

FS-440 SERIES DUCTILE IRON

**EMERGENCY STOP
WITH FLOATING BRACKET**
(For use with a 3/8", 1/2", 1", 1-1/4"
or 1-1/2" Fixed Disc)

Weight: 27.0 lbs. (12.25 kg.)



USES

Mobile Equipment, Material Handling
Equipment, Industrial Machinery,
Mining Machinery, Farm Machinery,
Hydrostatic Transmissions, Gear
Reduction Input Shafts, Hydraulic
Wheels and Hydraulic Motors

FEATURES

- Cast ductile iron construction
- Cadmium plated grade 8 bolts
- Standard Buna-N seals
- 1.75 cu. in. of wearable friction material

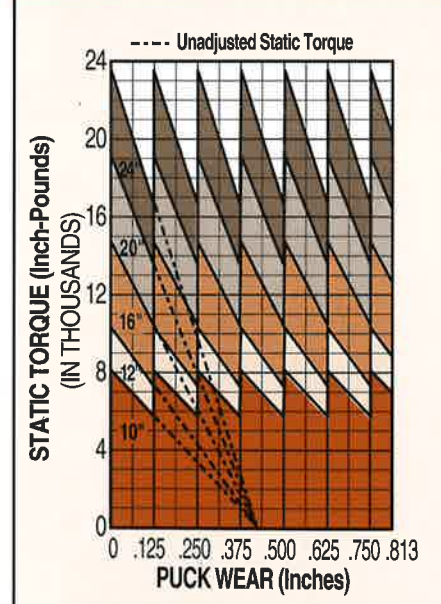
- Replaceable pucks
- High grade friction material
- 4.0 sq. in. total puck area
- Puck diameter 1.610 in.
- Accommodates 10" to 24" disc diameters
- Fluid displacement for retraction = 0.56 cu. in.

OPTIONS

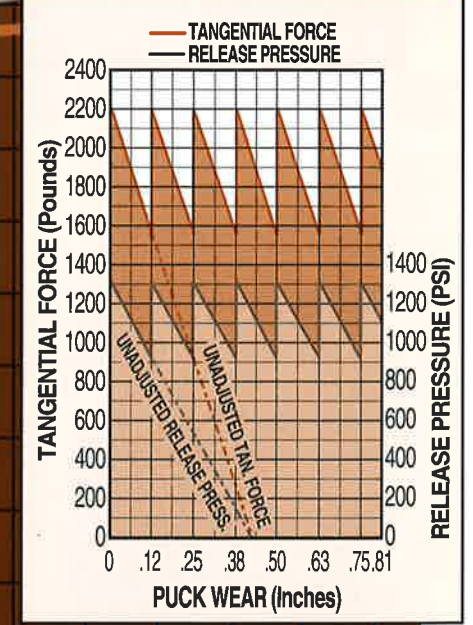
- EPR seals

PERFORMANCE DATA

STATIC TORQUE — FS440



TANGENTIAL FORCE - FS440



24" DISC 20" DISC 16" DISC 12" DISC 10" DISC

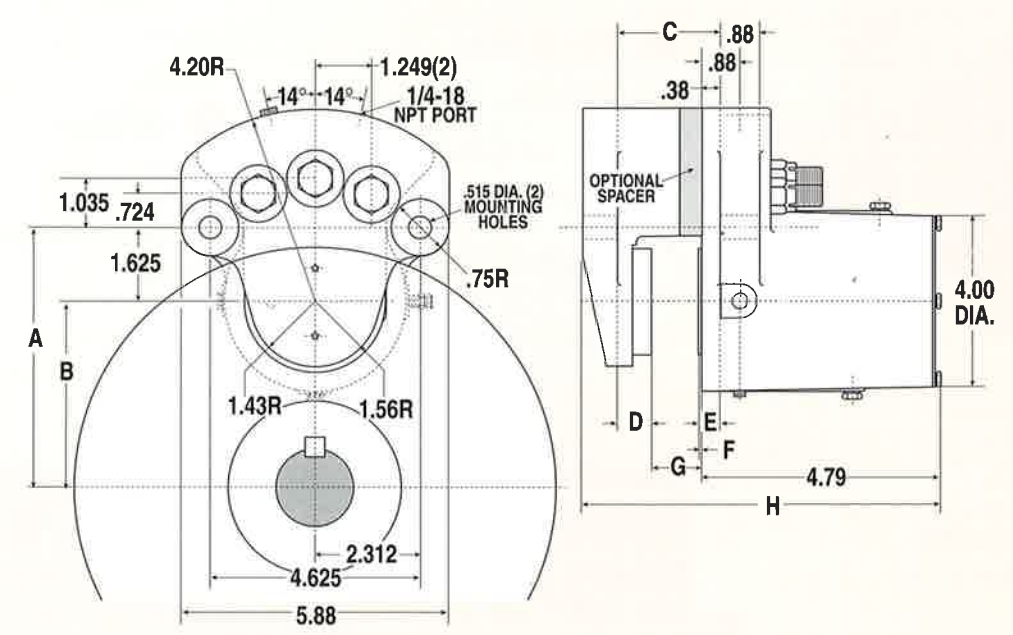
NOTE: Available Tol-O-Matic Disc Sizes 6 5/16", 8", 10", 12", and 16"

**MAXIMUM HYDRAULIC
PRESSURE RATING**
2000 PSI Non Shock
**MINIMUM HYDRAULIC
PRESSURE TO RELEASE BRAKE**
1310 PSI

SEE PAGE 63 FOR ORDERING
INFORMATION

DISC SIZING EQUATIONS:
STATIC (PARKING) TORQUE (IN. LBS.) = TANGENTIAL FORCE (LBS.) x BRAKING RADIUS (IN.)
BRAKING RADIUS (IN.) = [DISC DIAMETER ÷ 2] - 1.310

DIMENSIONAL DATA



(All dimensions in inches)

DISC DIA.	A	B BRAKING RADIUS	MAXIMUM TORQUE (STATIC)
10.000	5.315	3.690	8,118 in. lbs.
12.000	6.315	4.690	10,318 in. lbs.
16.000	8.315	6.690	14,718 in. lbs.
20.000	10.315	8.690	19,118 in. lbs.
24.000	12.315	10.690	23,518 in. lbs.

MODEL NO.	DISC THICKNESS	C	D	E	F	G	H
FS-440L	.375	1.75	.83	.52	.12	.56	6.91
FS-440E	.500	1.75	.77	.46	.06	.62	6.91
FS-440N	1.000	2.25	.77	.46	.06	1.12	7.41
FS-440O	1.250	2.50	.77	.46	.06	1.38	7.66
FS-440Q	1.500	2.75	.77	.46	.06	1.62	7.91

(All dimensions in inches)

**RECOMMENDED WEAR
COMPENSATION INTERVAL**
FS440 = .12" PUCK WEAR



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