



# HYDRAULIC BRAKES

## HYDRAULIC BRAKES

- Mainly used for parking brakes
- Equipped with friction discs
- Either completely built-in or stand-alone
- Holding torque of up to 12 000 lb•in



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## LB - NEGATIVE DISC BRAKES

LB*/288	Opening pressure psi (bar)		Minimum static torque lb·in (daNm)	Motors
	Minimum	Maximum		
LB7	58-116 (4-8)	4530 (300)	531-708 (6-8)	MLHP, MLHR, MLHS
LB14	130-232 (9-16)	4530 (300)	1150-1327 (13-15)	
LB21	174-188 (12-13)	4530 (300)	1770-1947 (20-22)	
LB32	260-290 (18-20)	4530 (300)	2743-3009 (31-34)	
LB43	348-377 (24-26)	4530 (300)	3628-3982 (41-45)	
LB63	550-565 (38-39)	4530 (300)	5399-5665 (61-64)	



LBS*/289(290) LBV*/289(290)	Opening pressure psi (bar)		Minimum static torque lb·in (daNm)	Motors
	Minimum	Maximum		
LBS21 LBV21	174-188 (12-13)	4350 (300)	1770-1947 (20-22)	MLHSS, MLHSV
LBS32 LBV32	260-290 (18-20)	4350 (300)	2743-3009 (31-34)	
LBS43 LBV43	348-377 (24-26)	4350 (300)	3628-3982 (41-45)	
LBS63 LBV63	550-565 (38-39)	4350 (300)	5399-5665 (61-64)	



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## LB - NEGATIVE DISC BRAKES

LBSY*/289(290) LBVY*/289(290)	Opening pressure psi (bar)		Minimum static torque lb·in (daNm)	Motors
	Minimum	Maximum		
LBSY21 LBVY21	247-333 (17-23)	4350 (300)	1770-1947 (20-22)	MLHSYS, MLHSYV
LBSY32 LBVY32	247-333 (17-23)	4350 (300)	2743-3009 (31-34)	
LBSY43 LBVY43	247-333 (17-23)	4350 (300)	3628-3982 (41-45)	
LBSY63 LBVY63	247-333 (17-23)	4350 (300)	5399-5665 (61-64)	



LBS*/314(315) LBV*/314(315)	Opening pressure psi (bar)		Minimum static torque lb·in (daNm)	Motors
	Minimum	Maximum		
LBS21 LBV21	58-72 (4-5)	4350 (300)	1593-2036 (18-23)	MLHTS, MLHTV
LBS29 LBV29	87-101 (6-7)	4350 (300)	2478-2921 (26-33)	
LBS43 LBV43	130-145 (9-10)	4350 (300)	3717-4071 (42-46)	
LBS65 LBV65	188-217 (13-15)	4350 (300)	5399-6196 (61-70)	
LBS85 LBV85	261-290 (18-20)	4350 (300)	7346-8143 (83-92)	
LBS110 LBV110	333-362 (23-25)	4350 (300)	9559-10444 (108-118)	
LBS130 LBV130	391-420 (27-29)	4350 (300)	11152-12037 (126-136)	



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LBS*/313(316)	Opening pressure psi (bar)		Minimum static torque lb·in (daNm)	Motors
	Minimum	Maximum		
LBS21	58-72 (4-5)	4350 (300)	1593-2036 (18-23)	MLHVS
LBS29	87-101 (6-7)	4350 (300)	2478-2921 (26-33)	
LBS43	130-145 (9-10)	4350 (300)	3717-4160 (42-47)	
LBS65	188-217 (13-15)	4350 (300)	5399-6285 (61-71)	
LBS85	261-290 (18-20)	4350 (300)	7346-8320 (83-94)	
LBS110	333-362 (23-25)	4350 (300)	9559-10444 (108-118)	
LBS130	391-420 (27-29)	4350 (300)	11240-12125 (127-137)	



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## B - NEGATIVE DISC BRAKES

B..R	Static torque of brake lb·in (daNm)	Release pressure psi (bar)		Maximum operating pressure psi (bar)
		Initial	Full	
B35R	3100 (35)	232 (16)	275 (19)	3480 (240)
B55R	4870 (55)	232 (16)	275 (19)	3480 (240)



B..T	Static torque of brake lb·in (daNm)	Release pressure psi (bar)		Maximum operating pressure psi (bar)
		Initial	Full	
B50T	4425 (50)	232 (16)	275 (19)	3480 (240)
B55T	4870 (55)	232 (16)	275 (19)	3480 (240)
B60T	5310 (60)	232 (16)	275 (19)	3480 (240)
B65T	5750 (65)	246 (17)	290 (20)	3480 (240)
B85T	7525 (85)	260 (18)	320 (22)	3480 (240)



B..K	Static torque of brake lb·in (daNm)	Minimum brake release pressure psi (bar)	Maximum operating pressure psi (bar)	Maximum permissible pressure in drain line psi (bar)
B130K	12565 (143)	119-478 (31-33)	3480 (240)	72 (5)

