

▼ From left to right: **FA4TM**, **FA9TE**, **FA1TM** (FA9TE shown without pump and hose)



- Enerpac FA-Series tools rectify twist and rotational misalignment quickly, safely and without the need for an external power source
- Appropriate for use on most ANSI, API, BS and DIN flanges
- Reduces set-up time: no need for chains, pulleys or rigs
- Safety strap helps provide secure operation
- Can be installed and used in any position
- Stays stable in position under full load
- Portable, lightweight design enables easy transport and use, even in remote locations
- The FA9TESTD comes with a HP350S hand pump, hose and a pressure gauge as standard
- Each FA-model contains a tool and kit box.

The faster, simpler and safer way to align flanges



Adjustable Reach

The highly adjustable reach of the wing and drop leg on FA4TM and FA9TE allow precise alignment.



TFA-Series Wind Turbine Tower Flange Alignment Tools

The TFA Wind Turbine Tower Flange Alignment Tools have been developed to aid the alignment of large flanges on the inside of wind turbine towers during their assembly or installation.

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▼ The compact FA1TM is actuated by simply hand turning the crank.



▼ **FA9TESTD**



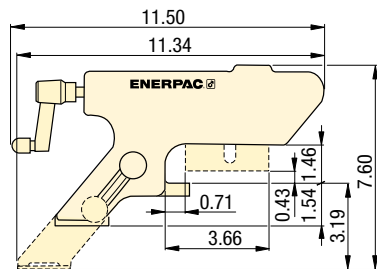
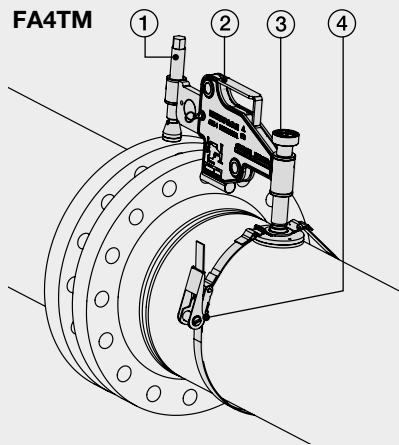


Applications

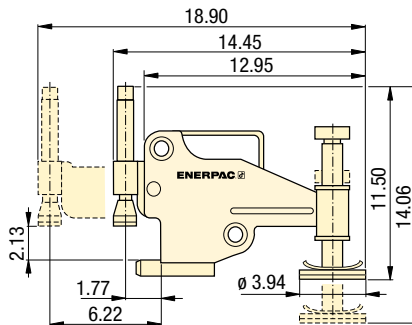
Enerpac FA-Series Tools help correct flange misalignment, and allow bolts to be placed into joints. This alignment takes place during pipework construction, or maintenance.

These tools provide pipe installers and maintenance personnel with some of the simplest, safest and most productive solutions available for flange alignment in the market today.

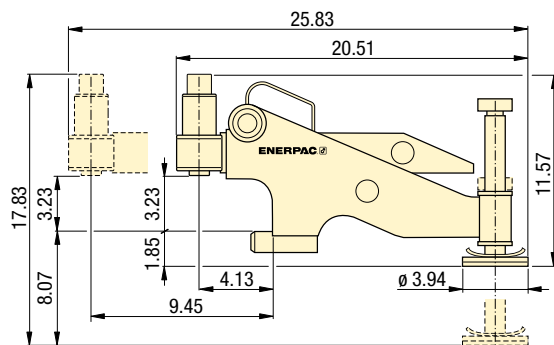
- ① Extendable wing provides usage on wide variety of flanges.
- ② Portable, lightweight design enables easy transport and use.
- ③ Hand-adjustable base for easy positioning by a single operator.
- ④ Safety strap helps provide secure operation from a horizontal or vertical position.



FA1TM



FA4TM



FA9TE

Maximum Lifting Force		Model Number	Minimum Bolt Size		Flange Wall Thickness		
(tons)	(kN)		(inch)	(mm)	(inch)	(mm)	
1	10	FA1TMSTD	.63	16	.55 - 3.29	14 - 82	3.5
4	40	FA4TMSTD	.95	24	1.18 - 5.23	30 - 133	19.0
10	90	FA9TESTD	1.40	35,5	3.66 - 9.00	93 - 228	32.0

FA Series



Minimum Bolt Size:

0.63 - 1.40 inches

Flange Wall Thickness:

0.55 - 9.00 inches

Maximum Lifting Force:

1 - 10 tons



Cylinder-Pump Sets

Hydraulic cylinders, jacks and lifting wedges can also be used to assist in pipeline positioning and aligning.

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Pipe Flange Face Tool

The portable, hand powered tool **FF120** makes even the hardest to reach pipe flanges resurfaceable in a safe and convenient way.

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▼ The FA-Series – the faster, simpler and safer way to align flanges.

