



Perma Tech, Inc.

"Your Single Source for ALL Your Loading Dock Needs"

PermaDOCK- MD

I-Beam Mechanical Leveler Specifications

CAPACITY	40,000 LBS.
DECK BEAMS	6 @ 9 lbs. per ft. wide flange structural steel I-beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	3/8" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
REAR SUPPORT	3/4" x 5" Structural steel flat bar with six 1" hinge supports and three 3" structural steel channels to bottom of frame.
REAR HINGE FALL SAFE RESTRAINT POINTS	Six supports on 6' & 6'6" wide docks. Eight supports on 7' wide docks.
PIT	Standard pit dimensions
PRACTICAL WORKING RANGE	Above and below range is 1" per foot of nominal length.
LIFTING MECHANISM	Expansion springs under tension (Total springs change with capacities). Lifting arm and lifting cam.
LIP EXTENSION	Spring assisted.
LIP LATCH	Positive locking arm when lip extended.
RAMP CONTROL (HOLD DOWN)	Ratchet lock. Complete with spring activated float.

Contact us today to learn more:

TF: (800) 362-7325 | P: (716) 854-0707

sales@permatechinc.com | www.permatechinc.com





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CAPACITY	45,000 LBS.
DECK BEAMS	6 @ 9 lbs. per ft. wide flange structural steel I-beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
LIP LENGTH (STD.)	16" (Gives 10" projection beyond normally mounted 4" bumper.)
LIP	5/8" Thick steel checker plate (minimum yield 50,000 PSI.)
FRAME	Structural steel angle with rear reinforcing gussets. Reinforced lift cylinder pivot points.
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CAPACITY	50,000 LBS.
DECK BEAMS	6 @ 12 lbs. per ft. wide flange structural steel I-beams. (six on 6' & 6-1/2'w & eight on 7'w) Two 3/16" wedge plate; 12" to 7".
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate.
FRONT PLATE	1/2" x 6" Hrs
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube; minimum yield 75,000 PSI and tensile strength of 85,000 PSI.
LIP HINGE ROD	1-1/8" dia. Steel rod (Minimum yield 44,000 PSI material.)
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