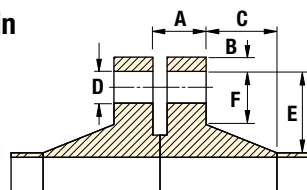


▼ TFA15TI



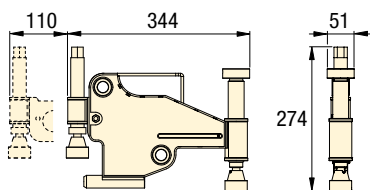
The TFA Wind Turbine Tower Flange Alignment Tools have been developed to aid the alignment of large flanges on the inside of wind turbine towers during their assembly or installation.

- Assists in aligning / de-ovalizing large internal pipe flanges
- Helps resolve bolt-hole misalignment within tower sections of wind turbine towers
- Can be used both on and offshore.

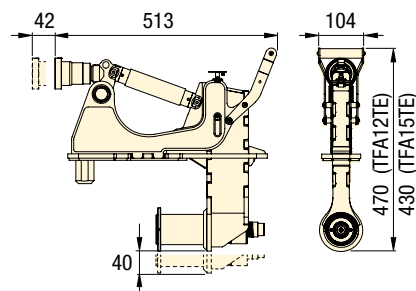


Flange Dimensions

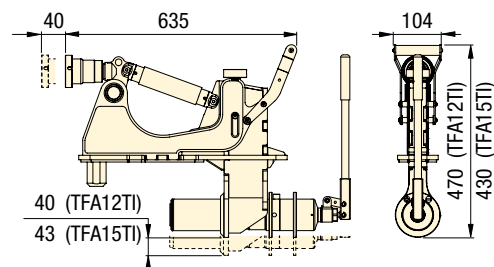
TFA4TM



TFA12TE
TFA15TE



TFA12TI
TFA15TI



¹⁾ External Hand Pump not included. To be ordered separately, see page 339.

Model Number Tool Kit	Type *	Maximum Hook Force Per Tool (kN)	Maximum Aligning Distance (mm)	Maximum Operating Pressure (bar)	Flange Dimensions (mm)						Tool Weight (kg)	Kit Weight (kg)	Box/Case Dimensions (mm)	Tool Number
					A	B	C	D min	E	F min				
TFA4TMSTD	M	40	42	-	36-135	0-55	0-231	25	0-105	24	8,1	18,0	600x370x200	TFA4TM
TFA12TEMIN	H ¹⁾	240	65	510	129-178	110-241	0-167	45	87-125	62	19,3	28,4	640x540x165	TFA12TE
TFA15TEMIN	H ¹⁾	270	65	700	89-138	110-241	0-167	45	87-125	62	18,9	28,0	640x540x165	TFA15TE
TFA12TISTD	H	240	65	**	129-178	113-241	0-167	45	87-125	62	21,9	31,0	585x900x160	TFA12TI
TFA15TISTD	H	270	65	**	89-138	113-241	0-167	45	87-125	62	21,5	30,6	585x900x160	TFA15TI

* M = Mechanical; H = Hydraulic. ** Integral Hydraulic.

¹⁾ External Hand Pump not included. To be ordered separately, see page 339.

TFA Series

WIND TURBINE TOWER FLANGE ALIGNMENT TOOLS

Hook Force:

40 - 270 kN

Aligning Distance:

42 - 65 mm

TFA4TM Mechanical Tool Kit



- 1 x TFA4TM Tool
- 1 x Torque Wrench
- 1 x Moulded Plastic Carry Case

TFA12TE / TFA15TE External Hydraulic Tool Kit ¹⁾



- 1 x TFA12TE or TFA15TE Tool
- 1 x Safety Lanyard
- 1 x Aluminium Carry Case with Protective Foam Inserts

TFA12TI / TFA15TI Integral Hydraulic Tool Kit



- 1 x TFA12TI or TFA15TI Tool
- 1 x Aluminium Carry Case with Protective Foam Inserts