

TECHNICAL INFORMATION SHEET

HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 30,000 lb.			
DECK BEAMS	Formed 12 gauge hi-tensile “A” beams	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	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" OD x 1-1/4" ID seamless steel tube Minimum yield 84,390 PSI and tensile strength of 96,425 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	1/2" 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			
	1/2" x 4" structural steel flat bar with six 3/4" hinge supports and three 3" structural steel channels to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	One 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
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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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 35,000 lb.			
DECK BEAMS	Formed 12 gauge hi-tensile “A” beams	6' Wide	6'-6" Wide	7' Wide
		8	10	10
	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" OD x 1-1/4" ID seamless steel tube Minimum yield 84,390 PSI and tensile strength of 96,425 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			
	1/2" x 4" structural steel flat bar with six 3/4" hinge supports and three 3" structural steel channels to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	One 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 40,000 lb.			
DECK BEAMS	6" @ 9 lb. per ft. wide flange structural steel I-beams	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	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			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	One 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 50,000 lb.			
DECK BEAMS	6" @ 9 lb. per ft. wide flange structural steel I-beams	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	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)			
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			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	One 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 60,000 lb.			
DECK BEAMS	6" @ 15 lb. per ft. wide flange structural steel main I-beams	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	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)			
LIP	3/4" 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 two 3" structural steel channels and two 4" channels to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz - 2 gal. tank		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	Two 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 80,000 lb.			
DECK BEAMS	8" @ 18 lb. per ft. wide flange structural steel main beams (I-beams)	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	Two 12 gauge wedge plate; 12" to 8"			
DECK PLATE	3/8" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
HEADBOARD	1/2" x 8-1/2" hrs			
LIP HINGE	2-1/2" OD x 1-1/2" ID seamless steel tube c/w reinforcing gussets Minimum yield 81,055 PSI and tensile strength of 94,105 PSI			
LIP HINGE ROD	1-3/8" dia. steel rod (minimum yield 111,000 PSI and tensile strength of 118,000)			
LIP LENGTH (STD.)	16" (gives 10" projection beyond normally mounted 4" bumper)			
LIP	3/4" 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 two 3" structural steel channels and two 4" channels to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz - 2 gal. tank		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	Two 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 100,000 lb.			
DECK BEAMS	8" @ 18 lb. per ft. wide flange structural steel main beams (I-beams)	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	Two 12 gauge wedge plate; 12" to 8"			
DECK PLATE	1/2" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
HEADBOARD	1/2" x 8-1/2" hrs			
LIP HINGE	3" OD x 1-1/2" ID seamless steel tube c/w reinforcing gussets Minimum yield 74,965 PSI and tensile strength of 89,030 PSI			
LIP HINGE ROD	1-3/8" dia. steel rod (minimum yield 111,000 PSI and tensile strength of 118,000)			
LIP LENGTH (STD.)	16" (gives 10" projection beyond normally mounted 4" bumper)			
LIP	1" thick hrs steel smooth plate (44W minimum yield 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 twelve (12) 1" hinge supports and two 3" structural steel channels and three 4" structural steel channels to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz - 2 gal. tank		
LIP CYLINDER	One 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	Two 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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HYDRAULIC DOCK LEVELER

SPECIFICATIONS

CAPACITY	Up to 120,000 lb.			
DECK BEAMS	10" @ 22 lb. per ft. wide flange structural steel main beams (I-beams)	6' Wide	6'-6" Wide	7' Wide
		6	8	8
	Two 12 gauge wedge plate; 12" to 10"			
DECK PLATE	1/2" thick hi-tensile hrs steel checker plate (50 ksi minimum yield strength, 65 minimum ksi hi-tensile strength)			
HEADBOARD	1/2" x 10-1/2" hrs			
LIP HINGE	3" OD x 1-1/2" ID seamless steel tube c/w reinforcing gussets Minimum yield 74,965 PSI and tensile strength of 89,030 PSI			
LIP HINGE ROD	1-3/8" dia. steel rod (minimum yield 111,000 PSI and tensile strength of 118,000)			
LIP LENGTH (STD.)	18" (gives 10" projection beyond normally mounted 4" bumper)			
LIP	1" thick hrs steel smooth plate (44W minimum yield strength)			
FRAME, REAR SUPPORT, REAR HINGE FALL SAFE RESTRAINT POINTS (SUPPORTS)	Structural steel angle with rear reinforcing gussets.			
	4" x 6" x 1/2" structural angle with twelve (12) 1" hinge supports and five 3" x 3" x 1/4" structural steel tubes to bottom of frame			
	Reinforced lift cylinder pivot points			
PIT	Standard pit dimensions			
WORKING RANGE	Above and below range is 1" per foot of nominal length			
POWERPACK	Standard:	1 HP / 120V / 1PH / 60Hz - 2 gal. tank		
LIP CYLINDER	Two 1-1/2" dia. hydraulic cylinder - 3,000 PSI			
LIFT CYLINDER	Two 2" dia. solid rod hydraulic cylinder - 3,000 PSI			
HYDRAULIC SAFETY STOP	Velocity fuse mounted on lift cylinder			
MAINTENANCE STRUT	Hinged on frame with lip support			

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