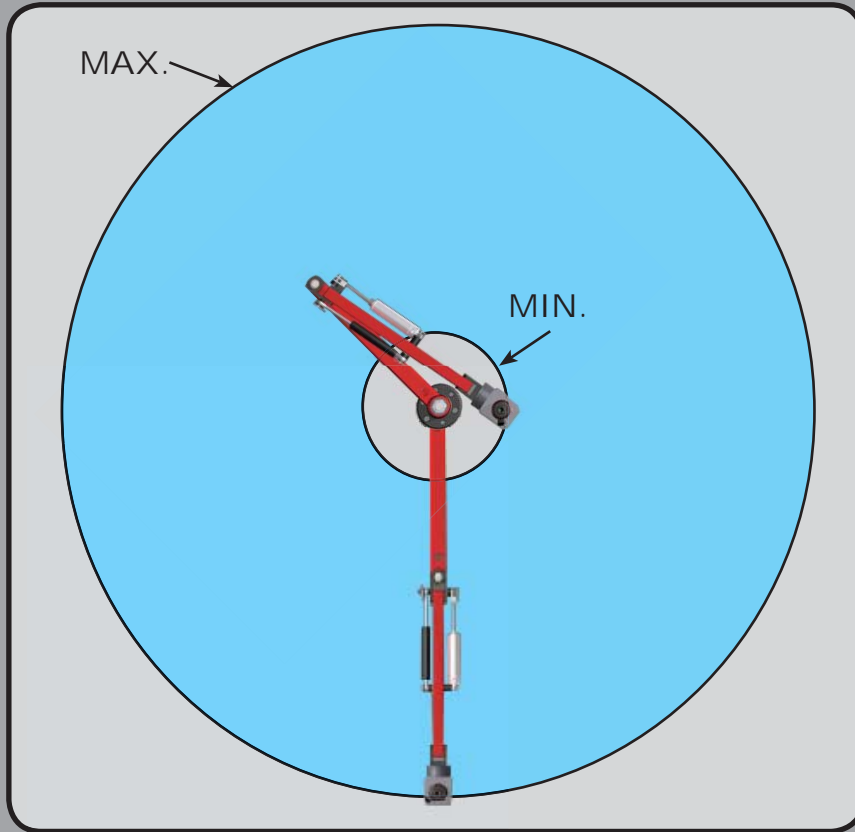
TITAN TOOL COMPANY provides custom solutions for most any application. If your needs fall outside the standard product line, please contact Titan Tool Company for assistance with special applications. Our services are *prompt and free of charge*.

TITAN® Quality Assembly Tools Since 1920

TITANMATE[®] ARTICULATING SERIES

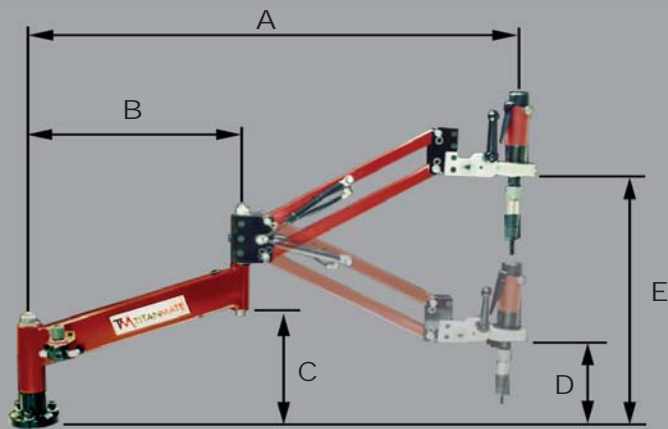
WORK ENVELOPE

TITAN[®] Quality Assembly Tools Since 1920



MODEL	MAX.	MIN.
TMAR2-40	40" (1016mm)	5" (127mm)
TMAR2-46	46" (1168mm)	10" (254mm)
TMAR2-52	52" (1320mm)	15" (381mm)
TMAR4-56	56" (1422mm)	14" (356mm)
TMAR4-62	62" (1575mm)	19" (483mm)
TMAR4-68	68" (1727mm)	24" (609mm)

NOTE: Maximum and Minimum values can vary with custom motor mounts.



Dimensional data for standard configurations. Dimensions may vary with optional packages.

Payloads and torque values shown are standard. **Payload capacity can be adjusted with optional lift packages.** The TMAR2-40 series has a maximum payload of 15lbs. The TMAR4-56 series has a maximum payload of 110lbs. Optional packages can be added for **torque up to 800 ft/lbs (TMAR4 SERIES ONLY)**. For all other models, please contact Titan Tool Company with desired payload and torque specifications.

MODEL	A	B	C	D	E	PAYLOAD	TORQUE CAPACITY
TMAR2-40	40" (1016mm)	16.5" (419mm)	10" (254mm)	8" (203mm)	25" (635mm)	10lbs. (4.5Kg)	35 ft/lbs. (47 Nm)
TMAR2-46	46" (1168mm)	16.5" (419mm)	10" (254mm)	6" (152mm)	28" (711mm)	10lbs. (4.5Kg)	35 ft/lbs. (47 Nm)
TMAR2-52	52" (1320mm)	16.5" (419mm)	10" (254mm)	3" (76mm)	32" (813mm)	10lbs. (4.5Kg)	35 ft/lbs. (47 Nm)
TMAR4-56	56" (1422mm)	21.5" (546mm)	10" (254mm)	6" (152mm)	30" (762mm)	20lbs. (9.1Kg)	100 ft/lbs. (136 Nm)
TMAR4-62	62" (1575mm)	21.5" (546mm)	10" (254mm)	3" (76mm)	33" (838mm)	20lbs. (9.1Kg)	100 ft/lbs. (136 Nm)
TMAR4-68	68" (1727mm)	21.5" (546mm)	10" (254mm)	0" (0mm)	37" (940mm)	20lbs. (9.1Kg)	100 ft/lbs. (136 Nm)