

TECHNICAL INFORMATION SHEET

I-BEAM MECHANICAL DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 40,000 lb.			
DECK BEAMS	6" @ 9 lb. per ft. wide flange structural steel I-beams; 4" structural steel channel centre beams (x2)	6' Wide	6'-6" Wide	7' Wide
		4	6	6
	Two 12 gauge wedge plate; 12" to 7"			
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
HEADBOARD	3/8" x 6-1/2" hrs			
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube Minimum yield 88,450 PSI and tensile strength of 98,600 PSI			
LIP HINGE ROD	1-1/8" dia. steel rod (minimum yield 80,100 PSI and tensile strength of 84,900)			
LIP LENGTH (STD.)	16" (gives 10" projection beyond normally mounted 4" bumper)			
LIP	5/8" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
FRAME, REAR SUPPORT, REAR HINGE FALL SAFE RESTRAINT POINTS (SUPPORTS)	Structural steel angle with rear reinforcing gussets 3/4" x 5" structural steel flat bar with six 1" hinge supports and four 3" structural steel channels to bottom of frame			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
LIFTING MECHANISM	Extension springs under tension			
LIP EXTENSION	Spring assisted			
LIP LATCH	Locking arm when lip extended			
RAMP CONTROL	Deep tooth ratchet holddown, complete with spring activated float			
MAINTENANCE STRUT	Hinged on frame with lip support			

Refer to the **Dock Leveler Performance Rating Chart** to select the appropriate dock leveler based on the lift truck gross load weight and daily truck traffic. For more details, contact a Metro Dock representative.

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I-BEAM MECHANICAL DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 50,000 lb.			
DECK BEAMS	6" @ 9 lb. per ft. wide flange structural steel I-beams; 4" structural steel channel centre beams (x2)	6' Wide	6'-6" Wide	7' Wide
		4	6	6
	Two 12 gauge wedge plate; 12" to 7"			
DECK PLATE	1/4" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
HEADBOARD	1/2" x 6-1/2" hrs			
LIP HINGE	2-1/4" OD x 1-1/4" ID seamless steel tube c/w reinforcing gussets Minimum yield 88,450 PSI and tensile strength of 98,600 PSI			
LIP HINGE ROD	1-1/8" dia. steel rod (minimum yield 80,100 PSI and tensile strength of 84,900)			
LIP LENGTH (STD.)	16" (gives 10" projection beyond normally mounted 4" bumper)			
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