



TITAN TECHNOLOGIES  
INTERNATIONAL INC.

SUPERIOR TECHNOLOGY.  
SUPERIOR SOLUTIONS.

# ***POWER SPREADER***

# FLANGE SPREADERS



SEE DETAIL TEETH

.750

.062

.062

.062

RAISED 7/8" CENTER VERTICALLY  
AND HORIZONTAL

14 TEETH

.125

.030

.042

DETAIL SCALE

.875

Ø .515

STRAIGHTENED BREAK ALL SHARP EDGES TO .005" RADIUS

FIGURE 1 OF 1

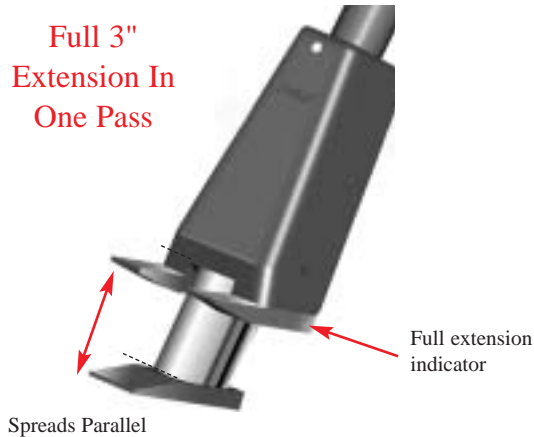


**TITAN TECHNOLOGIES**  
INTERNATIONAL, INC.  
SUPERIOR TECHNOLOGY - SUPERIOR SOLUTIONS

# POWER-SPREADER™

## Flange Spreader

**Open Any Size Flange With Controlled Force!**



**Hydraulic or Manual  
“One Size Fits All”**



All flange spreaders are conveniently packed in a custom tool box.

Specification	Imperial	Metric
Weight	HS10K 12 lbs. MS10K 13.5 lbs.	5.4 kg 6.1 kg
Length	HS10K 14" MS10K 13.25"	35.6 cm 33.6 cm
Width of Feet	4.5"	114 mm
Width of Body	4.5"	114 mm
Tips Closed	0.09"	2.3 mm
Tips Open	3"	76.2 mm
Tip Penetration	1.5"	38.1 mm
Rated Force	10,000 lbs.	4,535 kg

## TITAN® Power Units - For Best Speed And Performance.



Model	Requirement	Max. Pressure (psi)	Oil Delivery	Valve	Reservoir Capacity (CI)	Dimensions (IN.)	Accessories
<b>*100H2 Manual Single Speed</b>	Hand Powered	10,000	.16 (cu.in./stroke)	Controlled Load Holding & Lowering	55	28.0 length 4.75 width 6 ht. 22 lbs.	Includes a pair of 12 ft. hydraulic hoses, tee block & load lowering valve
<b>*150H2 or 150F2 Manual Two Speed</b>	Hand Powered or Foot Powered	10,000	.65 @ 1400 psi .16 @ 10000 psi (cu.in./stroke)	Controlled Load Holding & Lowering	152	28.0 length 4.75 width 8 ht. 32.0 lbs.	Includes a pair of 12 ft. hydraulic hoses, tee block & load lowering valve

Optional Air or Electric Driven Power Units Available Upon Request.

\*Includes hoses & accessories to operate 2 Power-Spreaders™ simultaneously. Additional accessories available separately.

**MS10K:** Place the Manual Power-Spreader™ tips between the flange faces and turn the ratchet handle. The ratcheting action is transformed into 10,000 lbs. of spreading force and up to 3" of gap.



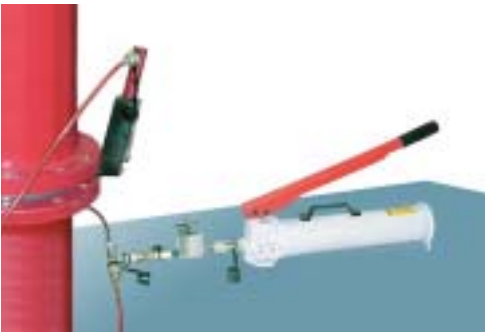
*MS10K Mechanical Model*

**HS10K:** With the Hydraulic Power-Spreader™, a hydraulic cylinder replaces the ratchet handle. Power 1 or multiple Power-Spreaders™ easily using a standard hand pump. A pair of Power - Spreaders™ supply 20,000 lbs. of spreading force and 3" of travel; ample for gasket replacement or turning of blinds. Use a TITAN® power unit for best speed and performance.



*HS10K Hydraulic Model*

- **Universal:** One Size Fits All
- **Safe:** No Loose Wedges or Parts
  - Jaws Open Parallel
  - No Drift - It Stays Put!
  - Can Be Remotely Operated
- **Light Weight:** Just 12 lbs
- **One Person Operation**
- **3" Travel In A Single Pass**
- **Uses:** Gasket Maintenance
  - Turning Blinds
  - Separate Manways
  - Opening Vessels
  - Bearing Removal
  - Impeller Removal
  - Lifting
  - Leveling
  - Aligning
- **Industries:**
  - Pipeline Construction
  - Piping Maintenance
  - Power Generation Plants
  - Drill Rigs
  - Petro/Chem Facilities
  - Subsea - Diver/ROV Friendly
  - Offshore Platforms
  - Ship Yards
  - Industrial Facilities
  - Storage Facilities
  - Mining
  - Manufacturing
  - Agriculture



*A 100H2 Hand Pump Operating a Pair Of HS10K's.*

HS10K Hydraulic Flange Spreaders May Be Used In Multiple Units Connected To a Common Hand Pump. A Load Lowering Value As Shown Controls The Rate Of Travel. The Optional Isolation Valves Enable The Operator To Control Each Power-Spreader Independently.



*HS10K with HSCV Isolation Valve.*



*MS10K, Easy - One Man Operation.*

100 ft-lbs of force on the MS10K's 18" Ratchet Handle Provides 10,000# Of Spreading, Lifting and Leveling Force.



*Load Lowering Valve #CV9596 and Tee For Operating Multiple HS10K's.*



*MS10K Leveling a Machine Tool*



*The Power-Spreader gives the operator up to 3" of travel in one operation!*



*Hydraulic or Manual, TITAN Technologies Has The Spreader Thats Right For You.*