

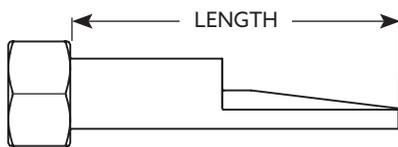
## Flange Aligning Tool



- » Effective solution for tough flange alignment jobs
- » Tapered shaft eliminates the need for hammering or prying
- » Made of alloy steel and surface coated for rust protection
- » Sold individually and in sets

Find a bolt hole aligned enough for the tapered shaft to fit through and turn

If necessary, use a second tool and turn until the bolt holes are in alignment and insert flange bolts



### Specifications

Part No.	Bolt Hole Size	Length	Weight
FT00	3/8"	2-1/8"	3/4 ozs.
FT0	1/2"	2-3/8"	2-3/8 ozs.
FT01	5/8"	2-3/4"	4 ozs.
FT02	3/4"	3-1/4"	7 ozs.
FT03	7/8"	3-1/2"	10 ozs.
FT04	1"	4"	15 ozs.
FT06	1-1/8"	5"	1-1/2 lbs.
FT08	1-1/4"	5-1/2"	2 lbs.
FT1012	1-3/8"	6-1/4"	2-7/8 lbs.
FT14	1-1/2"	6-1/2"	3-1/4 lbs.
FT16	1-5/8"	7-1/4"	4-1/8 lbs.
FT1820	1-3/4"	7-7/8"	4-3/4 lbs.
FT22	1-7/8"	8-3/8"	5-7/8 lbs.
FT2426	2"	9"	6-5/8 lbs.
FT30	2-1/8"	12"	10-3/4 lbs.
FT34	2-3/8"	13-1/4"	13-1/2 lbs.
FT3642	2-5/8"	14"	17 lbs.
FT48	2-7/8"	13-5/8"	24-3/8 lbs.
FT5054	3-1/8"	18"	35-3/4 lbs.
FT60	3-5/8"	20"	55-1/4 lbs.

#### Sets

Part No.	Description	Weight
FTS24	Set of 6, 2 ea. of FT02, FT03, FT04	8-1/8 lbs.
FTS26	Set of 8, 2 ea. of FT02, FT03, FT04, FT06	11 lbs.
FTS28	Set of 10, 2 ea. of FT02, FT03, FT04, FT06, FT08	15 lbs.
FTS212	Set of 12, 2 ea. of FT02, FT03, FT04, FT06, FT08, FT1012	20-1/2 lbs.
FTS1426	Set of 8, 2 ea. of FT14, FT16, FT1820, FT2426	47 lbs.

### Specifications

#### Extra Long

Part No.	Bolt Hole Size	Length	Weight
FT0L	1/2"	5-3/8"	5 ozs.
FT01L	5/8"	5-3/4"	8 ozs.
FT02L	3/4"	6-1/4"	14 ozs.
FT03L	7/8"	6-1/2"	1-1/8 lbs.
FT04L	1"	7"	1-1/2 lb.
FT06L	1-1/8"	8"	2-1/4 lbs.
FT08L	1-1/4"	8-1/2"	3 lbs.
FT1012L	1-3/8"	9-1/4"	4 lbs.
FT14L	1-1/2"	9-1/2"	4-5/8 lbs.
FT16L	1-5/8"	10-1/4"	5-3/4 lbs.
FT1820L	1-3/4"	10-7/8"	6-5/8 lbs.
FT22L	1-7/8"	11-3/8"	8-1/8 lbs.
FT2426L	2"	12"	9-1/4 lbs.
FT30L	2-1/8"	15"	13-1/2 lbs.
FT34L	2-3/8"	16-1/4"	17-1/4 lbs.
FT3642L	2-5/8"	17"	21 lbs.

#### Extra Long Sets

Part No.	Description	Weight
FTS24L	Set of 6, 2 ea. of FT02L, FT03L, FT04L	12-3/4 lbs.
FTS26L	Set of 8, 2 ea. of FT02L, FT03L, FT04L, FT06L	17-1/4 lbs.
FTS28L	Set of 10, 2 ea. of FT02L, FT03L, FT04L, FT06L, FT08L	20-1/8 lbs.
FTS212L	Set of 12, 2 ea. of FT02L, FT03L, FT04L, FT06L, FT08L, FT1012L	31 lbs.

**NOTE: Special lengths available upon request.**

To determine appropriate tool for job requirement, see the Flange Aligning Tool Selection Guide available on product page of website.

## Flange Lifter

Patent #8,434,800 and 8,434,801



FLA112 and FLA212  
for blind flanges



FLA1000, FLA5000 and  
FLA14000 for blind or  
weld neck flanges

- » Safe & easy installation and removal of blind and weld neck flanges without the need for a lifting eye
- » Designed to comply with ASME Specifications B30.20 and BTH-1, Design Category B, Service Class 4
- » Serialized and stamped with Load Rating
- » Supplied with Data Book containing operating instructions, warnings, load test certificates and MPI certificate

### Specifications

Part No.	Fits Bolt Size	Fits Flange Thickness	Weight	Rated Load
FLA112	3/4" - 1-1/2"	1/2" - 3-3/4"	20 lbs.	1,000 lbs.
FLA212	1-1/2" - 2-1/2"	1/2" - 7"	37-1/4 lbs.	2,000 lbs.
FLA1000	3/4" - 2-1/4"	1" - 6-3/16"	20-3/8 lbs.	1,000 lbs.
FLA5000	3/4" - 4"	1" - 11-1/16"	52-7/8 lbs.	5,000 lbs.
FLA14000	3/4" - 4"	1" - 11-1/16"	60 lbs.	14,000 lbs.

To determine appropriate tool for job requirement, see the Flange Lifter Selection Guide available on product page of website.

- !** WARNING! A falling load may cause SERIOUS INJURY or DEATH! **!**  
Do Not Exceed Rated Load! Read Operating Instructions prior to operation.  
Before using, inspect the lifter daily to ensure it is in proper operating condition.  
Follow OSHA, NSC, etc. standards, safe practices and procedures.

## Flange Lifting Shackle

Patent #10,703,611



No lifting eye  
required

- » Designed to securely attach to flanges when installing and removing blind and weld neck flanges
- » Automatically adjusts to bolt hole spacing
- » Complies with ASME Specifications B30.20 and BTH-1, Design Category B, Service Class 4
- » Stamped with Load Rating and serial number
- » Supplied Data Book contains operating instructions, warnings, load test certificates and MPI certificate

### Specifications

Part No.	Fits Bolt Size	Fits Flange Thickness	Weight	Rated Load
FLS3	5/8" min.	up to 3"	18-1/2 lbs.	2,000 lbs.
FLS6	7/8" min.	up to 6"	32 lbs.	5,000 lbs.
FLS11	1-1/8" min.	up to 11"	49-5/8 lbs.	14,000 lbs.

To determine appropriate tool for job requirement, see the Flange Lifting Shackle Selection Guide available on product page of website.

- !** WARNING! A falling load may cause SERIOUS INJURY or DEATH! **!**  
Do Not Exceed Rated Load! Read Operating Instructions prior to operation.  
Before using, inspect the lifting shackle daily to ensure it is in proper operating condition.  
Follow OSHA, NSC, etc. standards, safe practices and procedures.

## POP-IT™

### Flange Spreader & Prying Tool



- » Versatile and easy to use
- » Replaces using hammers, wedges and prybars when working with flanges
- » Precision adjustment and holds setting without drifting
- » Used in a wide range of industries as well as emergency rescue

#### Specifications

Part No.	Minimum Spread	Maximum Spread	Capacity	Weight
P95-525	1/16"	5-1/4"	10,000 lbs.	11 lbs.
PHD0535	1/2"	5-1/2"	30,000 lbs.	33 lbs.
	3"	8-1/2"	20,000 lbs.	33 lbs.

#### Chock for P95-525/PHD0535

Part No.	Weight
PCH1	6 ozs.



WARNING! Improper use of POP-IT tools may result in INJURY or DEATH! Do Not Exceed Rated Load. Always chock your work. Never use "cheaters." Follow operating procedures. Always follow OSHA guidelines for Process Safety Management.



Always Chock Your Work!

## Flange Spreader



Most efficient flange separation is achieved using spreaders in pairs

- » Separates pipe flanges and ring-type-joint flanges
- » Safe and easy to use
- » Suitable for use in a wide range of industries

#### Specifications

Part No.	Inside Frame Width	Flange Pin Diameter*	Weight
N14	2-3/4"	5/8"	8 lbs.
N48	3-3/4"	3/4"	9 lbs.
N812	4-7/8"	7/8"	10 lbs.
N1216	6-1/8"	1"	15 lbs.
N1620	7-1/2"	1-1/8"	18 lbs.
N2024	9-1/8"	1-1/4"	20 lbs.

\*Special smaller flange pins may be required for some flange sizes. Call factory for assistance.

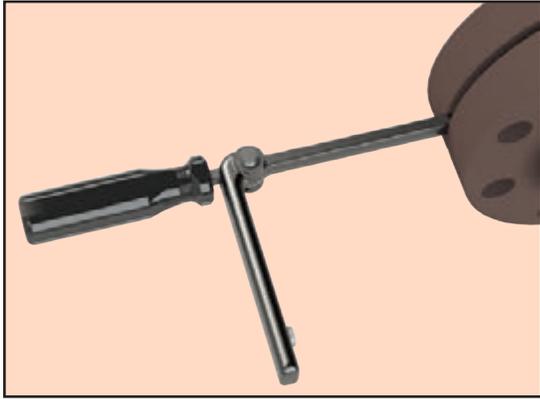
To determine appropriate tool for job requirement, see the Flange Spreader Selection Guide available on product page of website.



WARNING! Improper use of flange spreaders may result in INJURY or DEATH! Always follow OSHA guidelines or Process Safety Management.



## TITAN™ Flange Key



- » Heat-treated steel blade with 3/32" end point
- » Easily driven between two flanges to separate
- » Hinged handle lever will not exceed 90° when opened
- » Magnet holds tool closed when in pocket or tool box

### Specifications

Part No.	Length	Weight
FK100	11"	1-1/4 lbs.

**!** WARNING! Protect yourself and others from SERIOUS INJURY!  
 Never use a "cheater" or other means to extend handle!  
 If wrench slips you can be hurt or injure other workers!  
 Always follow OSHA guidelines for Process Safety Management. **!**

## Flange Spray Deflector



- » Minimizes spray when breaking flange sets
- » Deflects spray in a known direction
- » Helps protect from chemical exposure and burns
- » Suitable applications include first line breaks, low point breaks, hot bolting, blinding, draining deflection and/or guiding

### Specifications

Part No.	Strap Width	Fits Flange O.D. Up to	Weight
FD1	2"	22"	2 lbs.
FD2	2"	45"	2-3/4 lbs.

**!** WARNING! Improper use of flange spray deflectors may result in INJURY OR DEATH! Read Operating Instructions prior to operation. This device IS NOT intended to replace any personal protective equipment (PPE). Before using, inspect the strap for cuts, tears, burns or damage and replace or return any damaged tool. DO NOT use to seal or contain any pressure. DO NOT use for lifting or support of any load. DO NOT use to hold flanges in alignment. DO NOT use to support an unbolted line, blind, valve or fitting. DO NOT use on surfaces that exceed 275° F. Always follow OSHA guidelines for Process Safety Management. **!**