

Caliper Disc Brakes

FS440 SERIES - DUCTILE IRON

CALIPER DISC BRAKES

AVAILABLE STYLES

Single Acting

FLOATING MOUNT - FIXED DISC



PICTURED: 0768-0001

FS440 SPECIFICATIONS

Maximum hydraulic/pneumatic pressure:	2,000 PSI non shock
Minimum hydraulic pressure to release brake:	1,310 PSI
Accommodates Tol-O-Matic disc diameters:	10", 12", 16"
Maximum disc diameter:	none
Housing Material:	Cast ductile iron
Bolts:	Zinc plated grade 8
Seals:	Buna-N Standard
Wearable friction material:	1.75 cu. in.
Friction material:	Replaceable, high-grade
Total lining area:	4.0 sq. in.
Floating bracket:	Standard
Fluid displacement:	0.133 cu. in.
Recommended wear compensation interval:	.12 in. lining wear

BRAKE MODEL LETTER CODES

E 1/2" Thick Disc	L 3/8" Thick Disc	O 1-1/4" Thick Disc
FS Spring Applied	N 1" Thick Disc	Q 1-1/2" Thick Disc

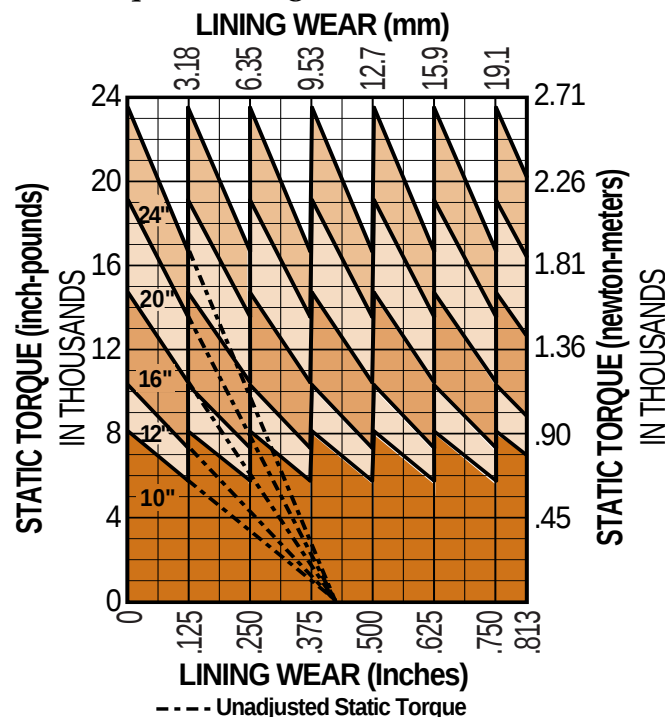
DISC SIZING EQUATIONS

STATIC (PARKING) TORQUE (IN.-LBS.) = TANGENTIAL FORCE (LBS.) x BRAKING RADIUS (IN.)

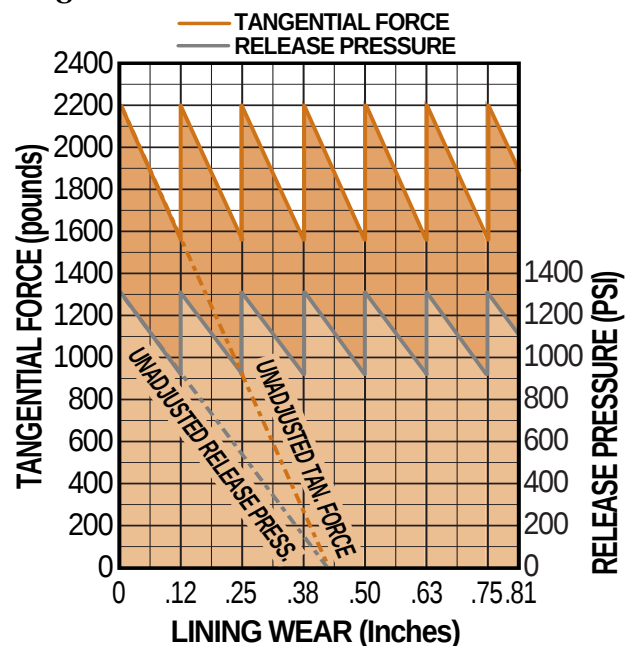
BRAKING RADIUS (IN.) = [DISC DIAMETER ÷ 2] - 1.310

PERFORMANCE DATA

Static Torque vs Lining Wear



Tangential Force

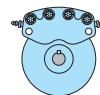


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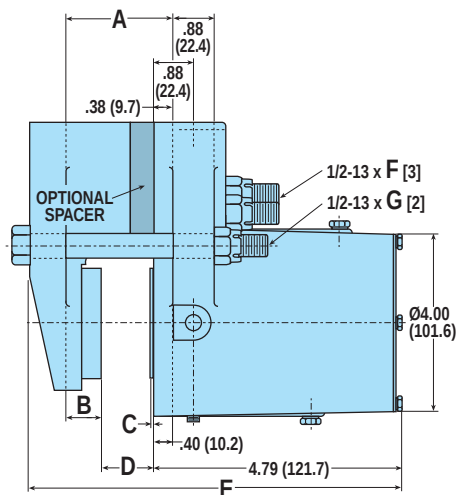
CALIPER DISC BRAKES

SINGLE ACTING WITH FLOATING BRACKET

FLOATING MOUNT - FIXED DISC

Accommodates disc thickness: 3/8" 1/2" 1" 1-1/4" 1-1/2"

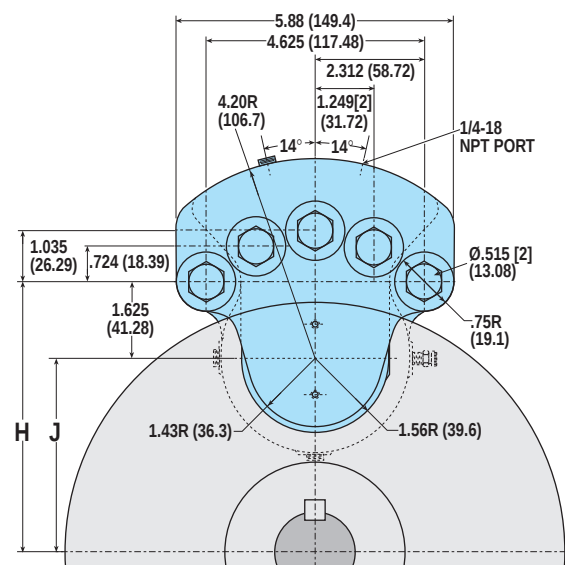
Weight 27.0 lbs. 12.25 kgs.



MODEL CODE	DISC THK.	A	B	C	D	E	F BOLT LGTH.	G BOLT LGTH.	OPTIONS / DESCRIPTION	ASSEMBLY NUMBER
FS-440L	3/8"	1.75"	.83"	.12"	.56"	6.91"	4.00"	4.50"	Iron, Man Wear Comp, Man Retractor	0768-0001
FS-440E	1/2"	1.75"	.77"	.06"	.62"	6.91"	4.00"	4.50"	Iron, Man Wear Comp, Man Retractor	0768-0002
FS-440N	1"	2.25"	.77"	.06"	1.12"	7.41"	5.00"	5.00"	Iron, Man Wear Comp, Man Retractor	0768-0003
FS-4400	1-1/4"	2.50"	.77"	.06"	1.38"	7.66"	5.00"	5.50"	Iron, Man Wear Comp, Man Retractor	0768-0004
FS-440Q	1-1/2"	2.75"	.77"	.06"	1.62"	7.91"	5.00"	5.50"	Iron, Man Wear Comp, Man Retractor	0768-0005

MOUNTING DIMENSIONS

Disc Diameter	10"	12"	16"	20"	24"
H	5.315"	6.315"	8.315"	10.315"	12.315"
Braking Radius	J	3.690"	4.690"	6.690"	8.690"



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H/ME20

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ME20

ME220

MB3

SPRING APPLIED BRAKES

FS20

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DISCS HUBS & BUSHINGS

TENSION CONTROL COMBINATIONS

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