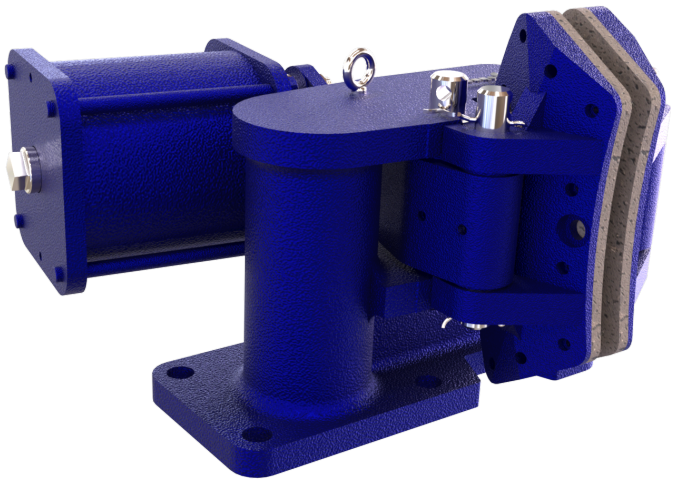


Product Catalogue

Pneumatic & Hydraulic Brakes

Section 02 · 2026 edition

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02.02 Air Applied Brakes
02.03 Hydraulic Applied Brakes
02.04 Spring-Set, Air Released Brakes
02.05 Spring-Set, Hydraulic Released Brakes
02.06 Hand Wheel Brakes

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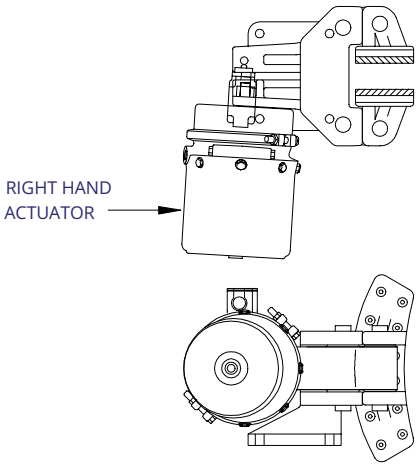
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Standard Caliper Styles & Handing

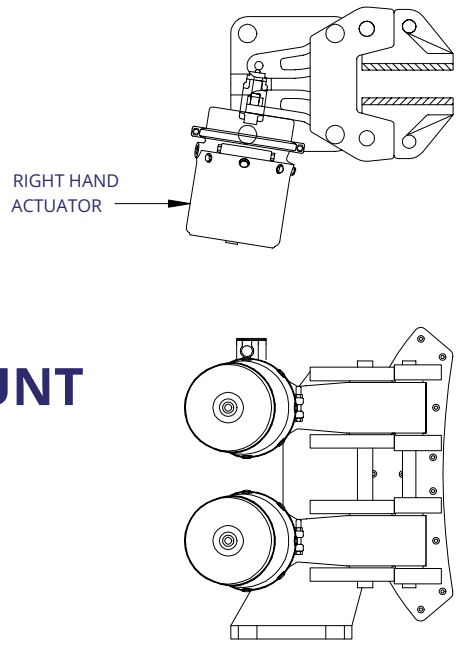
Foot mount and side mount

DRAWING
A8004000-1.0

FOOT MOUNT

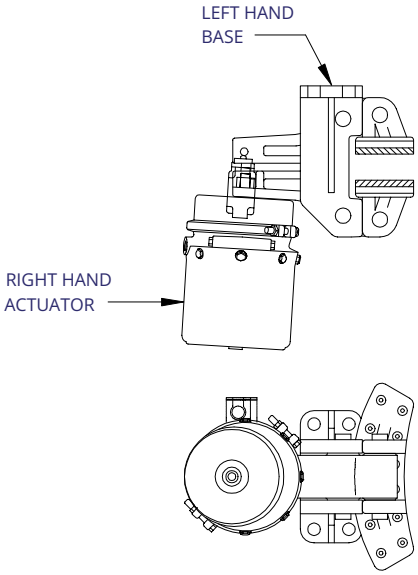


800 1800 2800 SERIES

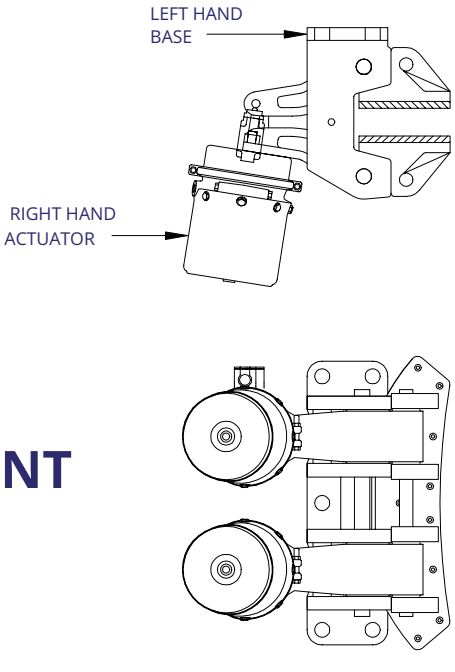


3800 SERIES

SIDE MOUNT



1000 2000 3000 SERIES



4000 SERIES

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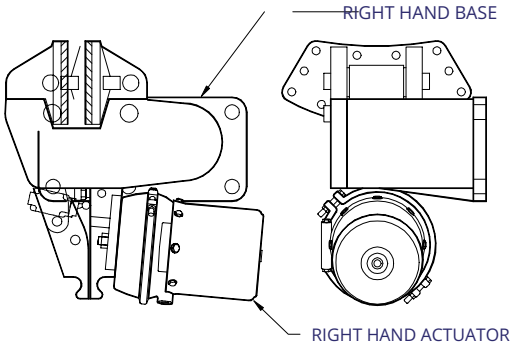
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Toggle Caliper Styles & Handing

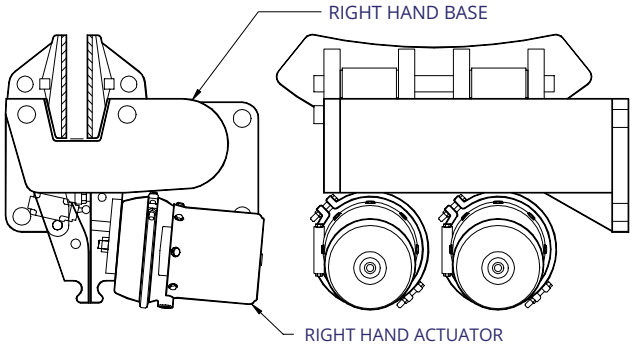
Foot, side and tandem foot mount

DRAWING
A48006000-1.0

FOOT MOUNT

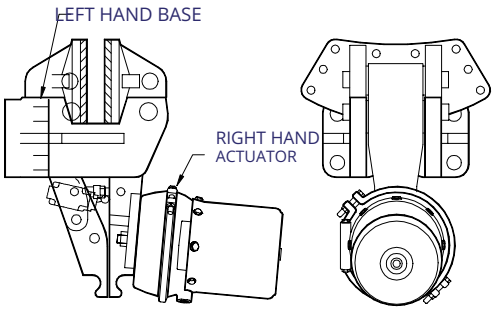


4800 SERIES

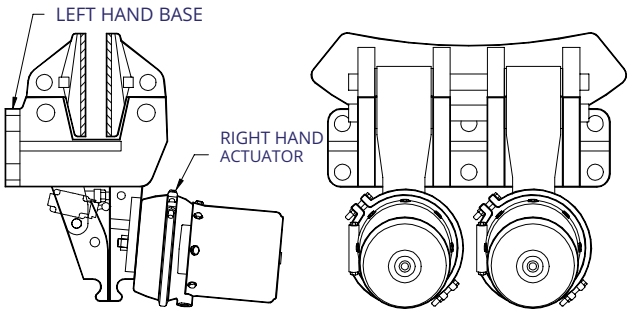


5800 SERIES

SIDE MOUNT

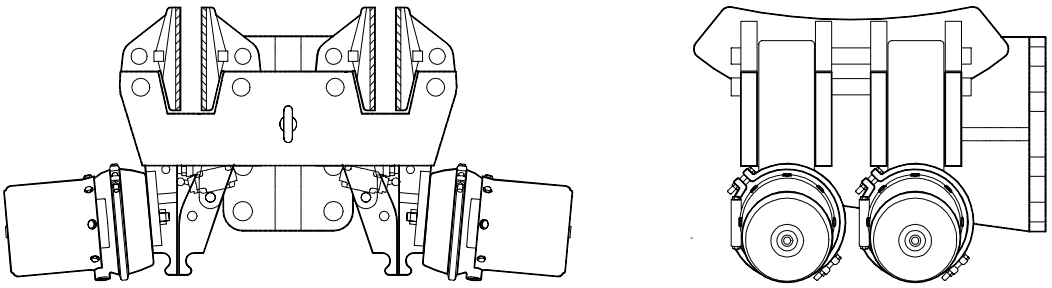


5000 SERIES



6000 SERIES

TANDEM FOOT MOUNT



T5800 SERIES

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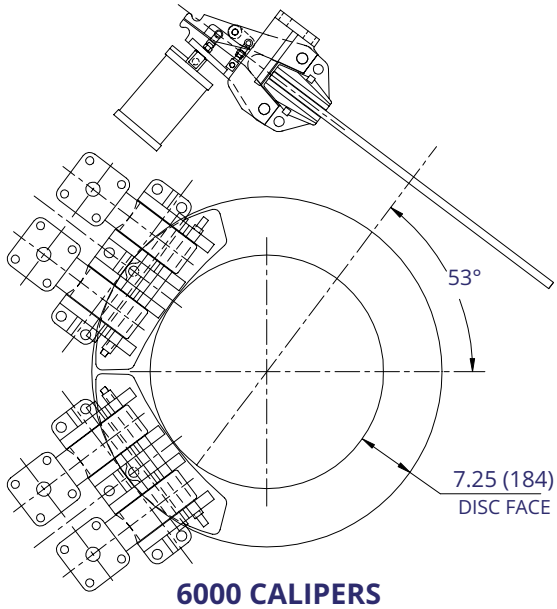
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5800 & 6000 Series Brake Calipers

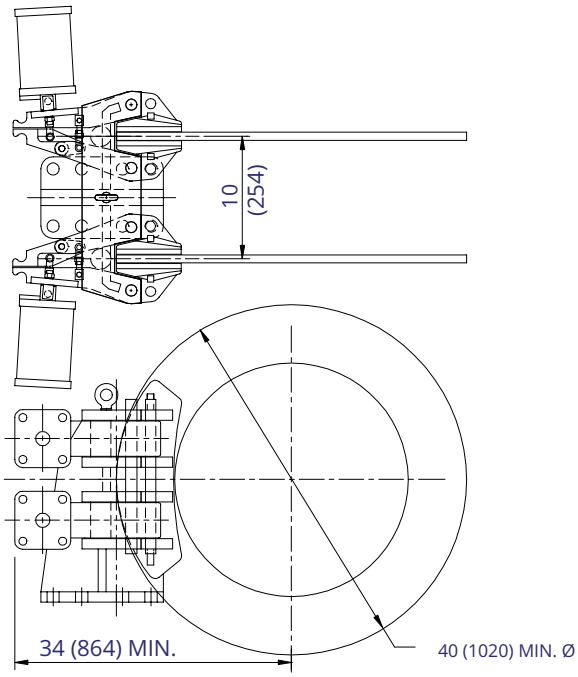
Dual mounting arrangements · 1" thick × 7.25" face disc

DRAWING
BA5800-01.1



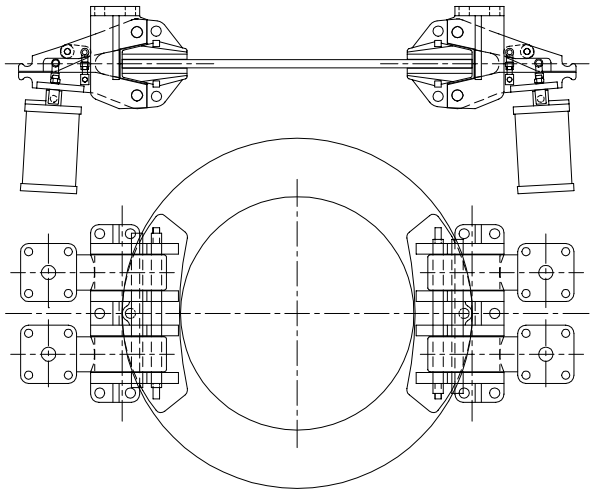
6000 CALIPERS

SIDE-MOUNT
ON ONE SIDE OF DRUM



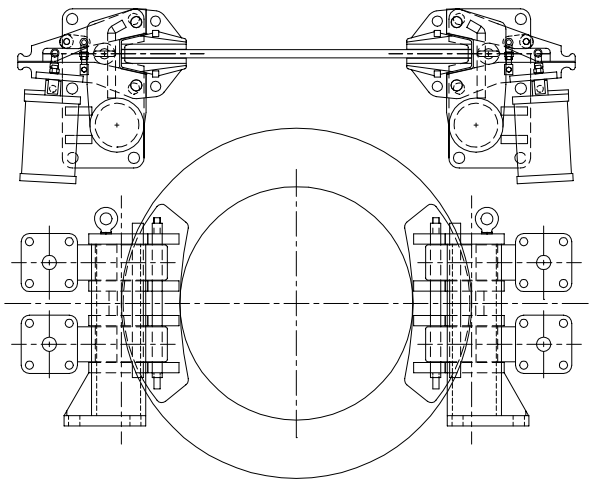
T5800 CALIPER

TANDEM FOOT-MOUNT
TWIN DISCS



6000 CALIPERS

SIDE-MOUNT
ON DRUM DIAMETER



5800 CALIPERS

FOOT MOUNT
ON DRUM DIAMETER

Notes

- **NOMINAL TORQUE RATINGS FOR TWO CALIPERS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS):** DYNAMIC TORQUE (lb-ft) = 3260 × (DISC DIA. (inches) - 7.25) DYNAMIC TORQUE (Nm) = 174 × (DISC DIA. (mm) - 184) STATIC TORQUE (lb-ft) = 2610 × (DISC DIA. (inches) - 7.25) STATIC TORQUE (Nm) = 139 × (DISC DIA. (mm) - 184)

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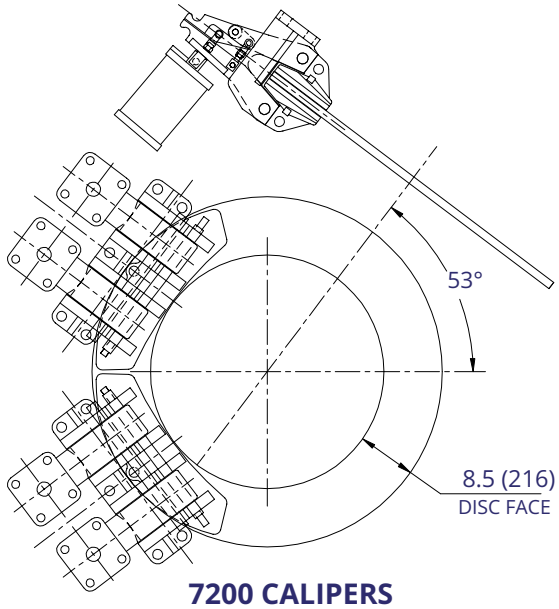
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7000 Series Brake Calipers

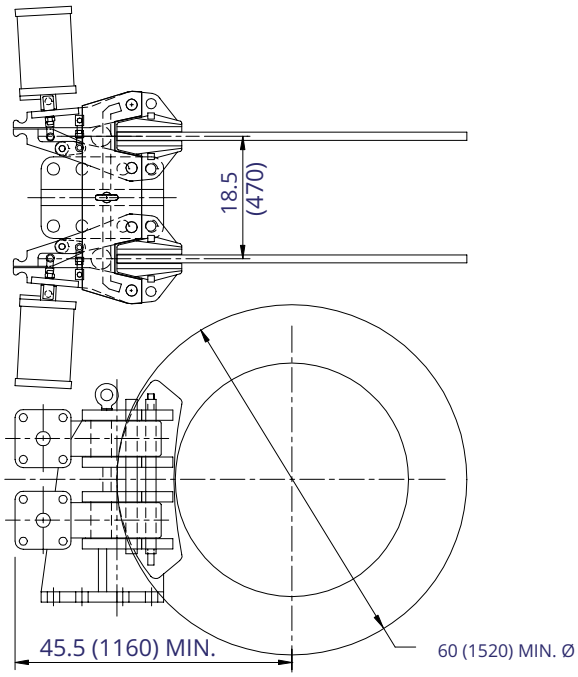
Dual mounting arrangements · 1.125" thick × 8.5" face disc

DRAWING
BA7000-01.3



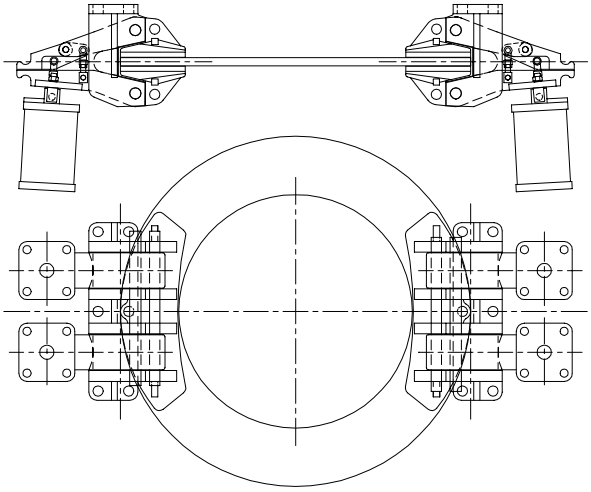
7200 CALIPERS

**SIDE-MOUNT
ON ONE SIDE OF DRUM**



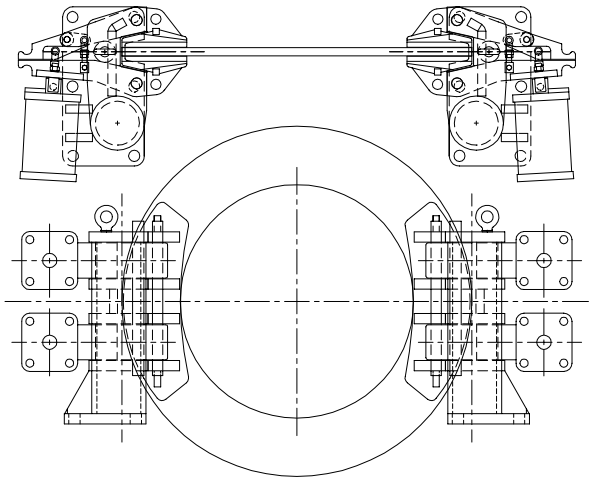
7600 CALIPER

**TANDEM FOOT-MOUNT
TWIN DISCS**



7200 CALIPERS

**SIDE-MOUNT
ON DRUM DIAMETER**



7400 CALIPERS

**FOOT MOUNT
ON DRUM DIAMETER**

Notes

- **NOMINAL TORQUE RATINGS FOR TWO CALIPERS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS):** DYNAMIC TORQUE (lb-ft) = 4900 × (DISC DIA. (inches) - 8.5) DYNAMIC TORQUE (Nm) = 261.6 × (DISC DIA. (mm) - 216) STATIC TORQUE (lb-ft) = 3920 × (DISC DIA. (inches) - 8.5) STATIC TORQUE (Nm) = 209.3 × (DISC DIA. (mm) - 216)

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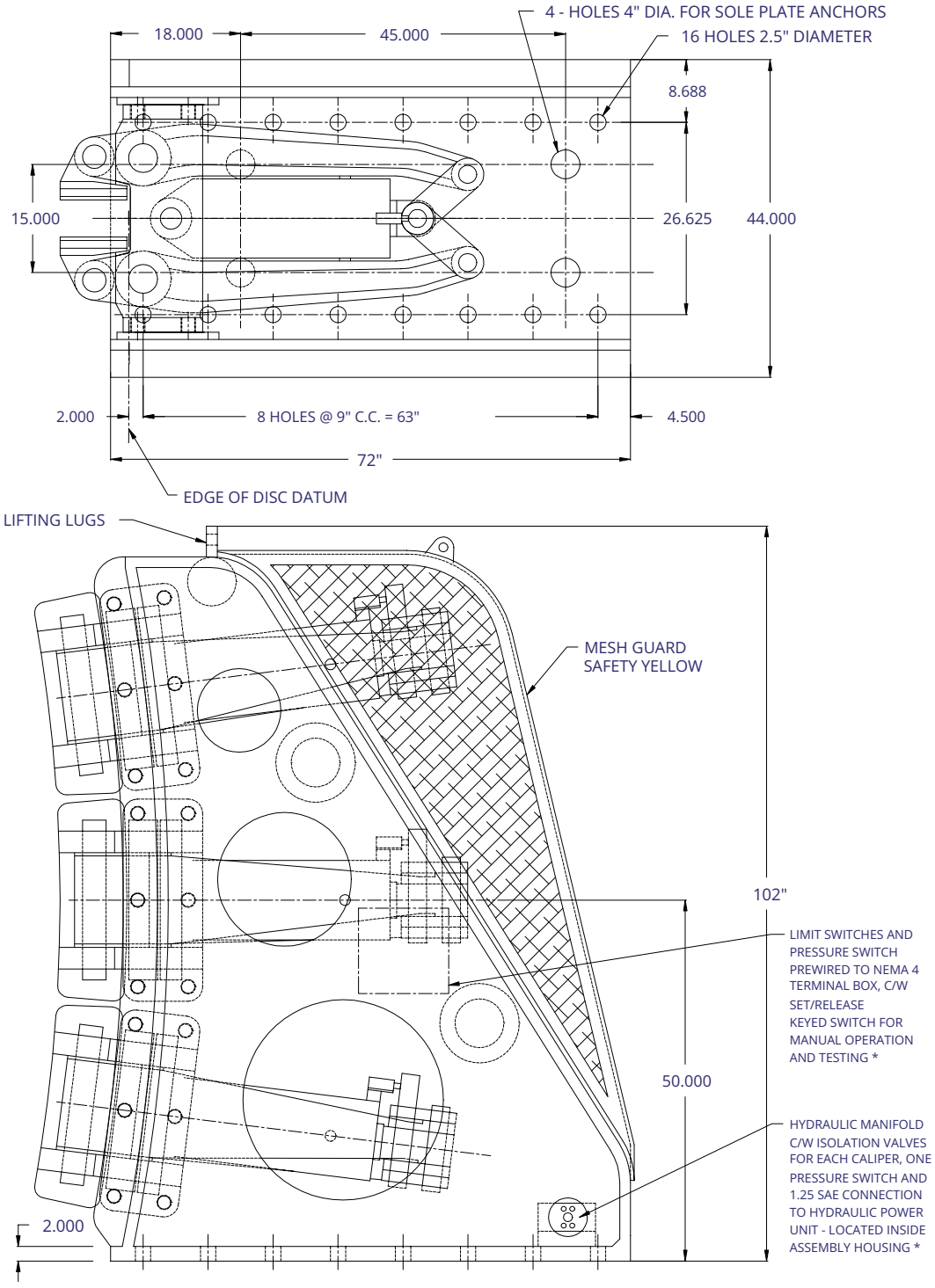
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Disc Brake Assembly & Footprint

3 - TL250 toggle brake calipers

DRAWING
A-3228-02.5



Notes

- * ONE LH, ONE RH

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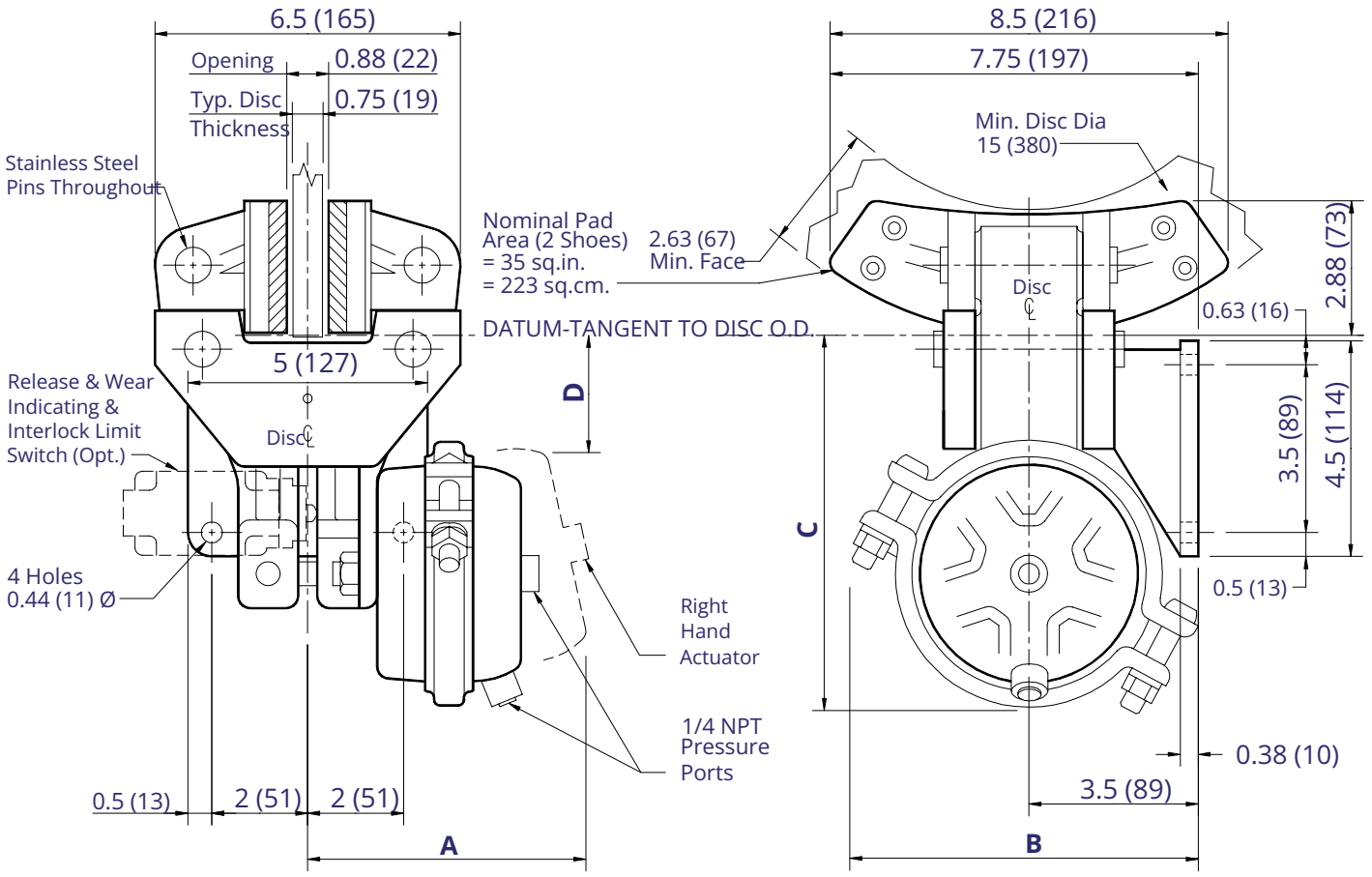
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80AS Series Brake Calipers (foot-mounted)

DRAWING
BC080AS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (380 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 1/4 NPT pressure ports; 4 holes 0.44 in (11 mm) dia.
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
809A	4800 / 21400	32 / 15	100 / 689	18 / 295	5.8/146	6.5/165	7.5/191	2.6/66	1240 / 1680	3240 / 4390	5240 / 7110	7240 / 9820
812A	6400 / 28500	32 / 15	100 / 689	26 / 426	6/152	7.0/178	7.8/197	2.3/58	1660 / 2250	4330 / 5870	6990 / 9480	9660 / 13100
816A	8530 / 38000	33 / 15	100 / 689	44 / 721	6.3/159	7.5/191	8/204	2.1/53	2210 / 3000	5760 / 7810	9320 / 12600	12900 / 17500

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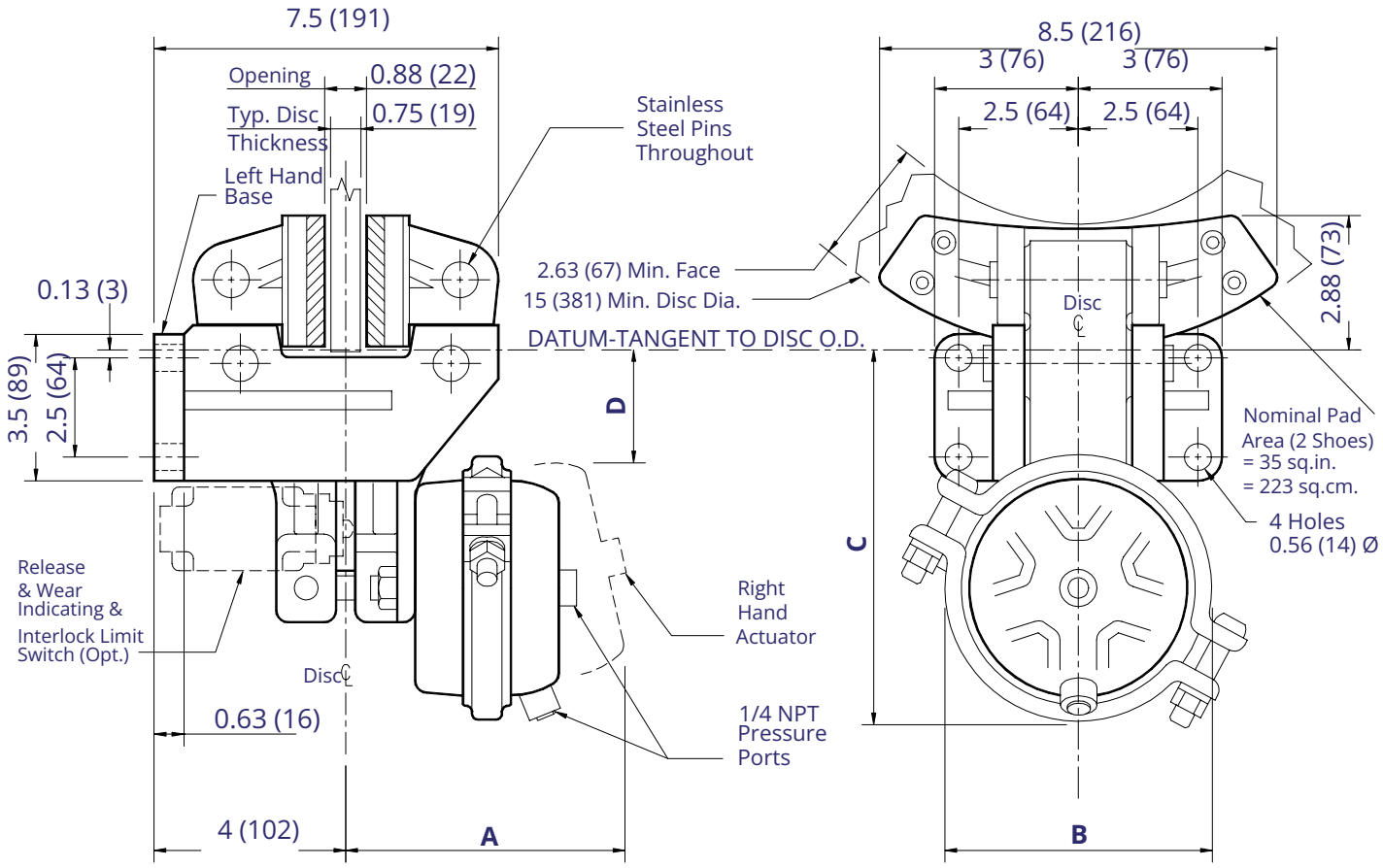
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100AS Series Calipers (side-mounted)

DRAWING
BC100AS-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 1/4 NPT pressure ports; 4 holes 0.56 in (14 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
1009A	4800 / 21400	33 / 15	100 / 689	18 / 295	5.8/146	5/127	7.5/191	2.6/66	1240 / 1680	3240 / 4390	5240 / 7110	7240 / 9820
1012A	6400 / 28500	33 / 15	100 / 689	26 / 426	6/152	5.5/140	7.8/197	2.3/58	1660 / 2250	4330 / 5870	6990 / 9480	9660 / 13100
1016A	8530 / 38000	34 / 15	100 / 689	44 / 721	6.3/159	6/152	8/104	2.1/53	2210 / 3000	5760 / 7810	9320 / 12600	12900 / 17500

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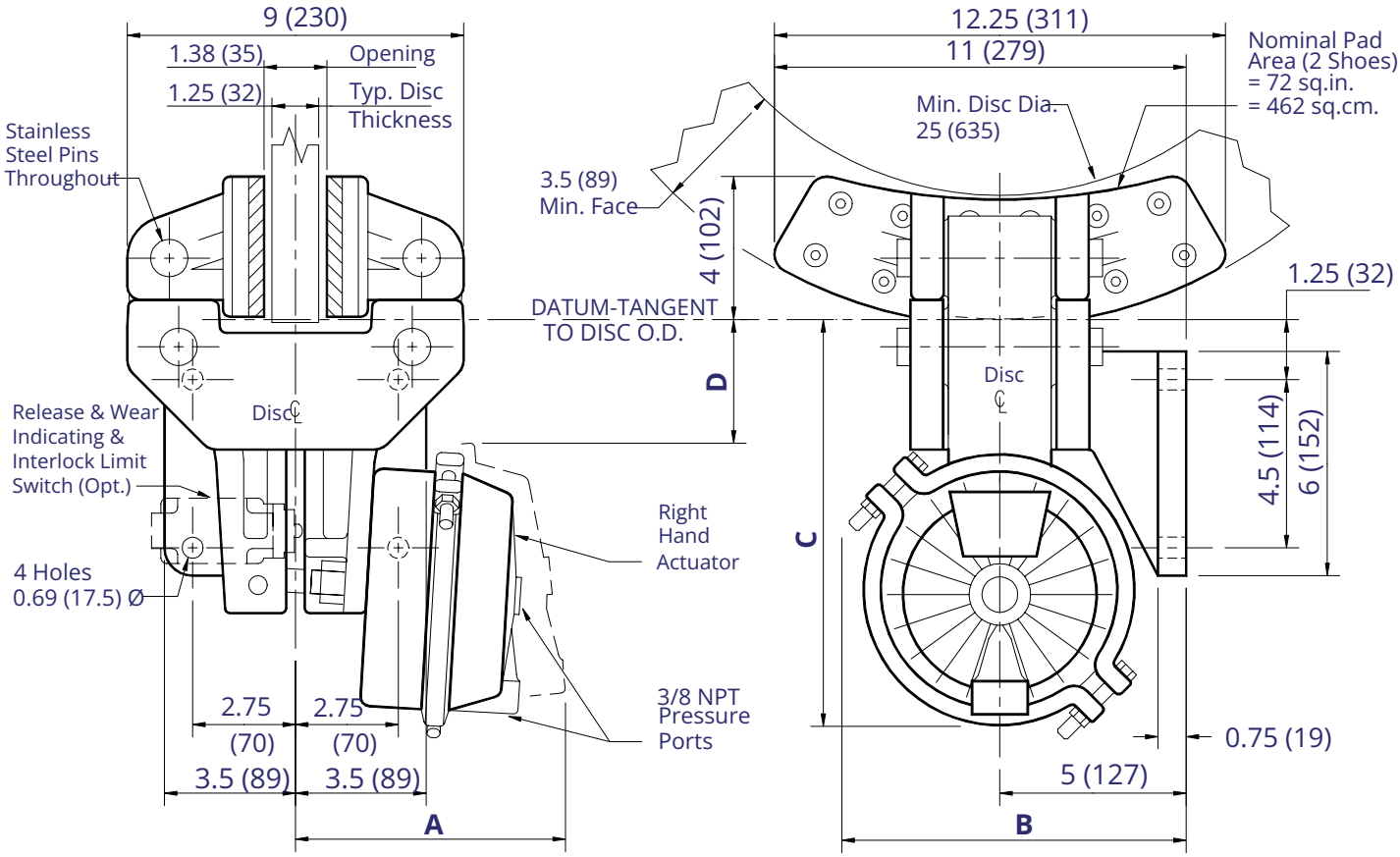
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180AS Series Brake Calipers (foot-mounted)

DRAWING
BC180AS-1.4



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure ports; 4 holes 0.69 in (17.5 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
1820A	10700 / 47500	79 / 36	100 / 689	55 / 901	7.3/185	8.3/211	10.8/274	3.5/89	4810 / 6520	9250 / 12500	13700 / 18600	18100 / 24600
1824A	12800 / 56900	81 / 37	100 / 689	65 / 1065	7.3/185	8.5/216	11/279	3.3/84	5760 / 7820	11100 / 15100	16400 / 22300	21800 / 29500
1830A	16000 / 71200	83 / 38	100 / 689	92 / 1508	7.3/185	8.9/227	11.4/290	2.9/74	7210 / 9780	13900 / 18800	20500 / 27900	27200 / 36900
1836A	19200 / 85400	86 / 39	100 / 689	127 / 2081	8/203	9.4/239	11.9/302	2.4/61	8650 / 11700	16700 / 22600	24700 / 33400	32700 / 44300

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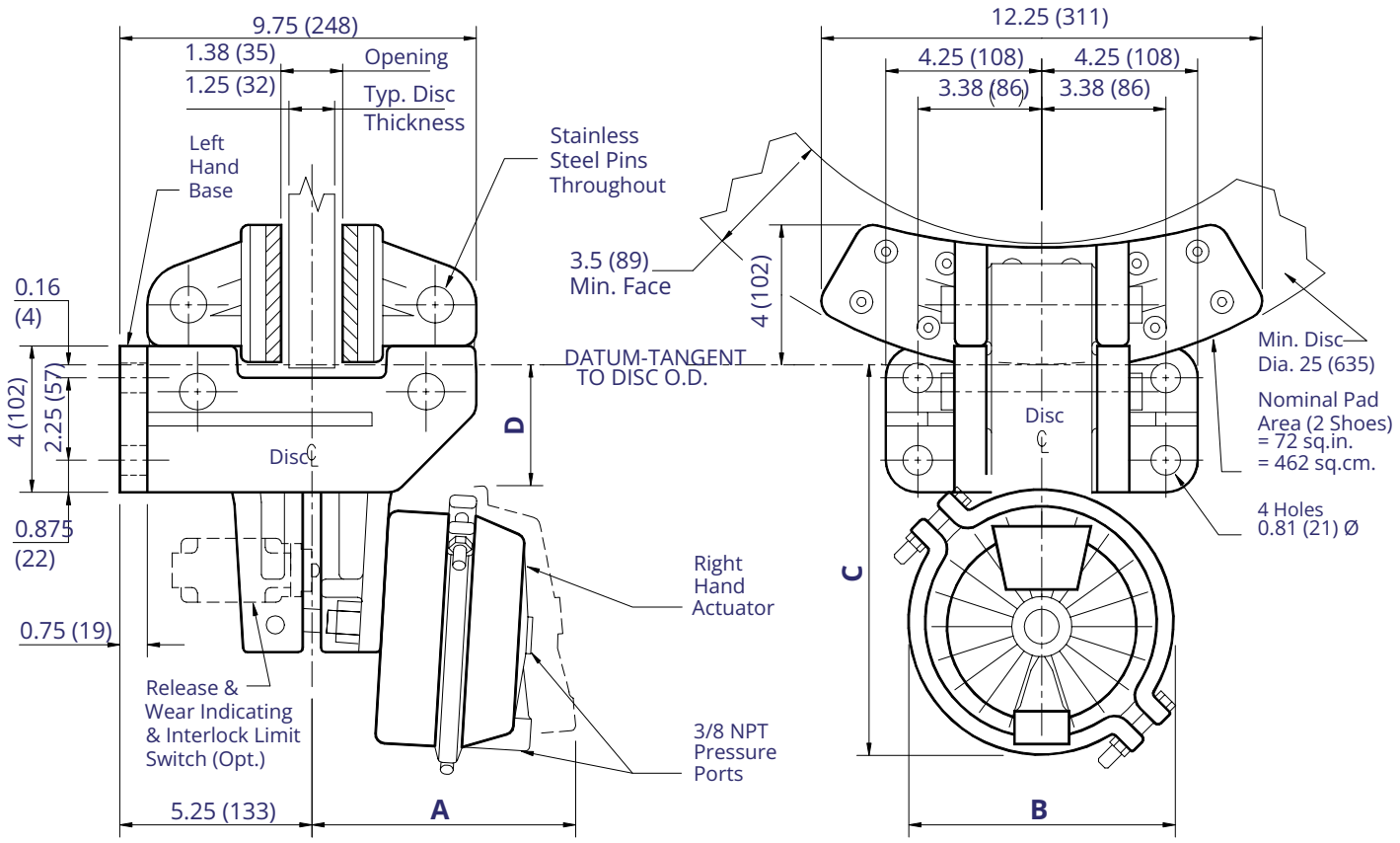
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200AS Series Brake Calipers (side-mounted)

DRAWING
BC200AS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure ports; 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
2020A	10700 / 47500	78 / 35	100 / 689	55 / 901	7.3/39	6.8/173	10.8/274	3.5/89	4810 / 6520	9250 / 12500	13700 / 18600	18100 / 24600
2024A	12800 / 56900	80 / 36	100 / 689	65 / 1065	7.3/39	7.2/184	11/279	3.3/84	5760 / 7820	11100 / 15100	16400 / 22300	21800 / 29500
2030A	16000 / 71200	82 / 37	100 / 689	92 / 1508	7.3/39	8.1/205	11.4/290	2.9/74	7210 / 9780	13900 / 18800	20500 / 27900	27200 / 36900
2036A	19200 / 85400	85 / 39	100 / 689	127 / 2081	8/203	9.1/230	11.9/302	2.4/61	8650 / 11700	16700 / 22600	24700 / 33400	32700 / 44300

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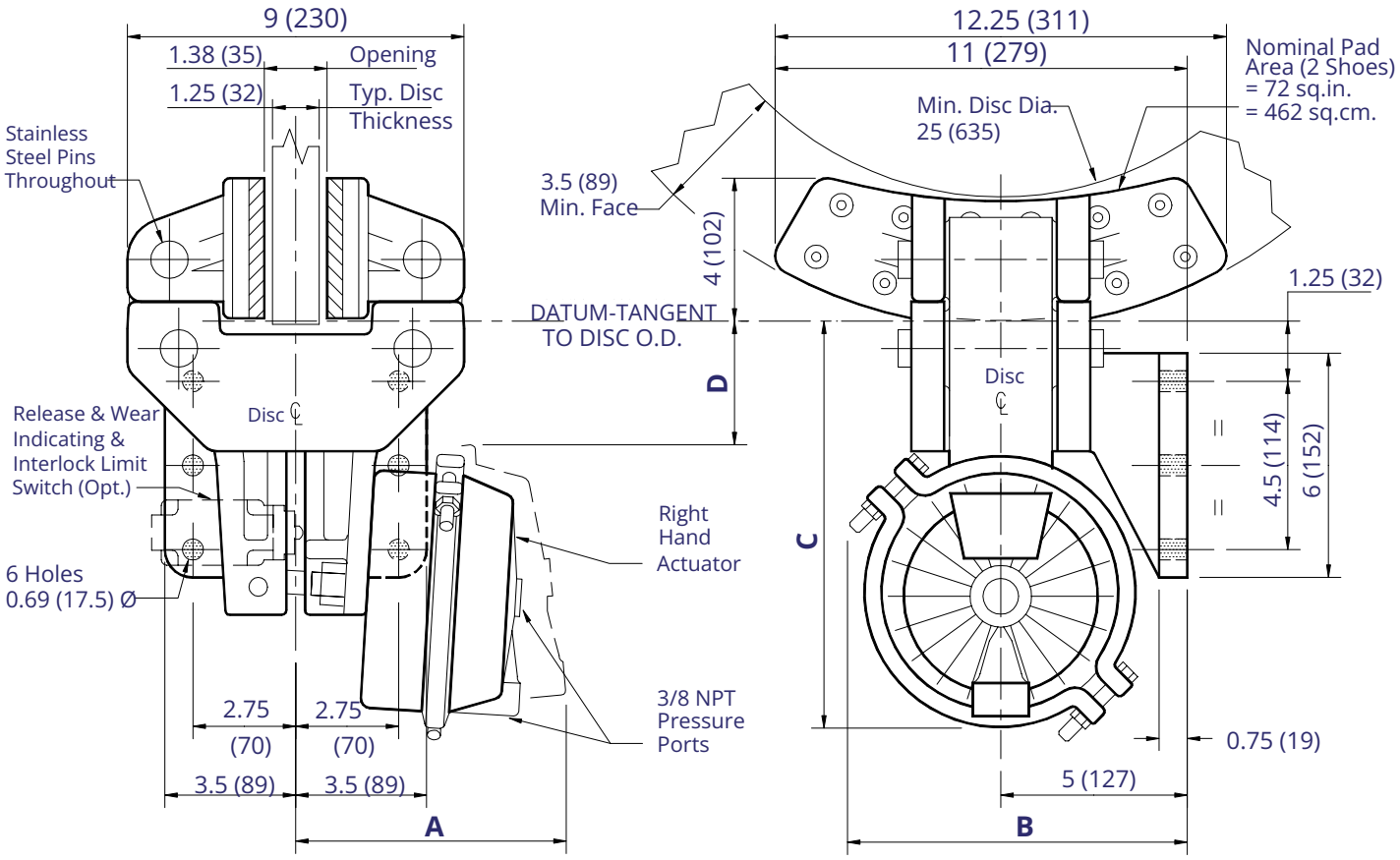
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180ASX Series Brake Calipers (foot-mounted)

DRAWING
BC180ASX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure ports; 6 holes 0.69 in (17.5 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
1820AX	16050 / 71400	79 / 36	100 / 689	55 / 901	8.0/203	8.3/211	10.8/274	3.0/76	7200 / 9760	13880 / 18800	20550 / 27870	27150 / 36800
1824AX	19200 / 85400	81 / 37	100 / 689	65 / 1065	8.0/203	8.5/216	11/279	2.6/66	8640 / 11700	16650 / 22580	24600 / 33360	32700 / 44350
1830AX	24000 / 106800	83 / 38	100 / 689	92 / 1508	8.0/203	8.9/227	11.4/290	2.3/58	10800 / 9780	20850 / 28300	30750 / 41700	40800 / 55300
1836AX	28800 / 128100	86 / 39	100 / 689	127 / 2081	9.0/229	9.4/239	11.9/302	2.0/51	13000 / 17600	25050 / 33970	37050 / 50200	49000 / 66500

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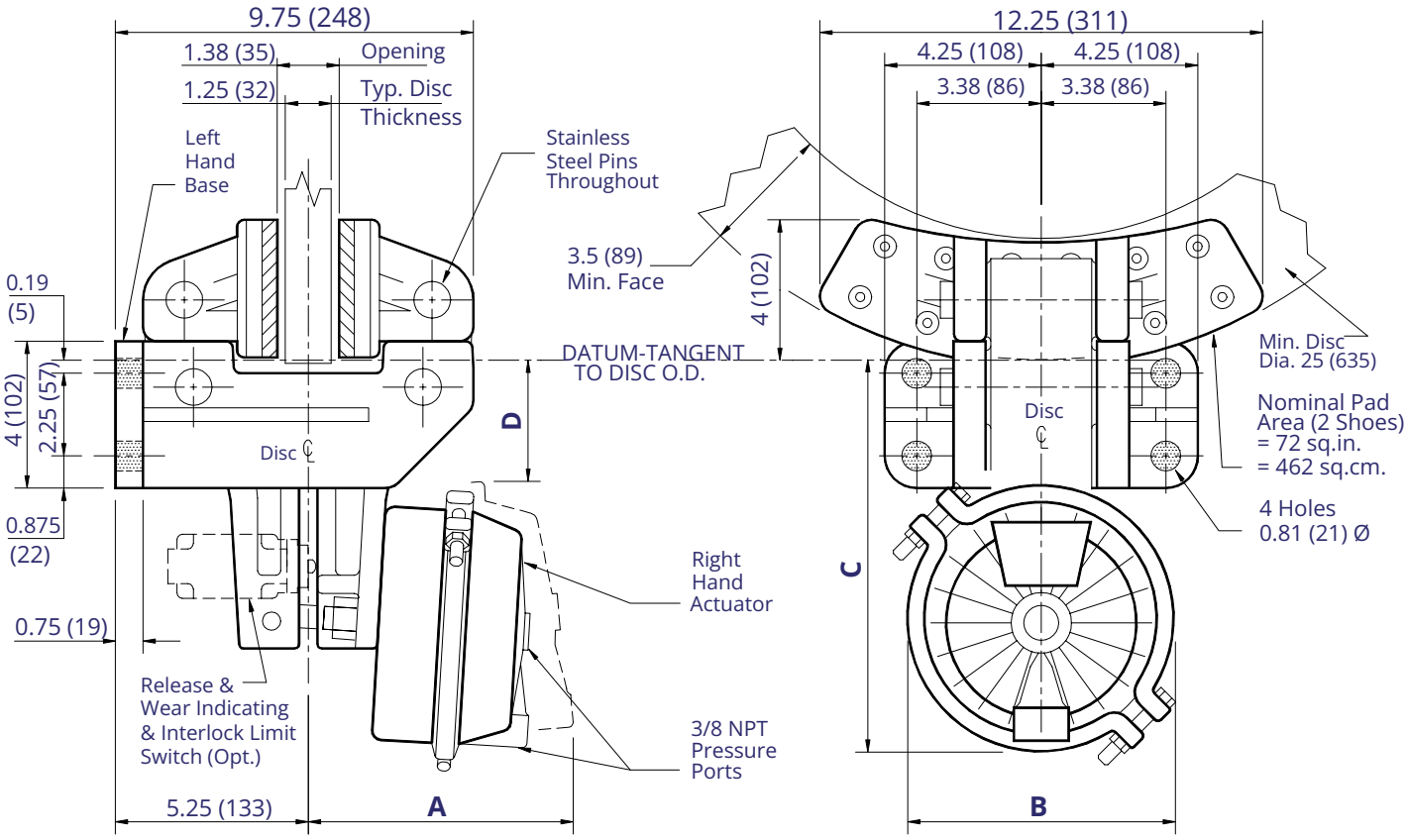
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200ASX Series Brake Calipers (foot-mounted)

DRAWING
BC200ASX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure ports; 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
2020AX	16050 / 71400	79 / 36	100 / 689	55 / 901	8.0/203	8.3/211	10.8/274	3.0/76	7200 / 9760	13880 / 18800	20550 / 27870	27150 / 36800
2024AX	19200 / 85400	81 / 37	100 / 689	65 / 1065	8.0/203	8.5/216	11/279	2.6/66	8640 / 11700	16650 / 22580	24600 / 33360	32700 / 44350
2030AX	24000 / 106800	83 / 38	100 / 689	92 / 1508	8.0/203	8.9/227	11.4/290	2.3/58	10800 / 9780	20850 / 28300	30750 / 41700	40800 / 55300
2036AX	28800 / 128100	86 / 39	100 / 689	127 / 2081	9.0/229	9.4/239	11.9/302	2.0/51	13000 / 17600	25050 / 33970	37050 / 50200	49000 / 66500

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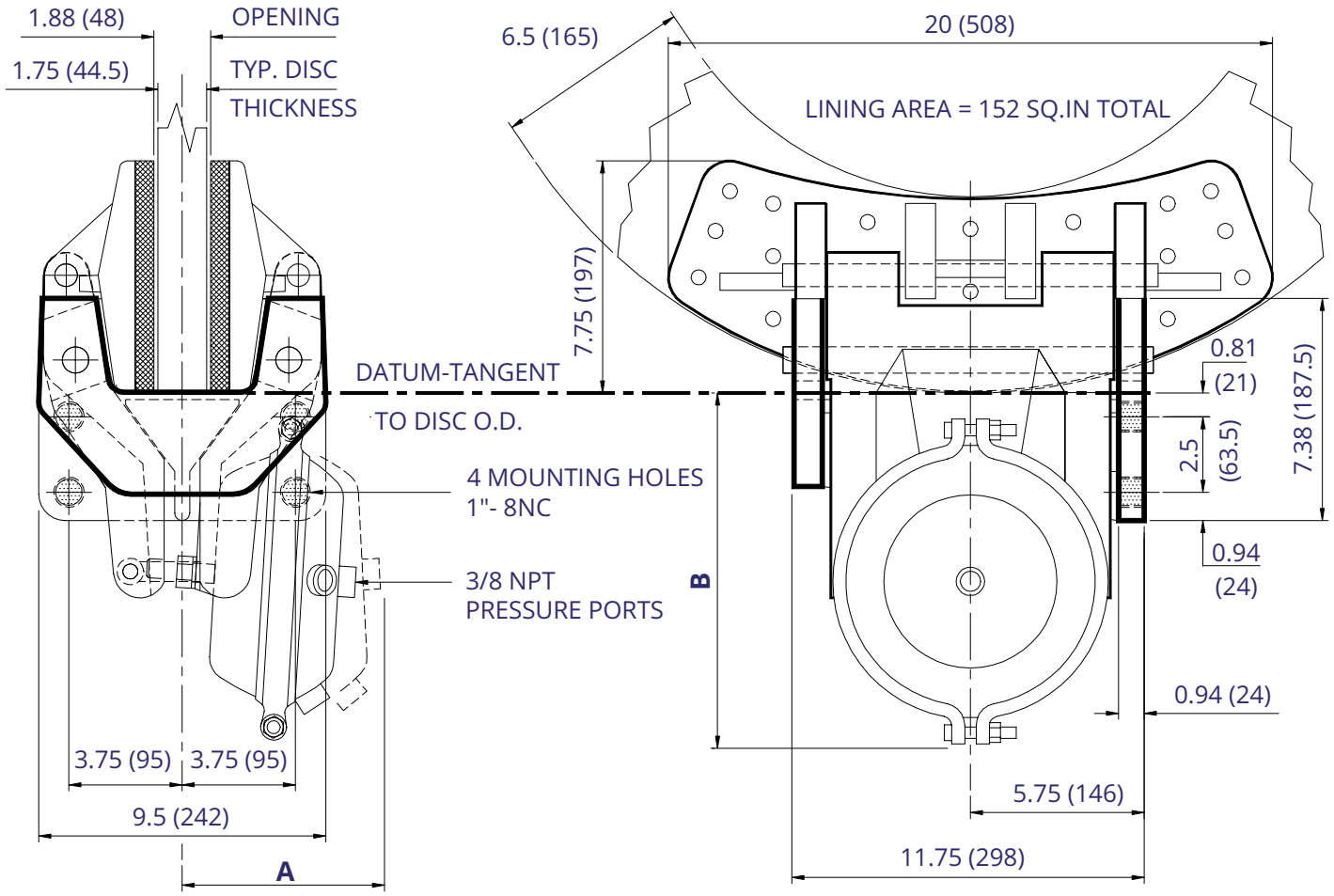
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Y18AS Series Brake Calipers (foot-mounted)

DRAWING
BCY18AS-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 1.75 in (44.5 mm); opening 1.88 in (48 mm)
- 3/8 NPT pressure ports; 4 mounting holes 1"-8NC
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@60/1524	@75/1905
Y1820A	10180 / 45280	182 / 83	100 / 689	55 / 901	4.5/114	10/254	6040 / 8190	8160 / 11070	11350 / 15380	14530 / 19690
Y1824A	12210 / 54310	184 / 84	100 / 689	65 / 1065	5/127	10.5/267	7250 / 9830	9790 / 13270	13610 / 18450	17420 / 18450
Y1830A	15270 / 67920	186 / 85	100 / 689	92 / 1508	5.25/133	11/280	9060 / 12290	12250 / 16600	17020 / 23070	21790 / 29540
Y1836A	18300 / 81400	190 / 87	100 / 689	127 / 2081	6.75/172	11.75/298	10860 / 14700	14680 / 19860	20400 / 27590	26110 / 35330

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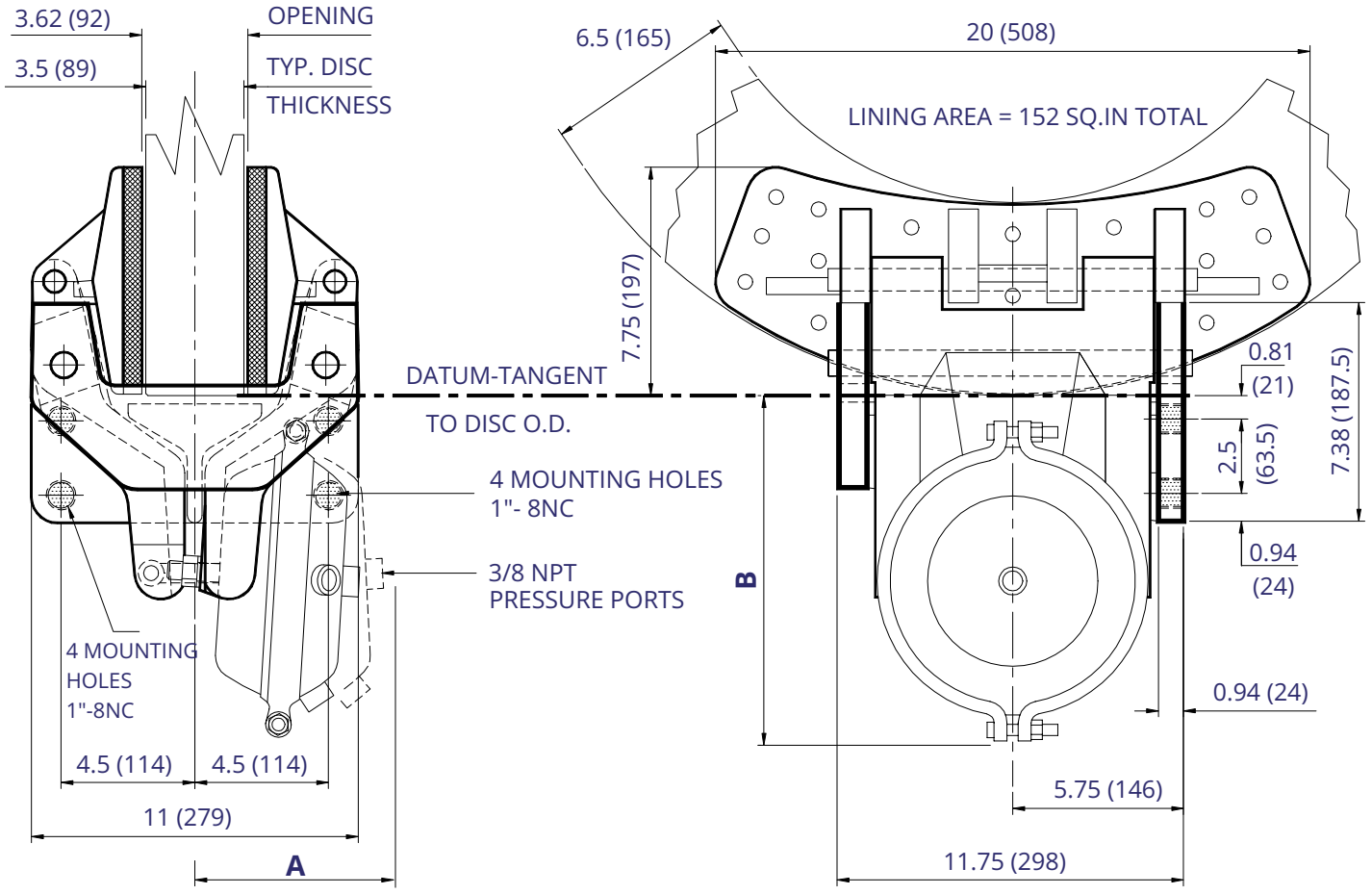
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Y18AS56 Series Brake Calipers (foot-mounted)

DRAWING
BCY18AS56-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 3.5 in (89 mm); opening 3.62 in (92 mm)
- 3/8 NPT pressure ports; 4 mounting holes 1"-8NC (both sides)
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@60/1524	@75/1905
Y1820A56	10180 / 45280	202 / 92	100 / 689	55 / 901	4.5/114	10/254	6040 / 8190	8160 / 11070	11350 / 15380	14530 / 19690
Y1824A56	12210 / 54310	204 / 93	100 / 689	65 / 1065	5/127	10.5/267	7250 / 9830	9790 / 13270	13610 / 18450	17420 / 18450
Y1830A56	15270 / 67920	206 / 94	100 / 689	92 / 1508	5.25/133	11/280	9060 / 12290	12250 / 16600	17020 / 23070	21790 / 29540
Y1836A56	18300 / 81400	211 / 96	100 / 689	127 / 2081	6.75/172	11.75/298	10860 / 14700	14680 / 19860	20400 / 27590	26110 / 35330

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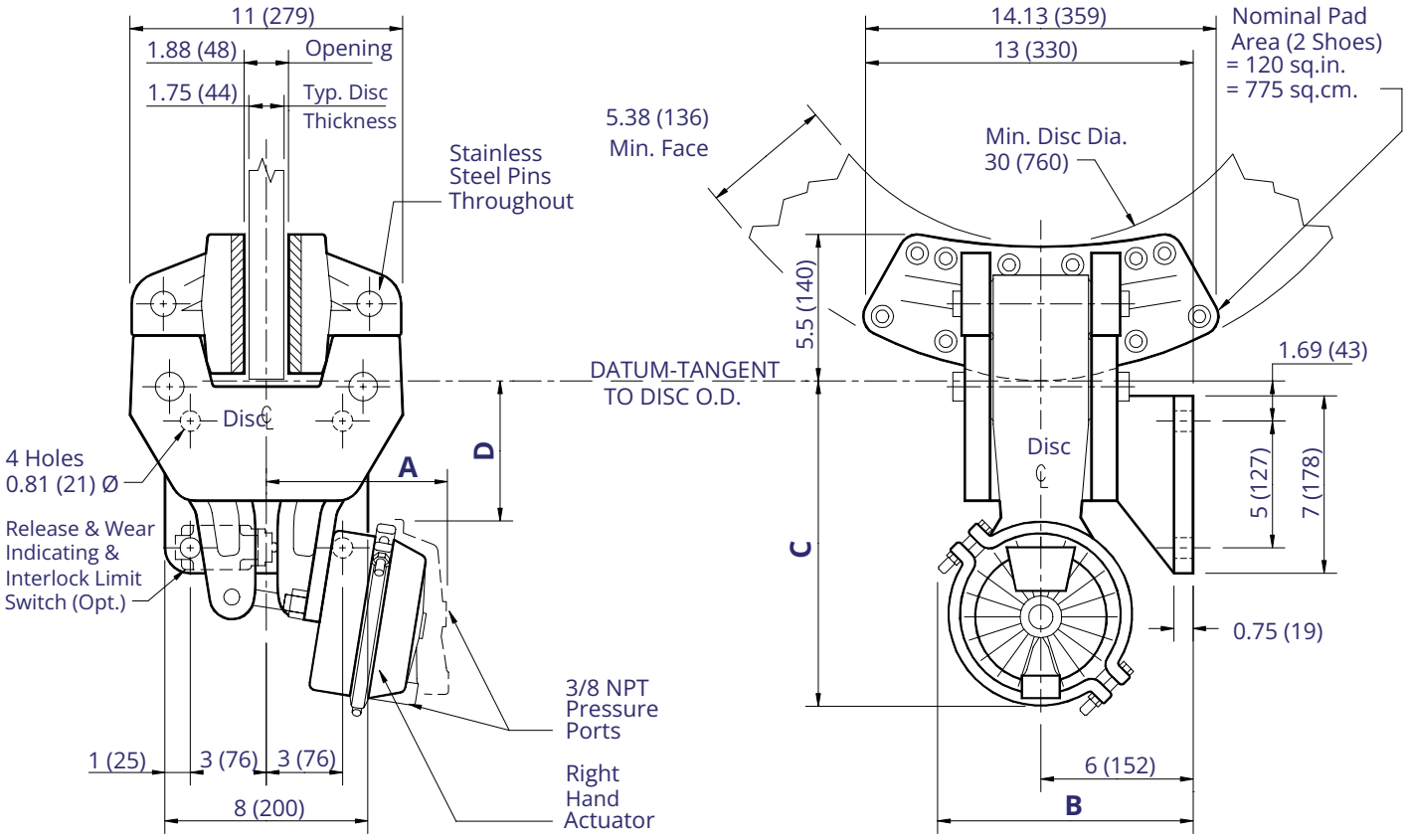
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280AS Series Brake Calipers (foot-mounted)

DRAWING
BC280AS-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 3/8 NPT pressure ports; 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
2824A	12800 / 56900	158 / 72	100 / 689	65 / 1065	7.2/183	9.8/248	13/330	5.5/140	6670 / 9040	12000 / 16300	17300 / 23500	22700 / 30700
2830A	16000 / 71200	160 / 73	100 / 689	92 / 1508	7.2/183	10.2/258	13.4/341	5.1/130	8330 / 11300	15000 / 20300	21700 / 29400	28300 / 38400
2836A	19200 / 85400	163 / 74	100 / 689	127 / 2081	8/202	10.7/271	13.9/353	4.6/117	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
2850A	26700 / 119000	170 / 77	100 / 689	212 / 3474	11.5/292	10.8/274	14.1/358	4.5/114	13900 / 18800	25000 / 33900	36100 / 49000	47200 / 64000

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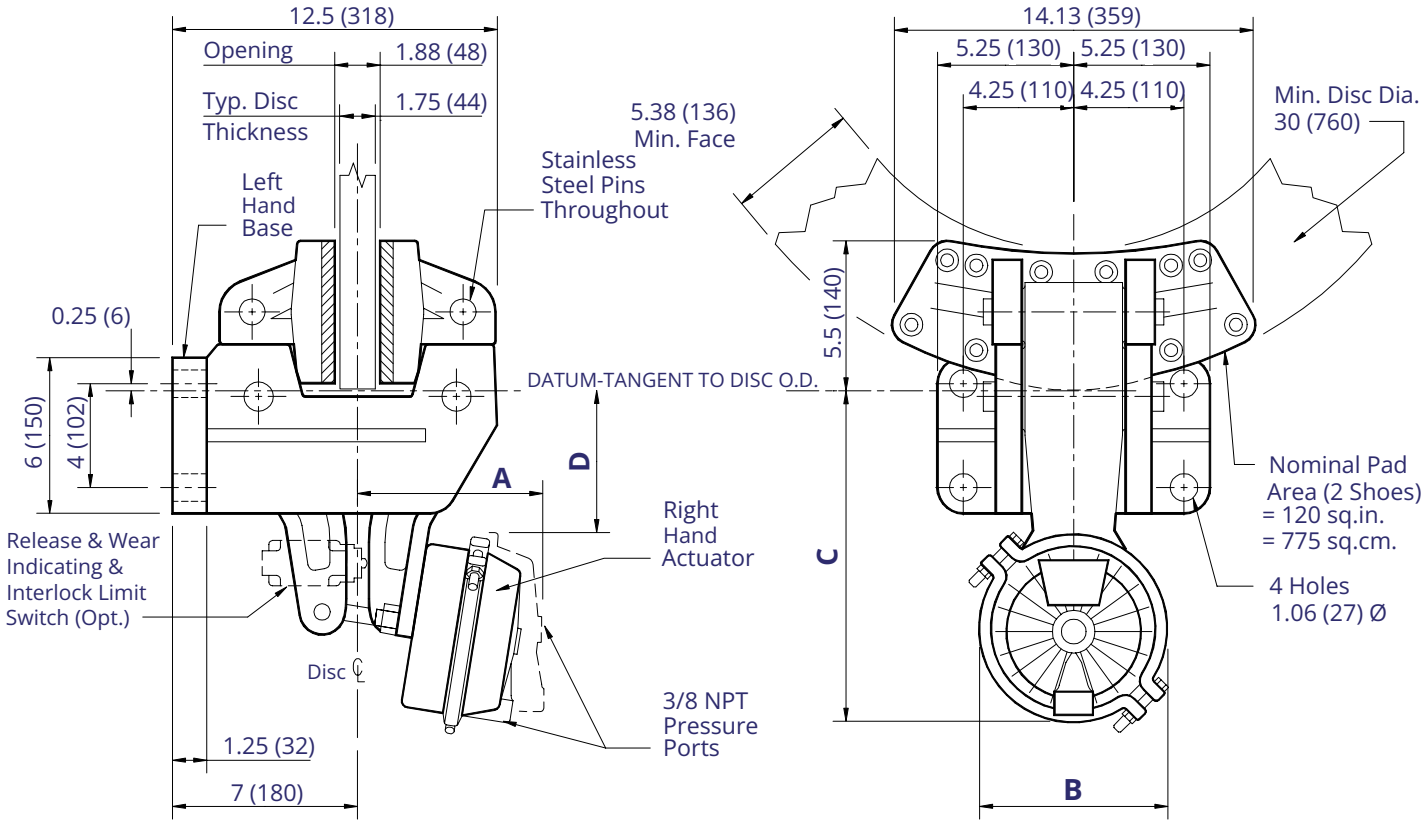
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300AS Series Brake Calipers (side-mounted)

DRAWING
BC300AS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 3/8 NPT pressure ports; 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
3024A	12800 / 56900	154 / 70	100 / 689	65 / 1065	7.2/183	7.2/184	13/330	5.5/140	6670 / 9040	12000 / 16300	17300 / 23500	22700 / 30700
3030A	16000 / 71200	156 / 71	100 / 689	92 / 1508	7.2/183	8.1/205	13.4/341	5.1/130	8330 / 11300	15000 / 20300	21700 / 29400	28300 / 38400
3036A	19200 / 85400	159 / 72	100 / 689	127 / 2081	8/202	9.1/230	13.9/353	4.6/117	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
3050A	26700 / 119000	166 / 75	100 / 689	212 / 3474	11.5/292	9.4/239	14.1/358	4.5/114	13900 / 18800	25000 / 33900	36100 / 49000	47200 / 64000

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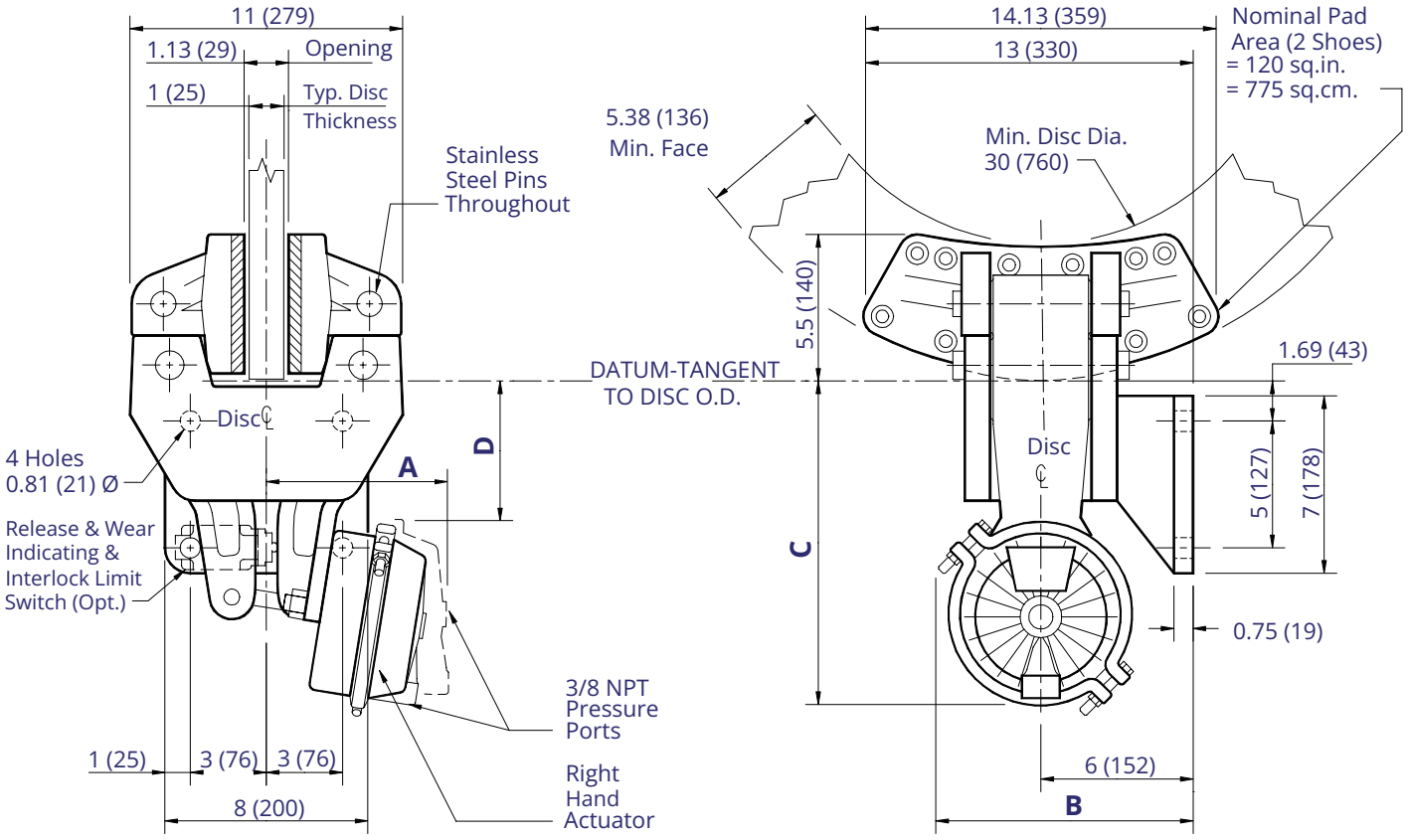
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280ASX Series Brake Calipers (foot-mounted)

DRAWING
BC280ASX-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 3/8 NPT pressure ports; 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
2820AX	16000 / 71200	156 / 71	100 / 689	55 / 901	7.2/183	9.6/244	12.8/325	5.5/140	8330 / 11300	15000 / 20300	21700 / 29400	28300 / 38400
2824AX	19200 / 85400	158 / 72	100 / 689	65 / 1065	7.2/183	9.8/248	13/330	5.3/135	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
2830AX	24000 / 107000	160 / 73	100 / 689	92 / 1508	7.2/183	10.2/258	13.4/341	4.9/124	12500 / 17000	22500 / 30500	32500 / 44100	42500 / 57600
2836AX	28800 / 128000	163 / 74	100 / 689	127 / 2081	8/202	10.7/271	13.9/353	4.4/112	15000 / 20300	27000 / 36600	39000 / 52900	51000 / 69200

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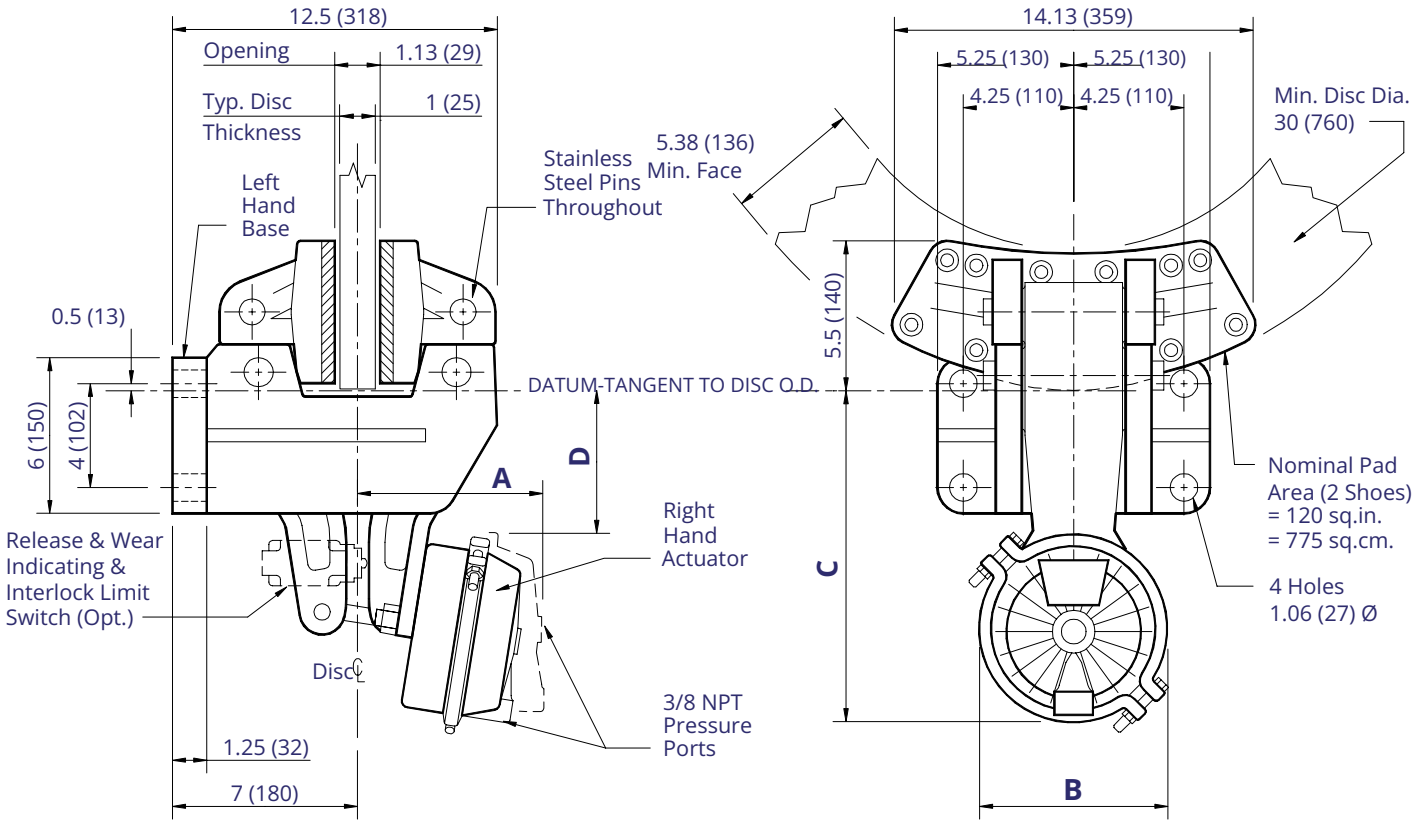
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300ASX Series Brake Calipers (side-mounted)

DRAWING
BC300ASX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 3/8 NPT pressure ports; 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
3020AX	16000 / 71200	152 / 69	100 / 689	55 / 901	7.2/183	6.8/173	12.8/325	5.5/140	8330 / 11300	15000 / 20300	21700 / 29400	28300 / 38400
3024AX	19200 / 85400	154 / 70	100 / 689	65 / 1065	7.2/183	7.2/184	13/330	5.3/135	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
3030AX	24000 / 107000	156 / 71	100 / 689	92 / 1508	7.2/183	8.1/205	13.4/341	4.9/124	12500 / 17000	22500 / 30500	32500 / 44100	42500 / 57600
3036AX	28800 / 128000	159 / 72	100 / 689	127 / 2081	8/202	9.1/230	13.9/353	4.4/112	15000 / 20300	27000 / 36600	39000 / 52900	51000 / 69200

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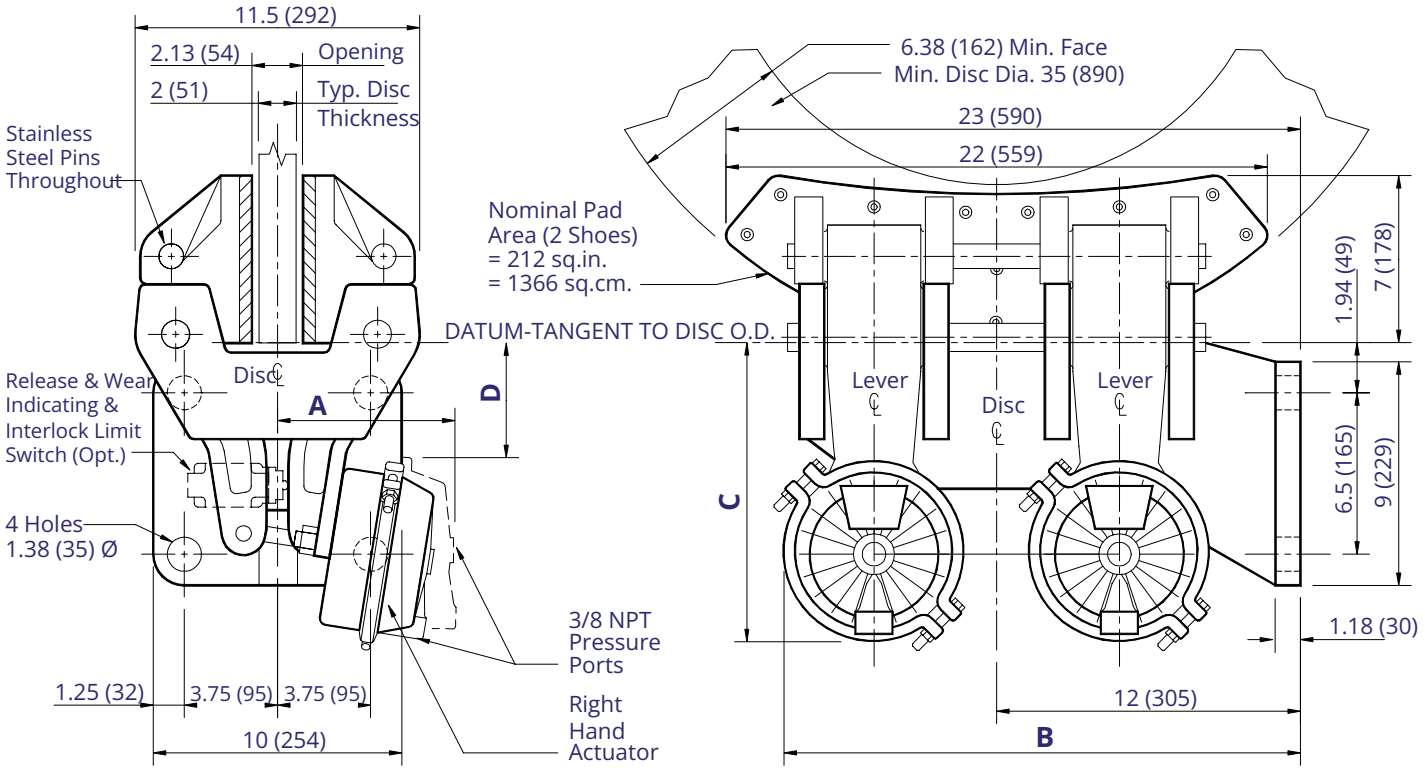
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380AS Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380AS-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm; typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 3/8 NPT pressure ports; 4 holes 1.38 in (35 mm) dia.; twin lever/actuator arrangement
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1905	@95/2410
3824A	25600 / 113800	360 / 164	100 / 689	130 / 2130	7.2/183	21/533	12.2/310	4.6/117	15500 / 21000	26100 / 35400	36800 / 49900	47500 / 64400
3830A	32000 / 142000	364 / 165	100 / 689	184 / 3015	7.2/183	21.4/544	12.6/320	4.2/107	19300 / 26200	32700 / 44300	46000 / 62400	59300 / 80500
3836A	38400 / 171000	370 / 168	100 / 689	254 / 4162	8/202	21.9/556	13.1/333	3.7/94	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
3850A	53300 / 237000	384 / 175	100 / 689	424 / 6948	11.5/292	22/559	13.2/335	3.6/91	32200 / 43700	54400 / 73800	76700 / 10400	98900 / 134000

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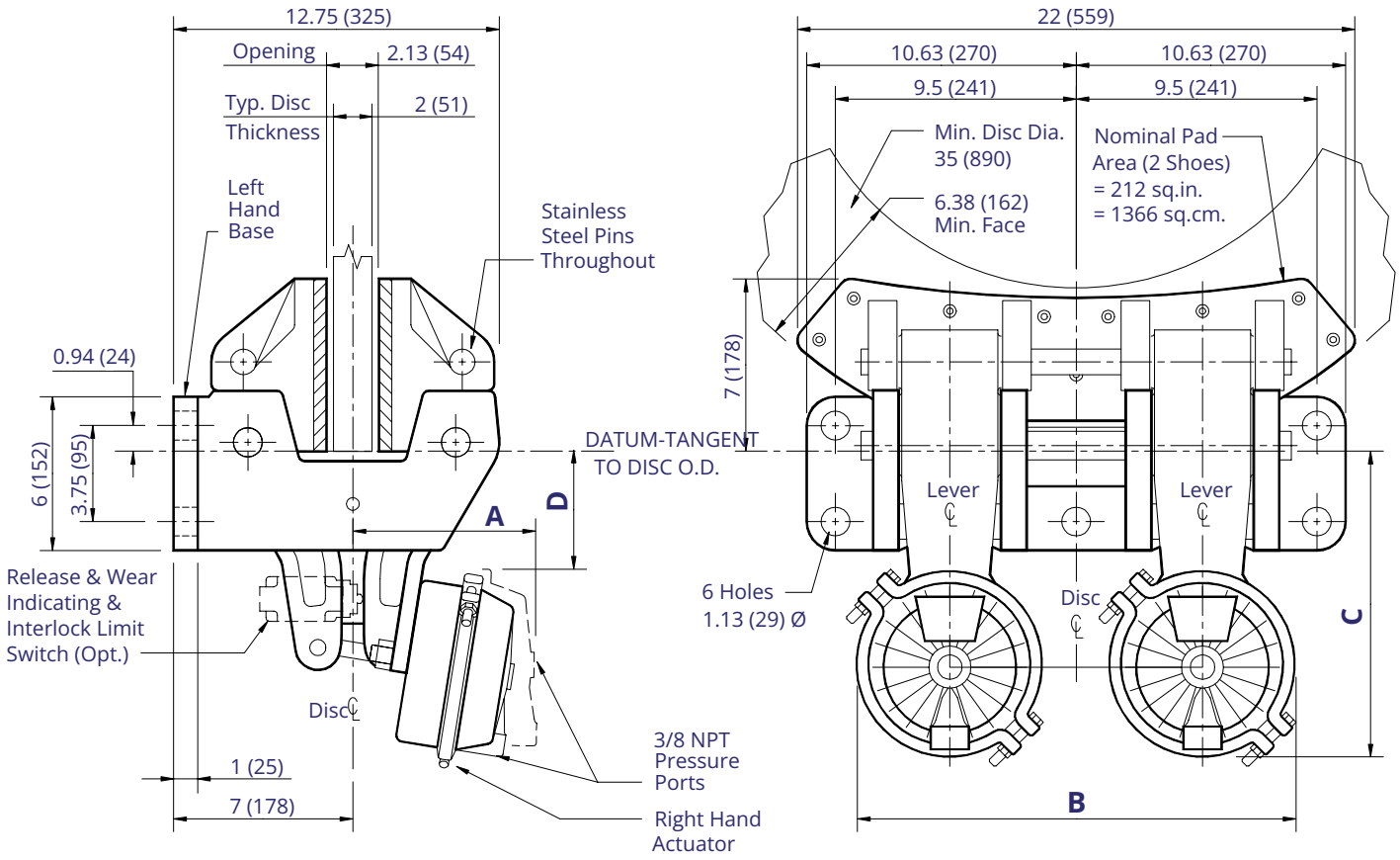
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400AS Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400AS-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure ports; twin lever/actuator arrangement
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1905	@95/2410
4024A	25600 / 114000	360 / 164	100 / 689	130 / 2130	7.2/183	17.2/437	12.2/310	4.6/117	15500 / 21000	26100 / 35400	36800 / 49900	47500 / 64400
4030A	32000 / 142000	364 / 165	100 / 689	184 / 3015	7.2/183	18.1/460	12.6/320	4.2/107	19300 / 26200	32700 / 44300	46000 / 62400	59300 / 80500
4036A	38400 / 171000	370 / 168	100 / 689	254 / 4162	8/202	19.1/485	13.1/333	3.7/94	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
4050A	53300 / 237000	384 / 175	100 / 689	424 / 6948	11.5/292	19.5/495	13.2/335	3.6/91	32200 / 43700	54400 / 73800	76700 / 10400	98900 / 134000

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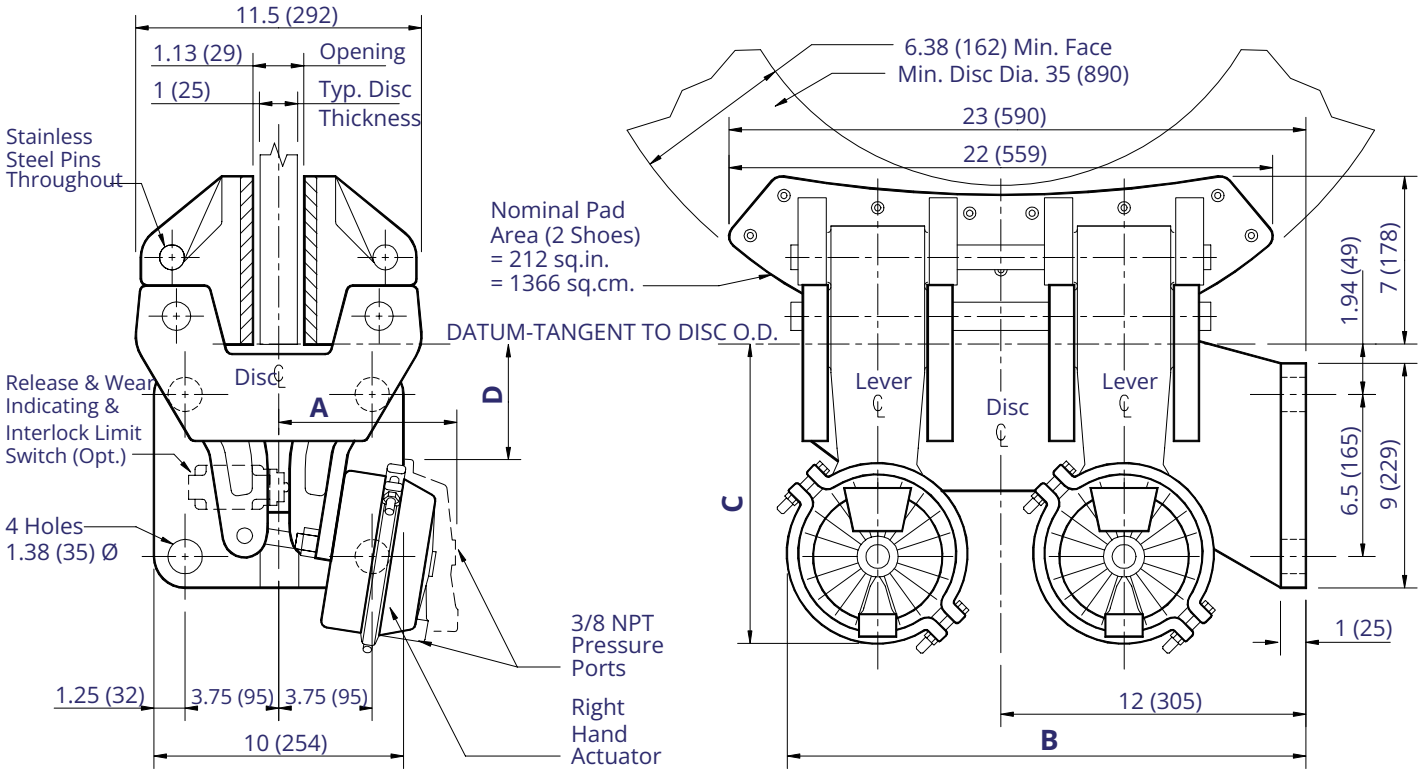
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380ASX Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380ASX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure ports; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.38 in (35 mm) dia.
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1905	@95/2410
3820AX	32000 / 142000	356 / 162	100 / 689	110 / 1803	7.2/183	21/533	12.4/315	4.5/114	19300 / 26200	32700 / 44300	46000 / 62400	59300 / 80500
3824AX	38400 / 171000	360 / 164	100 / 689	130 / 2130	7.2/183	21.4/544	12.6/320	4.3/109	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
3830AX	48000 / 214000	364 / 165	100 / 689	184 / 3015	8/202	21.9/556	13/330	3.9/99	29000 / 39300	49000 / 66400	69000 / 93600	89000 / 121000
3836AX	57600 / 256000	370 / 168	100 / 689	254 / 4162	11.7/297	21.9/556	13.5/343	3.4/86	34800 / 47200	58800 / 79700	82800 / 112000	107000 / 145000

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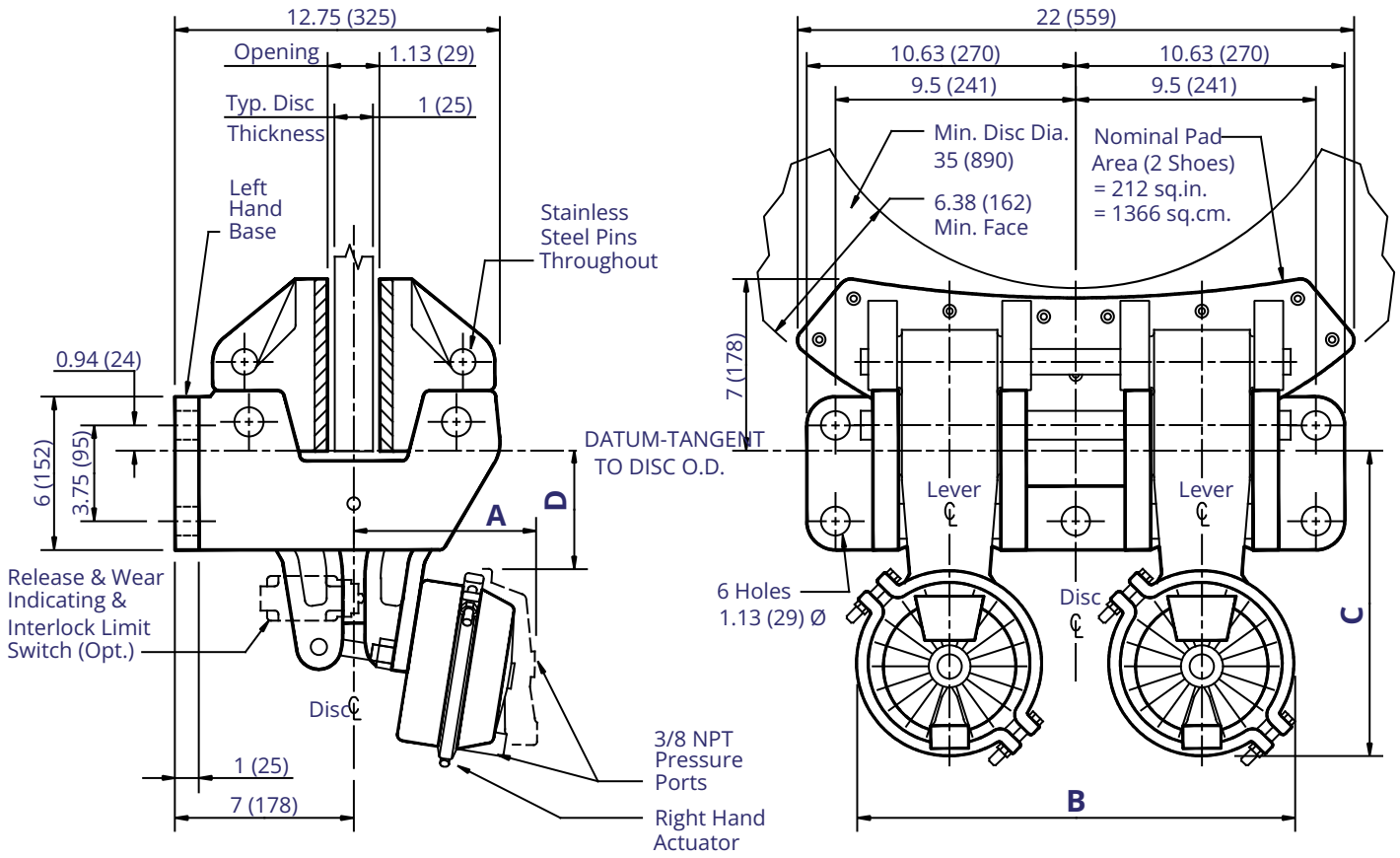
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400ASX Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400ASX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Air-applied & spring-released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure ports; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max applied air pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1905	@95/2410
4020AX	32000 / 142000	356 / 162	100 / 689	110 / 1803	7.2/183	17.2/437	12.4/315	4.5/114	19300 / 26200	32700 / 44300	46000 / 62400	59300 / 80500
4024AX	38400 / 171000	360 / 164	100 / 689	130 / 2130	7.2/183	18.1/460	12.6/320	4.3/109	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
4030AX	48000 / 214000	364 / 165	100 / 689	184 / 3015	8/202	19.1/485	13/330	3.9/99	29000 / 39300	49000 / 66400	69000 / 93600	89000 / 121000
4036AX	57600 / 256000	370 / 168	100 / 689	254 / 4162	11.7/297	19.4/493	13.5/343	3.4/86	34800 / 47200	58800 / 79700	82800 / 112000	107000 / 145000

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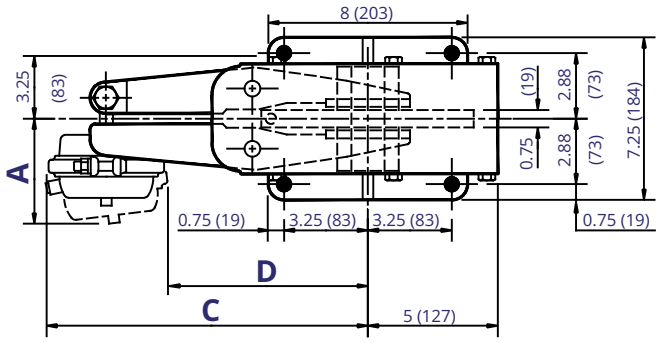
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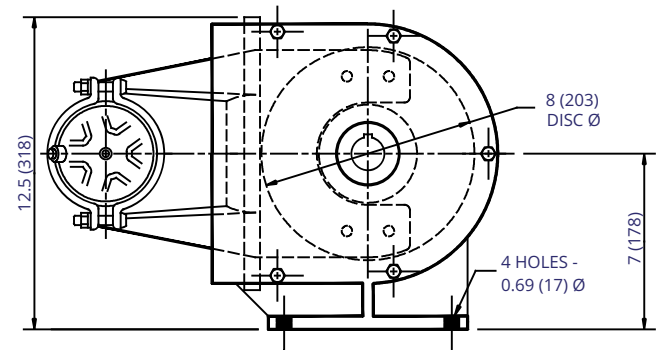
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FB08 / MB08 Series Brake Calipers

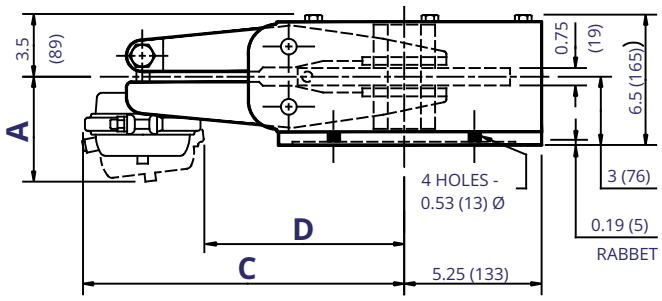
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BM080AS-1.0

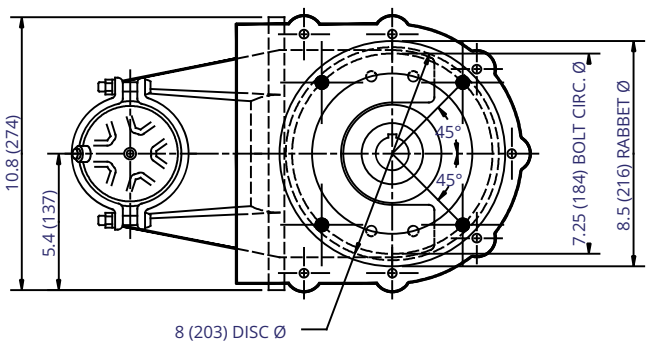
FB08 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB08 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 8 in (203 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 8.5 in (216 mm) dia.; bolt circle 7.25 in (184 mm)

FB & MB model no.	Applied force lb/N	Max air pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB0809A	1800 / 8010	100 / 689	18 / 295	68 / 31	53 / 24	4.8/122	13/330	7.7/196	44 / 60	88 / 120	132 / 179	176 / 239	221 / 299
FB/MB0812A	2400 / 10700	100 / 689	26 / 426	68 / 31	53 / 24	5/127	13.3/338	7.5/191	59 / 80	118 / 159	176 / 239	235 / 319	294 / 399
FB/MB0816A	3200 / 14200	100 / 689	44 / 721	68 / 31	54 / 25	5.3/135	13.5/343	7.2/183	78 / 106	157 / 213	235 / 314	314 / 425	392 / 532

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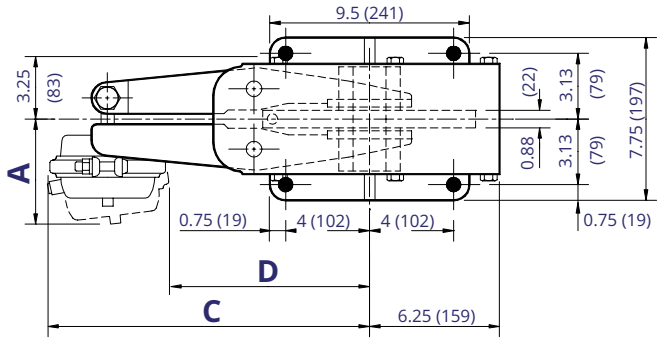
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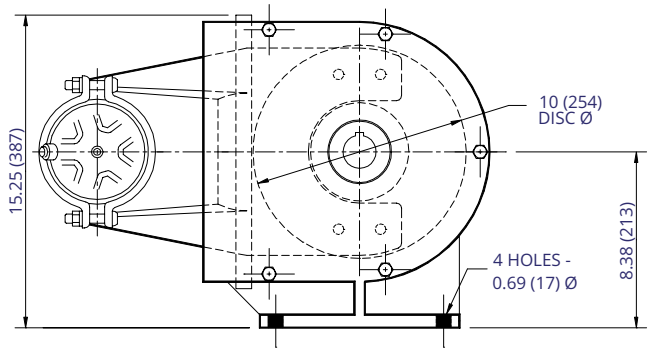
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FB10 / MB10 Series Brake Calipers

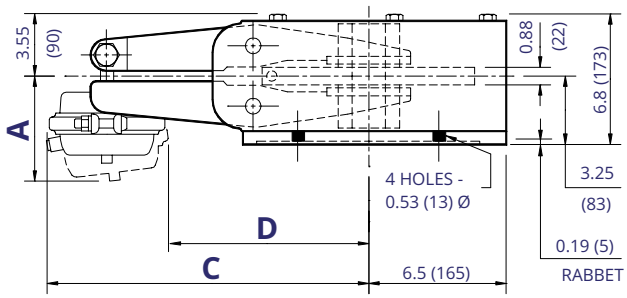
DRAWING
BM100AS-1.0

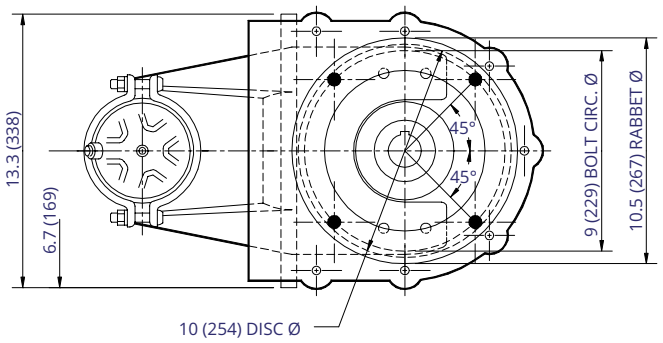
FB10 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB10 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 10 in (254 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 10.5 in (267 mm) dia.; bolt circle 9 in (229 mm)

FB & MB model no.	Applied force lb/N	Max air pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1009A	2400 / 10700	100 / 689	18 / 295	116 / 53	86 / 39	4.8/122	15/381	9.7/246	74 / 100	148 / 200	221 / 300	295 / 400	369 / 500
FB/MB1012A	3200 / 14200	100 / 689	26 / 426	116 / 53	86 / 39	5/127	15.3/389	9.5/241	98 / 133	197 / 267	295 / 400	394 / 534	492 / 667
FB/MB1016A	4270 / 19000	100 / 689	44 / 721	117 / 53	87 / 40	5.3/135	15.5/394	9.2/234	131 / 178	262 / 356	394 / 534	525 / 712	656 / 889

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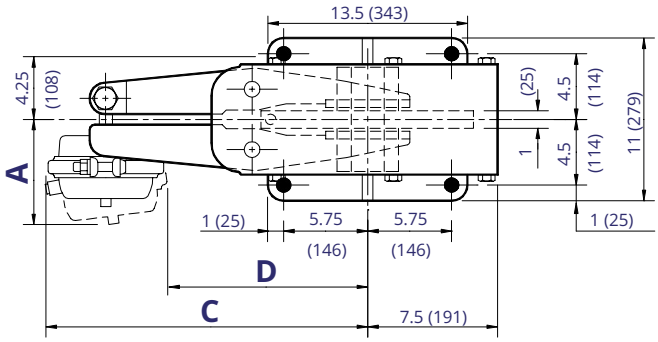
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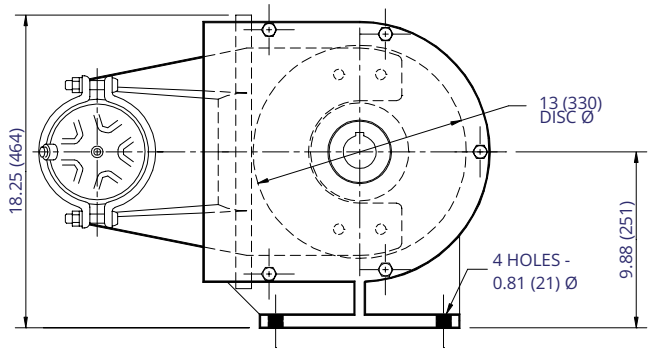
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FB13 / MB13 Series Brake Calipers

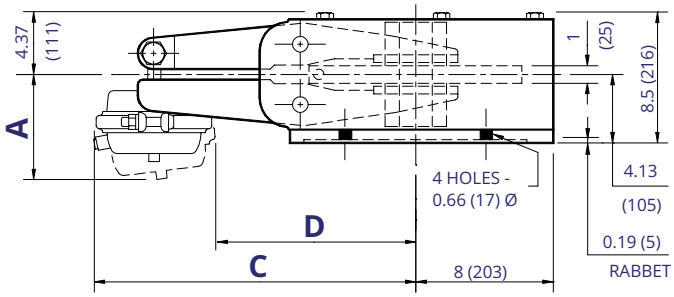
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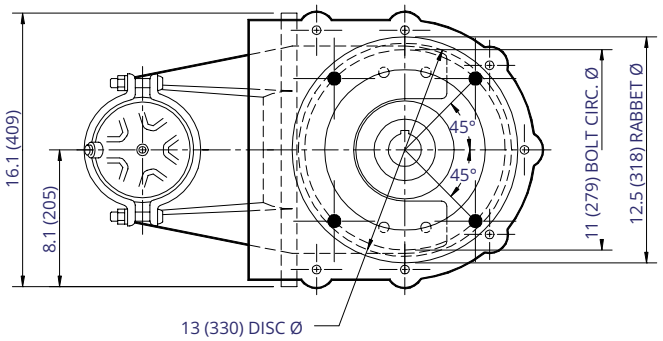
FB13 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB13 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 13 in (330 mm)
- FB: 4 holes 0.81 in (21 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 12.5 in (318 mm) dia.; bolt circle 11 in (279 mm)

FB & MB model no.	Applied force lb/N	Max air pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1320A	6670 / 29700	100 / 689	55 / 901	243 / 110	178 / 81	6.5/165	18.8/478	11.1/282	274 / 372	549 / 744	823 / 1120	1100 / 1490	1370 / 1860
FB/MB1324A	8000 / 35600	100 / 689	65 / 1070	245 / 111	180 / 82	6.7/170	19/483	10.9/277	329 / 447	659 / 893	988 / 1340	1320 / 1790	1650 / 2230
FB/MB1330A	10000 / 44500	100 / 689	92 / 1510	247 / 112	182 / 83	6.9/175	19.4/493	10.7/272	412 / 558	823 / 1120	1240 / 1680	1650 / 2230	2060 / 2790

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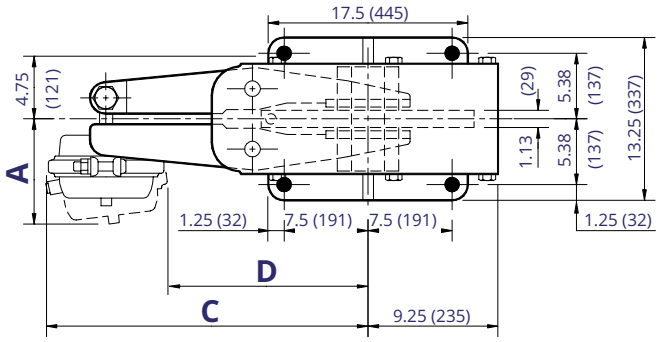
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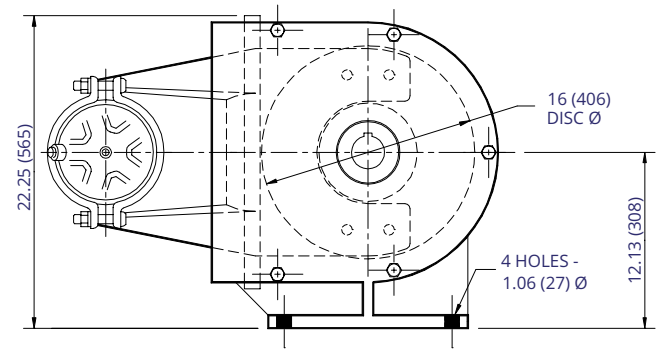
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FB16 / MB16 Series Brake Calipers

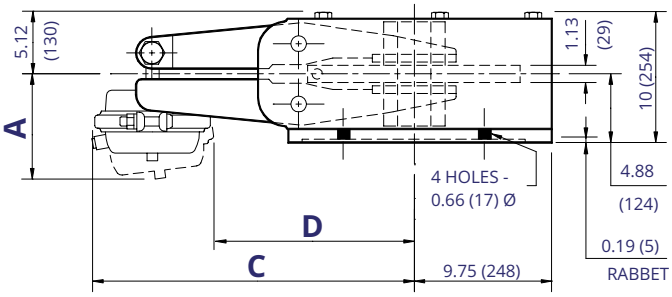
DRAWING
BM160AS-1.0

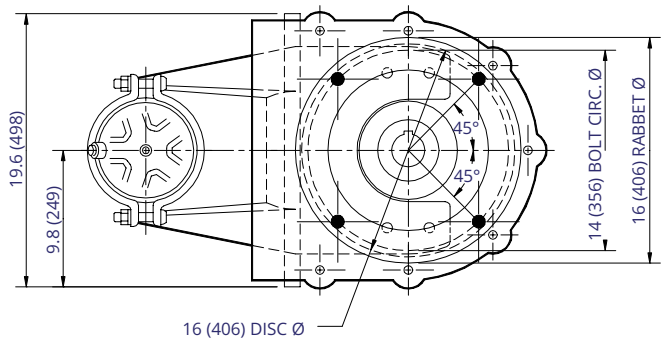
FB16 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB16 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Air-applied & spring-released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 16 in (406 mm)
- FB: 4 holes 1.06 in (27 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 16 in (406 mm) dia.; bolt circle 14 in (356 mm)

FB & MB model no.	Applied force lb/N	Max air pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1620A	8000 / 35600	100 / 689	55 / 901	458 / 208	313 / 142	6.8/173	21.8/554	14/356	400 / 542	800 / 1090	1200 / 1630	1600 / 2170	2000 / 2710
FB/MB1624A	9600 / 42700	100 / 689	65 / 1070	460 / 209	315 / 143	7/178	22/559	13.8/351	480 / 651	960 / 1300	1440 / 1950	1920 / 2600	2400 / 3250
FB/MB1630A	12000 / 53400	100 / 689	92 / 1510	462 / 210	317 / 144	7.2/183	22.4/569	13.4/340	600 / 814	1200 / 1630	1800 / 2440	2400 / 3250	3000 / 4070
FB/MB1636A	14400 / 64100	100 / 689	127 / 2080	465 / 211	320 / 145	7.4/188	22.9/582	12.9/328	720 / 976	1440 / 1950	2160 / 2930	2880 / 3910	3600 / 4880

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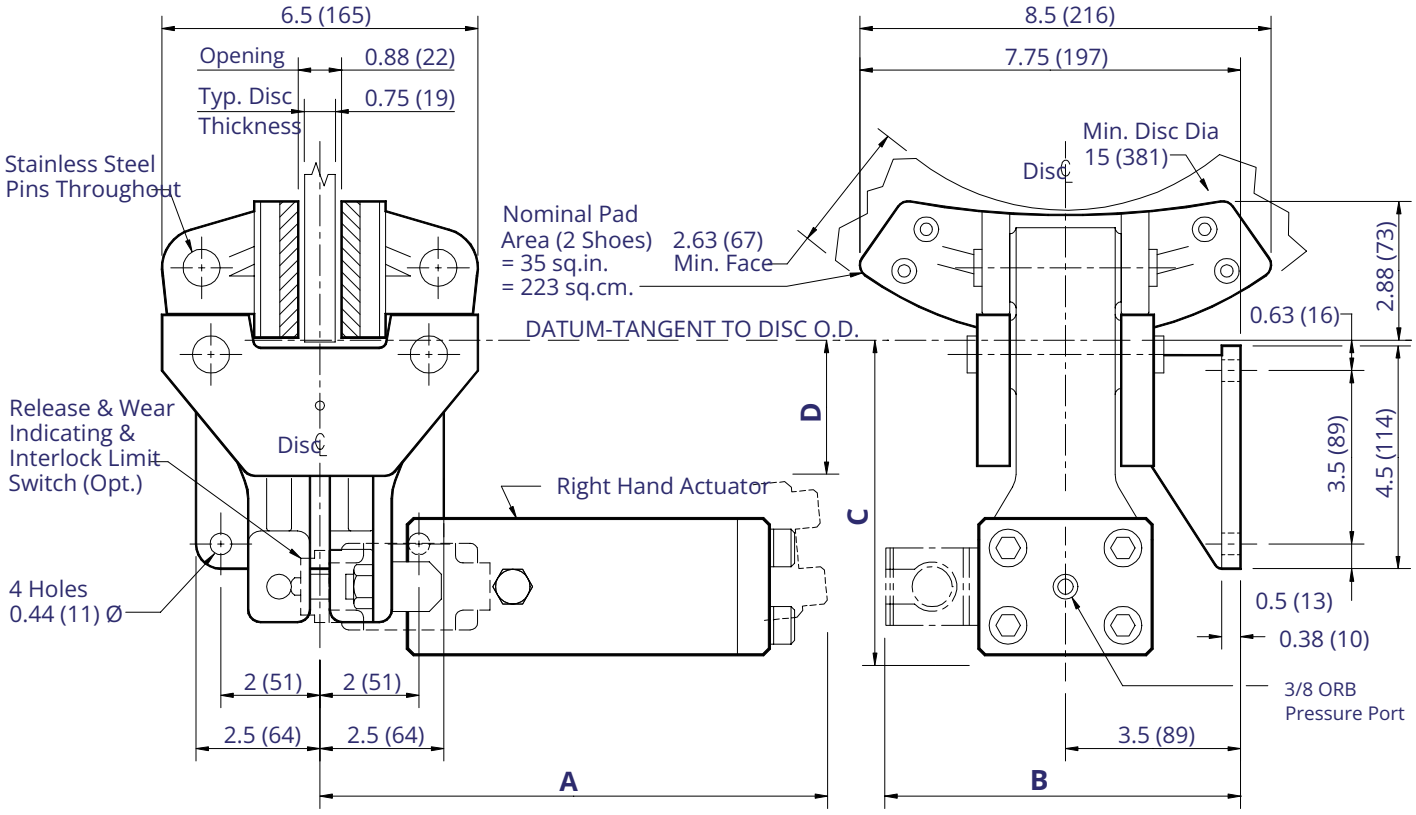
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80HS Series Brake Calipers (foot-mounted)

DRAWING
BC080HS-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring returned/released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 ORB pressure port; 4 holes 0.44 in (11 mm) dia.
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
809H	4900 / 21820	38 / 17	1000 / 6890	4.4 / 72	10.3/260	7.7/195	6.3/160	2.7/68	1250 / 1700	3300 / 4480	5340 / 7250	7380 / 10030
812H	6050 / 26920	42 / 19	1000 / 6890	6.0 / 99	10.3/260	7.7/195	6.3/160	2.7/68	1560 / 2110	4080 / 5530	6600 / 8960	9120 / 12380
816H	7330 / 32610	46 / 21	1000 / 6890	7.0 / 115	10.3/260	7.7/195	6.3/160	2.7/68	1890 / 2560	4940 / 6710	8000 / 10850	11050 / 15000

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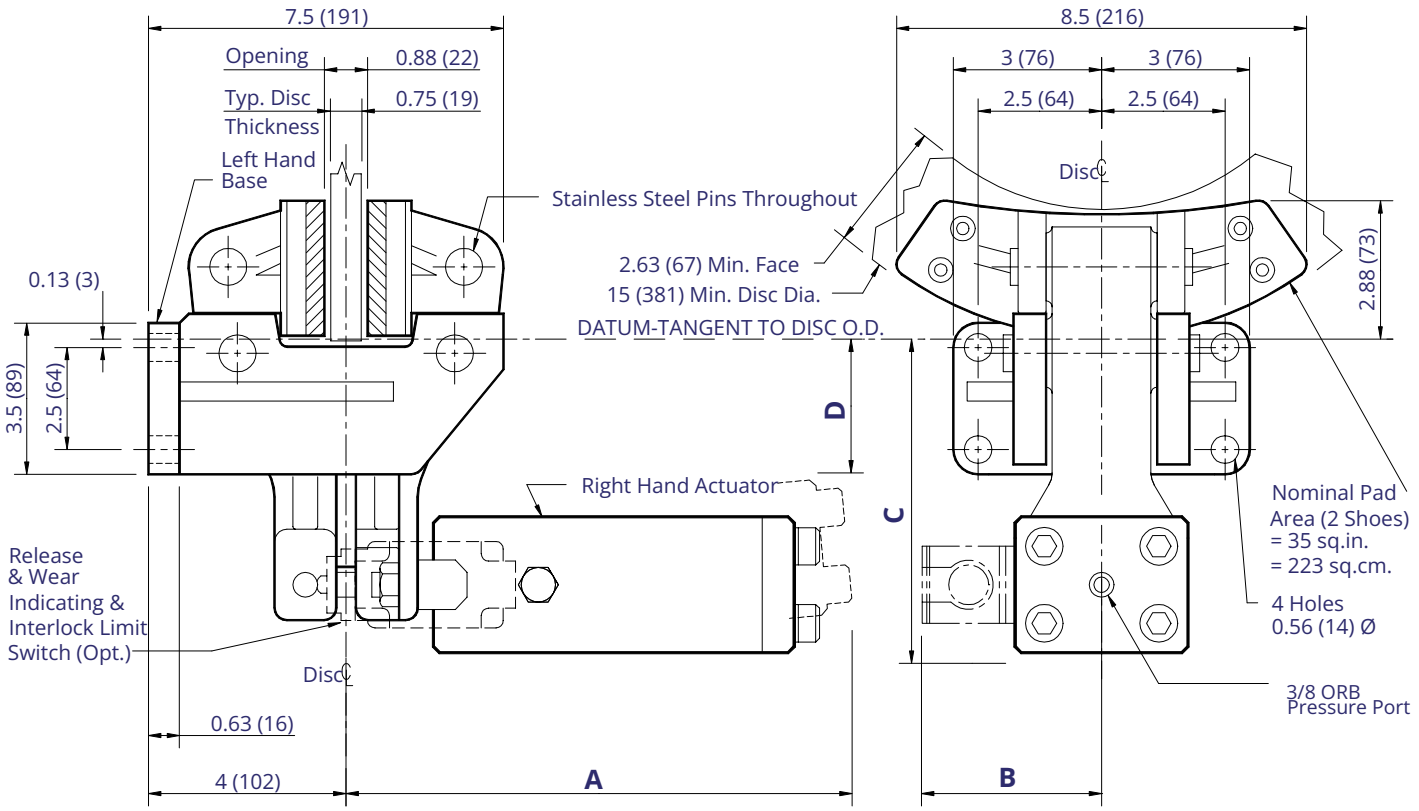
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100HS Series Brake Calipers (foot-mounted)

DRAWING
BC100HS-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 100SH Series not available in LH/LH or RH/RH models

- Hydraulic-applied & spring returned/released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering

- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 ORB pressure port; 4 holes 0.56 in (14 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
1009H	4900 / 21820	38 / 17	1000 / 6890	4.4 / 72	10.3/260	4.2/107	6.3/160	2.7/68	1250 / 1700	3300 / 4480	5340 / 7250	7380 / 10030
1012H	6050 / 26920	42 / 19	1000 / 6890	6.0 / 99	10.3/260	4.2/107	6.3/160	2.7/68	1560 / 2110	4080 / 5530	6600 / 8960	9120 / 12380
1016H	7330 / 32610	46 / 21	1000 / 6890	7.0 / 115	10.3/260	4.2/107	6.3/160	2.7/68	1890 / 2560	4940 / 6710	8000 / 10850	11050 / 15000

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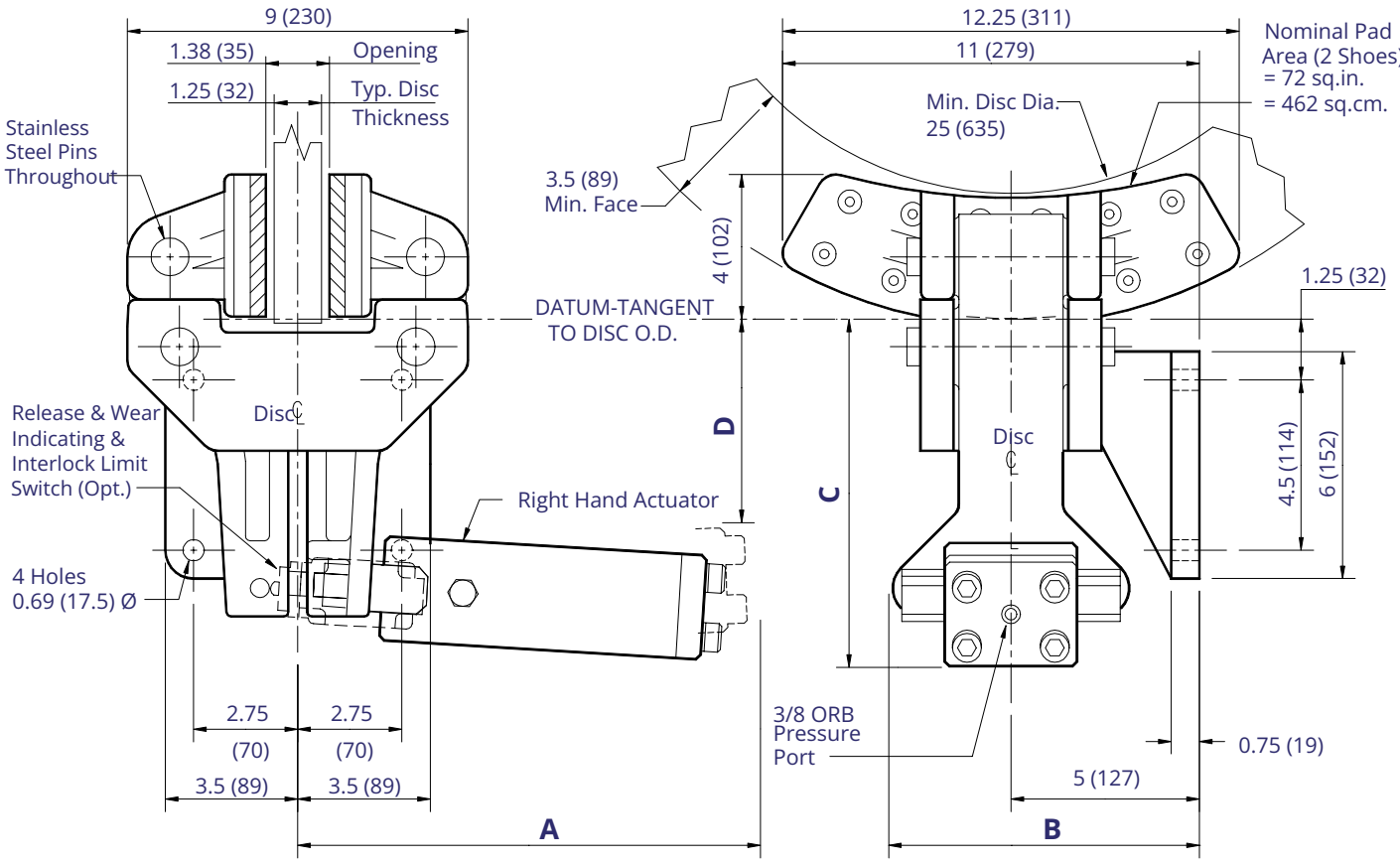
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180HS Series Brake Calipers (side-mounted)

DRAWING
BC180HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring returned/released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 ORB pressure port; 4 holes 0.69 in (17.5 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
1820H	8730 / 38800	90 / 41	1000 / 6890	4 / 65	11/279	8/203	8.7/221	5.6/142	3930 / 5330	7570 / 10300	11200 / 15200	14800 / 20100
1824H	11900 / 52900	95 / 43	1000 / 6890	6 / 99	11.5/292	8/203	9/229	5.3/135	5350 / 7260	10300 / 14000	15300 / 20700	20200 / 27400
1830H	15500 / 69000	102 / 46	1000 / 6890	8.6 / 142	12/305	8/203	9.2/234	5.1/130	6990 / 9480	13500 / 18300	19900 / 27000	26400 / 35800
1836H	19600 / 87400	108 / 49	1000 / 6890	11.9 / 195	12.5/318	8/203	9.5/241	4.8/122	8850 / 12000	17000 / 23100	25200 / 34200	33400 / 45300

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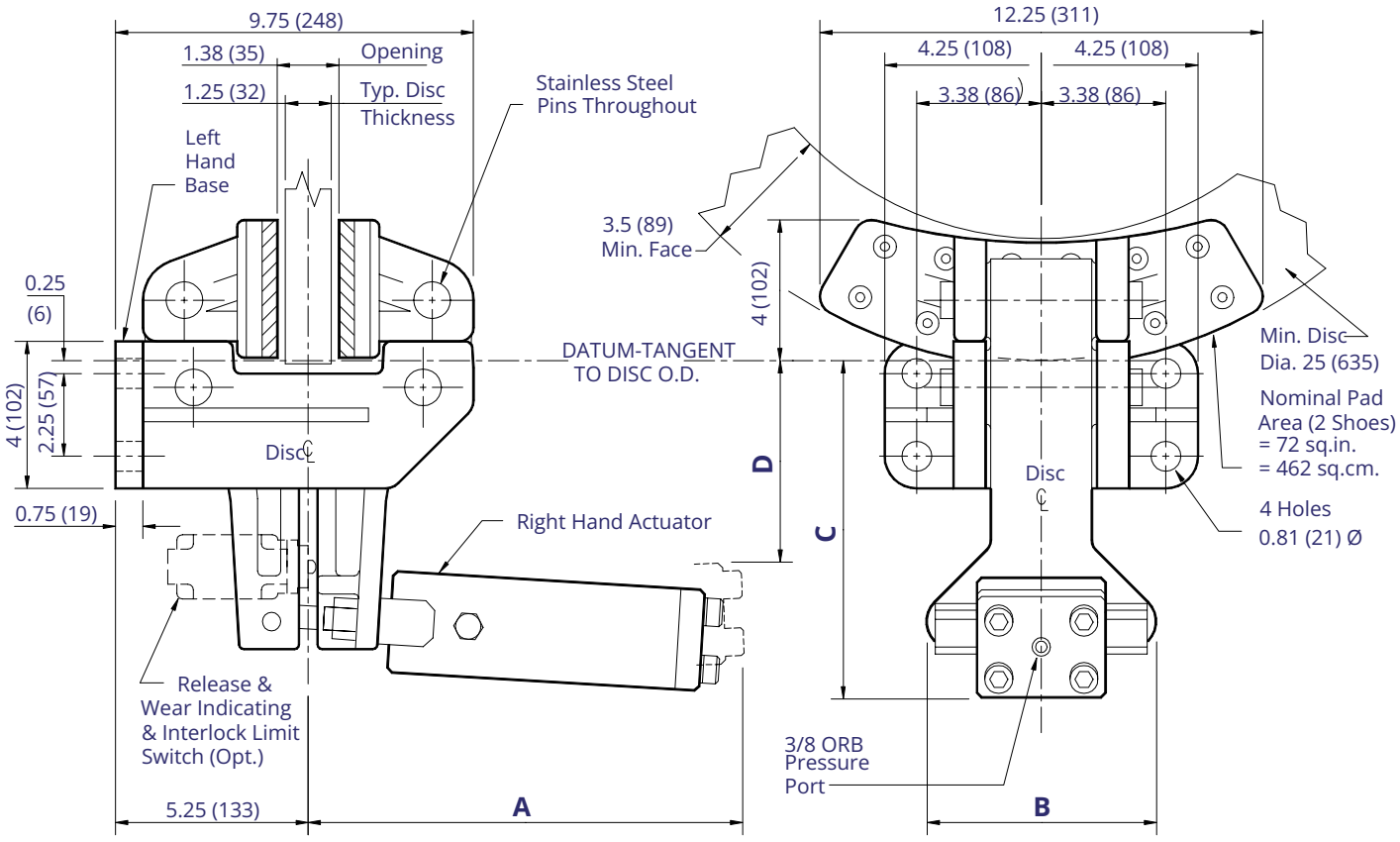
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200HS Series Brake Calipers (side-mounted)

DRAWING
BC200HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring returned/released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 ORB pressure port; 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
2020H	8730 / 38800	90 / 41	1000 / 6890	4 / 65	11/279	6.3/160	8.7/221	5.6/142	3930 / 5330	7570 / 10300	11200 / 15200	14800 / 20100
2024H	11900 / 52900	95 / 43	1000 / 6890	6 / 99	11.5/292	6.3/160	9/229	5.3/135	5350 / 7260	10300 / 14000	15300 / 20700	20200 / 27400
2030H	15500 / 69000	102 / 46	1000 / 6890	8.6 / 142	12/305	6.3/160	9.2/234	5.1/130	6990 / 9480	13500 / 18300	19900 / 27000	26400 / 35800
2036H	19600 / 87400	108 / 49	1000 / 6890	11.9 / 195	12.5/318	6.3/160	9.5/241	4.8/122	8850 / 12000	17000 / 23100	25200 / 34200	33400 / 45300

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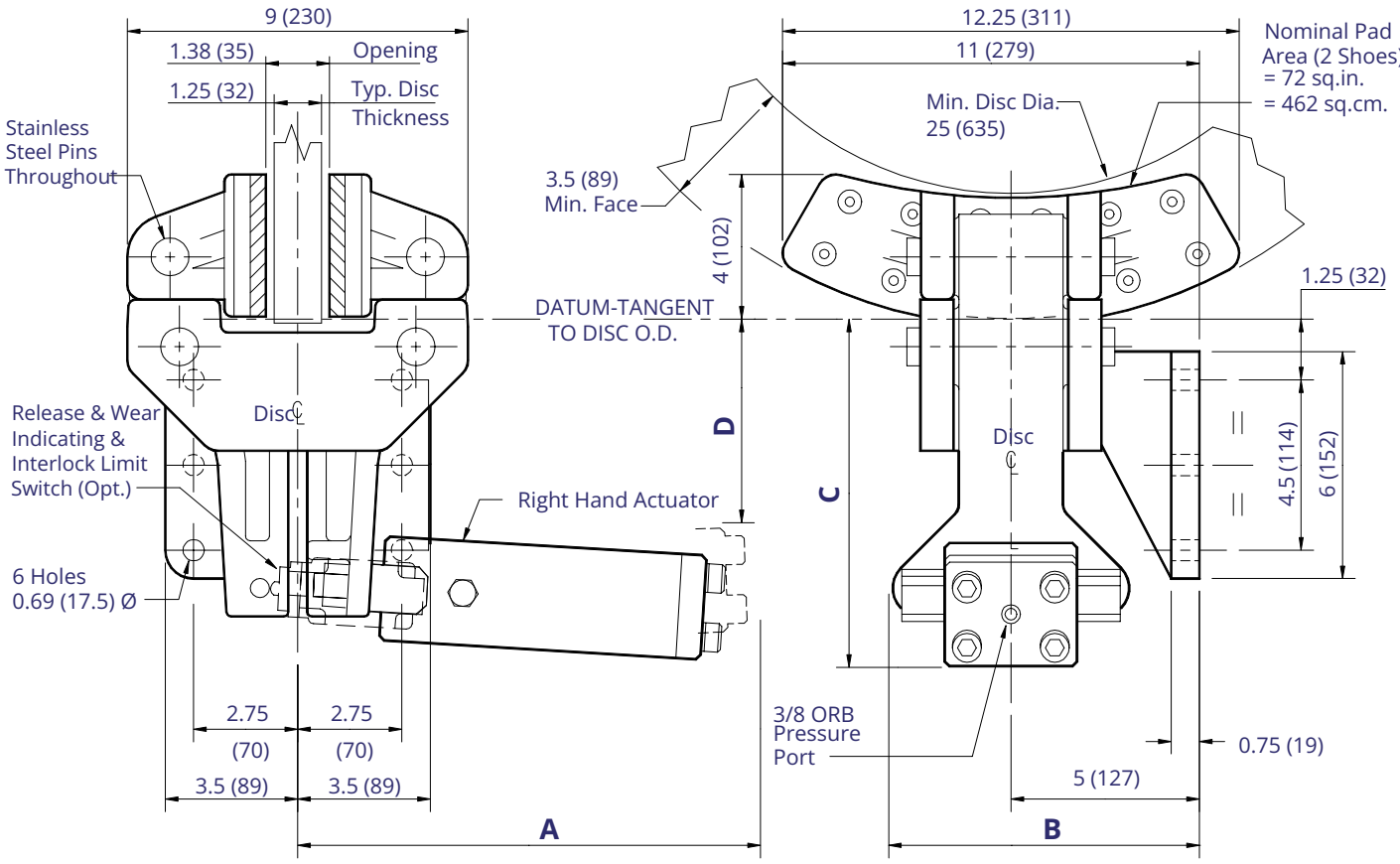
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180HSX Series Brake Calipers (side-mounted)

DRAWING
BC180HSX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 ORB pressure port
- 6 holes 0.69 in (17.5 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
1820HX	16050 / 71400	90 / 41	1000 / 6890	4 / 65	8.0/203	8.3/211	10.8/274	3.0/76	7200 / 9760	13880 / 18800	20550 / 27870	27150 / 36800
1824HX	19200 / 85400	95 / 43	1000 / 6890	6 / 99	8.0/203	8.5/216	11/279	2.6/66	8640 / 11700	16650 / 22580	24600 / 33360	32700 / 44350
1830HX	24000 / 106800	102 / 46	1000 / 6890	8.6 / 142	8.0/203	8.9/227	11.4/290	2.3/58	10800 / 9780	20850 / 28300	30750 / 41700	40800 / 55300
1836HX	28800 / 128100	108 / 49	1000 / 6890	11.9 / 195	9.0/229	9.4/239	11.9/302	2.0/51	13000 / 17600	25050 / 33970	37050 / 50200	49000 / 66500

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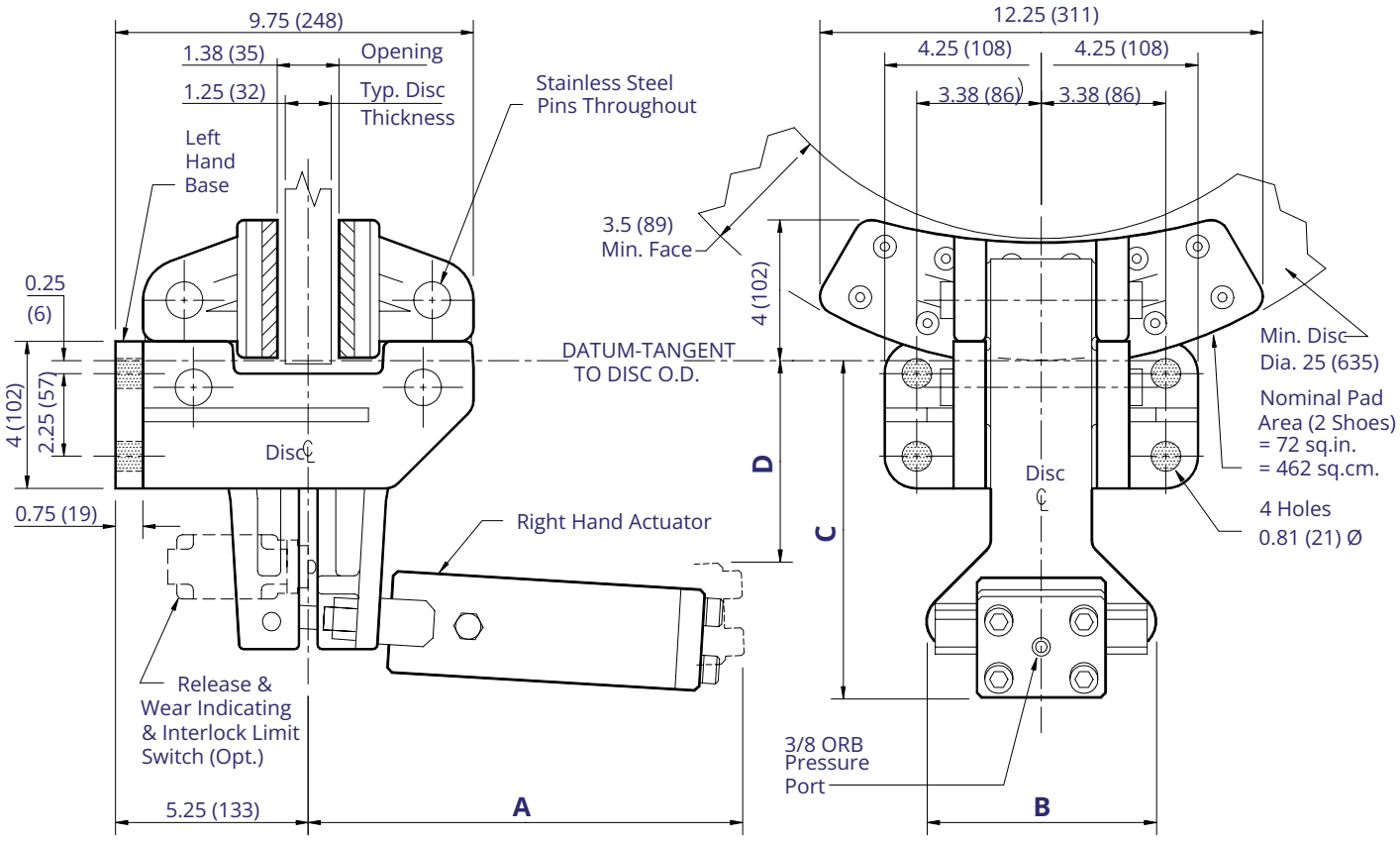
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200HSX Series Brake Calipers (side-mounted)

DRAWING
BC200HSX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 ORB pressure port
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
2020HX	16050 / 71400	90 / 41	1000 / 6890	4 / 65	8.0/203	8.3/211	10.8/274	3.0/76	7200 / 9760	13880 / 18800	20550 / 27870	27150 / 36800
2024HX	19200 / 85400	95 / 43	1000 / 6890	6 / 99	8.0/203	8.5/216	11/279	2.6/66	8640 / 11700	16650 / 22580	24600 / 33360	32700 / 44350
2030HX	24000 / 106800	102 / 46	1000 / 6890	8.6 / 142	8.0/203	8.9/227	11.4/290	2.3/58	10800 / 9780	20850 / 28300	30750 / 41700	40800 / 55300
2036HX	28800 / 128100	108 / 49	1000 / 6890	11.9 / 195	9.0/229	9.4/239	11.9/302	2.0/51	13000 / 17600	25050 / 33970	37050 / 50200	49000 / 66500

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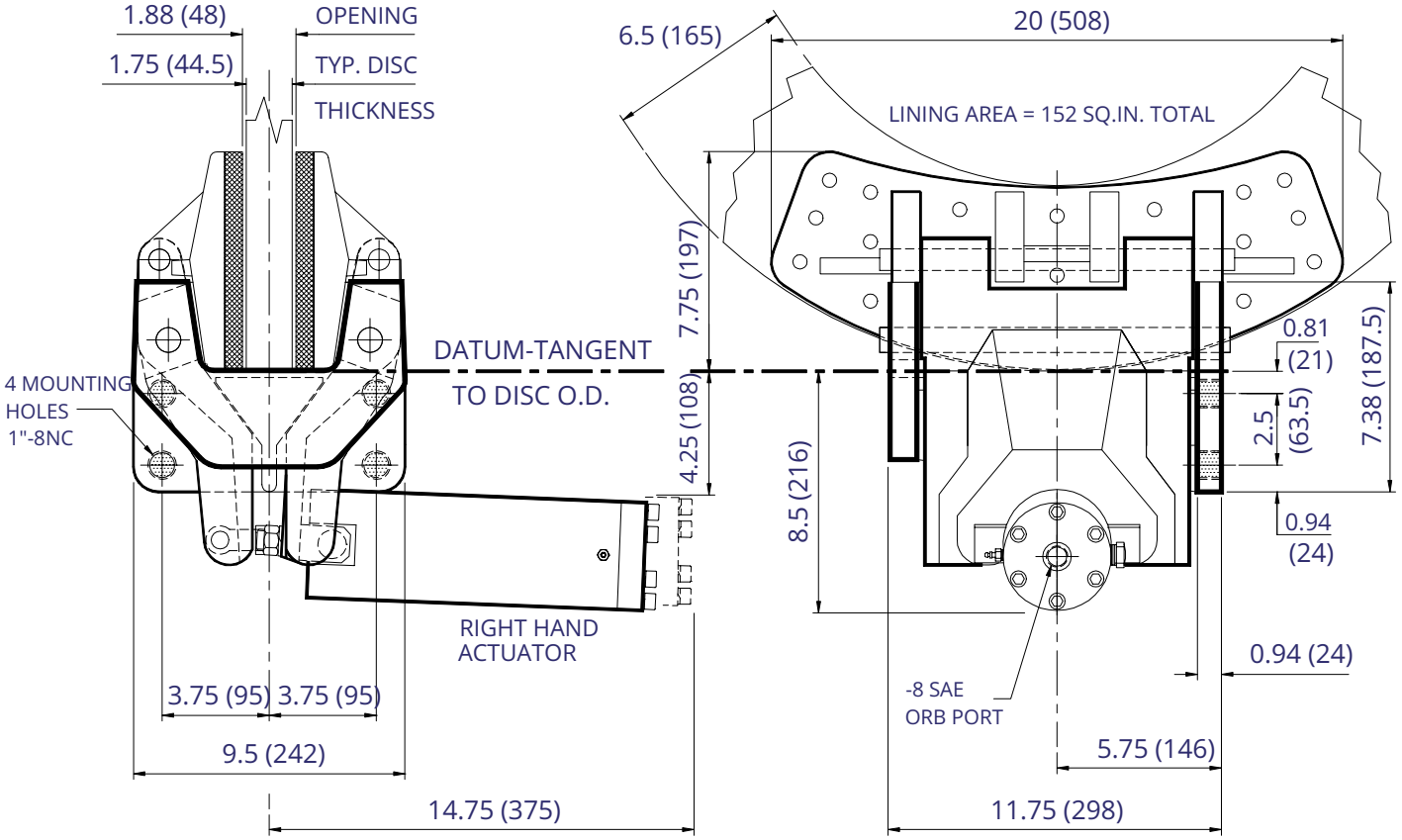
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Y18HS Series Brake Calipers (foot-mounted)

DRAWING
BCY18HS-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 1.75 in (44.5 mm); opening 1.88 in (48 mm)
- -8 SAE ORB port; 4 mounting holes 1"-8NC
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y1820H	11400 / 50710	175 / 80	1000 / 6890	7 / 115	6770 / 9180	9140 / 12400	11520 / 15620	16270 / 22060
Y1824H	13460 / 59870	180 / 82	1000 / 6890	8 / 131	7990 / 10830	10800 / 14630	13600 / 18440	19200 / 26040
Y1830H	15650 / 69610	190 / 86	1000 / 6890	9 / 148	9290 / 12600	12550 / 17020	15800 / 21440	22330 / 30280
Y1836H	17960 / 79880	195 / 89	1000 / 6890	10 / 164	10600 / 14460	14400 / 19530	18150 / 24600	25630 / 34750

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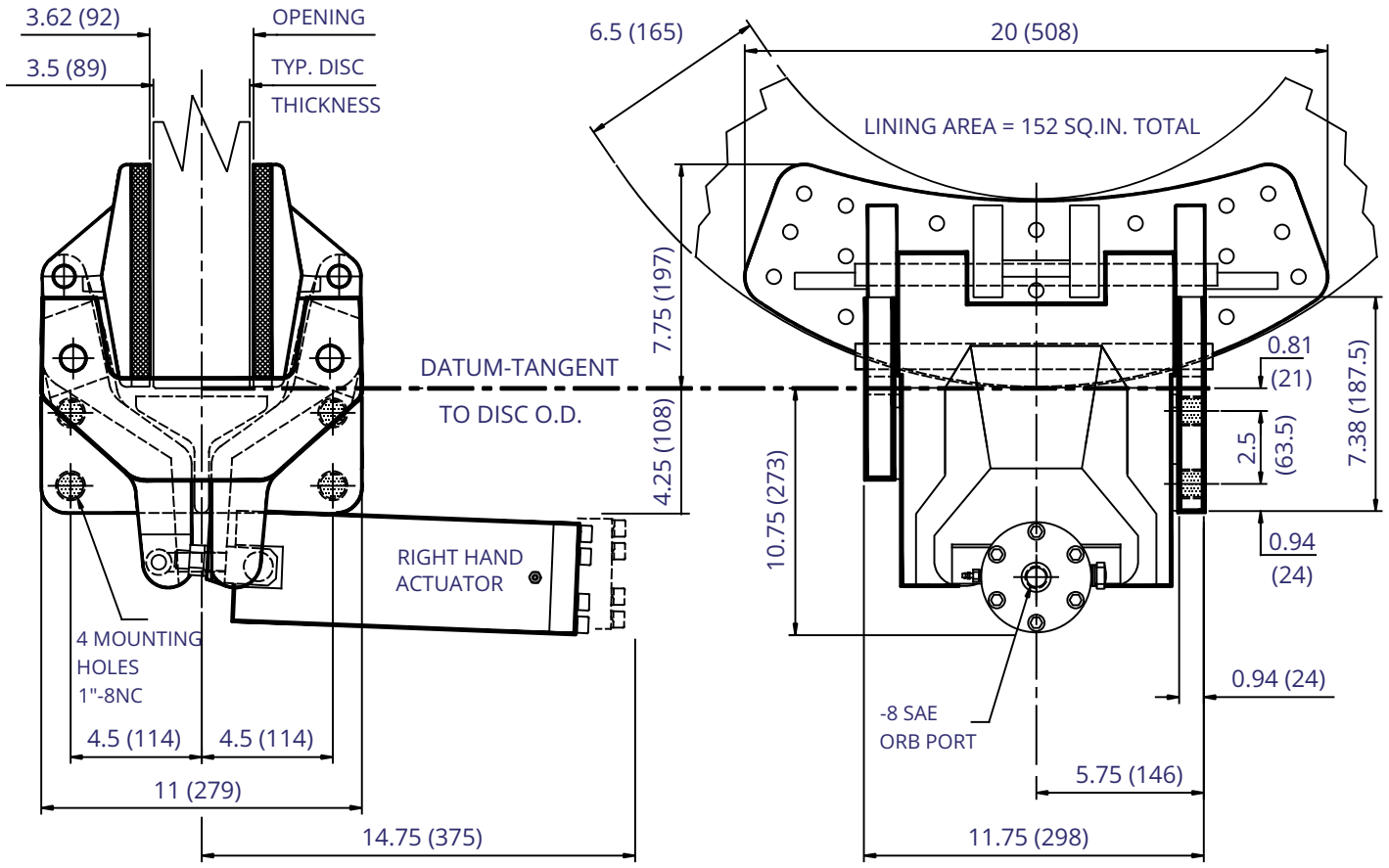
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Y18HS56 Series Brake Calipers (foot-mounted)

DRAWING
BCY18HS56-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 3.5 in (89 mm); opening 3.62 in (92 mm)
- -8 SAE ORB port; 4 mounting holes 1"-8NC
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y1820H56	11400 / 50710	195 / 87	1000 / 6890	7 / 115	6770 / 9180	9140 / 12400	11520 / 15620	16270 / 22060
Y1824H56	13460 / 59870	200 / 90	1000 / 6890	8 / 131	7990 / 10830	10800 / 14630	13600 / 18440	19200 / 26040
Y1830H56	15650 / 69610	210 / 95	1000 / 6890	9 / 148	9290 / 12600	12550 / 17020	15800 / 21440	22330 / 30280
Y1836H56	17960 / 79880	215 / 98	1000 / 6890	10 / 164	10600 / 14460	14400 / 19530	18150 / 24600	25630 / 34750

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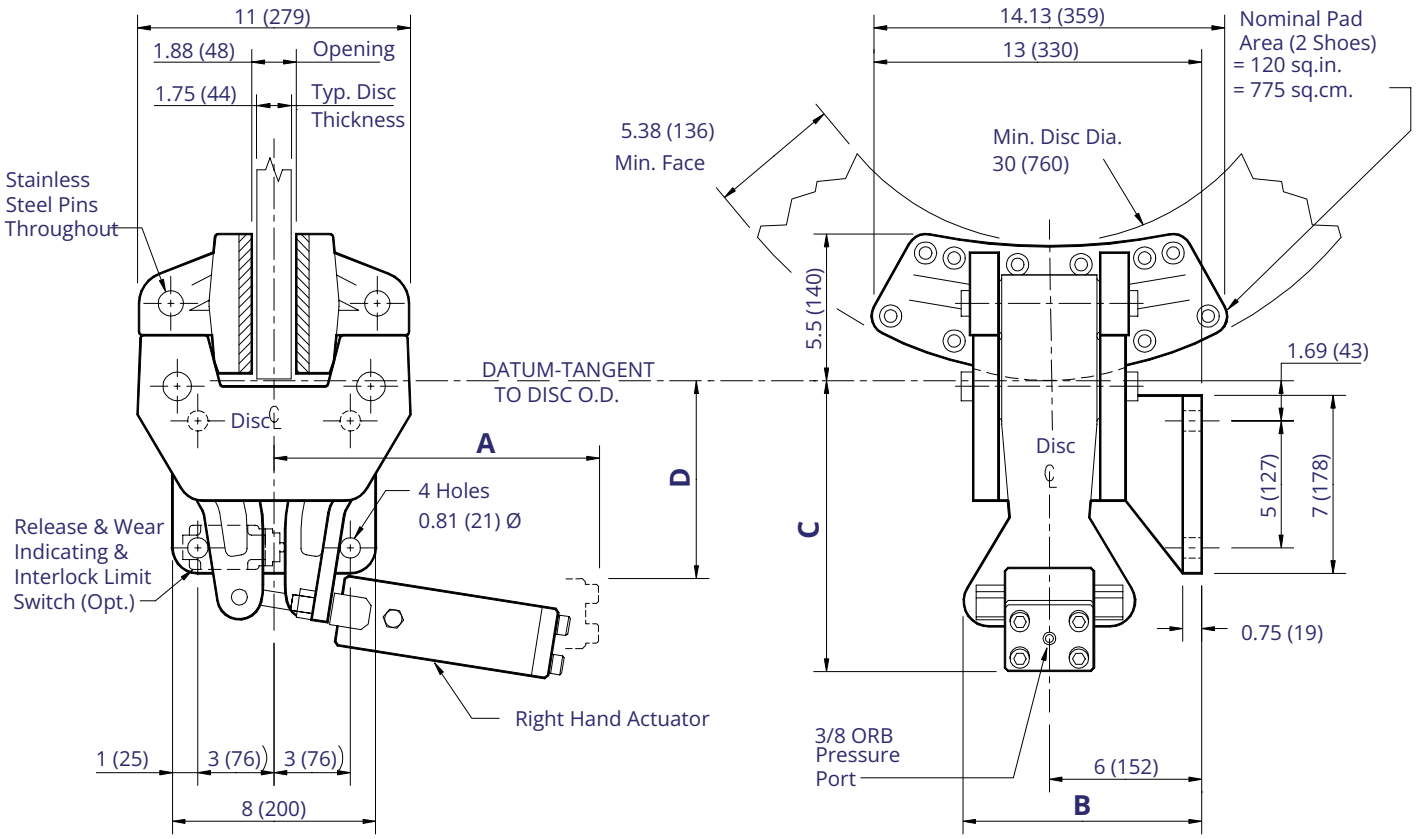
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280HS Series Brake Calipers (foot-mounted)

DRAWING
BC280HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 3/8 ORB pressure port
- Min. face 5.38 in (136 mm)
- 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
2824H	11900 / 52900	173 / 79	1000 / 6890	6 / 99	12.5/318	9.5/241	11.3/287	7.8/198	6190 / 8390	11100 / 15100	16100 / 21800	21000 / 28500
2830H	15500 / 69000	180 / 82	1000 / 6890	8.6 / 142	13/330	9.5/241	11.5/292	7.6/193	8080 / 11000	14600 / 19700	21000 / 28500	27500 / 37300
2836H	19600 / 87400	186 / 85	1000 / 6890	11.9 / 195	13.5/343	9.5/241	11.8/300	7.3/185	10200 / 13900	18400 / 25000	26600 / 36100	34800 / 47200
2850H	24300 / 108000	196 / 89	1000 / 6890	17.8 / 292	14.5/368	9.5/241	12/305	7.1/180	12600 / 17100	22700 / 30800	32800 / 44500	42900 / 58200

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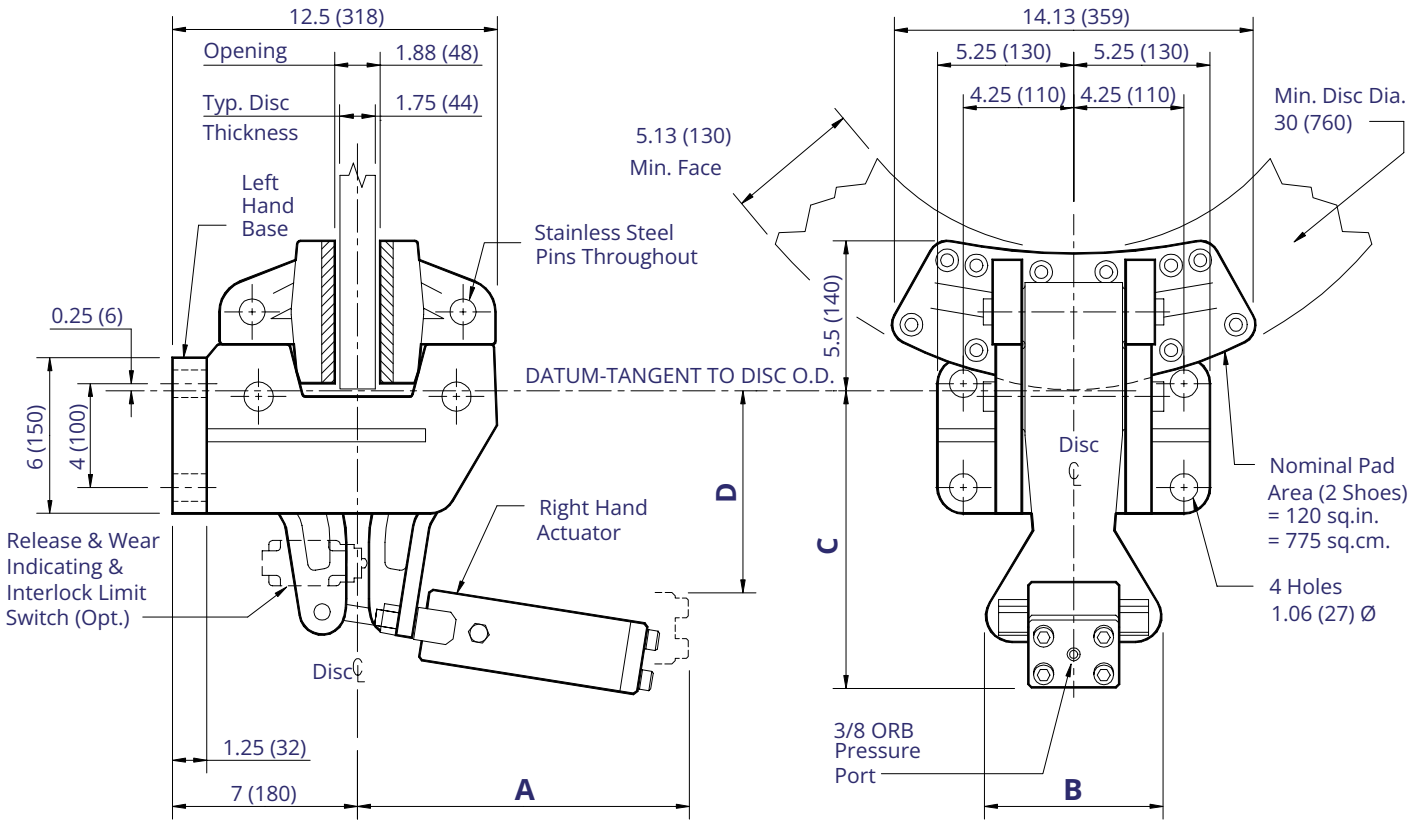
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300HS Series Brake Calipers (side-mounted)

DRAWING
BC300HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 3/8 ORB pressure port
- Min. face 5.13 in (130 mm)
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
3024H	11900 / 52900	169 / 77	1000 / 6890	6 / 99	12.5/318	6.3/160	11.3/287	7.8/198	6190 / 8390	11100 / 15100	16100 / 21800	21000 / 28500
3030H	15500 / 69000	176 / 80	1000 / 6890	8.6 / 142	13/330	6.3/160	11.5/292	7.6/193	8080 / 11000	14600 / 19700	21000 / 28500	27500 / 37300
3036H	19600 / 87400	182 / 83	1000 / 6890	11.9 / 195	13.5/343	6.3/160	11.8/300	7.3/185	10200 / 13900	18400 / 25000	26600 / 36100	34800 / 47200
3050H	24300 / 108000	192 / 87	1000 / 6890	17.8 / 292	14.5/368	6.3/160	12/305	7.1/180	12600 / 17100	22700 / 30800	32800 / 44500	42900 / 58200

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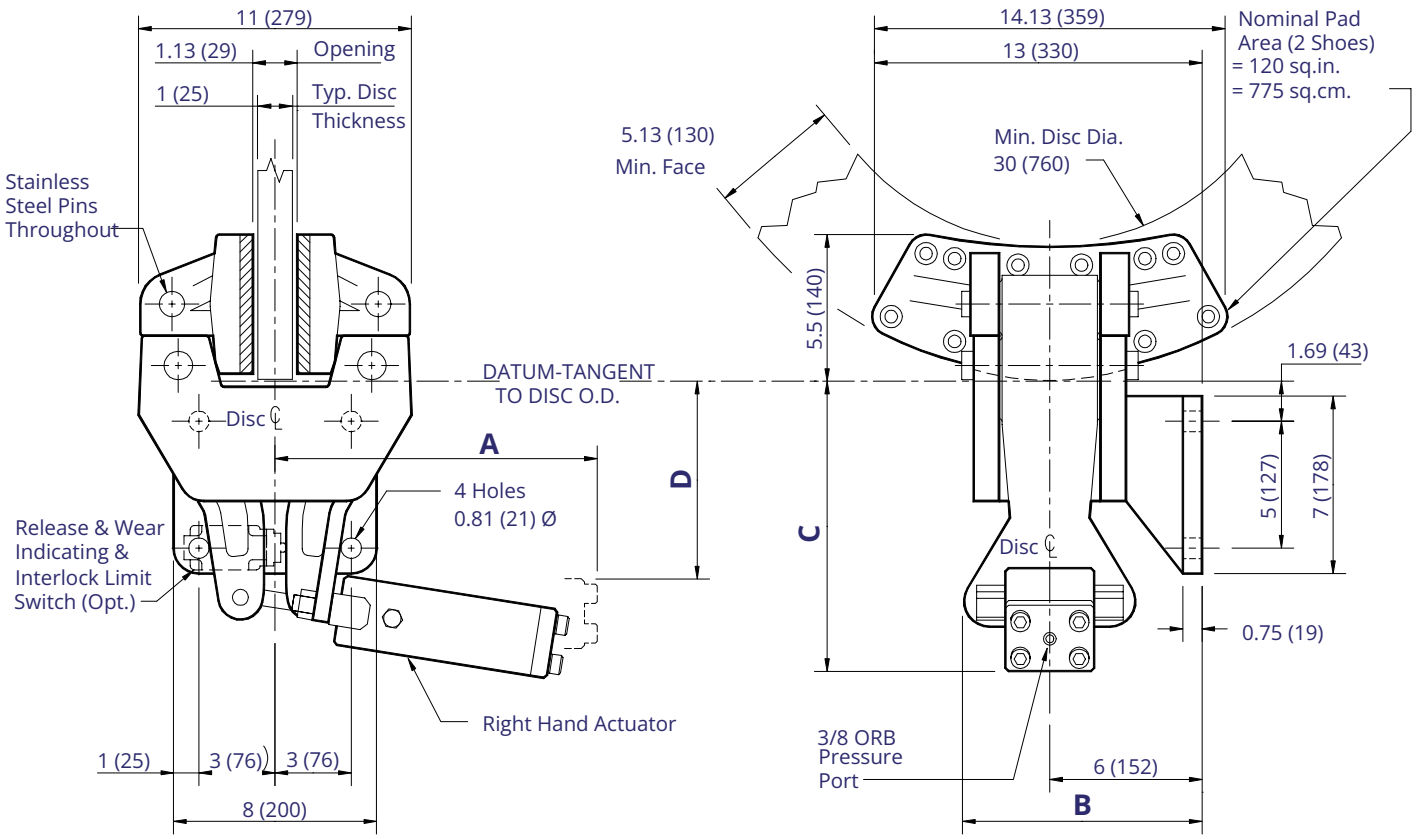
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280HSX Series Brake Calipers (foot-mounted)

DRAWING
BC280HSX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.13 in (130 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 3/8 ORB pressure port
- 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
2820HX	13100 / 58300	168 / 76	1000 / 6890	4 / 65	12/305	9.5/241	11/279	8.1/206	6820 / 9250	12300 / 16600	17700 / 24000	23200 / 31400
2824HX	17800 / 79300	173 / 79	1000 / 6890	6 / 99	12.5/318	9.5/241	11.3/287	7.8/198	9280 / 12600	16700 / 22700	24100 / 32700	31600 / 42800
2830HX	23300 / 104000	180 / 82	1000 / 6890	8.6 / 142	13/330	9.5/241	11.5/292	7.6/193	12100 / 16400	21800 / 29600	31500 / 42700	41200 / 55900
2836HX	29500 / 131000	186 / 85	1000 / 6890	11.9 / 195	13.5/343	9.5/241	11.8/300	7.3/185	15300 / 20800	27600 / 37500	39900 / 54100	52200 / 70700

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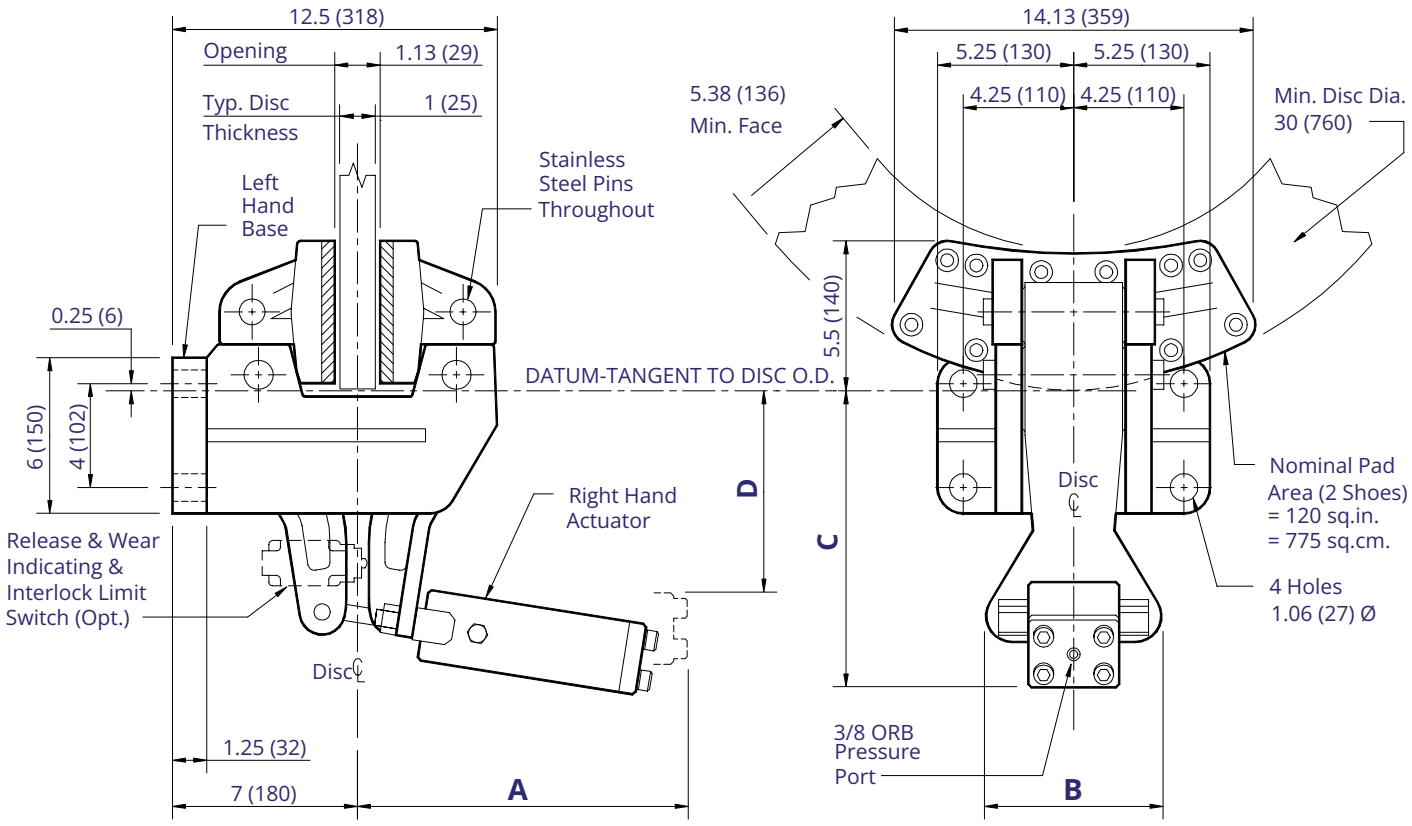
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300HSX Series Brake Calipers (side-mounted)

DRAWING
BC300HSX-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 3/8 ORB pressure port
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
3020HX	13100 / 58300	164 / 75	1000 / 6890	4 / 65	12/305	6.3/160	11/279	8.1/206	6820 / 9250	12300 / 16600	17700 / 24000	23200 / 31400
3024HX	17800 / 79300	169 / 77	1000 / 6890	6 / 99	12.5/318	6.3/160	11.3/287	7.8/198	9280 / 12600	16700 / 22700	24100 / 32700	31600 / 42800
3030HX	23300 / 104000	176 / 80	1000 / 6890	8.6 / 142	13/330	6.3/160	11.5/292	7.6/193	12100 / 16400	21800 / 29600	31500 / 42700	41200 / 55900
3036HX	29500 / 131000	182 / 83	1000 / 6890	11.9 / 195	13.5/343	6.3/160	11.8/300	7.3/185	15300 / 20800	27600 / 37500	39900 / 54100	52200 / 70700

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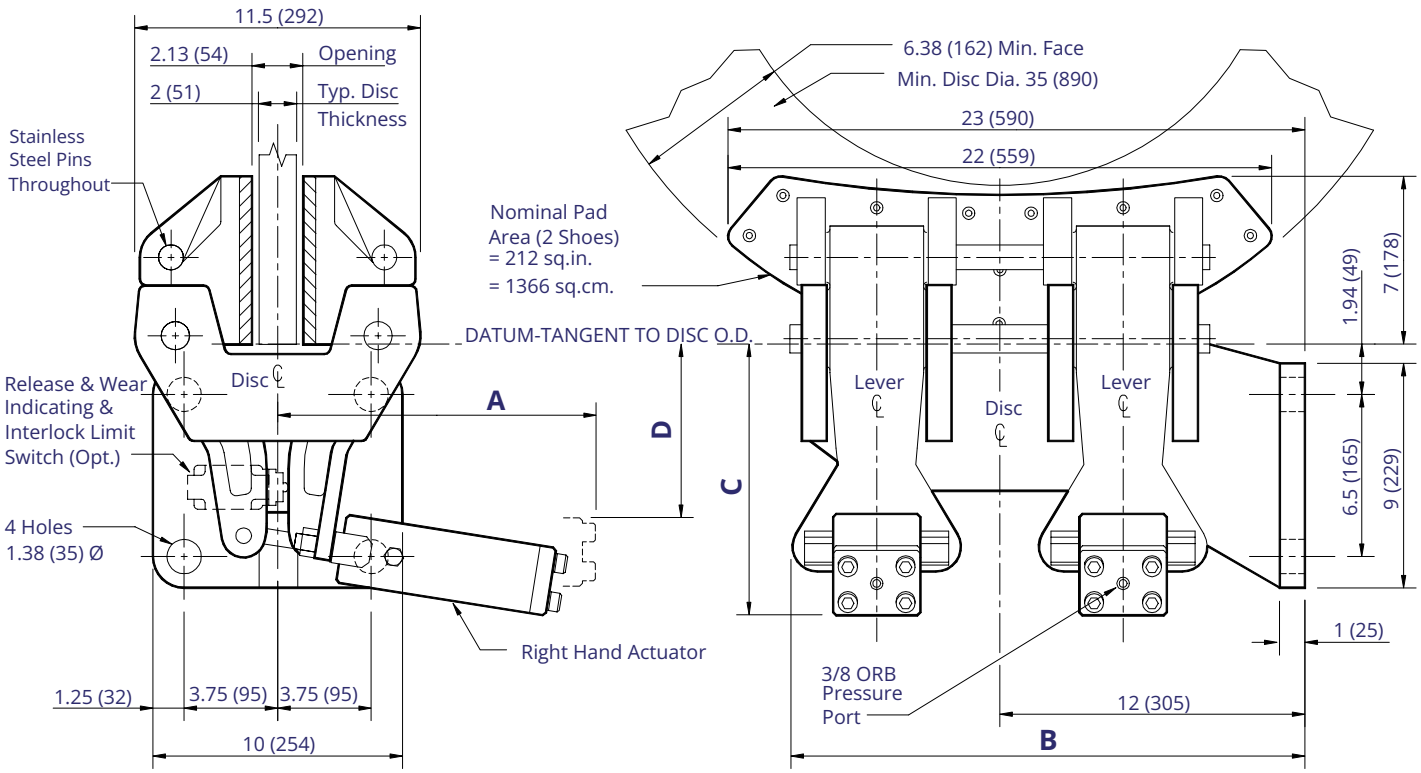
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380HS Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm; typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 3/8 ORB pressure port; 4 holes 1.38 in (35 mm) dia.; twin lever/actuator arrangement
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
3824H	23800 / 106000	390 / 177	1000 / 6890	12 / 197	12.5/218	20.6/523	10.8/273	6.8/173	14400 / 19500	24300 / 32900	34200 / 46300	44100 / 59800
3830H	31000 / 138000	404 / 184	1000 / 6890	17.3 / 283	13/330	20.6/523	11/279	6.6/168	18800 / 25400	31700 / 43000	44600 / 60500	57600 / 78000
3836H	39300 / 175000	416 / 189	1000 / 6890	23.9 / 391	13.5/343	20.6/523	11.3/286	6.3/160	23700 / 32200	40100 / 54400	56500 / 76600	72800 / 98800
3850H	48500 / 216000	436 / 198	1000 / 6890	35.6 / 583	14.5/368	20.6/523	11.5/292	6.1/155	29300 / 39700	49500 / 67100	69700 / 94500	89900 / 122000

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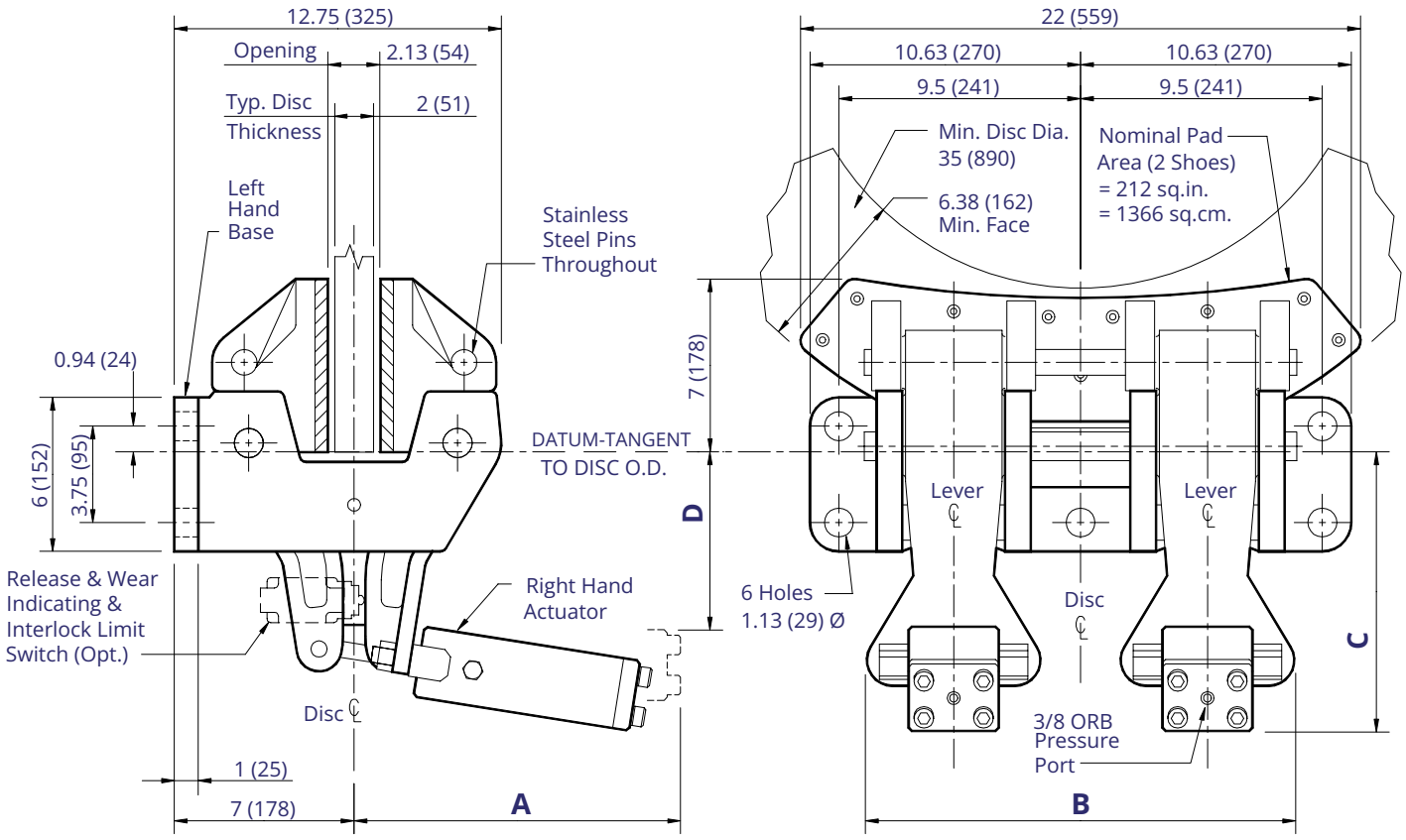
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400HS Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400HS-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 ORB pressure port; twin lever/actuator arrangement
- Min. face 6.38 in (162 mm)
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
4024H	23800 / 106000	390 / 177	1000 / 6890	12 / 197	12.5/218	16.8/427	10.8/273	6.8/171	14400 / 19500	24300 / 32900	34200 / 46300	44100 / 59800
4030H	31000 / 138000	404 / 184	1000 / 6890	17.3 / 283	13/330	16.8/427	11/279	6.6/168	18800 / 25400	31700 / 43000	44600 / 60500	57600 / 78000
4036H	39300 / 175000	416 / 189	1000 / 6890	23.9 / 391	13.5/343	16.8/427	11.3/286	6.3/160	23700 / 32200	40100 / 54400	56500 / 76600	72800 / 98800
4050H	48500 / 216000	436 / 198	1000 / 6890	35.6 / 583	14.5/368	16.8/427	11.5/292	6.1/155	29300 / 39700	49500 / 67100	69700 / 94500	89900 / 122000

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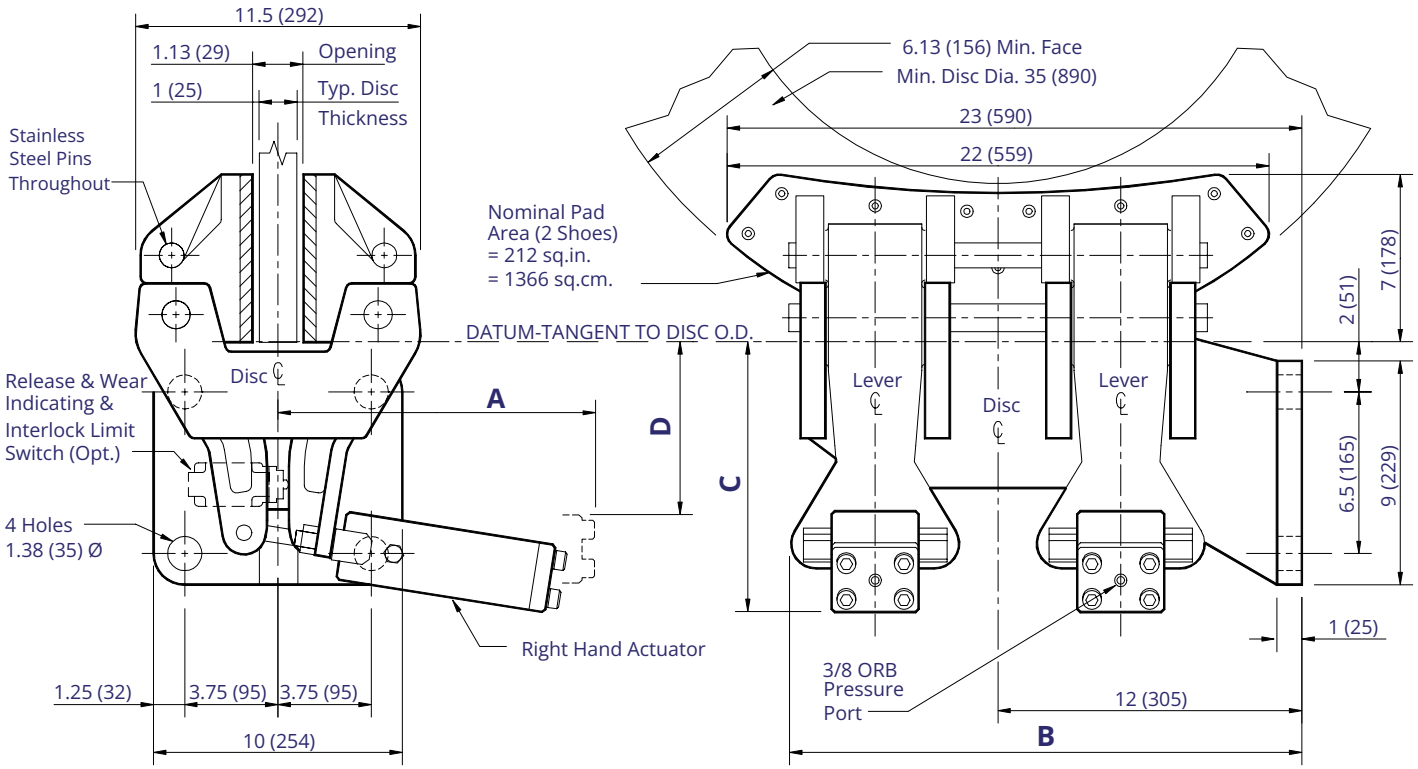
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380HSX Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380HSX-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 ORB pressure port; twin lever/actuator arrangement
- Min. face 6.13 in (156 mm)
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.38 in (35 mm) dia.
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
3820HX	26200 / 117000	380 / 173	1000 / 6890	8 / 130	12.5/218	20.6/523	10.8/273	7.2/183	15800 / 21500	26700 / 36300	37600 / 51000	48600 / 65800
3824HX	25600 / 159000	390 / 177	1000 / 6890	12 / 197	13/330	20.6/523	11/279	7/178	21500 / 29200	36400 / 49300	51200 / 69500	66100 / 89600
3830HX	46600 / 207000	404 / 184	1000 / 6890	17.3 / 283	13.5/343	20.6/523	11.3/286	6.7/170	28100 / 28100	47500 / 64400	66900 / 90800	86300 / 117000
3836HX	58900 / 262000	416 / 189	1000 / 6890	23.9 / 391	14.5/368	20.6/523	11.5/292	6.5/165	35600 / 48300	60200 / 81600	84700 / 115000	109000 / 148000

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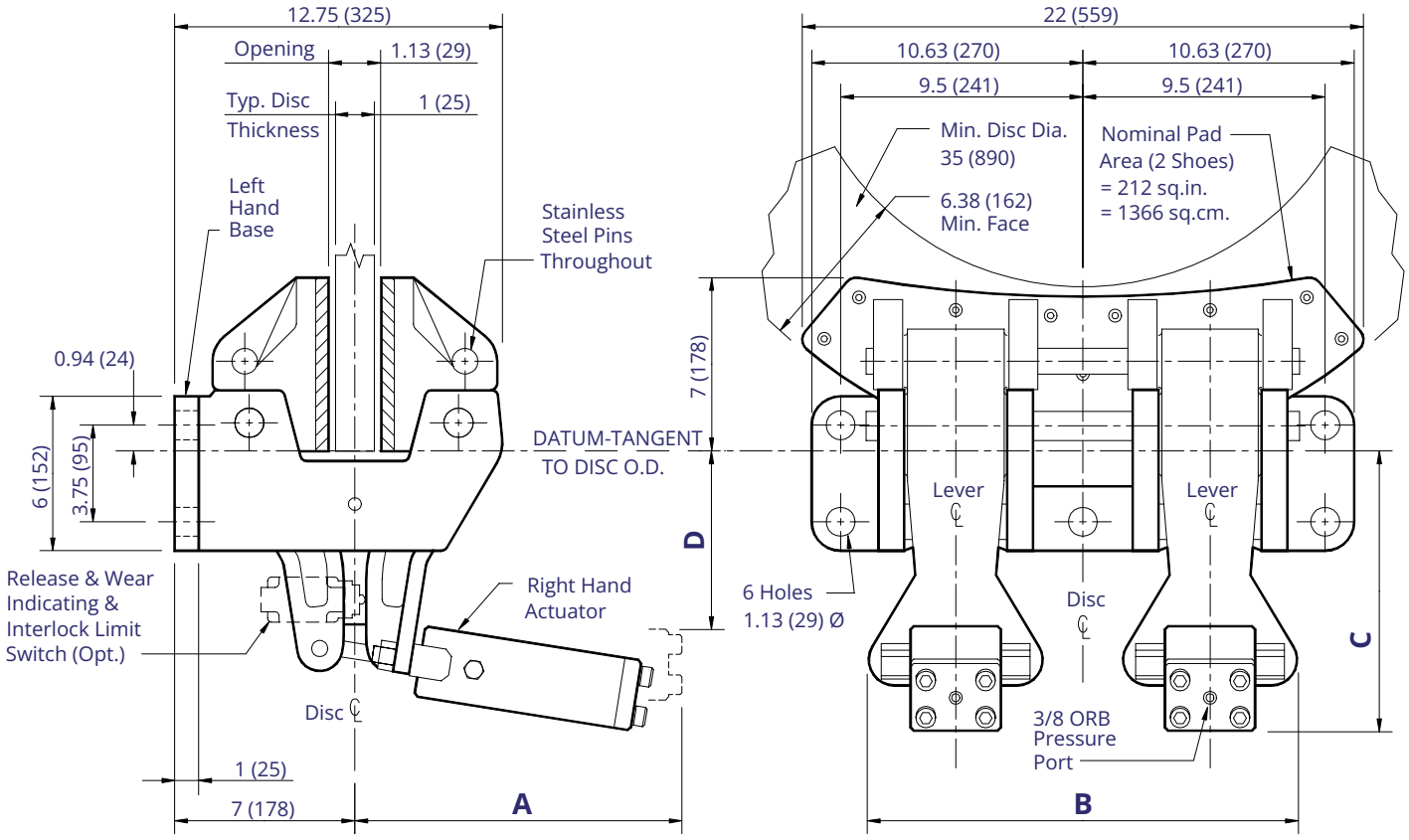
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400HSX Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400HSX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Hydraulic-applied & spring released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 ORB pressure port; twin lever/actuator arrangement
- Min. face 6.38 in (162 mm)
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
4020HX	26200 / 117000	380 / 173	1000 / 6890	8 / 130	12.5/218	16.8/427	10.8/273	7.2/183	15800 / 21500	26700 / 36300	37600 / 51000	48600 / 65800
4024HX	25600 / 159000	390 / 177	1000 / 6890	12 / 197	13/330	16.8/427	11/279	7/178	21500 / 29200	36400 / 49300	51200 / 69500	66100 / 89600
4030HX	46600 / 207000	404 / 184	1000 / 6890	17.3 / 283	13.5/343	16.8/427	11.3/286	6.7/170	28100 / 28100	47500 / 64400	66900 / 90800	86300 / 117000
4036HX	58900 / 262000	416 / 189	1000 / 6890	23.9 / 391	14.5/368	16.8/427	11.5/292	6.5/165	35600 / 48300	60200 / 81600	84700 / 115000	109000 / 148000

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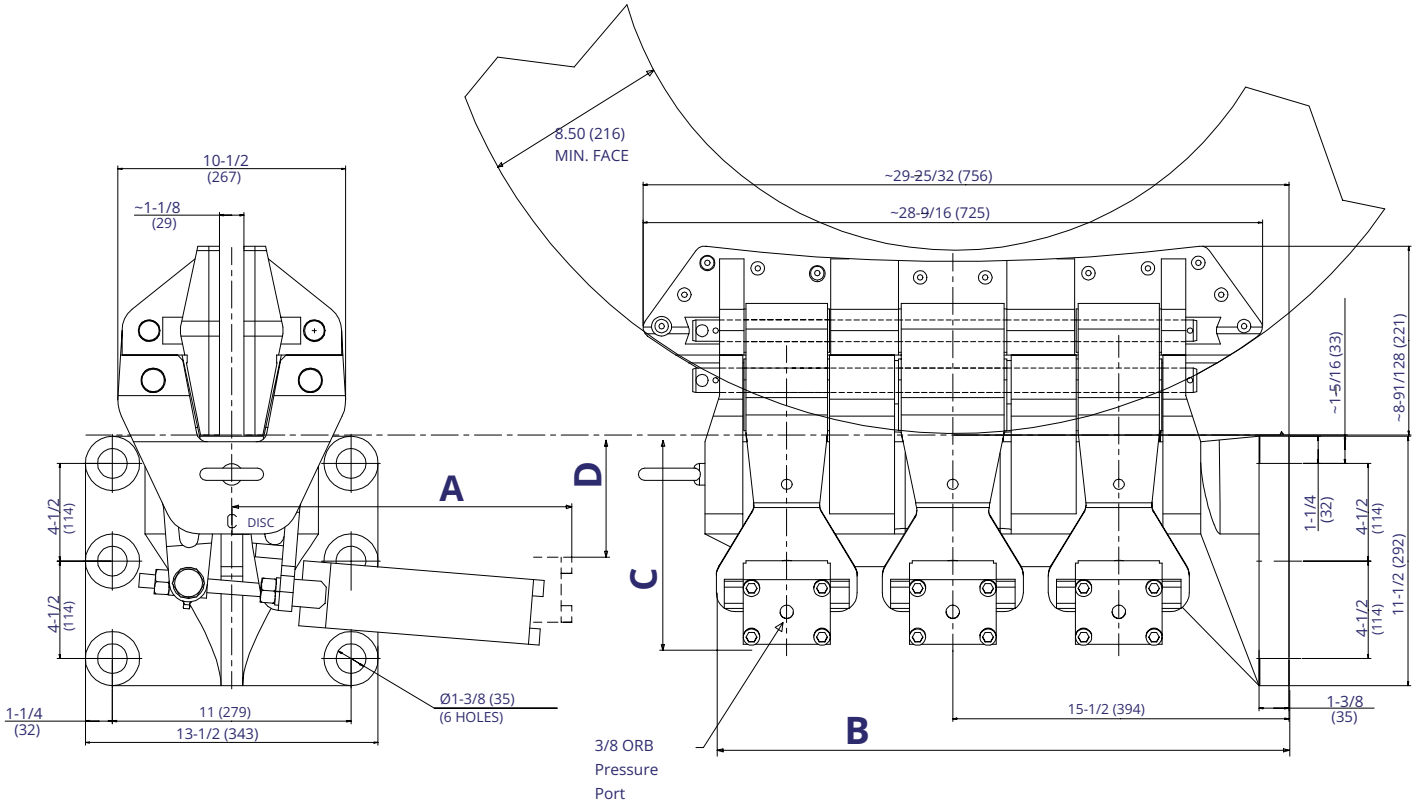
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780HSX Series Brake Calipers

(foot-mounted, triple actuator)

DRAWING
BC780HSX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released
- Min. face 8.50 in (216 mm)
- Typ. disc thickness 1-1/8 in (29 mm)
- 3/8 ORB pressure port; 6 holes 1-3/8 in (35 mm) dia.
- Triple lever/actuator arrangement
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Max hydraulic pressure psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @50in/1270 lb-ft/Nm	@60/1524	@70/1778	@80/2032
7820HX	39300 / 175500	549 / 249	1000 / 6890	12 / 195	13.1/333	26.4/671	9.1/231	6.3/160	36025 / 49035	44213 / 60179	52400 / 71323	60588 / 82467
7824HX	53617 / 238500	559 / 254	1000 / 6890	18 / 296	13.6/345	26.4/671	9.3/236	6.1/155	49149 / 66637	60319 / 81782	71489 / 96926	82660 / 112071
7830HX	69900 / 310500	573 / 260	1000 / 6890	26 / 425	14.1/358	26.4/671	9.5/241	5.8/147	64075 / 86754	78638 / 106471	93200 / 126187	107763 / 145904
7836HX	88350 / 393000	585 / 266	1000 / 6890	36 / 587	15.1/384	26.4/671	9.7/246	5.8/147	80988 / 109804	99394 / 134760	117800 / 159715	136206 / 184671

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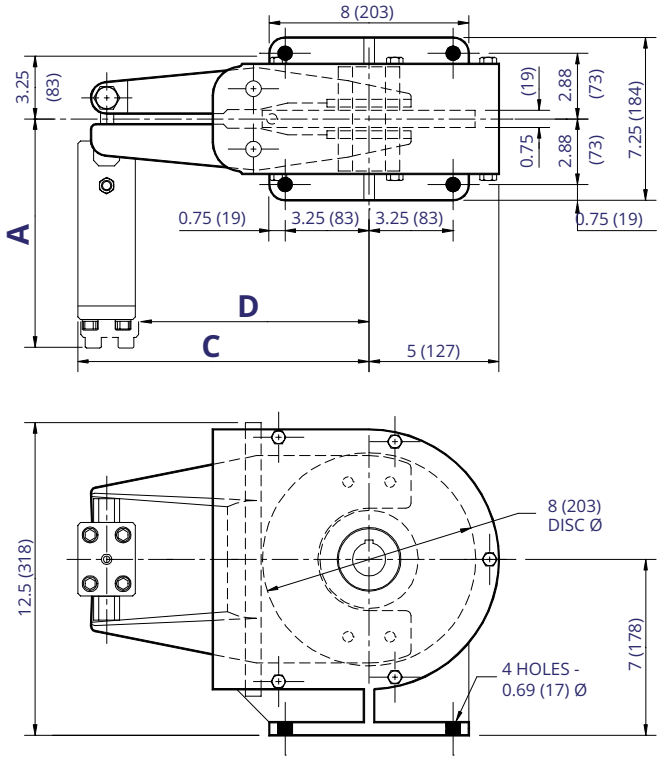
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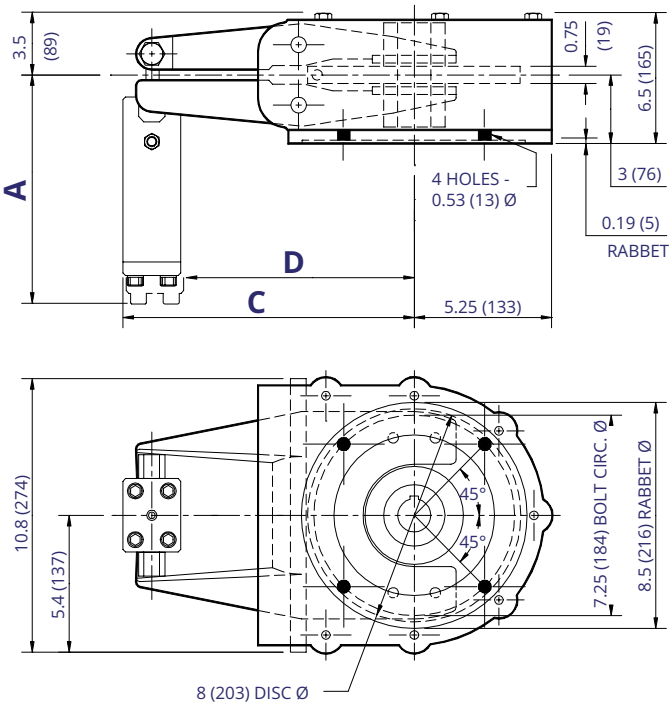
FB08 / MB08 Series Brake Calipers (hydraulic)

DRAWING
BM080HS-1.0

FB08 SERIES
FOOT-MOUNTED BRAKE CALIPERS



MB08 SERIES
MOTOR-MOUNTED BRAKE CALIPERS



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 8 in (203 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 8.5 in (216 mm) dia.; bolt circle 7.25 in (184 mm)

FB & MB model no.	Applied force lb/N	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB0809H	1840 / 8190	1000 / 6890	1.5 / 24	75 / 34	60 / 27	8.6/218	11.5/292	9.3/236	45 / 61	90 / 122	135 / 184	181 / 245	226 / 306
FB/MB0812H	2270 / 10100	1000 / 6890	2.2 / 35	77 / 35	62 / 28	9.1/231	11.5/292	9.3/236	56 / 76	111 / 151	167 / 227	223 / 302	279 / 378
FB/MB0816H	2750 / 12200	1000 / 6890	3.3 / 55	80 / 36	65 / 30	9.4/239	11.5/292	9.3/236	67 / 91	135 / 183	202 / 274	270 / 365	337 / 457

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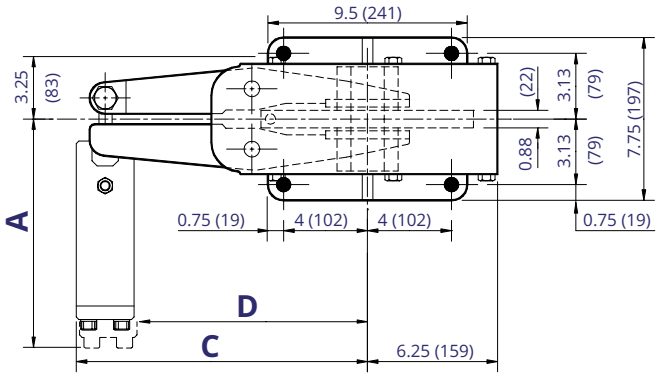
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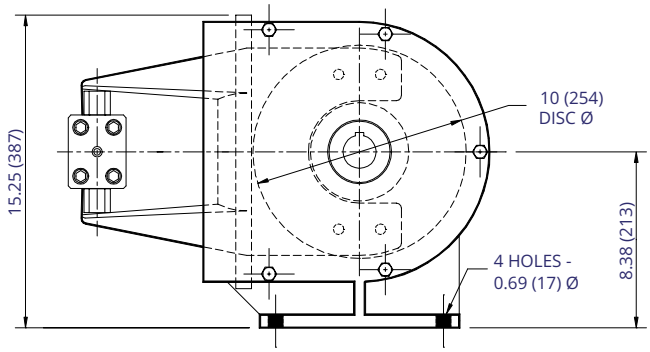
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FB10 / MB10 Series Brake Calipers (hydraulic)

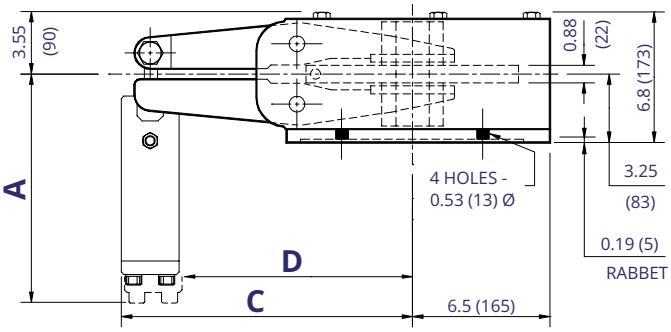
DRAWING
BM100HS-1.0

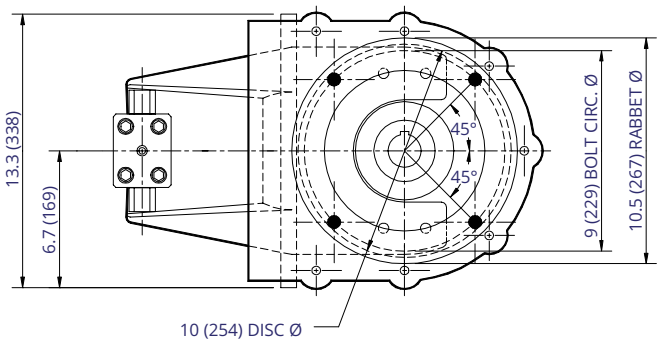
FB10 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB10 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 10 in (254 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 10.5 in (267 mm) dia.; bolt circle 9 in (229 mm)

FB & MB model no.	Applied force lb/N	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1009H	2460 / 10900	1000 / 6890	1.5 / 24	123 / 56	93 / 42	8.9/226	13.5/343	11.3/287	76 / 102	151 / 205	227 / 307	302 / 410	378 / 512
FB/MB1012H	3030 / 13500	1000 / 6890	2.2 / 35	125 / 57	95 / 43	9.2/234	13.5/343	11.3/287	93 / 126	186 / 253	280 / 379	373 / 506	466 / 632
FB/MB1016H	3670 / 16300	1000 / 6890	3.3 / 55	128 / 58	98 / 45	9.6/244	13.5/343	11.3/287	113 / 153	225 / 306	338 / 459	451 / 611	564 / 764

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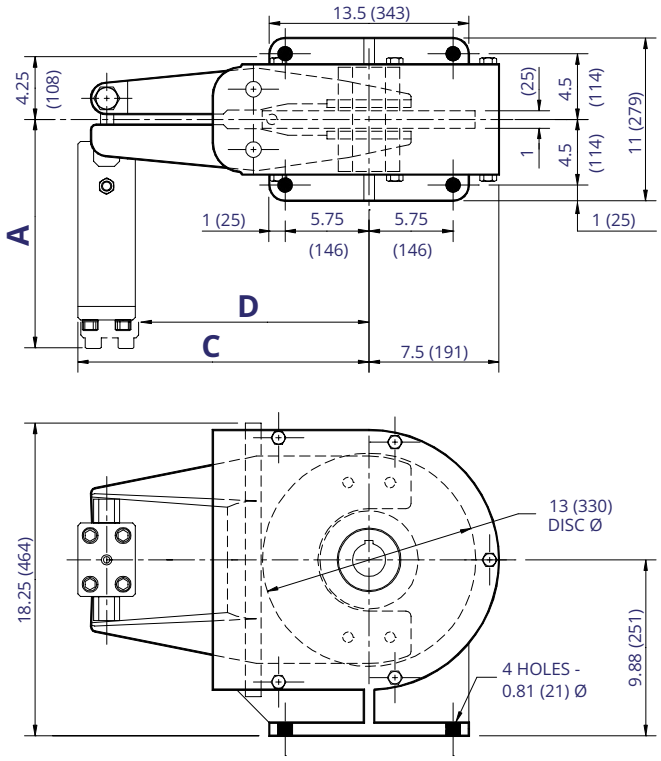
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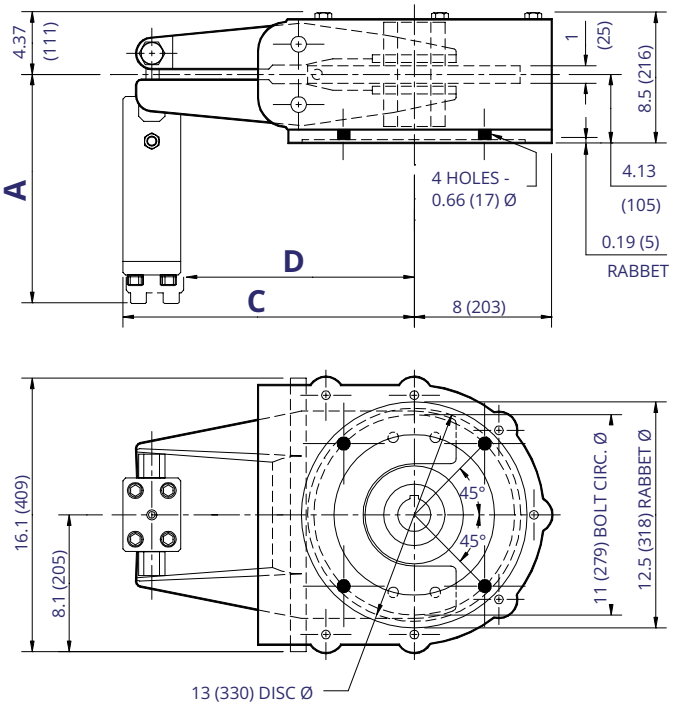
FB13 / MB13 Series Brake Calipers (hydraulic)

DRAWING
BM130HS-1.0

FB13 SERIES
FOOT-MOUNTED BRAKE CALIPERS



MB13 SERIES
MOTOR-MOUNTED BRAKE CALIPERS



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 13 in (330 mm)
- FB: 4 holes 0.81 in (21 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 12.5 in (318 mm) dia.; bolt circle 11 in (279 mm)

FB & MB model no.	Applied force lb/N	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1320H	5460 / 24300	1000 / 6890	4.0 / 65	255 / 116	190 / 86	10.4/264	16.1/409	13.6/345	225 / 305	449 / 609	674 / 914	899 / 1220	1120 / 1520
FB/MB1324H	7430 / 33000	1000 / 6890	5.4 / 89	260 / 118	195 / 89	11/279	16.3/414	13.4/340	306 / 415	611 / 829	917 / 1240	1220 / 1660	1530 / 2070
FB/MB1330H	9700 / 43200	1000 / 6890	7.9 / 129	267 / 121	202 / 92	11.5/292	16.5/419	13.2/335	399 / 541	799 / 1080	1200 / 1620	1600 / 2170	2000 / 2710

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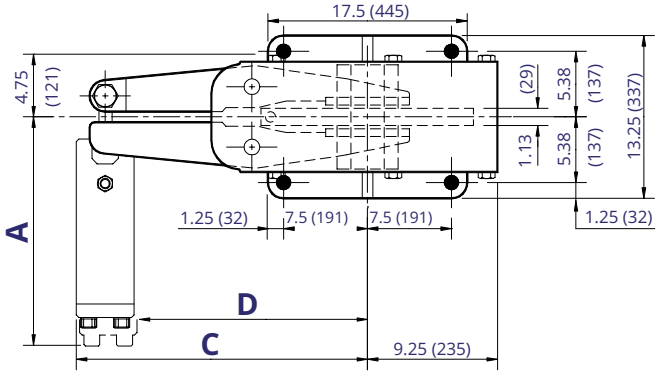
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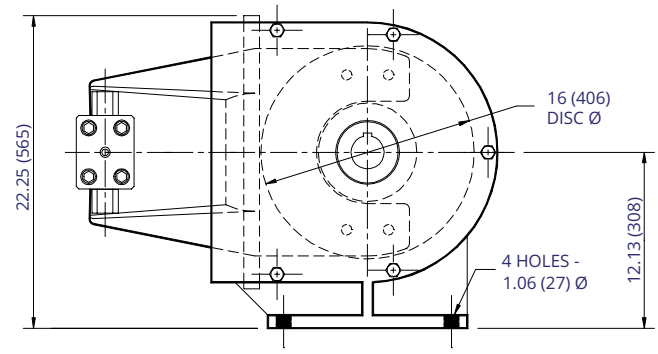
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FB16 / MB16 Series Brake Calipers (hydraulic)

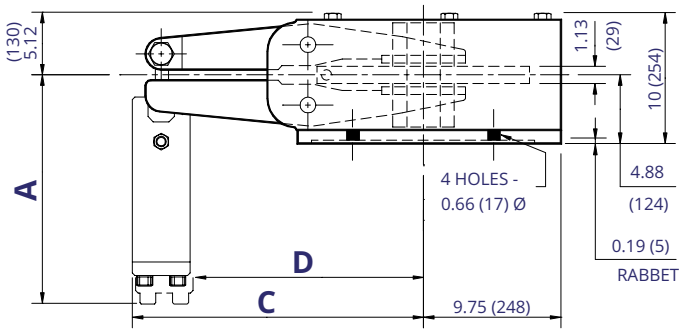
DRAWING
BM160HS-1.0

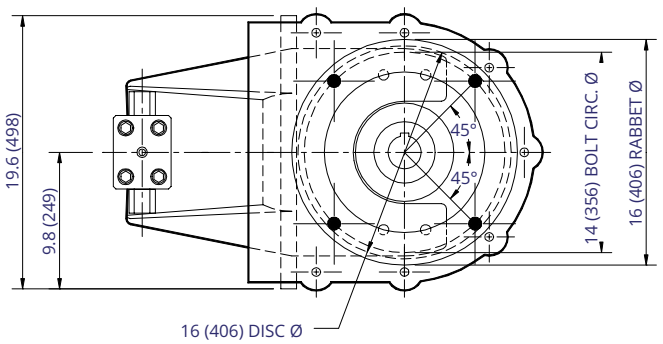
FB16 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB16 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Hydraulic-applied & spring released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 16 in (406 mm)
- FB: 4 holes 1.06 in (27 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 16 in (406 mm) dia.; bolt circle 14 in (356 mm)

FB & MB model no.	Applied force lb/N	Max hydraulic pressure psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1620H	6550 / 29100	1000 / 6890	4.0 / 65	470 / 214	325 / 148	10.7/272	19.1/485	16.8/427	327 / 444	655 / 888	982 / 1330	1310 / 1780	1640 / 2220
FB/MB1624H	8910 / 39600	1000 / 6890	5.4 / 89	475 / 216	330 / 150	11.3/287	19.3/490	16.6/422	446 / 604	891 / 1210	1340 / 1810	1780 / 2420	2230 / 3020
FB/MB1630H	11600 / 51800	1000 / 6890	7.9 / 129	482 / 219	337 / 153	11.9/302	19.5/495	16.4/417	582 / 789	1160 / 1580	1750 / 2370	2330 / 3160	2910 / 3950
FB/MB1636H	14700 / 65500	1000 / 6890	11.9 / 195	488 / 222	343 / 156	12.4/315	19.7/500	16.2/411	737 / 999	1470 / 2000	2210 / 3000	2950 / 4000	3680 / 4990

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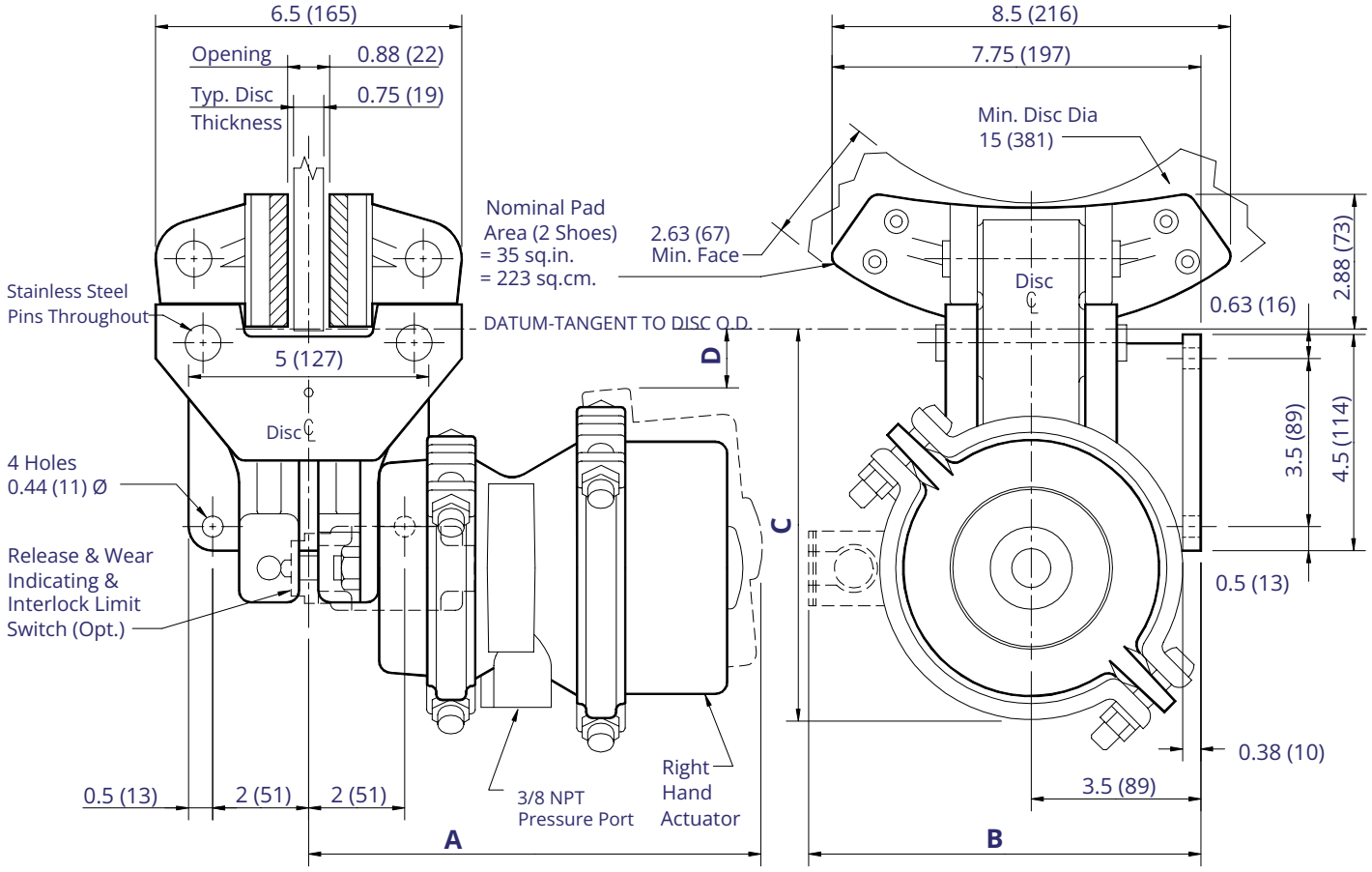
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80SA Series Brake Calipers (foot-mounted)

DRAWING
BC080SA-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 NPT pressure port; 4 holes 0.44 in (11 mm) dia.
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
812FA	2930 / 13000	39 / 18	82 / 565	80 / 552	120 / 827	26 / 426	8.8/222	8.5/216	7.8/198	1.4/35	764 / 1040	1990 / 2690	3210 / 4350	4430 / 6010
816FA	4530 / 20200	43 / 20	85 / 586	83 / 572	120 / 827	44 / 721	9.5/241	8.5/216	8.1/206	1.1/28	1180 / 1600	3070 / 4160	4960 / 6720	6850 / 9290
824FA	6400 / 28500	47 / 21	90 / 621	88 / 607	120 / 827	88 / 1442	10.3/260	8.5/216	8.6/218	0.6/15	1670 / 2260	4330 / 5880	7000 / 9490	9670 / 13100

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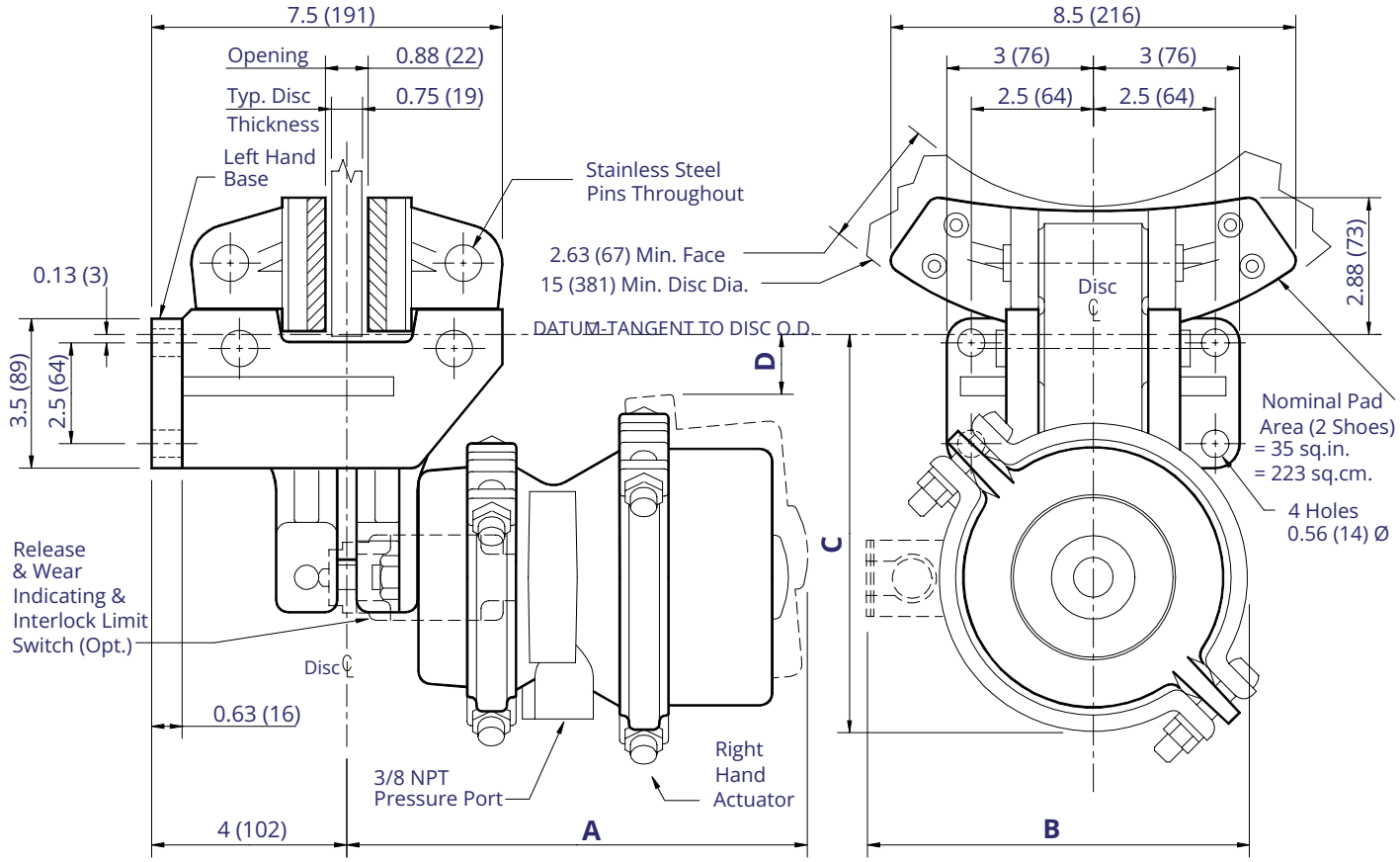
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100SA Series Brake Calipers (side-mounted)

DRAWING
BC100SA-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 100SA Series not available in LH/LH or RH/RH models
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm; typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 NPT pressure port; 4 holes 0.56 in (14 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
1012FA	2930 / 13000	40 / 18	82 / 565	80 / 552	120 / 827	26 / 426	8.8/222	8/203	7.8/198	1.4/35	764 / 1040	1990 / 2690	3210 / 4350	4430 / 6010
1016FA	4530 / 20200	44 / 20	85 / 586	83 / 572	120 / 827	44 / 721	9.5/241	8.4/213	8.1/206	1.1/28	1180 / 1600	3070 / 4160	4960 / 6720	6850 / 9290
1024FA	6400 / 28500	48 / 22	90 / 621	88 / 607	120 / 827	88 / 1442	10.3/260	8.8/224	8.6/218	0.6/15	1670 / 2260	4330 / 5880	7000 / 9490	9670 / 13100

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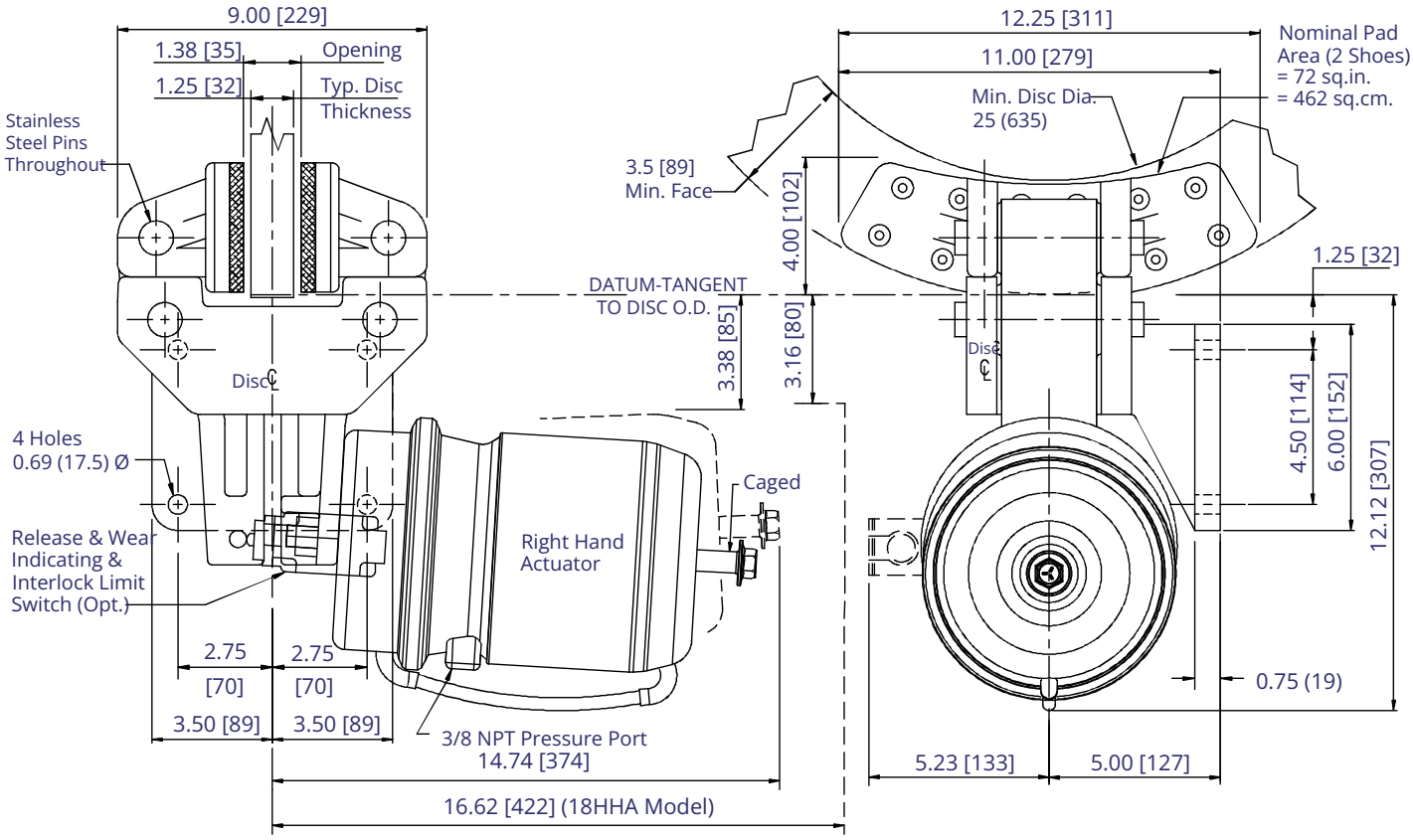
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180SA Series Brake Calipers (foot-mounted)

DRAWING
BC180SA-1.7



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure port; 4 holes 0.69 in (17.5 mm) dia.; caged spring option
- Overall length 14.74 in (374 mm); 16.62 in (422 mm) on the 18HHA model
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
18T2424A	6130 / 27200	89 / 40	78 / 537	76 / 523	130 / 896	75 / 1237	2760 / 3730	4030 / 5460	5310 / 7160	6590 / 8930	7870 / 10600	9140 / 12300	10420 / 14100
18T2430A	7200 / 32000	91 / 41	73 / 503	70 / 482	130 / 896	102 / 1668	3240 / 4390	4740 / 6430	6240 / 8430	7740 / 10500	9240 / 12500	10700 / 14500	12200 / 16600
182424A	10100 / 44900	93 / 42	78 / 537	70 / 482	145 / 999	98 / 1610	4550 / 6160	6650 / 9020	8750 / 11800	10800 / 14700	12900 / 17500	15000 / 20400	17100 / 23200
183030A	13600 / 60500	96 / 44	80 / 551	78 / 537	145 / 999	128 / 2100	6120 / 8300	8960 / 12100	11700 / 15900	14600 / 19800	17400 / 23600	20200 / 27500	23100 / 31300
18HHA	19200 / 85400	180 / 82	105 / 724	95 / 655	120 / 827	150 / 2460	8600 / 11700	12600 / 17100	16600 / 22500	20600 / 28000	24600 / 33300	28600 / 38800	32600 / 44200

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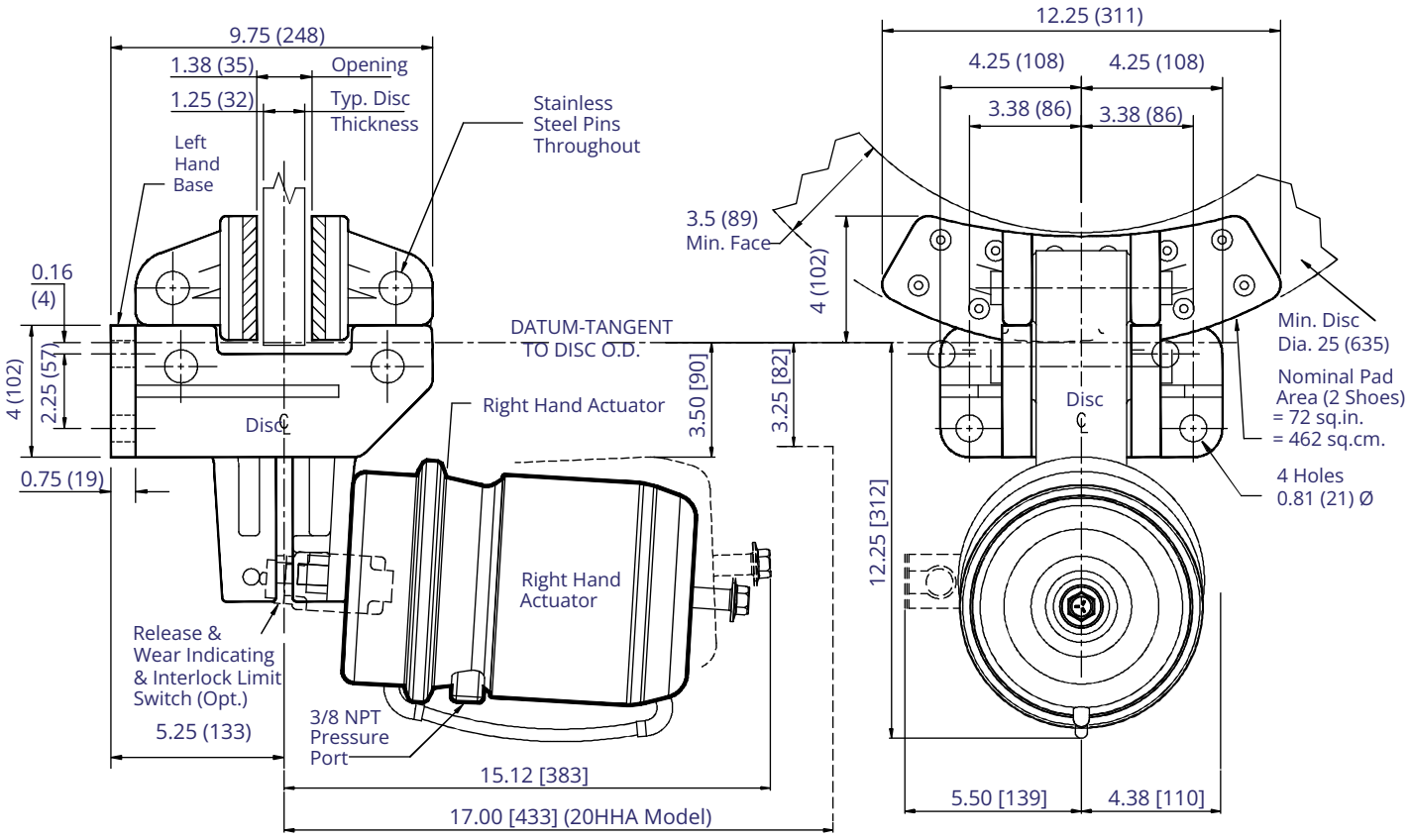
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200SA Series Brake Calipers (side-mounted)

DRAWING
BC200SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure port
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Overall length 15.12 in (383 mm); 17.00 in (433 mm) on the 20HHA model
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
20T2424A	6130 / 27200	89 / 40	78 / 537	76 / 523	130 / 896	75 / 1237	2760 / 3730	4030 / 5460	5310 / 7160	6590 / 8930	7870 / 10600	9140 / 12300	10420 / 14100
20T2430A	7200 / 32000	91 / 41	73 / 503	70 / 482	130 / 896	102 / 1668	3240 / 4390	4740 / 6430	6240 / 8430	7740 / 10500	9240 / 12500	10700 / 14500	12200 / 16600
202424A	10100 / 44900	93 / 42	78 / 537	70 / 482	145 / 999	98 / 1610	4550 / 6160	6650 / 9020	8750 / 11800	10800 / 14700	12900 / 17500	15000 / 20400	17100 / 23200
203030A	13600 / 60500	96 / 44	80 / 551	78 / 537	145 / 999	128 / 2100	6120 / 8300	8960 / 12100	11700 / 15900	14600 / 19800	17400 / 23600	20200 / 27500	23100 / 31300
20HHA	19200 / 85400	106 / 48	105 / 724	95 / 655	120 / 827	150 / 2460	8600 / 11700	12600 / 17100	16600 / 22500	20600 / 28000	24600 / 33300	28600 / 38800	32600 / 44200

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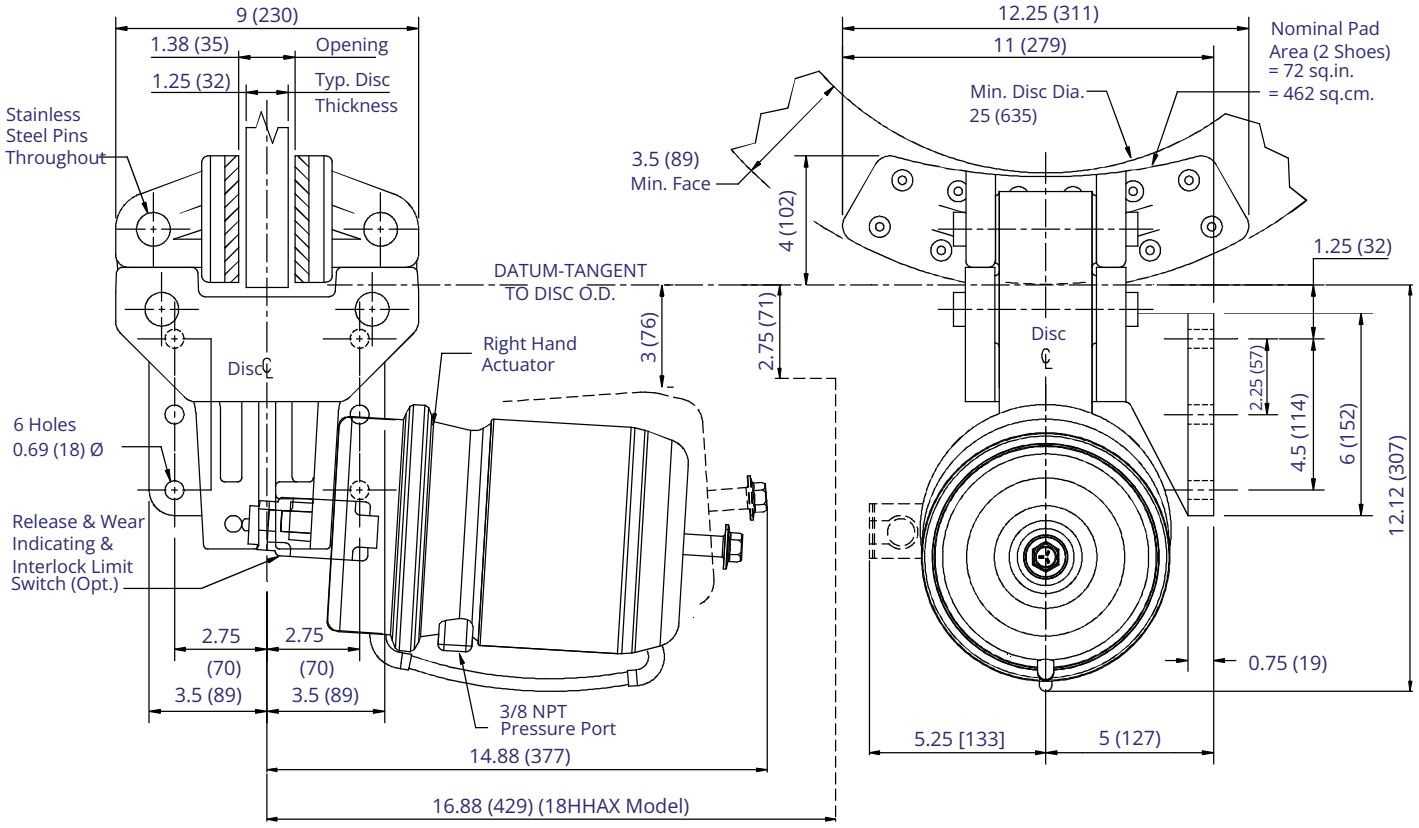
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180SAX Series Brake Calipers (foot-mounted)

DRAWING
BC180SAX-1.4



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure port
- 6 holes 0.69 in (18 mm) dia.
- Overall length 14.88 in (377 mm); 16.88 in (429 mm) on the 18HHAX model
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
18T2424AX	9200 / 40900	89 / 40	78 / 537	76 / 482	130 / 896	75 / 1237	4140 / 5610	6060 / 8220	7970 / 10700	9890 / 13400	11800 / 16000	13700 / 18600	15600 / 21200
18T2430AX	10800 / 48000	91 / 41	73 / 503	70 / 482	130 / 896	102 / 1668	4860 / 6590	7110 / 9650	9360 / 12600	11600 / 15700	13800 / 18700	16100 / 21800	18300 / 24800
182424AX	15200 / 67600	93 / 42	78 / 537	70 / 482	145 / 999	98 / 1610	6840 / 9280	10000 / 13500	13100 / 17800	16300 / 22200	19500 / 26400	22600 / 30700	25800 / 35000
183030AX	20400 / 90700	96 / 44	80 / 551	78 / 537	145 / 999	128 / 2100	9190 / 12400	13440 / 18200	17690 / 23900	21940 / 29800	26190 / 35400	30440 / 41200	34690 / 47000
18HHAX	28800 / 128000	106 / 48	105 / 724	95 / 655	120 / 827	150 / 2460	12900 / 17500	18900 / 25700	24900 / 33700	30900 / 42000	36900 / 50000	42900 / 58200	48900 / 66300

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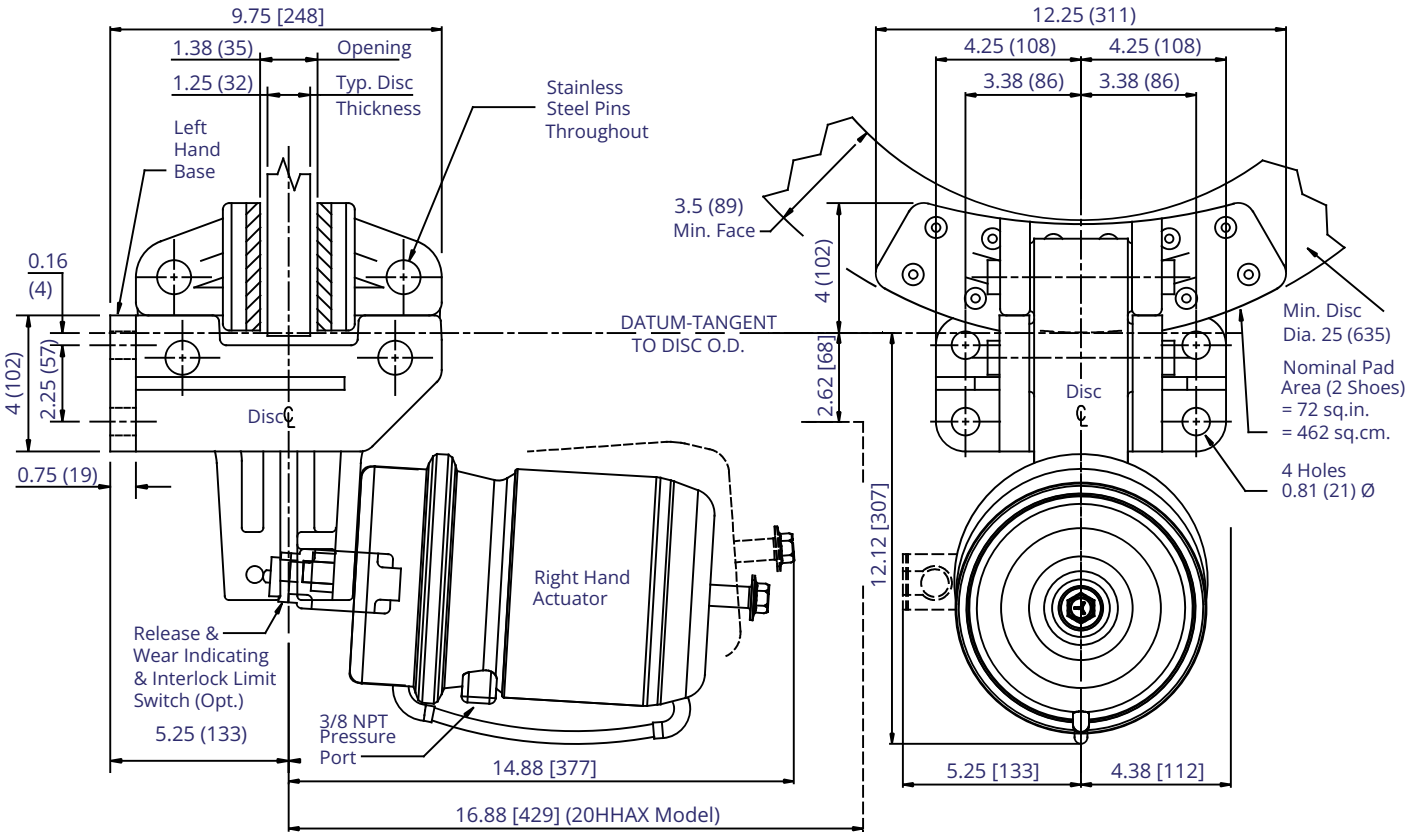
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200SAX Series Brake Calipers (side-mounted)

DRAWING
BC200SAX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm; typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 3/8 NPT pressure port
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Overall length 14.88 in (377 mm); 16.88 in (429 mm) on the 20HHAX model
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
20T2424AX	9200 / 40900	89 / 40	78 / 537	76 / 482	130 / 896	75 / 1237	4140 / 5610	6060 / 8220	7970 / 10700	9890 / 13400	11800 / 16000	13700 / 18600	15600 / 21200
20T2430AX	10800 / 48000	91 / 41	73 / 503	70 / 482	130 / 896	102 / 1668	4860 / 6590	7110 / 9650	9360 / 12600	11600 / 15700	13800 / 18700	16100 / 21800	18300 / 24800
202424AX	15200 / 67600	93 / 42	78 / 537	70 / 482	145 / 999	98 / 1610	6840 / 9280	10000 / 13500	13100 / 17800	16300 / 22200	19500 / 26400	22600 / 30700	25800 / 35000
203030AX	20400 / 90700	96 / 44	80 / 551	78 / 537	145 / 999	128 / 2100	9190 / 12400	13440 / 18200	17690 / 23900	21940 / 29800	26190 / 35400	30440 / 41200	34690 / 47000
20HHAX	28800 / 128000	106 / 48	105 / 724	95 / 655	120 / 827	150 / 2460	12900 / 17500	18900 / 25700	24900 / 33700	30900 / 42000	36900 / 50000	42900 / 58200	48900 / 66300

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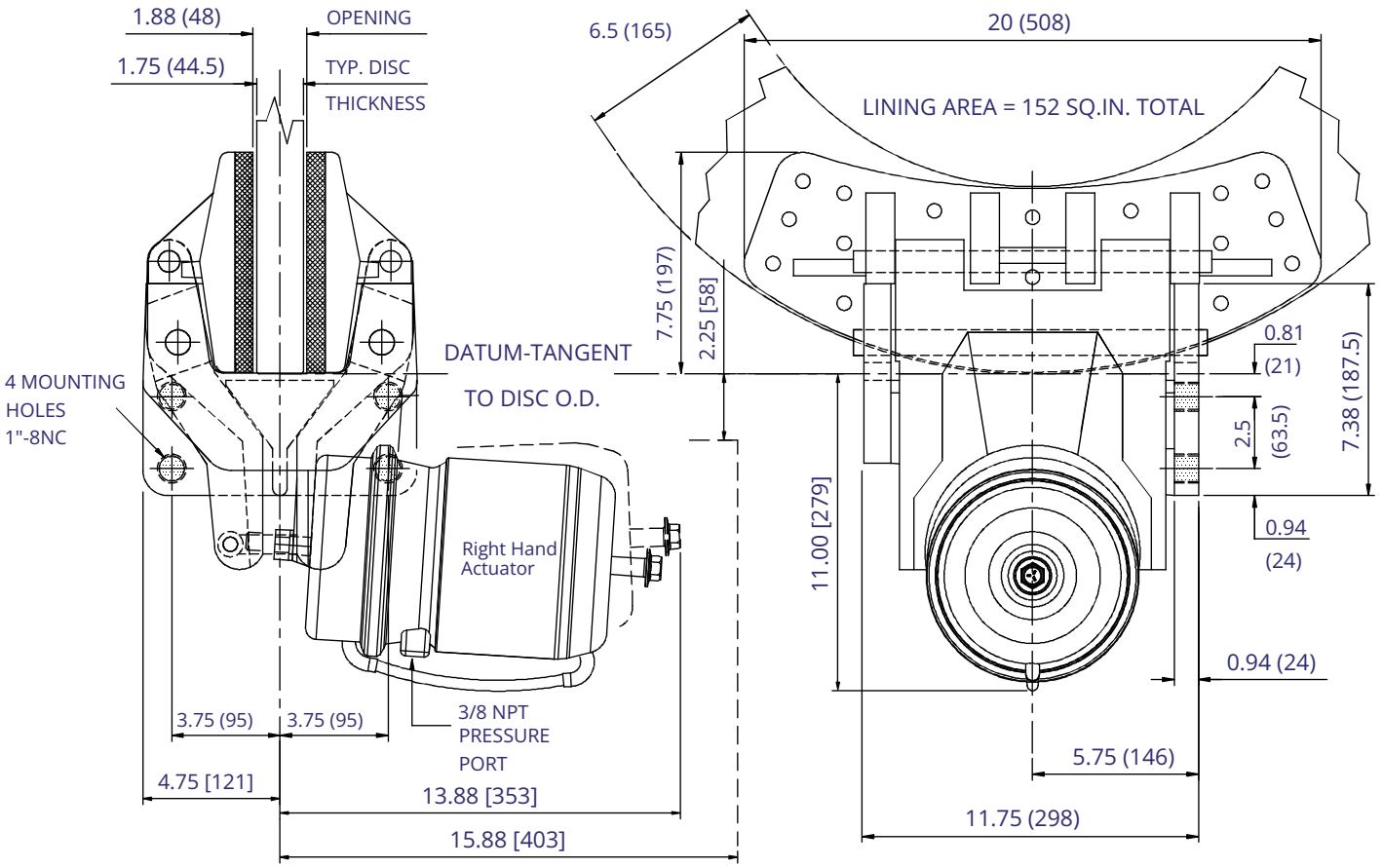
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Y18SA Series Brake Calipers (foot-mounted)

DRAWING
BCY18SA-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 1.75 in (44.5 mm); opening 1.88 in (48 mm)
- 3/8 NPT pressure port; 4 mounting holes 1"-8NC
- Overall length 13.88 in (353 mm); 15.88 in (403 mm) overall
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y18T2424A	5750 / 25500	190 / 86	78 / 537	76 / 523	130 / 896	75 / 1237	3410 / 4620	4610 / 6210	5800 / 7870	8200 / 9460
Y18T2430A	6750 / 30000	192 / 87	73 / 503	70 / 482	130 / 896	102 / 1668	4000 / 5430	5410 / 7310	6820 / 9260	9630 / 11100
Y182424A	9500 / 42200	194 / 88	78 / 537	70 / 482	145 / 999	98 / 1610	5640 / 7640	7610 / 10200	9590 / 13000	13500 / 18300
Y183030A	12700 / 56500	196 / 89	80 / 551	78 / 537	145 / 999	128 / 2100	7540 / 10200	10100 / 13700	12800 / 17400	18100 / 24500
Y18HHA	18000 / 80100	230 / 105	105 / 724	95 / 655	120 / 827	150 / 2460	10600 / 14500	14400 / 19500	18100 / 24700	25600 / 34800

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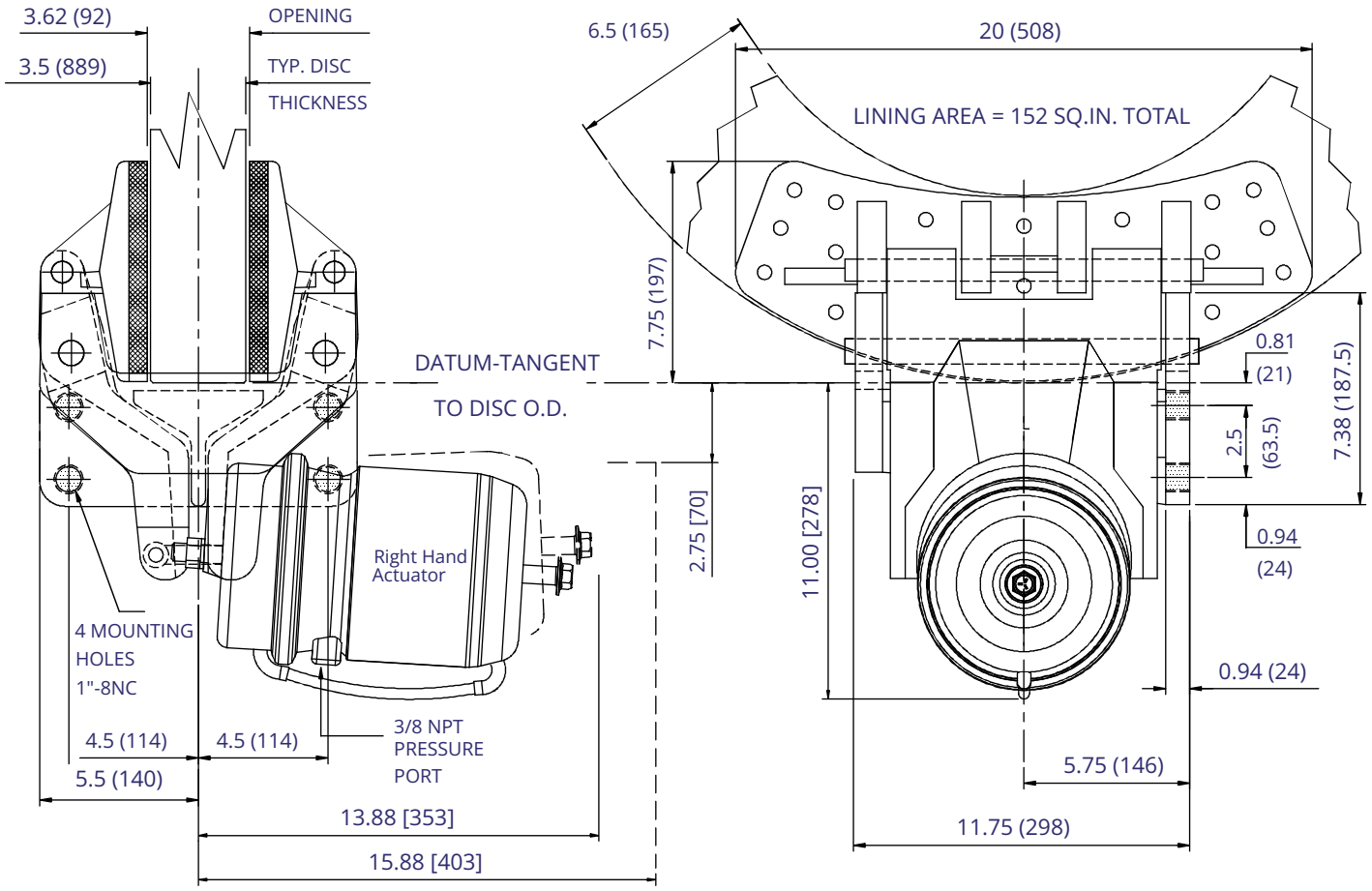
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Y1835SA Series Brake Calipers (foot-mounted)

DRAWING
BCY18SA35-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 3.5 in (89 mm); opening 3.62 in (92 mm)
- 3/8 NPT pressure port; 4 mounting holes 1"-8NC
- Overall length 13.88 in (353 mm); 15.88 in (403 mm) overall
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y1835T2424A	5750 / 25500	190 / 86	78 / 537	76 / 523	130 / 896	75 / 1237	3410 / 4620	4610 / 6210	5800 / 7870	8200 / 9460
Y1835T2430A	6750 / 30000	192 / 87	73 / 503	70 / 482	130 / 896	102 / 1668	4000 / 5430	5410 / 7310	6820 / 9260	9630 / 11100
Y18352424A	9500 / 42200	194 / 88	78 / 537	70 / 482	145 / 999	98 / 1610	5640 / 7640	7610 / 10200	9590 / 13000	13500 / 18300
Y18353030A	12700 / 56500	196 / 89	80 / 551	78 / 537	145 / 999	128 / 1770	7540 / 10200	10100 / 13700	12800 / 17400	18100 / 24500
Y1835HHA	18000 / 80100	250 / 114	105 / 724	95 / 655	120 / 827	150 / 2460	10600 / 14500	14400 / 19500	18100 / 24700	25600 / 34800

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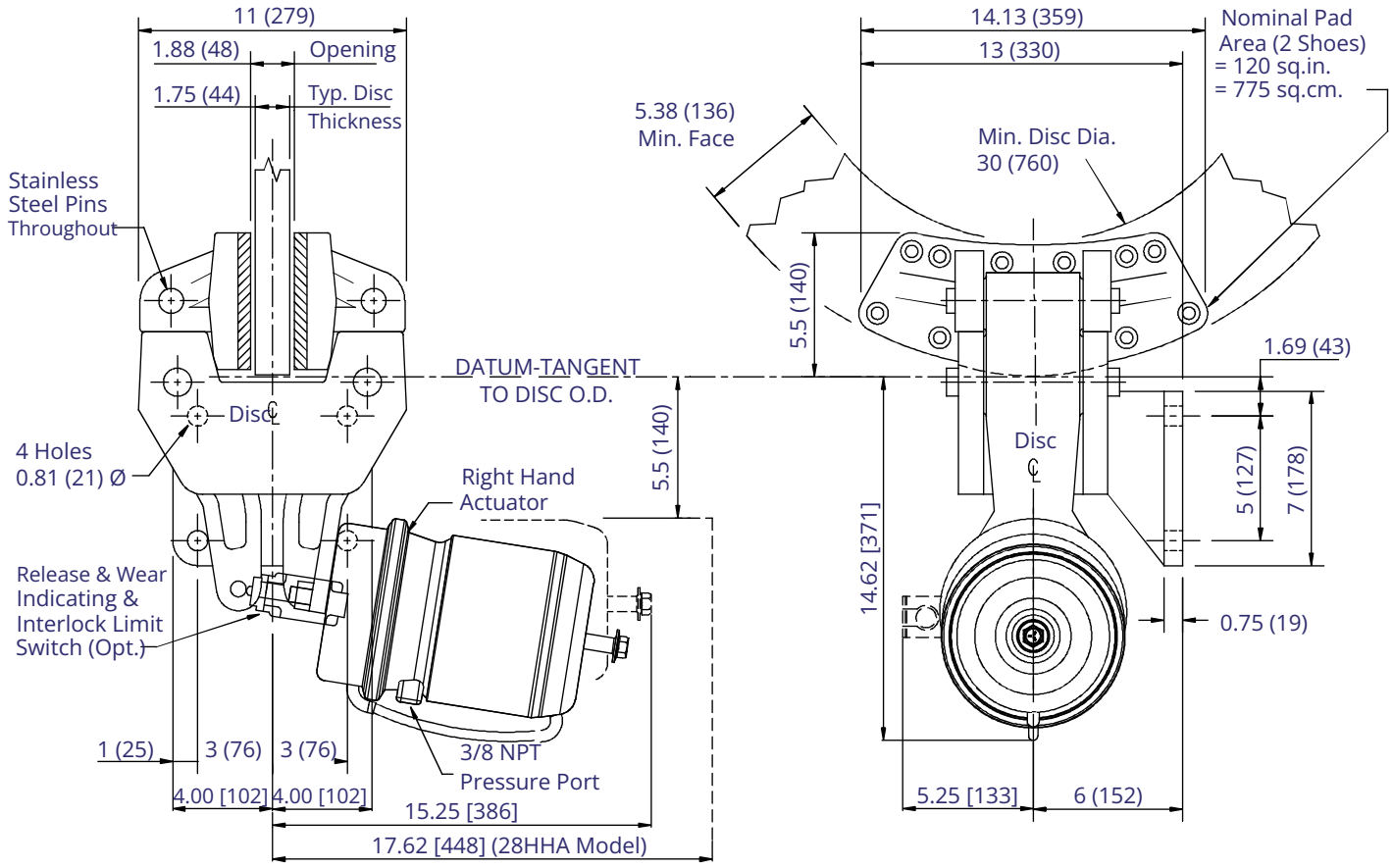
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280SA Series Brake Calipers (foot-mounted)

DRAWING
BC280SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm; typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 3/8 NPT pressure port; 4 holes 0.81 in (21 mm) dia.
- Overall length 15.25 in (386 mm); 17.62 in (448 mm) on the 28HHA model
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
28T2424A	6130 / 27200	165 / 75	78 / 537	76 / 523	130 / 896	75 / 1237	3190 / 4310	4460 / 6070	5740 / 7770	7020 / 9470	8300 / 11200	9570 / 12900	10800 / 14700
28T2430A	7200 / 32000	167 / 76	73 / 503	70 / 482	130 / 896	102 / 1668	3750 / 5060	5250 / 7140	6750 / 9140	8250 / 11100	9750 / 13200	11200 / 15200	12700 / 17300
282424A	10100 / 44900	169 / 77	78 / 537	70 / 482	145 / 999	98 / 1610	5260 / 7100	7360 / 10000	9460 / 12800	11500 / 15600	13600 / 18500	15700 / 21300	17800 / 24200
283030A	13600 / 60500	172 / 79	80 / 551	78 / 537	145 / 999	128 / 2100	7080 / 9570	9910 / 13500	12700 / 17200	15500 / 21000	18400 / 25000	21200 / 28700	24000 / 32700
28HHA	19200 / 85400	225 / 102	100 / 690	95 / 655	120 / 827	220 / 3605	10000 / 13500	14000 / 19000	18000 / 24400	22000 / 29700	26000 / 35200	30000 / 40600	34000 / 46100

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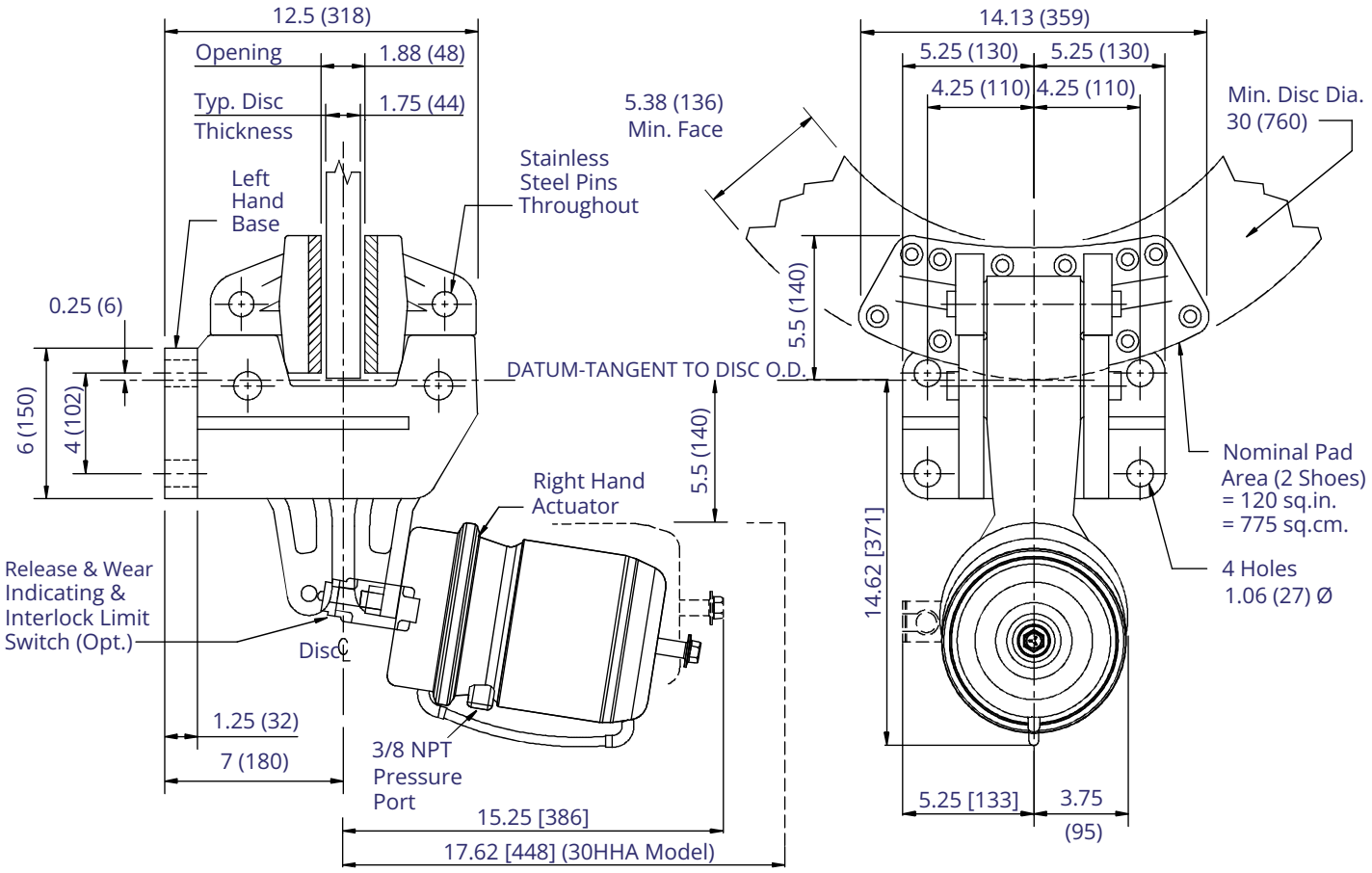
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300SA Series Brake Calipers (side-mounted)

DRAWING
BC300SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 3/8 NPT pressure port
- Typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Overall length 15.25 in (386 mm); 17.62 in (448 mm) on the 30HHA model
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
30T2424A	6130 / 27200	165 / 75	78 / 537	76 / 482	130 / 896	75 / 1237	3190 / 4310	4460 / 6070	5740 / 7770	7020 / 9470	8300 / 11200	9570 / 12900	10800 / 14700
30T2430A	7200 / 32000	167 / 76	73 / 503	70 / 482	130 / 896	102 / 1668	3750 / 5060	5250 / 7140	6750 / 9140	8250 / 11100	9750 / 13200	11200 / 15200	12700 / 17300
302424A	10100 / 44900	168 / 77	78 / 537	70 / 482	145 / 999	98 / 1610	5260 / 7100	7360 / 10000	9460 / 12800	11500 / 15600	13600 / 18500	15700 / 21300	17800 / 24200
303030A	13600 / 60500	169 / 78	80 / 551	78 / 537	145 / 999	128 / 2100	7080 / 9570	9910 / 13500	12700 / 17200	15500 / 21000	18400 / 25000	21200 / 28700	24000 / 32700
30HHA	19200 / 85400	221 / 100	100 / 690	95 / 655	120 / 827	220 / 3605	10000 / 13500	14000 / 19000	18000 / 24400	22000 / 29700	26000 / 35200	30000 / 40600	34000 / 46100

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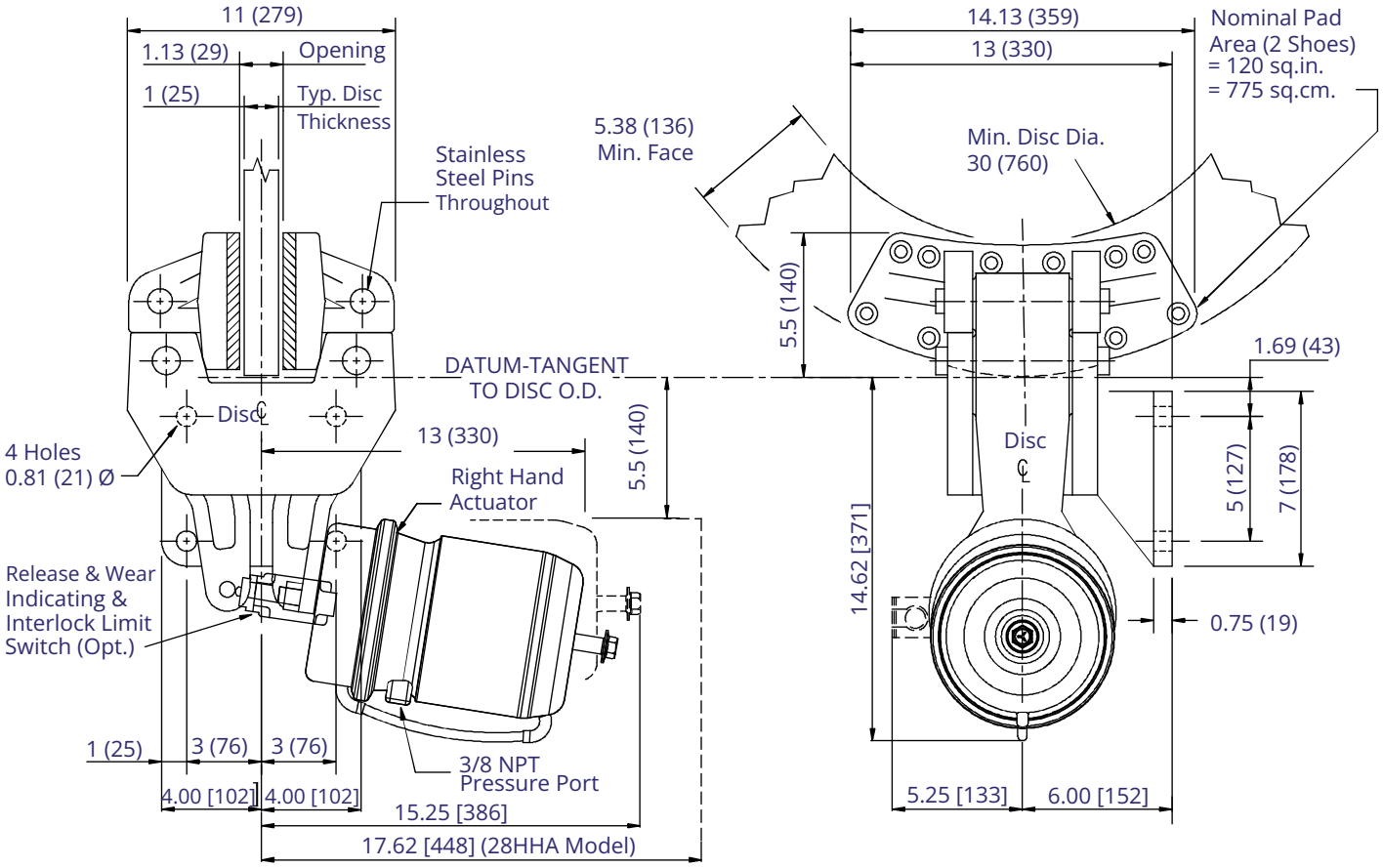
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280SAX Series Brake Calipers (foot-mounted)

DRAWING
BC280SAX-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 3/8 NPT pressure port
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 0.81 in (21 mm) dia.
- Overall length 15.25 in (386 mm); 17.62 in (448 mm) on the 28HHAX model
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
28T2424AX	9200 / 40900	165 / 75	78 / 537	76 / 523	130 / 896	75 / 1237	4790 / 6470	6700 / 9130	8620 / 11600	10500 / 14200	12400 / 16900	14300 / 19400	16200 / 22100
28T2430AX	10800 / 48000	167 / 76	73 / 503	70 / 482	130 / 896	102 / 1668	5620 / 7600	7870 / 10700	10100 / 13700	12300 / 16700	14600 / 19800	16800 / 22800	19100 / 25900
282424AX	15200 / 67600	169 / 77	78 / 537	70 / 482	145 / 999	98 / 1610	7910 / 10600	11000 / 15000	14200 / 19300	17400 / 23500	20500 / 27900	23700 / 32100	26900 / 36500
283030AX	20400 / 90700	172 / 79	80 / 551	78 / 537	145 / 999	128 / 2100	10600 / 14300	14800 / 20200	19100 / 25900	23300 / 31500	27600 / 37400	31800 / 43100	36100 / 49000
28HHAX	28800 / 128000	225 / 102	100 / 690	95 / 655	120 / 827	220 / 3605	15000 / 20200	21000 / 28500	27000 / 36500	33000 / 44500	39000 / 52800	45000 / 60800	51000 / 69200

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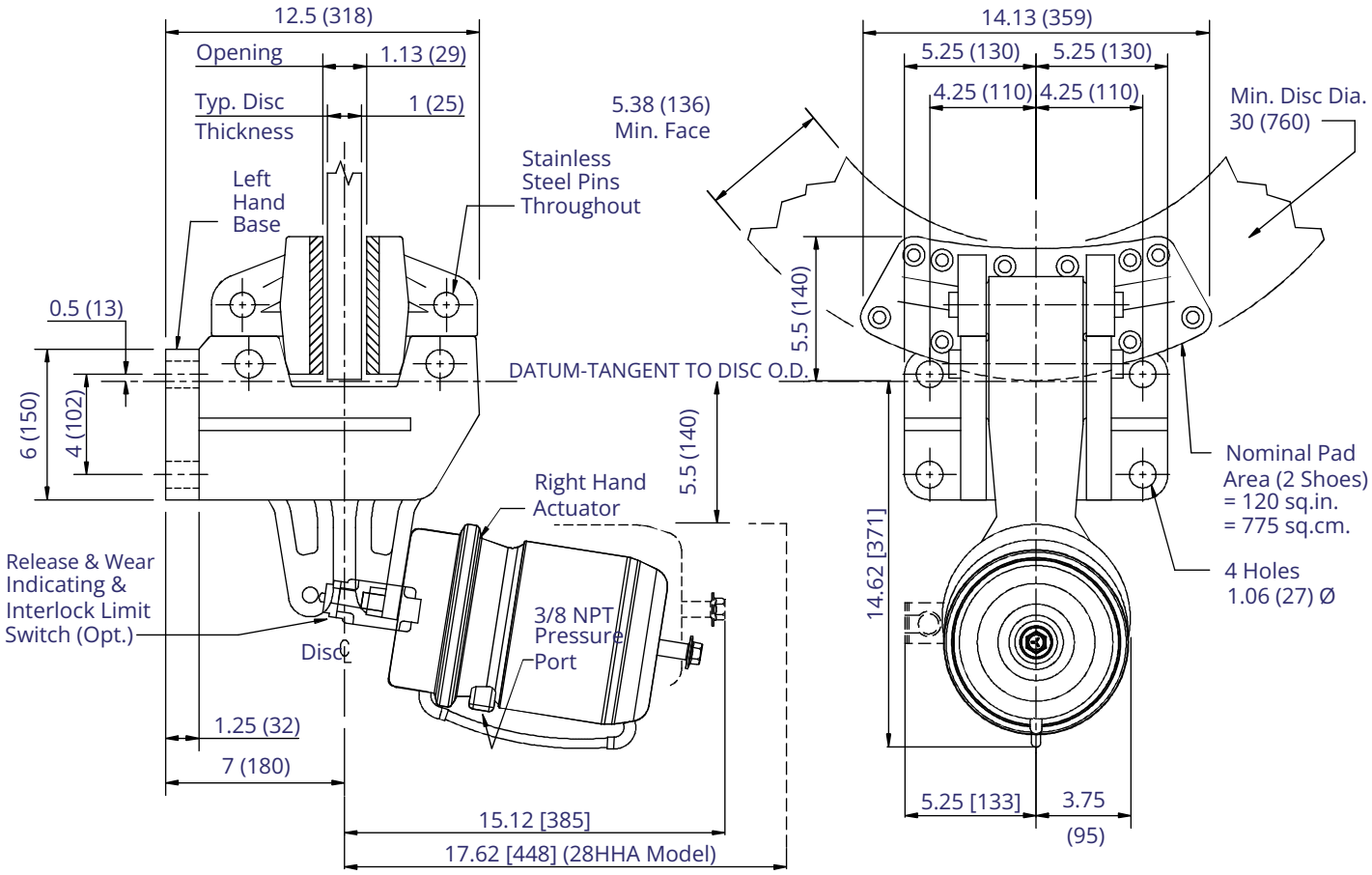
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300SAX Series Brake Calipers (side-mounted)

DRAWING
BC300SAX-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 3/8 NPT pressure port
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Overall length 15.12 in (385 mm); 17.62 in (448 mm) on the 30HHAX model
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
30T2424AX	9200 / 40900	165 / 75	78 / 537	76 / 523	130 / 896	75 / 1237	4790 / 6470	6700 / 9130	8620 / 11600	10500 / 14200	12400 / 16900	14300 / 19400	16200 / 22100
30T2430AX	10800 / 48000	167 / 76	73 / 503	70 / 482	130 / 896	102 / 1668	5620 / 7600	7870 / 10700	10100 / 13700	12300 / 16700	14600 / 19800	16800 / 22800	19100 / 25900
302424AX	15200 / 67600	168 / 76	78 / 537	70 / 487	145 / 999	98 / 1610	7910 / 10600	11000 / 15000	14200 / 19300	17400 / 23500	20500 / 27900	23700 / 32100	26900 / 36500
303030AX	20400 / 90700	169 / 77	80 / 551	78 / 537	145 / 999	128 / 2100	10600 / 14300	14800 / 20200	19100 / 25900	23300 / 31500	27600 / 37400	31800 / 43100	36100 / 49000
30HHAX	28800 / 128000	221 / 100	100 / 690	95 / 655	120 / 827	220 / 3605	15000 / 20200	21000 / 28500	27000 / 36500	33000 / 44500	39000 / 52800	45000 / 60800	51000 / 69200

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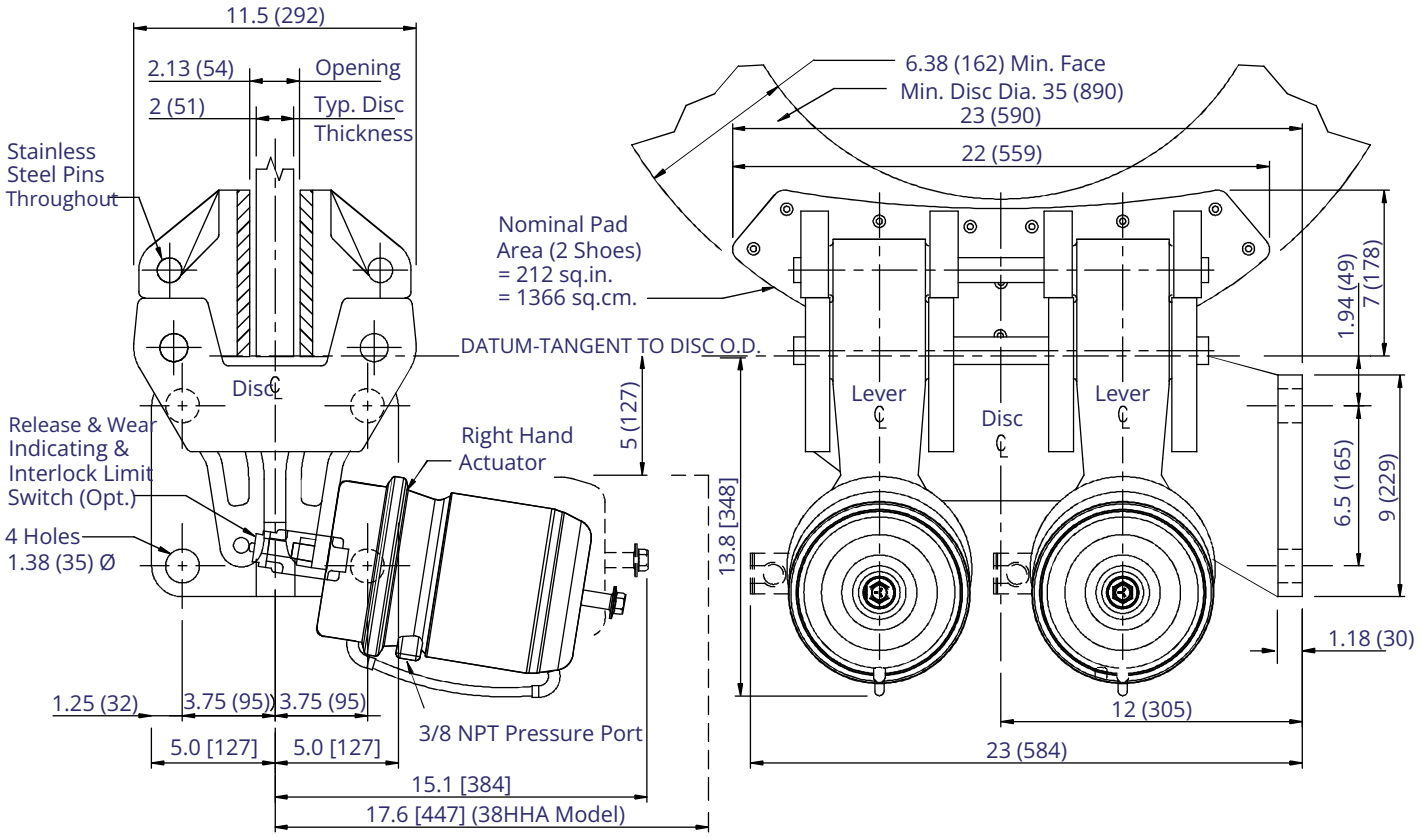
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380SA Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 4 holes 1.38 in (35 mm) dia.
- Overall length 15.1 in (384 mm); 17.6 in (447 mm) on the 38HHA model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/890 lb-ft/Nm	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160	@95/2410
38T2424A	12200 / 54200	384 / 174	78 / 537	76 / 523	130 / 896	75 / 1237	7300 / 9990	9910 / 13380	12400 / 16900	14900 / 20200	17500 / 23700	20000 / 27200	22600 / 30500
38T2430A	14400 / 64000	386 / 175	73 / 503	70 / 482	130 / 896	102 / 1668	8700 / 11800	11700 / 15800	14700 / 19900	17700 / 23900	20700 / 28000	23700 / 32100	26700 / 36100
382424A	20200 / 89800	388 / 176	78 / 537	70 / 482	145 / 999	98 / 1610	12200 / 16500	16400 / 22100	20600 / 28000	24800 / 33600	29000 / 39300	33200 / 45000	37400 / 50600
383030A	27200 / 121000	390 / 177	80 / 551	78 / 537	145 / 999	128 / 2100	16400 / 22300	22100 / 29800	27700 / 37700	33400 / 45300	39100 / 53000	44700 / 60700	50400 / 68200
38HHA	38400 / 171000	494 / 225	100 / 690	95 / 655	120 / 827	440 / 7210	23200 / 31500	31200 / 42200	39200 / 53300	47200 / 64000	55200 / 74900	63200 / 85800	71200 / 96500

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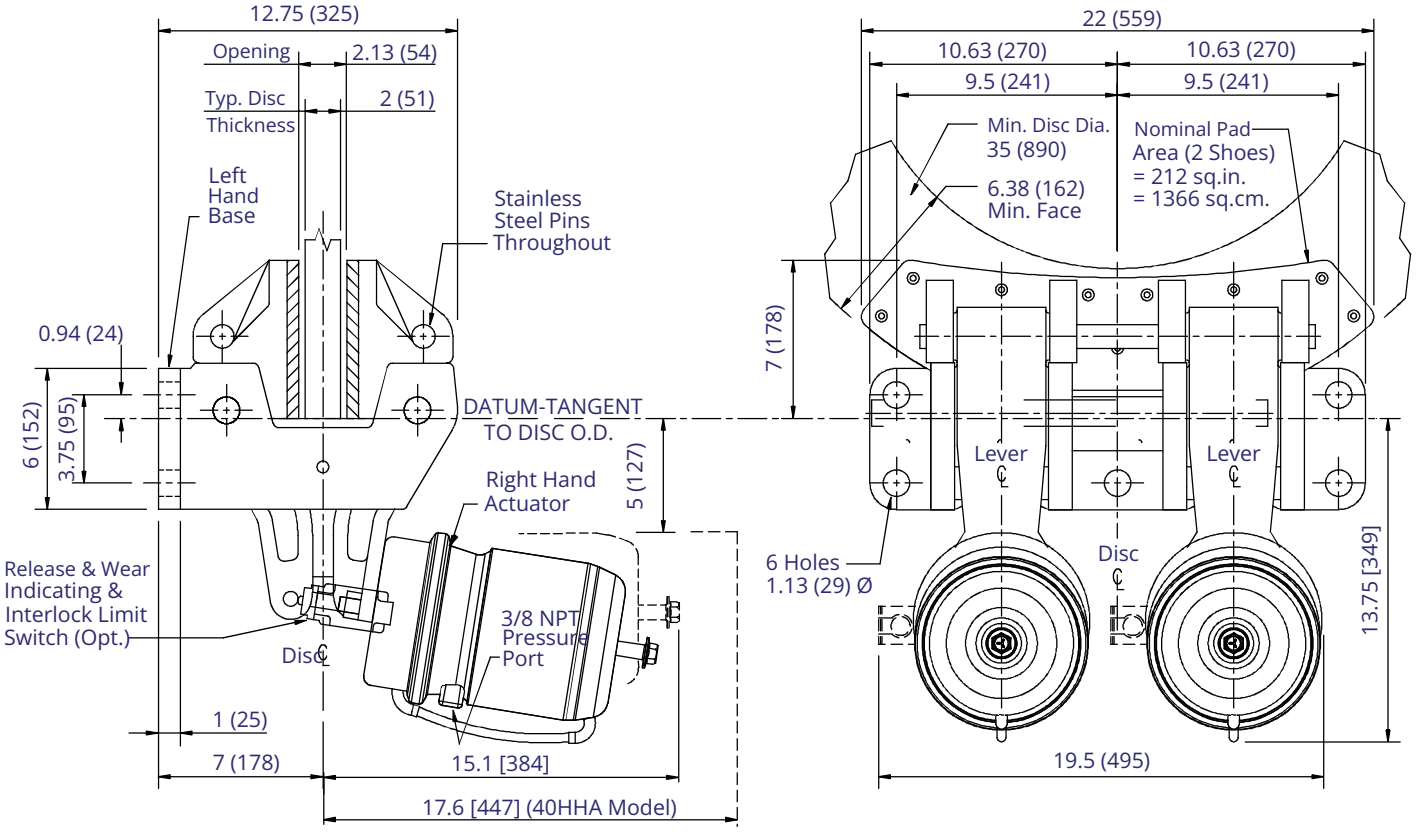
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400SA Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Overall length 15.1 in (384 mm); 17.6 in (447 mm) on the 40HHA model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/890 lb-ft/Nm	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160	@95/2410
40T2424A	12200 / 54200	384 / 174	78 / 537	76 / 523	130 / 896	75 / 1237	7300 / 9990	9910 / 13380	12400 / 16900	14900 / 20200	17500 / 23700	20000 / 27200	22600 / 30500
40T2430A	14400 / 64000	386 / 175	73 / 503	70 / 482	130 / 896	102 / 1668	8700 / 11800	11700 / 15800	14700 / 19900	17700 / 23900	20700 / 28000	23700 / 32100	26700 / 36100
402424A	20200 / 89800	388 / 176	78 / 537	70 / 482	145 / 999	98 / 1610	12200 / 16500	16400 / 22100	20600 / 28000	24800 / 33600	29000 / 39300	33200 / 45000	37400 / 50600
403030A	27200 / 121000	390 / 177	80 / 551	78 / 537	145 / 999	128 / 2100	16400 / 22300	22100 / 29800	27700 / 37700	33400 / 45300	39100 / 53000	44700 / 60700	50400 / 68200
40HHA	38400 / 171000	494 / 225	100 / 690	95 / 655	120 / 827	440 / 7210	23200 / 31500	31200 / 42200	39200 / 53300	47200 / 64000	55200 / 74900	63200 / 85800	71200 / 96500

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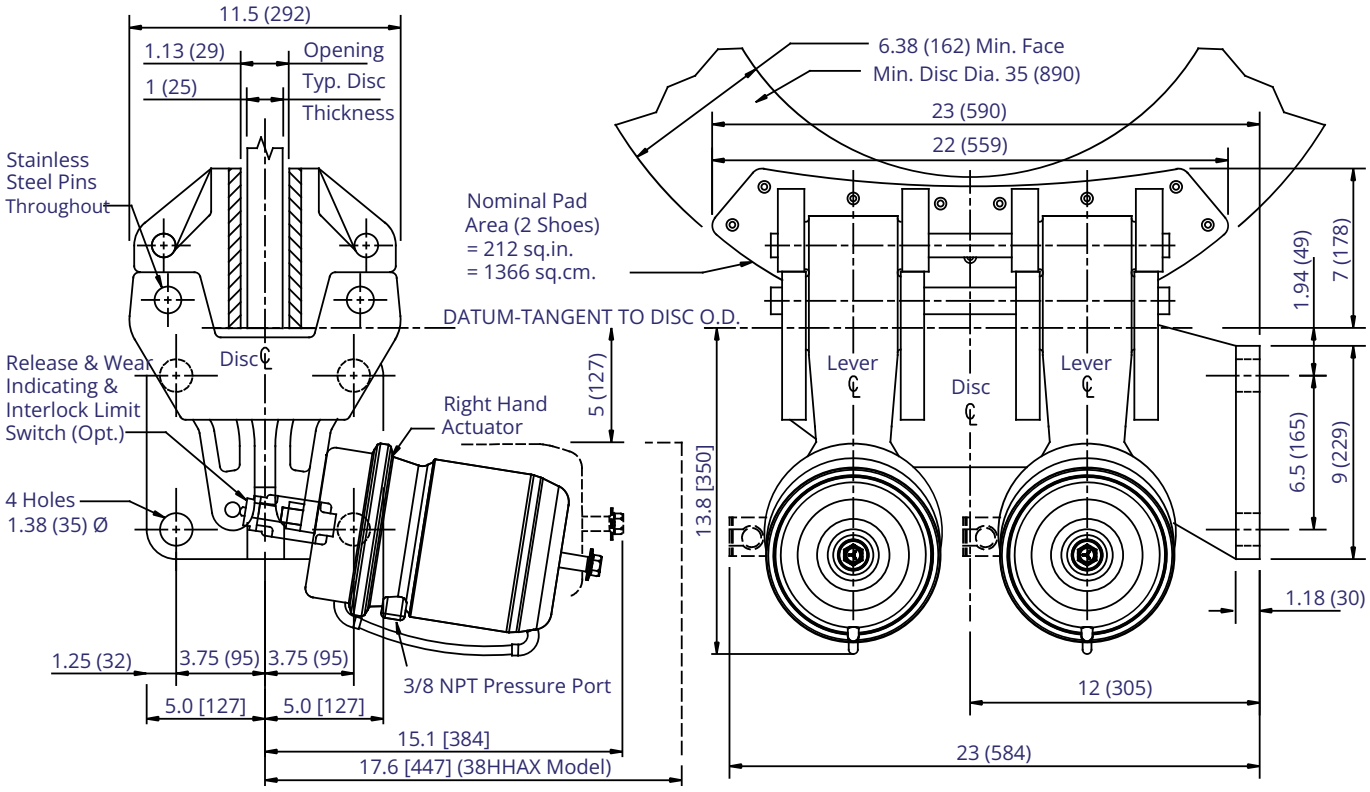
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380SAX Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380SAX-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.38 in (35 mm) dia.
- Overall length 15.1 in (384 mm); 17.6 in (447 mm) on the 38HHAX model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/890 lb-ft/Nm	@45/1140	@55/1400	@65/1650	@75/1905
38T2424AX	18400 / 81800	384 / 174	78 / 537	76 / 523	130 / 896	150 / 2474	11100 / 15000	14900 / 20100	18700 / 25500	22600 / 30600	26400 / 35800
38T2430AX	21600 / 96100	386 / 175	73 / 503	70 / 482	130 / 896	204 / 3336	13000 / 17700	17500 / 23700	22000 / 29900	26500 / 35900	31000 / 42100
382424AX	30400 / 135000	388 / 176	78 / 551	70 / 482	145 / 999	197 / 3220	18300 / 24800	24700 / 33300	31000 / 42100	37300 / 50500	43700 / 59100
383030AX	40800 / 181000	390 / 177	80 / 551	78 / 537	145 / 999	256 / 4200	24600 / 33300	33100 / 44600	41600 / 56400	50100 / 67700	58600 / 79300
38HHAX	57600 / 256000	494 / 225	100 / 690	95 / 655	120 / 827	440 / 7210	34800 / 47200	46800 / 63200	58800 / 79800	70800 / 95800	82800 / 112000

Model no.	@85/2160	@95/2410
38T2424AX	30200 / 41000	34100 / 46100
38T2430AX	35500 / 48200	40000 / 54200
382424AX	50000 / 67700	56300 / 76100
383030AX	67100 / 90800	75600 / 102100
38HHAX	94800 / 128400	106800 / 144600

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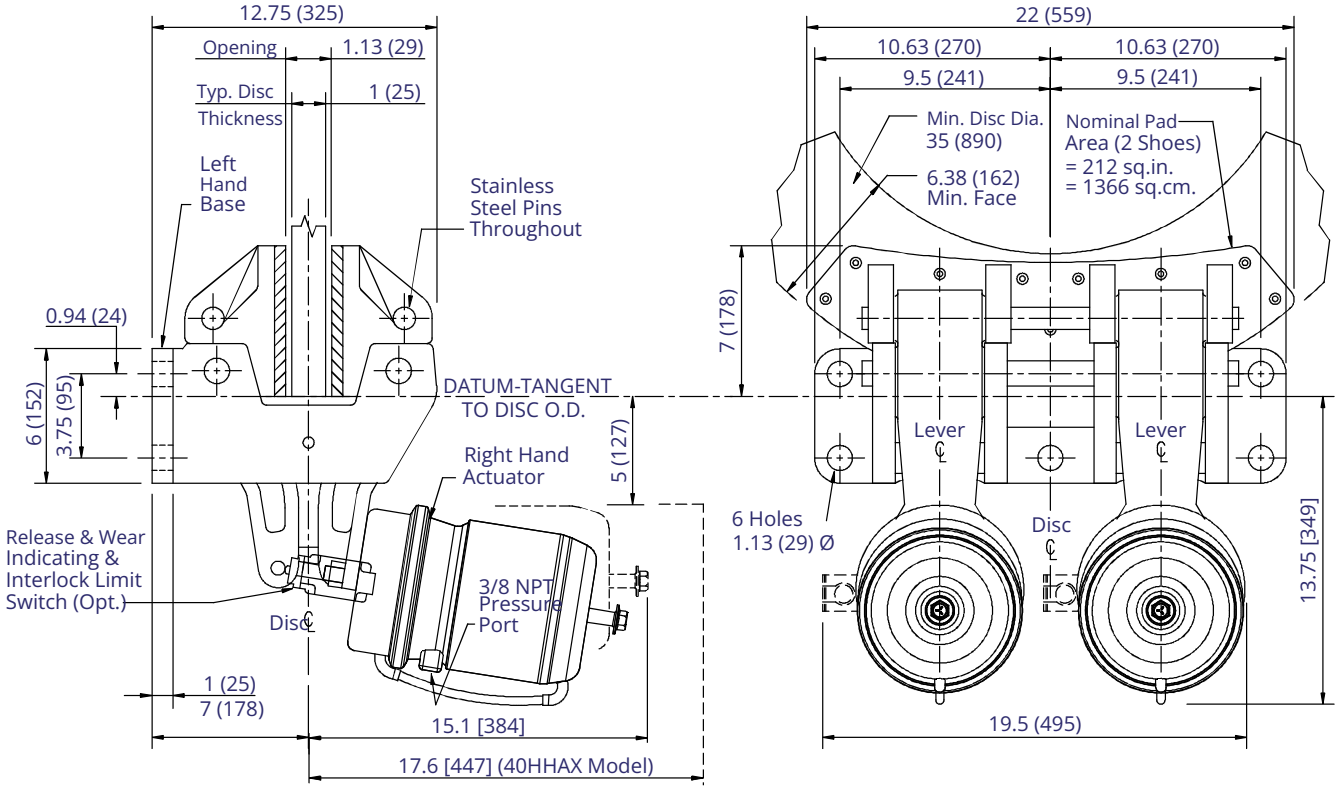
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400SAX Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400SAX-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Overall length 15.1 in (384 mm); 17.6 in (447 mm) on the 40HHAX model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @35in/890 lb-ft/Nm	@45/1140	@55/1400	@65/1650	@75/1905
40T2424AX	18400 / 81800	384 / 174	78 / 537	76 / 523	130 / 896	150 / 2474	11100 / 15000	14900 / 20100	18700 / 25500	22600 / 30600	26400 / 35800
40T2430AX	21600 / 96100	386 / 175	73 / 503	70 / 482	130 / 896	204 / 3336	13000 / 17700	17500 / 23700	22000 / 29900	26500 / 35900	31000 / 42100
402424AX	30400 / 135000	388 / 176	78 / 551	70 / 482	145 / 999	197 / 3220	18300 / 24800	24700 / 33300	31000 / 42100	37300 / 50500	43700 / 59100
403030AX	40800 / 181000	390 / 177	80 / 551	78 / 537	145 / 999	256 / 4200	24600 / 33300	33100 / 44600	41600 / 56400	50100 / 67700	58600 / 79300
40HHAX	57600 / 256000	494 / 225	100 / 690	95 / 655	120 / 827	440 / 7210	34800 / 47200	46800 / 63200	58800 / 79800	70800 / 95800	82800 / 112000

Model no.	@85/2160	@95/2410
40T2424AX	30200 / 41000	34100 / 46100
40T2430AX	35500 / 48200	40000 / 54200
402424AX	50000 / 67700	56300 / 76100
403030AX	67100 / 90800	75600 / 102100
40HHAX	94800 / 128400	106800 / 144600

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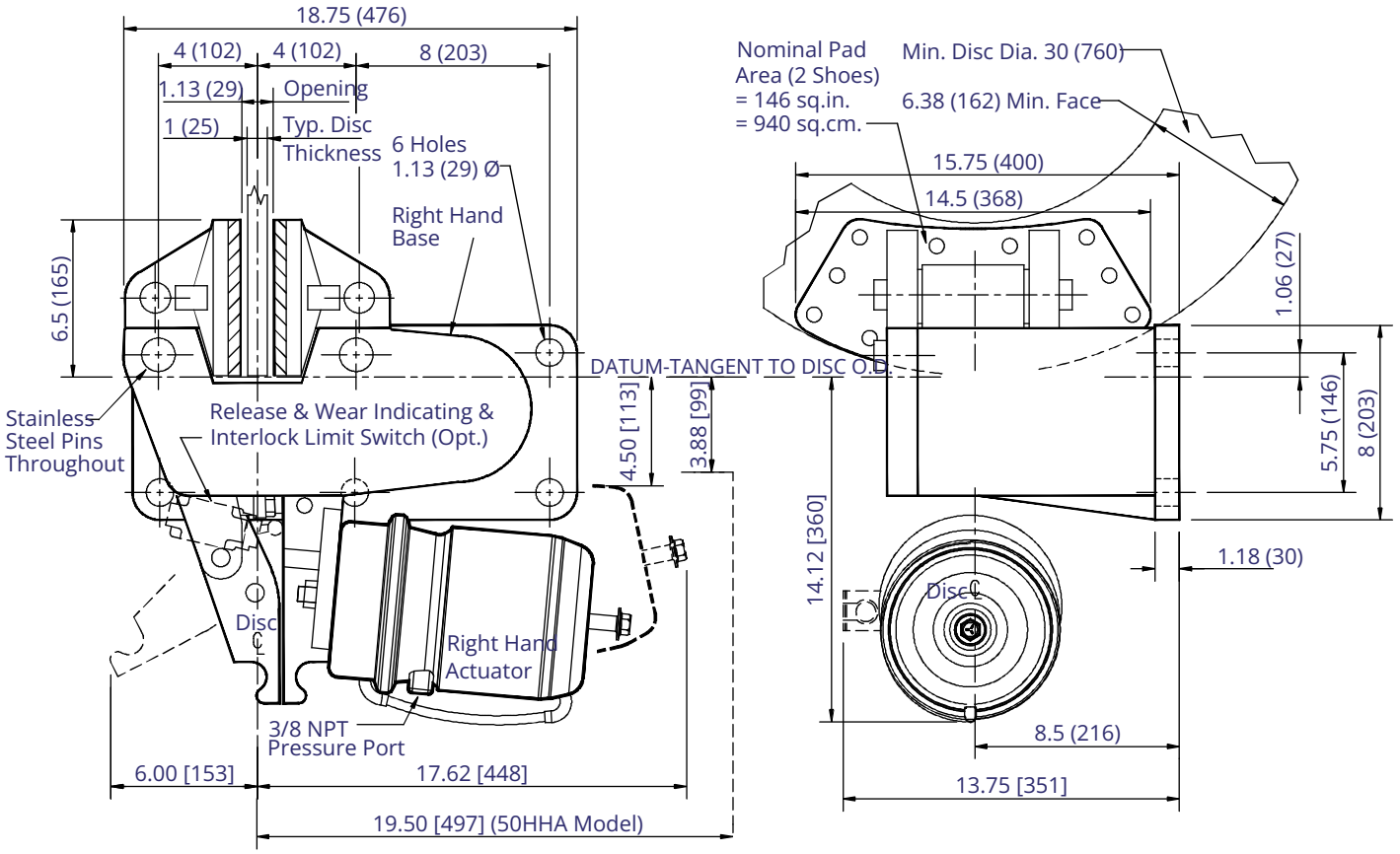
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480SA Series Brake Calipers (foot-mounted)

DRAWING
BC480SA-1.6



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 480SA Series not available in LH/LH or RH/RH models
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 146 sq.in / 940 sq.cm
- 3/8 NPT pressure port
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.13 in (29 mm) dia.; right-hand base shown
- Overall length 17.62 in (448 mm); 19.50 in (497 mm) on the 50HHA model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
48T2424A	12400 / 55100	272 / 124	78 / 537	76 / 523	130 / 896	75 / 1237	6200 / 8260	8780 / 11900	11300 / 15300	14000 / 18800	16500 / 22400	19100 / 25800	21700 / 29400
48T2430A	14600 / 64900	273 / 124	73 / 503	70 / 482	130 / 896	102 / 1668	7300 / 9850	10340 / 14000	13300 / 18000	16400 / 22100	19400 / 26400	22500 / 30400	25500 / 34600
482424A	20600 / 91600	274 / 125	78 / 537	70 / 482	145 / 999	98 / 1610	10300 / 13900	14590 / 19800	18800 / 25500	23100 / 31300	27400 / 37200	31700 / 42900	36000 / 48900
483030A	27700 / 123000	275 / 125	80 / 551	78 / 537	145 / 999	128 / 2100	13800 / 18600	19600 / 26600	25300 / 34300	31100 / 42000	36900 / 50000	42700 / 57700	48400 / 65700
48HHA	39100 / 174000	327 / 149	100 / 690	95 / 655	120 / 827	220 / 3605	19500 / 26400	27700 / 37700	35800 / 48600	44000 / 59400	52100 / 70800	60200 / 81600	68400 / 92960

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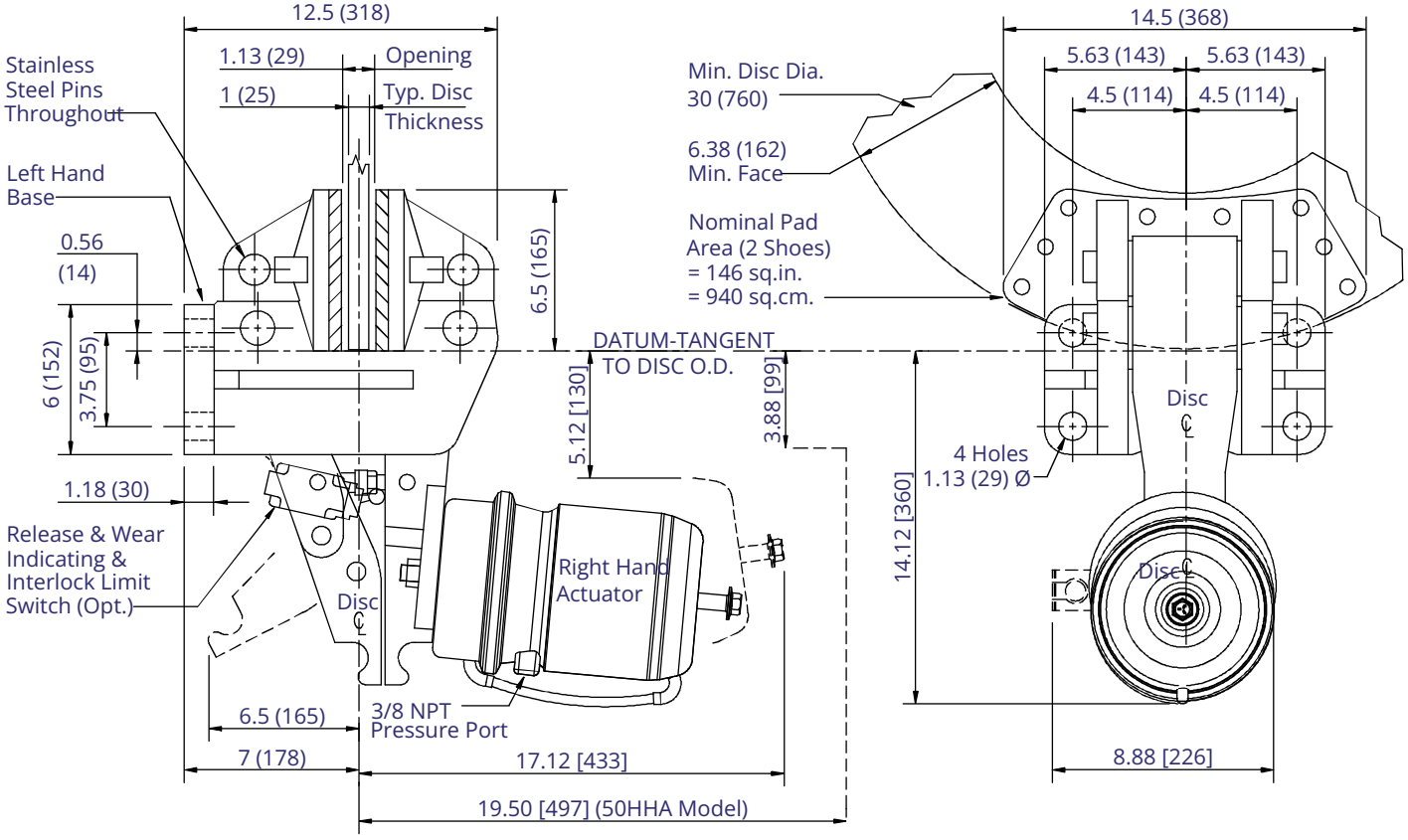
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500SA Series Brake Calipers (side-mounted)

DRAWING
BC500SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 146 sq.in / 940 sq.cm
- 3/8 NPT pressure port
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.13 in (29 mm) dia.; left-hand base shown
- Overall length 17.12 in (433 mm); 19.50 in (497 mm) on the 50HHA model
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @30in/760 lb-ft/Nm	@40/1020	@50/1270	@60/1520	@70/1780	@80/2030	@90/2290
50T2424A	12400 / 55100	203 / 92	78 / 537	76 / 523	130 / 896	75 / 1237	6200 / 8260	8780 / 11900	11300 / 15300	14000 / 18800	16500 / 22400	19100 / 25800	21700 / 29400
50T2430A	14600 / 64900	204 / 93	73 / 503	70 / 482	130 / 896	102 / 1668	7300 / 9850	10340 / 14000	13300 / 18000	16400 / 22100	19400 / 26400	22500 / 30400	25500 / 34600
502424A	20600 / 91600	205 / 93	78 / 537	70 / 482	145 / 999	98 / 1610	10300 / 13900	14590 / 19800	18800 / 25500	23100 / 31300	27400 / 37200	31700 / 42900	36000 / 48900
503030A	27700 / 123000	206 / 94	80 / 551	78 / 537	145 / 999	128 / 2100	13800 / 18600	19600 / 26600	25300 / 34300	31100 / 42000	36900 / 50000	42700 / 57700	48400 / 65700
50HHA	39100 / 174000	258 / 117	100 / 690	95 / 655	120 / 827	220 / 3605	19500 / 26400	27700 / 37700	35800 / 48600	44000 / 59400	52100 / 70800	60200 / 81600	68400 / 92960

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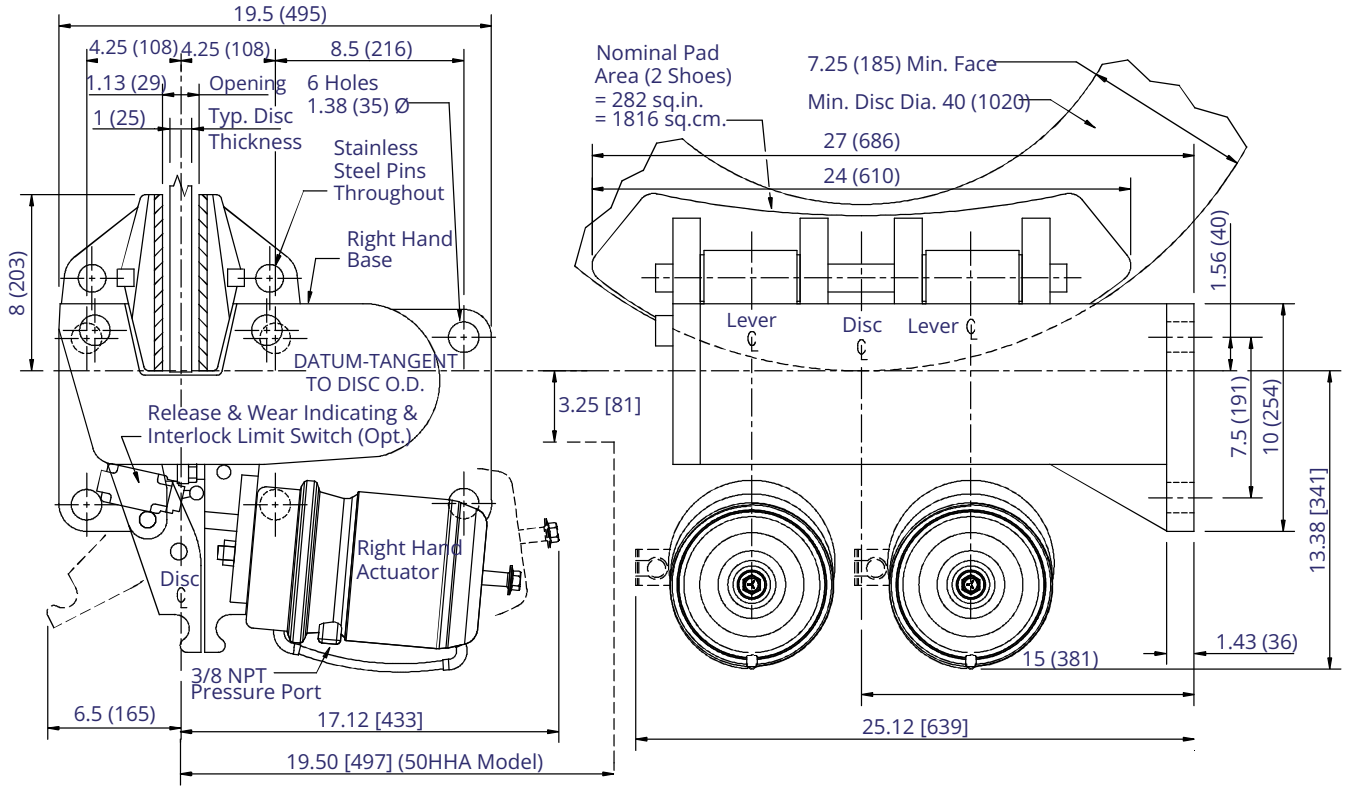
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580SA Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC580SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.38 in (35 mm) dia.; right-hand base shown
- Overall length 17.12 in (433 mm); 19.50 in (497 mm) on the 50HHA model
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @40in/1020 lb-ft/Nm	@50/1270	@60/1520	@70/1780	@80/2030
58T2424A	24900 / 110000	644 / 292	78 / 537	76 / 523	130 / 896	150 / 2474	17000 / 23000	22200 / 29900	27400 / 36800	32600 / 43900	37800 / 50800
58T2430A	29300 / 130000	646 / 293	73 / 503	70 / 482	130 / 896	204 / 3336	20000 / 27200	26100 / 35300	32200 / 43500	38300 / 51900	44400 / 60000
582424A	41200 / 183000	648 / 294	78 / 537	70 / 482	145 / 999	197 / 3220	28200 / 38300	36700 / 49800	45300 / 61200	53900 / 73100	62500 / 84500
583030A	55400 / 246000	650 / 295	80 / 551	78 / 537	145 / 999	256 / 4200	37900 / 51600	49400 / 66900	61000 / 82300	72500 / 98300	84100 / 113700
58HHA	78200 / 347900	754 / 343	100 / 690	95 / 655	120 / 827	440 / 7210	53500 / 72700	69800 / 94400	86100 / 116100	102400 / 138700	118700 / 160400

Model no.	@90/2290	@100/2540
58T2424A	42900 / 58000	48100 / 64800
58T2430A	50500 / 68500	56600 / 76600
582424A	71100 / 96400	79700 / 107900
583030A	95600 / 129700	107000 / 145000
58HHA	135000 / 183000	151300 / 204600

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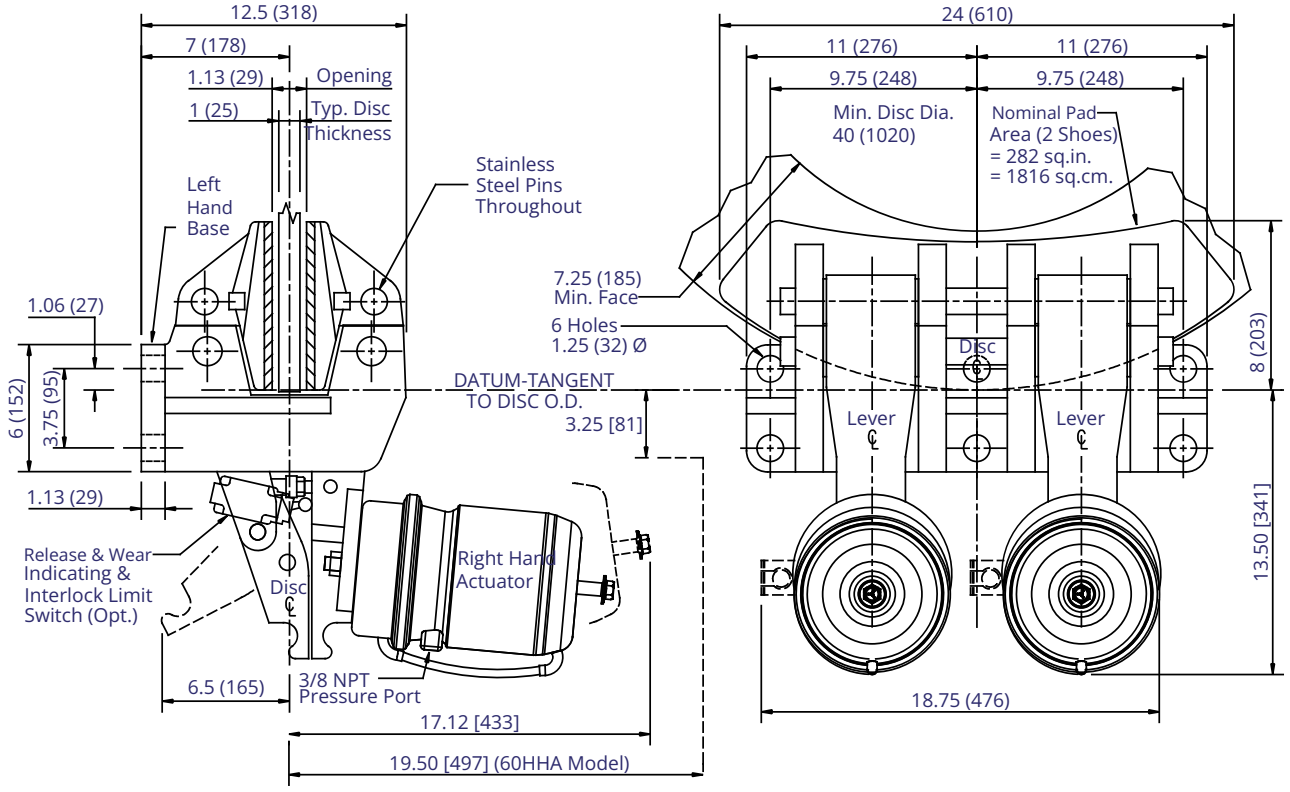
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600SA Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC600SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- 3/8 NPT pressure port; twin lever/actuator arrangement
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 6 holes 1.25 in (32 mm) dia.; left-hand base shown
- Overall length 17.12 in (433 mm); 19.50 in (497 mm) on the 60HHA model
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @40in/1020 lb-ft/Nm	@50/1270	@60/1520	@70/1780	@80/2030
60T2424A	24900 / 110000	644 / 292	78 / 537	76 / 523	130 / 896	150 / 2474	17000 / 23000	22200 / 29900	27400 / 36800	32600 / 43900	37800 / 50800
60T2430A	29300 / 130000	646 / 293	73 / 503	70 / 482	130 / 896	204 / 3336	20000 / 27200	26100 / 35300	32200 / 43500	38300 / 51900	44400 / 60000
602424A	41200 / 183000	648 / 295	78 / 537	70 / 482	145 / 999	197 / 3220	28200 / 38300	36700 / 49800	45300 / 61200	53900 / 73100	62500 / 84500
603030A	55400 / 246000	650 / 295	80 / 551	78 / 537	145 / 999	256 / 4200	37900 / 51600	49400 / 66900	61000 / 82300	72500 / 98300	84100 / 113700
60HHA	78200 / 347900	654 / 297	100 / 690	95 / 655	120 / 827	440 / 7210	53500 / 72700	69800 / 94400	86100 / 116100	102400 / 138700	118700 / 160400

Model no.	@90/2290	@100/2540
60T2424A	42900 / 58000	48100 / 64800
60T2430A	50500 / 68500	56600 / 76600
602424A	71100 / 96400	79700 / 107900
603030A	95600 / 129700	107000 / 145000
60HHA	135000 / 183000	151300 / 204600

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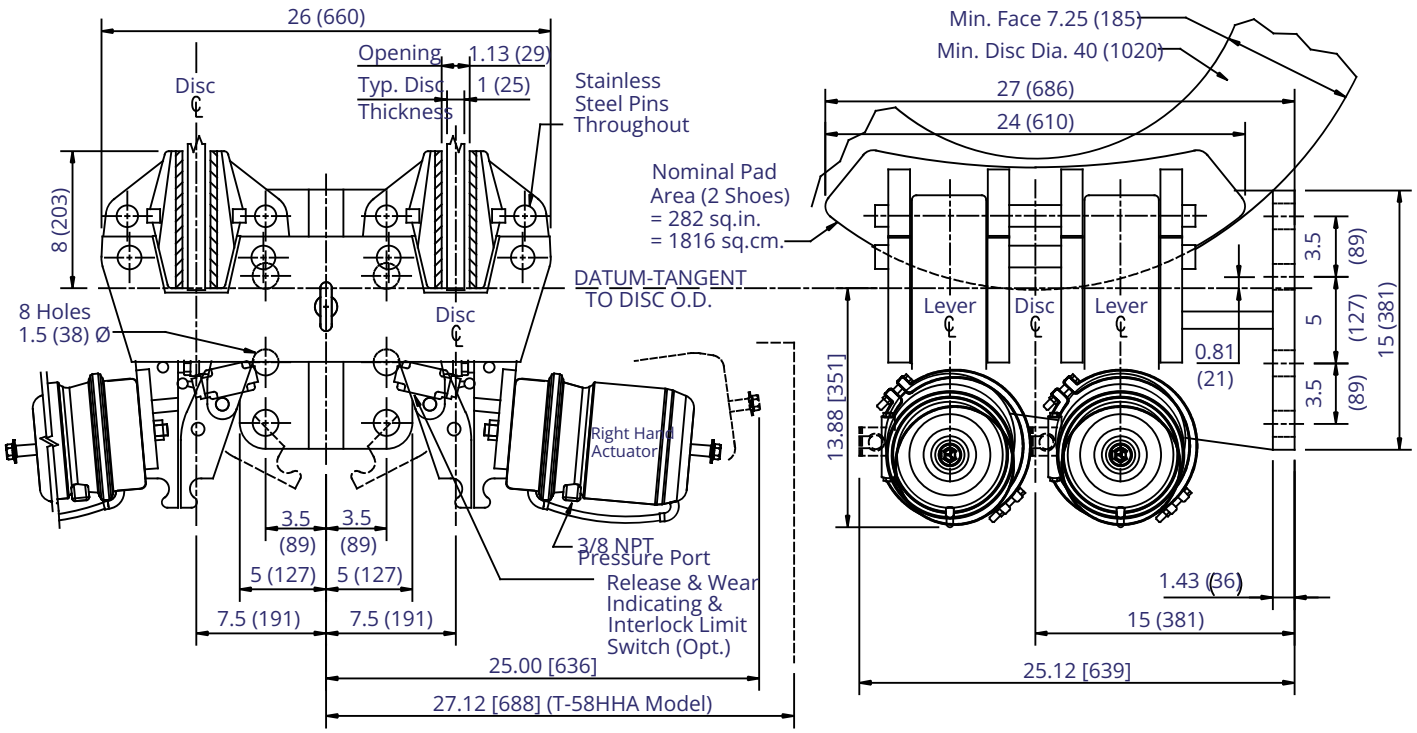
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T58SA Series Brake Calipers

(foot-mounted, twin caliper)

DRAWING
BCT58SA-1.5



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & air released
- Stainless steel pins throughout
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 3/8 NPT pressure port; 8 holes 1.5 in (38 mm) dia.
- Overall length 25.00 in (636 mm); 27.12 in (688 mm) on the T-58HHA model
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release pressure psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @40in/1020 lb-ft/Nm	@50/1270	@60/1520	@70/1780
T-58T2424A	49900 / 222000	1158 / 527	78 / 537	76 / 523	130 / 896	300 / 4950	34100 / 46600	44500 / 60400	54900 / 74300	65300 / 88700
T-58T2430A	58600 / 260000	1160 / 528	73 / 503	70 / 482	130 / 896	408 / 6670	40100 / 53500	52300 / 70700	64500 / 87000	76700 / 103900
T-582424A	82500 / 367000	1163 / 529	78 / 537	70 / 482	145 / 999	394 / 6440	56400 / 76900	73600 / 99900	90800 / 122800	108000 / 146700
T-583030A	110000 / 489000	1167 / 530	80 / 551	78 / 537	145 / 999	512 / 8400	75300 / 102500	98200 / 133000	121100 / 163000	144000 / 195000
T-58HHA	156000 / 694000	1375 / 625	100 / 690	95 / 655	120 / 827	880 / 14420	107000 / 145500	139000 / 189000	171000 / 232000	204000 / 277000

Model no.	@80/2030	@90/2290	@100/2540
T-58T2424A	75700 / 102600	86100 / 117000	96500 / 130000
T-58T2430A	88900 / 120000	101100 / 137000	113300 / 153000
T-582424A	125000 / 170000	142000 / 193000	159000 / 216000
T-583030A	167000 / 226000	190000 / 257000	212000 / 288000
T-58HHA	236000 / 320000	269000 / 360000	301000 / 409000

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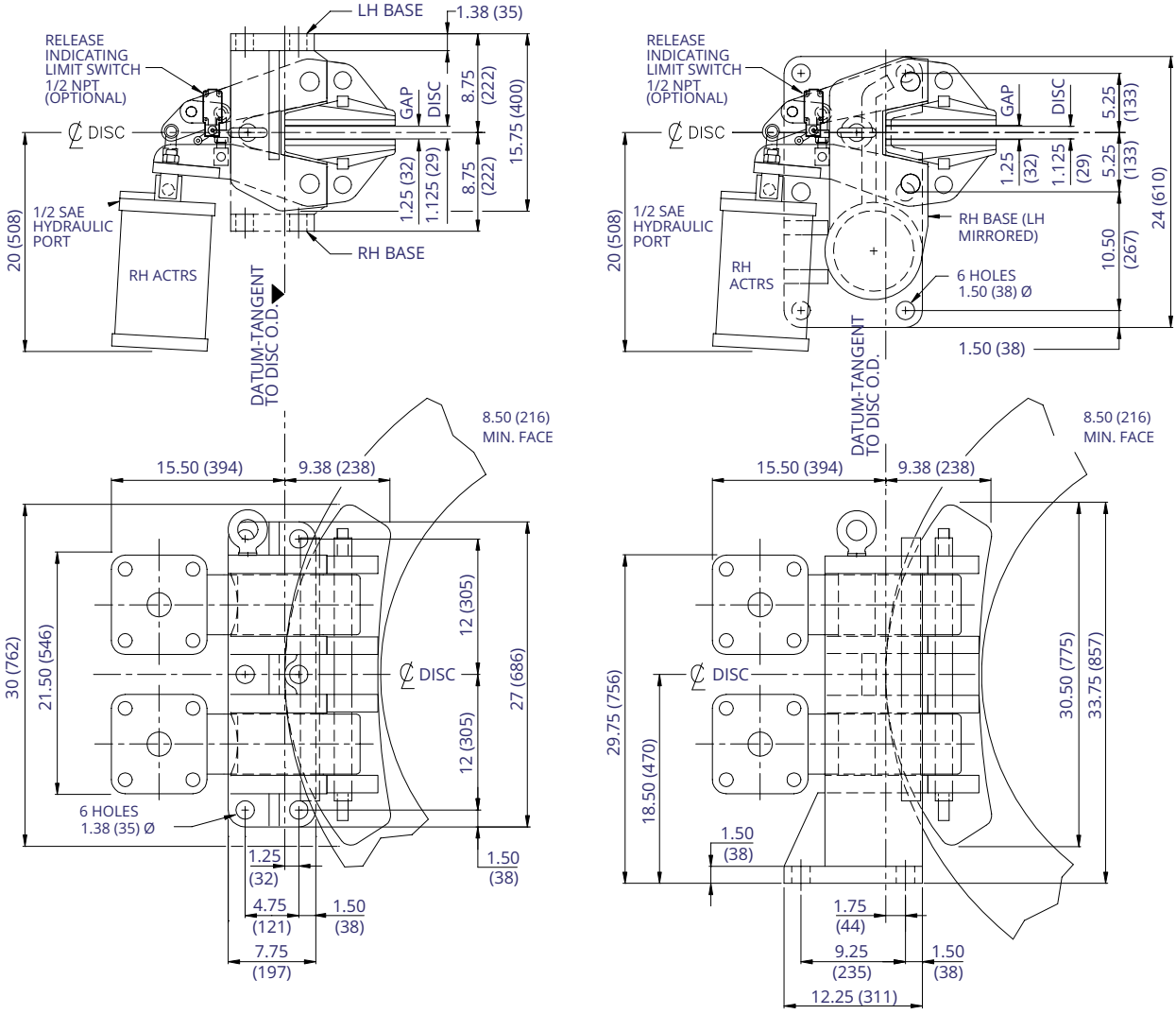
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7200A and 7400A Brake Calipers

Spring-set, air-released

DRAWING
SPB7274-02.0



7200A CALIPER

SIDE MOUNTED

7400A CALIPER

FOOT-MOUNTED

Notes

- SPRING FORCE COMPENSATING TOGGLE MECHANISM
- NOMINAL TORQUE RATINGS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS): DYNAMIC TORQUE (lb-ft) = 2450 x (DISC DIA. (inches) - 8.5) DYNAMIC TORQUE (Nm) = 130.8 x (DISC DIA. (mm) - 216) STATIC TORQUE (lb-ft) = 1960 x (DISC DIA. (inches) - 8.5) STATIC TORQUE (Nm) = 104.6 x (DISC DIA. (mm) - 216)
- **NOMINAL PRESSURES:**
  - RELEASE PRESSURE = 100 psi / 6.5 bar
  - HOLD-OFF PRESSURE = 90 psi / 6 bar
  - MAXIMUM PRESSURE = 200 psi / 13 bar
- **WEIGHT:**
  - 7200 SERIES = 1370 lbs / 623 kg
  - 7400 SERIES = 1625 lbs / 739 kg
- **RELEASE VOLUMES:**
  - @ NEW LININGS = 20 in^3 / 328 cm^3
  - MAXIMUM = 46 in^3 / 754 cm^3

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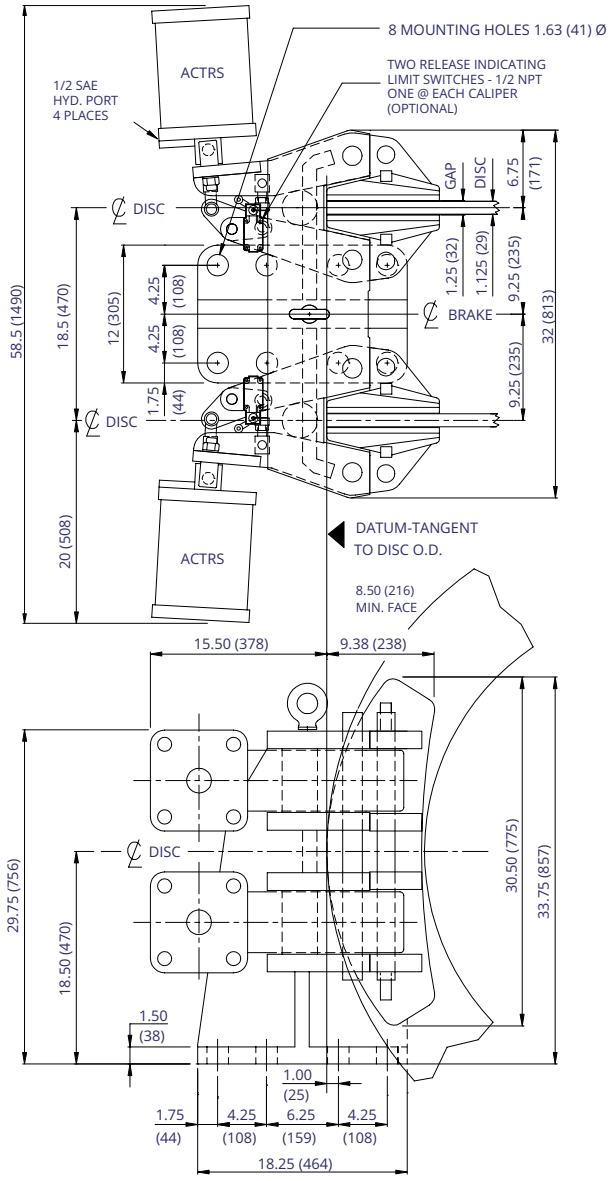
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7600A Tandem Brake Caliper

Spring-set, air-released

DRAWING
SPB7600-02.0



Notes

- SPRING FORCE COMPENSATING TOGGLE MECHANISM
- NOMINAL TORQUE RATINGS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS) DYNAMIC TORQUE (lb-ft) = 4900 x (DISC DIA. (inches) - 8.5) DYNAMIC TORQUE (Nm) = 261.6 x (DISC DIA. (mm) - 216) STATIC TORQUE (lb-ft) = 3920 x (DISC DIA. (inches) - 8.5) STATIC TORQUE (Nm) = 209.3 x (DISC DIA. (mm) - 216)
- **NOMINAL PRESSURES:**
  – RELEASE PRESSURE = 100 psi / 6.5 bar
  – HOLD-OFF PRESSURE = 90 psi / 6 bar
  – MAXIMUM PRESSURE = 200 psi / 13 bar
- **RELEASE VOLUMES:**
  – @ NEW LININGS = 40 in^3 / 655 cm^3
  – MAXIMUM = 92 in^3 / 1510 cm^3
- **WEIGHT:**
  – 2625 lbs
  – 1193 kg

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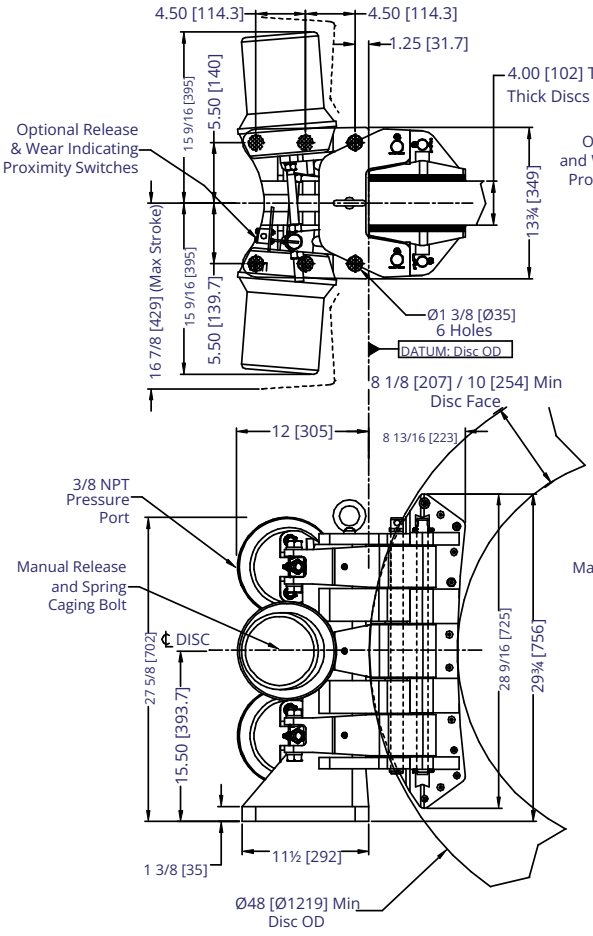
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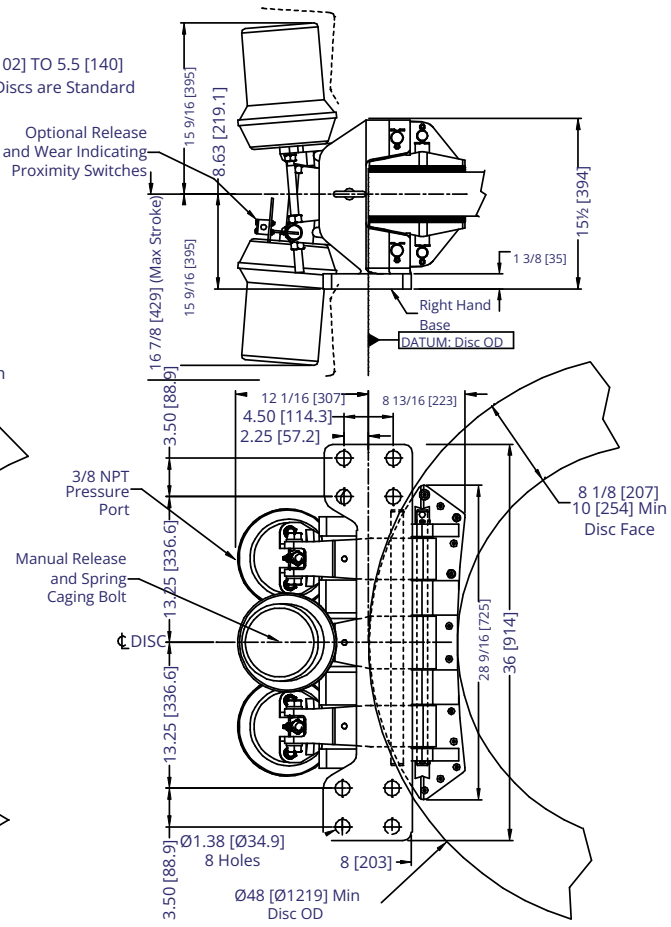
7800 / 8000 Brake Calipers

DRAWING
BC78SA-1.1

7800 CALIPER
FOOT MOUNTED



8000 CALIPER
SIDE MOUNTED



Specifications

Dual in/mm, lb [kN], lb [kg], lb-ft/Nm

- Spring-set, air released
- Max dynamic torque is based on minimum air gap and a coefficient of friction of 0.5
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Disc may be solid or ventilated and shaft or coupling mounted
- Manual release and spring caging bolt fitted; optional release & wear indicating proximity switches
- 3/8 NPT pressure port; min. disc OD 48 in (1219 mm); min. disc face 8-1/8 in (207 mm) / 10 in (254 mm)
- Foot-mounted (7800/7800X) 6 holes 1-3/8 in (35 mm) dia.; side-mounted (8000/8000X) 8 holes 1.38 in (34.9 mm) dia.
- 4.00 in (102) to 5.5 in (140) thick discs are standard

Model no. (foot / side mounted)	Applied force lb [kN]	Weight lb [kg]	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @50in/1270 lb-ft/Nm	@60/1520	@70/1780	@80/2030	@90/2290
78MA / 80MA	19800 [88.0]	838 [381]	56 / 386	51 / 352	120 / 827	260 / 4261	17325 / 23480	21450 / 29080	25575 / 34670	29700 / 40260	33825 / 45860
78HA / 80HA	24750 [110.0]	841 [382]	68 / 469	63 / 434	120 / 827	260 / 4261	21685 / 29360	26812 / 36352	31968 / 43340	37125 / 50330	42280 / 57320
78MBA / 80MBA	31200 [138.7]	847 [385]	76 / 524	70 / 483	120 / 827	260 / 4261	27300 / 37000	33800 / 45820	40300 / 54630	46800 / 63450	53300 / 72260
78HBA / 80HBA	38400 [170.8]	850 [386]	97 / 668	92 / 634	120 / 827	260 / 4261	33600 / 45550	41600 / 56400	49600 / 67240	57600 / 78090	65600 / 88940
78HHA / 80HHA	57600 [256.2]	895 [407]	100 / 690	95 / 655	120 / 827	440 / 7210	50400 / 68300	62400 / 84600	74400 / 100870	86400 / 117140	98400 / 133400

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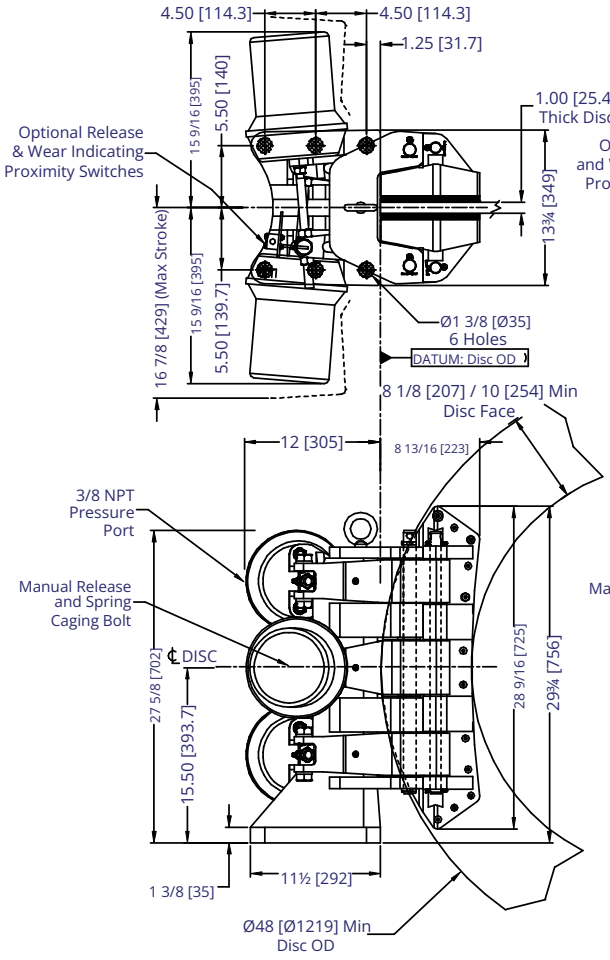
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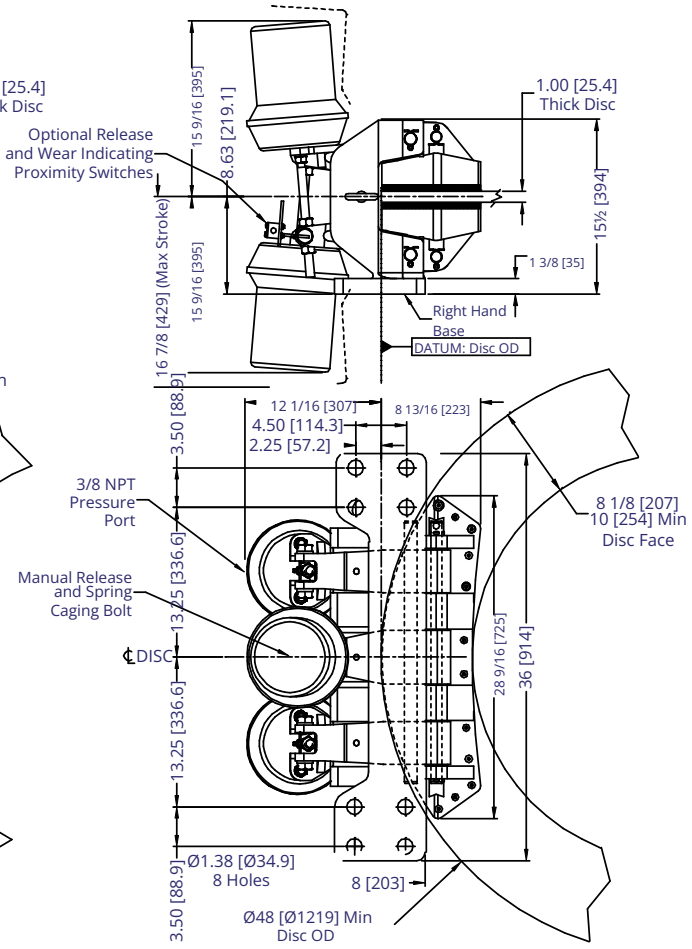
7800X / 8000X Brake Calipers

DRAWING
BC78SAX-1.0

7800X CALIPER
FOOT MOUNTED



8000X CALIPER
SIDE MOUNTED



Specifications

Dual in/mm, lb [kN], lb [kg], lb-ft/Nm

- Spring-set, air released
- Max dynamic torque is based on minimum air gap and a coefficient of friction of 0.5
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Disc may be solid or ventilated and shaft or coupling mounted
- Manual release and spring caging bolt fitted; optional release & wear indicating proximity switches
- 3/8 NPT pressure port; min. disc OD 48 in (1219 mm); min. disc face 8-1/8 in (207 mm) / 10 in (254 mm)
- Foot-mounted (7800/7800X) 6 holes 1-3/8 in (35 mm) dia.; side-mounted (8000/8000X) 8 holes 1.38 in (34.9 mm) dia.
- 1.00 in (25.4 mm) thick disc

Model no. (foot / side mounted)	Applied force lb [kN]	Weight lb [kg]	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @50in/1270 lb-ft/Nm	@60/1520	@70/1780	@80/2030	@90/2290
78MAX / 80MAX	29700 [132.1]	838 [381]	56 / 386	51 / 352	120 / 827	260 / 4261	25990 / 35324	31275 / 43735	38363 / 52146	44550 / 60556	50738 / 68966
78HAX / 80HAX	37200 [165.5]	841 [382]	68 / 469	63 / 434	120 / 827	260 / 4261	32550 / 44006	40300 / 54483	48050 / 64961	55800 / 75438	63550 / 85916
78MBAX / 80MBAX	46800 [208.2]	847 [385]	76 / 524	70 / 483	120 / 827	260 / 4261	40950 / 55607	50700 / 68847	60450 / 82086	70200 / 95326	79950 / 108566
78HBAX / 80HBAX	57600 [256.2]	850 [386]	97 / 668	92 / 634	120 / 827	260 / 4261	50400 / 68409	62400 / 84696	74400 / 100984	86400 / 117272	98400 / 133560
78HHAX / 80HHAX	86400 [384.3]	895 [407]	100 / 690	95 / 655	120 / 827	440 / 7210	75600 / 102413	93600 / 126797	111600 / 151180	129600 / 175565	147600 / 199949

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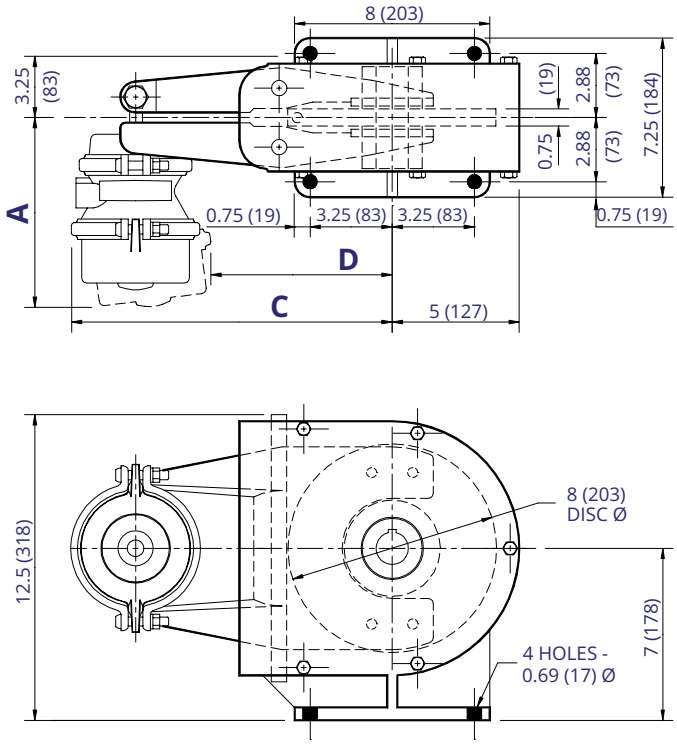
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FB08 / MB08 Series Brake Calipers

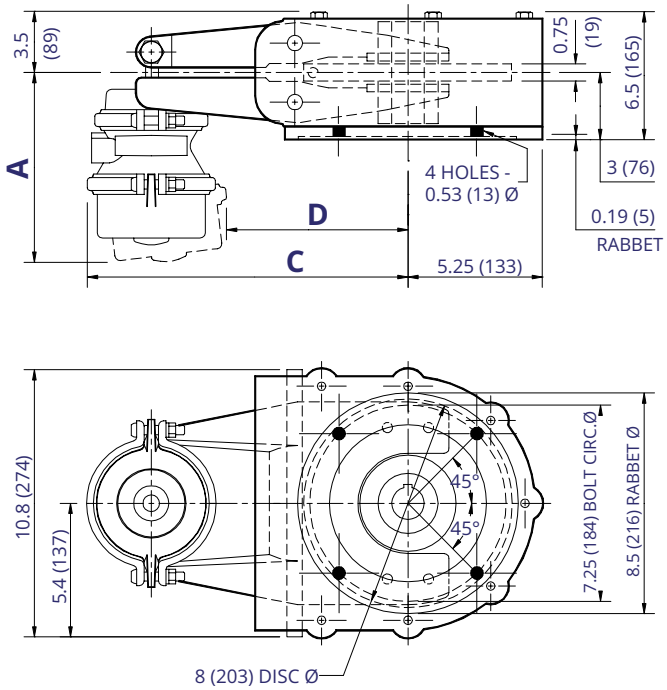
(spring-applied, air released)

DRAWING
BM080SA-1.0

FB08 SERIES
FOOT-MOUNTED BRAKE CALIPERS



MB08 SERIES
MOTOR-MOUNTED BRAKE CALIPERS



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 8 in (203 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 8.5 in (216 mm) dia.; bolt circle 7.25 in (184 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB0804FA	300 / 1340	27 / 186	25 / 172	18 / 295	71 / 156	56 / 123	8/203	17/432	11.6/295	7 / 10	15 / 20	22 / 30	29 / 40	37 / 50
FB/MB0808FA	700 / 3120	52 / 359	50 / 345	18 / 295	73 / 161	58 / 128	8.5/216	17.2/437	11.4/290	17 / 23	34 / 47	51 / 70	69 / 93	86 / 117
FB/MB0812FA	1100 / 4910	82 / 565	80 / 552	26 / 426	75 / 165	60 / 132	9/229	17.4/442	11.2/284	27 / 37	54 / 73	81 / 110	108 / 147	135 / 183
FB/MB0816FA	1700 / 7580	85 / 586	83 / 572	44 / 721	79 / 174	64 / 141	9.8/249	17.6/447	11/279	42 / 57	83 / 113	125 / 170	167 / 227	208 / 283
FB/MB0824FA	2400 / 11700	90 / 621	88 / 607	79 / 1295	83 / 183	68 / 150	12.5/318	18.1/460	10.5/267	59 / 80	118 / 160	176 / 240	235 / 320	294 / 400

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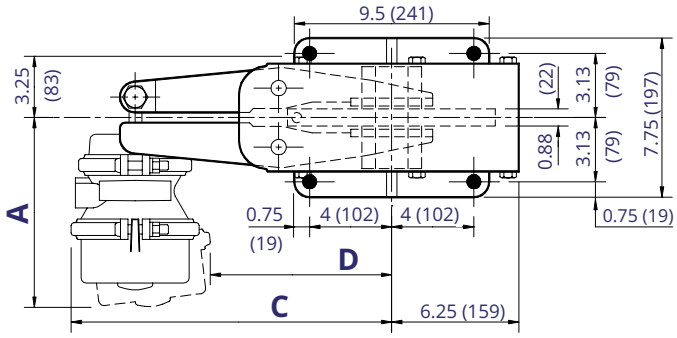
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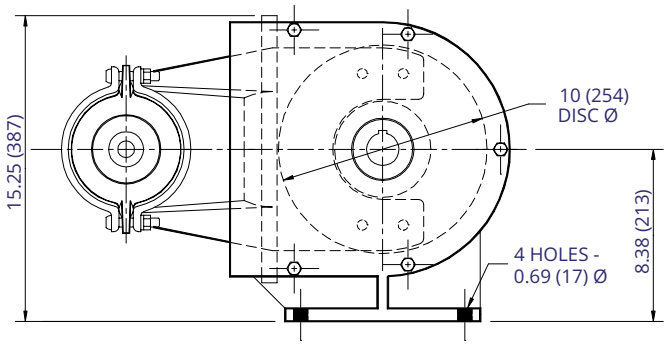
FB10 / MB10 Series Brake Calipers

(spring-applied, air released)

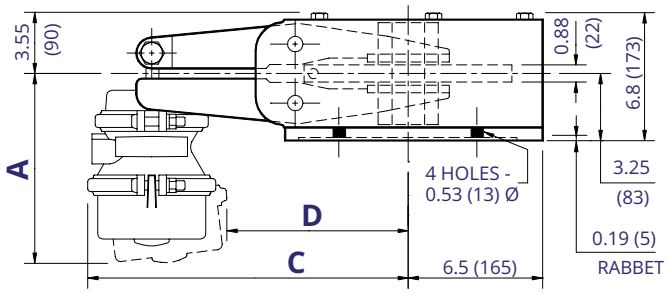
DRAWING
BM100SA-1.0

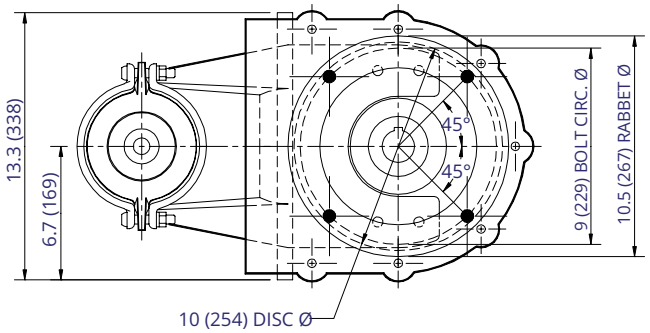
FB10 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB10 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 10 in (254 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 10.5 in (267 mm) dia.; bolt circle 9 in (229 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1004FA	400 / 1780	27 / 186	25 / 172	18 / 295	119 / 54	89 / 40	7.5/191	15/381	9.6/244	12 / 17	25 / 33	37 / 50	49 / 67	61 / 84
FB/MB1008FA	933 / 4160	52 / 359	50 / 345	18 / 295	121 / 55	91 / 41	8.0/203	15.2/386	9.4/239	29 / 39	57 / 78	86 / 117	115 / 156	143 / 195
FB/MB1012FA	1470 / 6540	82 / 565	80 / 552	26 / 426	123 / 56	93 / 42	8.5/216	15.4/391	9.2/234	45 / 61	90 / 123	135 / 184	180 / 245	225 / 307
FB/MB1016FA	2270 / 10100	85 / 586	83 / 572	44 / 721	127 / 58	97 / 44	9.3/236	15.6/396	9.0/229	70 / 95	139 / 190	209 / 284	279 / 379	348 / 474
FB/MB1024FA	3200 / 14300	90 / 621	88 / 607	79 / 1295	131 / 60	101 / 46	12/305	16.1/409	8.5/216	98 / 134	197 / 268	295 / 401	394 / 535	492 / 669

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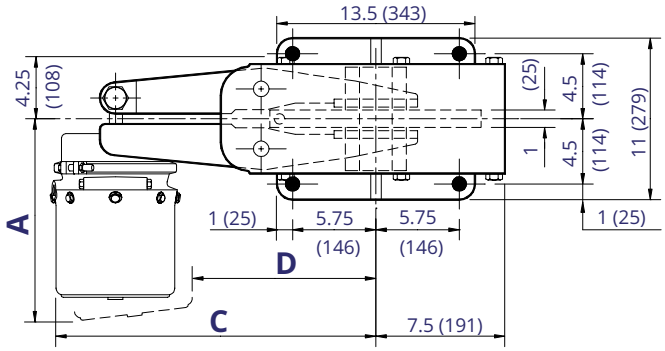
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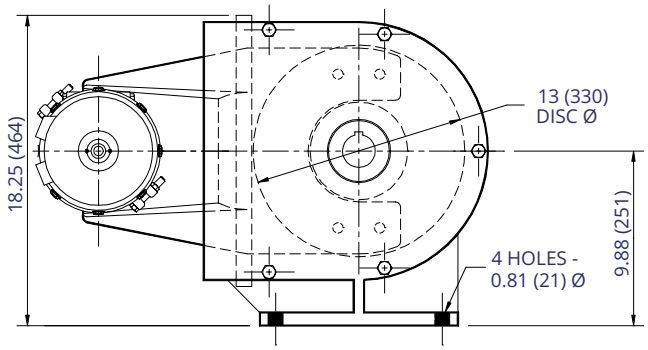
FB13 / MB13 Series Brake Calipers

(spring-applied, air released)

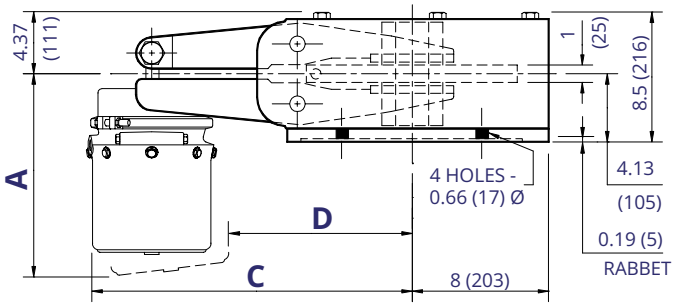
DRAWING
BM130SA-1.0

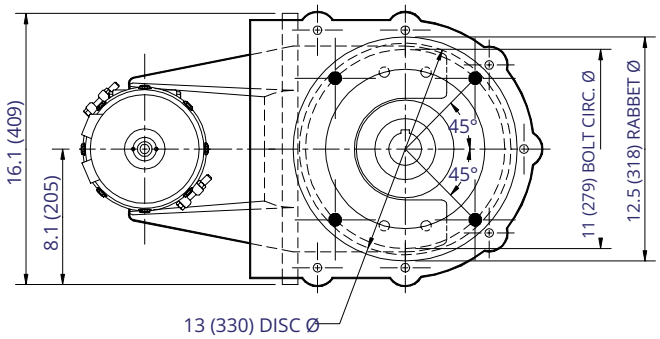
FB13 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB13 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 13 in (330 mm)
- FB: 4 holes 0.81 in (21 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 12.5 in (318 mm) dia.; bolt circle 11 in (279 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB130BA	2170 / 9670	33 / 228	28 / 193	108 / 1770	254 / 115	189 / 86	12.2/310	19/483	10.3/262	89 / 121	178 / 243	268 / 364	357 / 485	446 / 606
FB/MB130MA	4130 / 18400	56 / 386	51 / 352	108 / 1770	255 / 116	190 / 86	12.2/310	19/483	10.3/262	170 / 231	340 / 463	510 / 694	681 / 925	851 / 1160
FB/MB130HA	5170 / 23000	68 / 469	63 / 434	108 / 1770	256 / 116	191 / 87	12.2/310	19/483	10.3/262	213 / 289	425 / 578	638 / 868	851 / 1160	1060 / 1450
FB/MB13MBA	6500 / 29000	86 / 593	81 / 558	108 / 1770	259 / 118	194 / 88	12.2/310	19/483	10.3/262	268 / 364	535 / 728	805 / 1090	1070 / 1460	1340 / 1820
FB/MB13HBA	8000 / 35700	99 / 683	94 / 648	130 / 2130	260 / 118	195 / 89	12.2/310	19/483	10.3/262	329 / 448	659 / 896	988 / 1340	1320 / 1790	1650 / 2240

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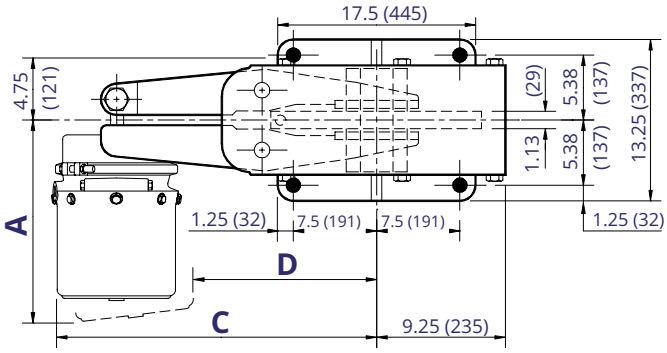
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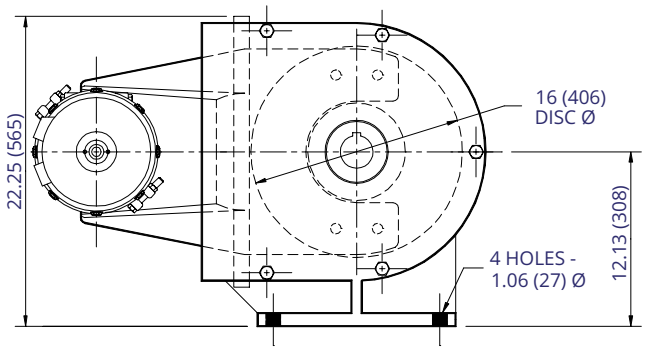
FB16 / MB16 Series Brake Calipers

(spring-applied, air released)

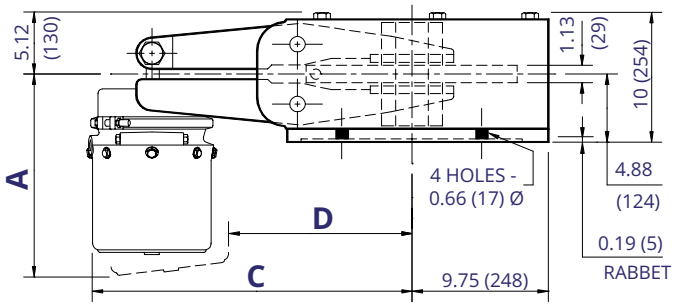
DRAWING
BM160SA-1.0

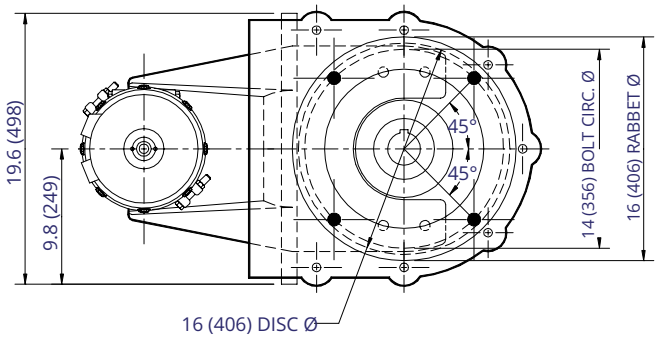
FB16 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB16 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & air released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 16 in (406 mm)
- FB: 4 holes 1.06 in (27 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 16 in (406 mm) dia.; bolt circle 14 in (356 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in³/cm³	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB160MA	4960 / 22100	56 / 386	51 / 352	108 / 1770	470 / 214	325 / 148	12.8/325	22/559	13.3/338	248 / 337	496 / 674	744 / 1010	992 / 1350	1240 / 1690
FB/MB160HA	6200 / 27700	68 / 469	63 / 434	108 / 1770	471 / 214	326 / 148	12.8/325	22/559	13.3/338	310 / 422	630 / 843	930 / 1270	1240 / 1690	1550 / 2110
FB/MB16MBA	7800 / 34800	86 / 593	81 / 558	108 / 1770	474 / 215	329 / 150	12.8/325	22/559	13.3/338	390 / 530	780 / 1060	1170 / 1590	1560 / 2120	1930 / 2650
FB/MB16HBA	9600 / 42800	99 / 683	94 / 648	130 / 2130	475 / 216	330 / 150	12.8/325	22/559	13.3/338	480 / 653	960 / 1310	1440 / 1960	1920 / 2610	2400 / 3260
FB/MB16HHA	14400 / 64200	100 / 690	95 / 655	180 / 2950	527 / 240	382 / 174	N/A	N/A	N/A	720 / 979	1440 / 1960	2160 / 2940	2880 / 3920	3600 / 4900

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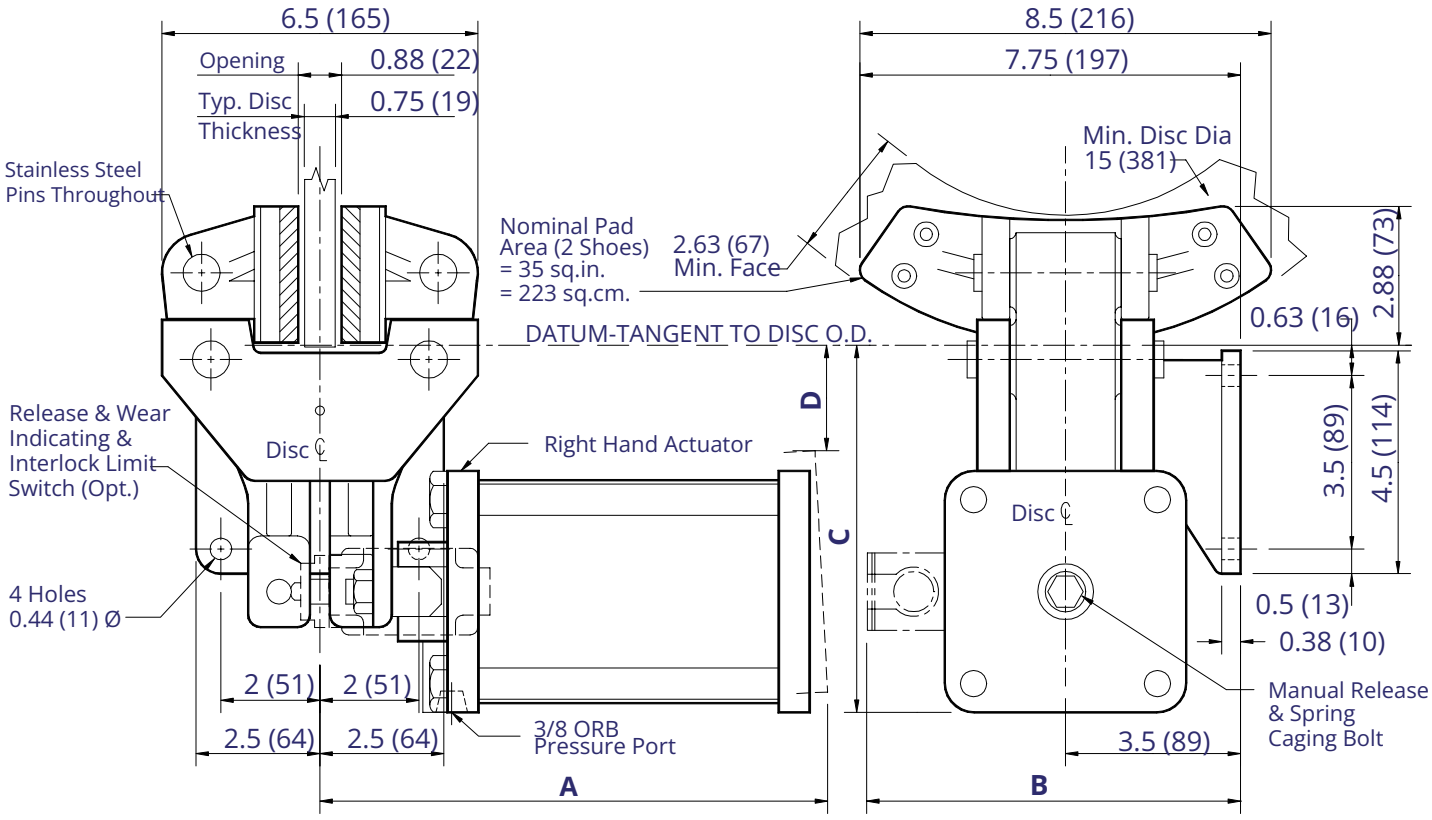
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80SH Series Brake Calipers (foot-mounted)

DRAWING
BC080SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm
- Typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 ORB pressure port
- 4 holes 0.44 in (11 mm) dia.
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
812FH	2930 / 13000	48 / 22	608 / 4190	578 / 3990	2000 / 13800	2.8 / 46	10.3/260	7.75/197	7.4/188	2.1/54	759 / 1030	1980 / 2680	3200 / 4340	4420 / 5990
816FH	4530 / 20200	55 / 25	909 / 6270	864 / 5960	2000 / 13800	2.8 / 46	10.3/260	7.75/197	7.4/188	2.1/54	1170 / 1590	3060 / 4150	4950 / 6710	6840 / 9280
824FH	6130 / 27300	69 / 31	1200 / 8280	1150 / 7930	2000 / 13800	6 / 98	11/280	7.75/197	8/200	1.5/38	1590 / 2160	4140 / 5610	6700 / 9090	9250 / 12500

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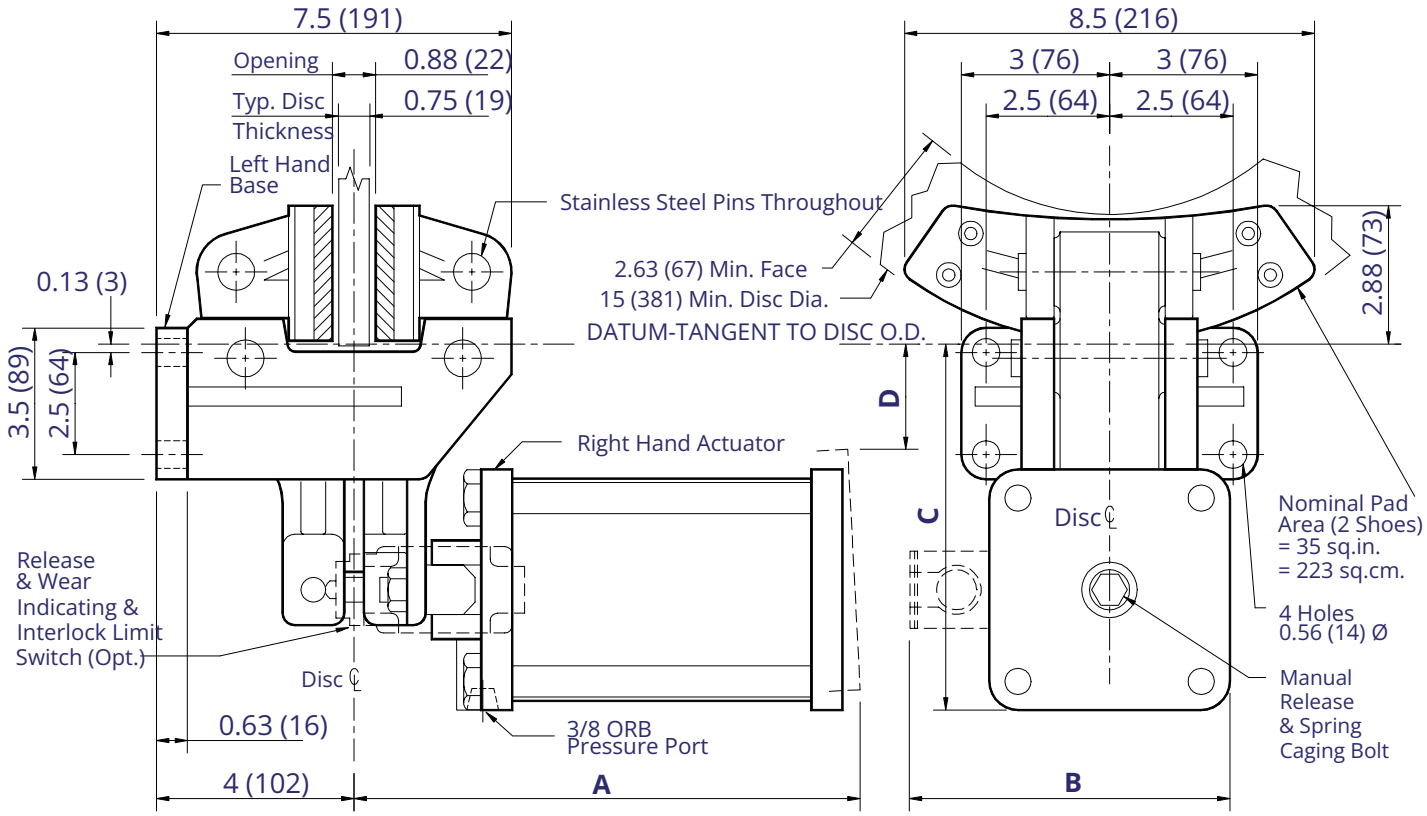
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100SH Series Brake Calipers (side-mounted)

DRAWING
BC100SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 100SH Series not available in LH/LH or RH/RH models
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm
- Typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 3/8 ORB pressure port
- 4 holes 0.56 in (14 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @15in/380 lb-ft/Nm	@35/890	@55/1400	@75/1910
1012FH	2930 / 13000	49 / 22	608 / 4190	578 / 3990	2000 / 13800	2.8 / 46	10.3/260	6.75/171	7.4/188	2.1/54	759 / 1030	1980 / 2680	3200 / 4340	4420 / 5990
1016FH	4530 / 20200	56 / 25	909 / 6270	864 / 5960	2000 / 13800	2.8 / 46	10.3/260	6.75/171	7.4/188	2.1/54	1170 / 1590	3060 / 4150	4950 / 6710	6840 / 9280
1024FH	6130 / 27300	70 / 32	1200 / 8280	1150 / 7930	2000 / 13800	6 / 98	11/280	6.75/171	8/200	1.5/38	1590 / 2160	4140 / 5610	6700 / 9090	9250 / 12500

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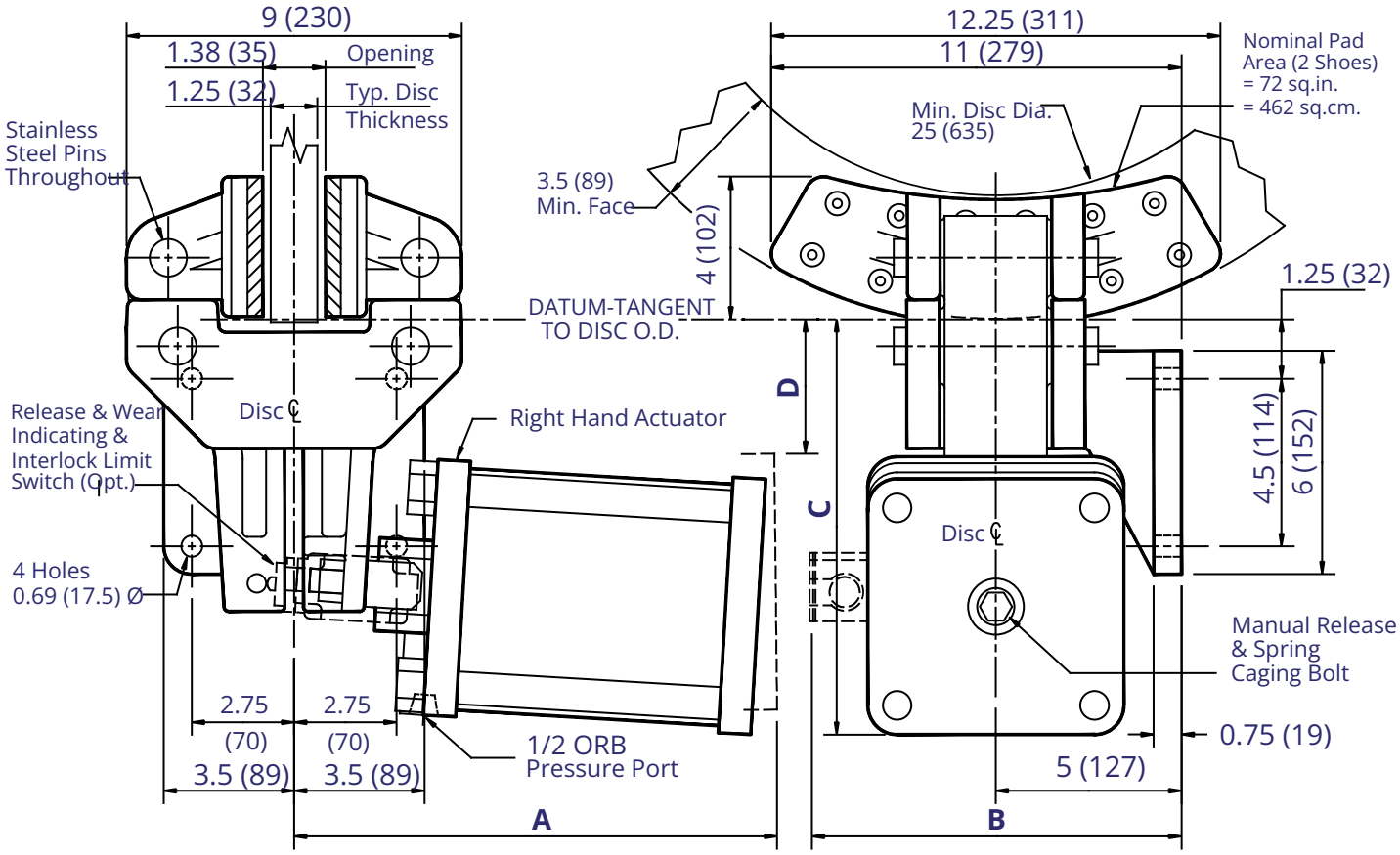
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180SH Series Brake Calipers (foot-mounted)

DRAWING
BC180SH-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 1/2 ORB pressure port; 4 holes 0.69 in (17.5 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
18BH	3470 / 15400	130 / 59	255 / 1760	242 / 1670	2000 / 13800	11.7 / 191	13/330	10.3/260	11.2/285	3.5/90	1560 / 2120	3010 / 4080	4450 / 6040	5900 / 7990
18MH	6610 / 29400	131 / 60	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	13/330	10.3/260	11.2/285	3.5/90	2980 / 4040	5740 / 7780	8490 / 11500	11200 / 15300
18HH	8270 / 36800	132 / 60	599 / 4130	569 / 3920	2000 / 13800	11.7 / 191	13/330	10.3/260	11.2/285	3.5/90	3720 / 5050	7170 / 9720	10600 / 14400	14100 / 19100
18MBH	10400 / 46300	135 / 61	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	13/330	10.3/260	11.2/285	3.5/90	4690 / 6350	9020 / 12200	13400 / 18100	17700 / 24000
18HBH	12800 / 56900	136 / 62	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	13/330	10.3/260	11.2/285	3.5/90	5780 / 7820	11100 / 15100	16400 / 22300	21800 / 29500
18HHH	19600 / 87400	153 / 70	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	15.6/396	10.3/260	11.2/285	2.75/70	8850 / 12000	17000 / 23100	25200 / 34200	33400 / 45300

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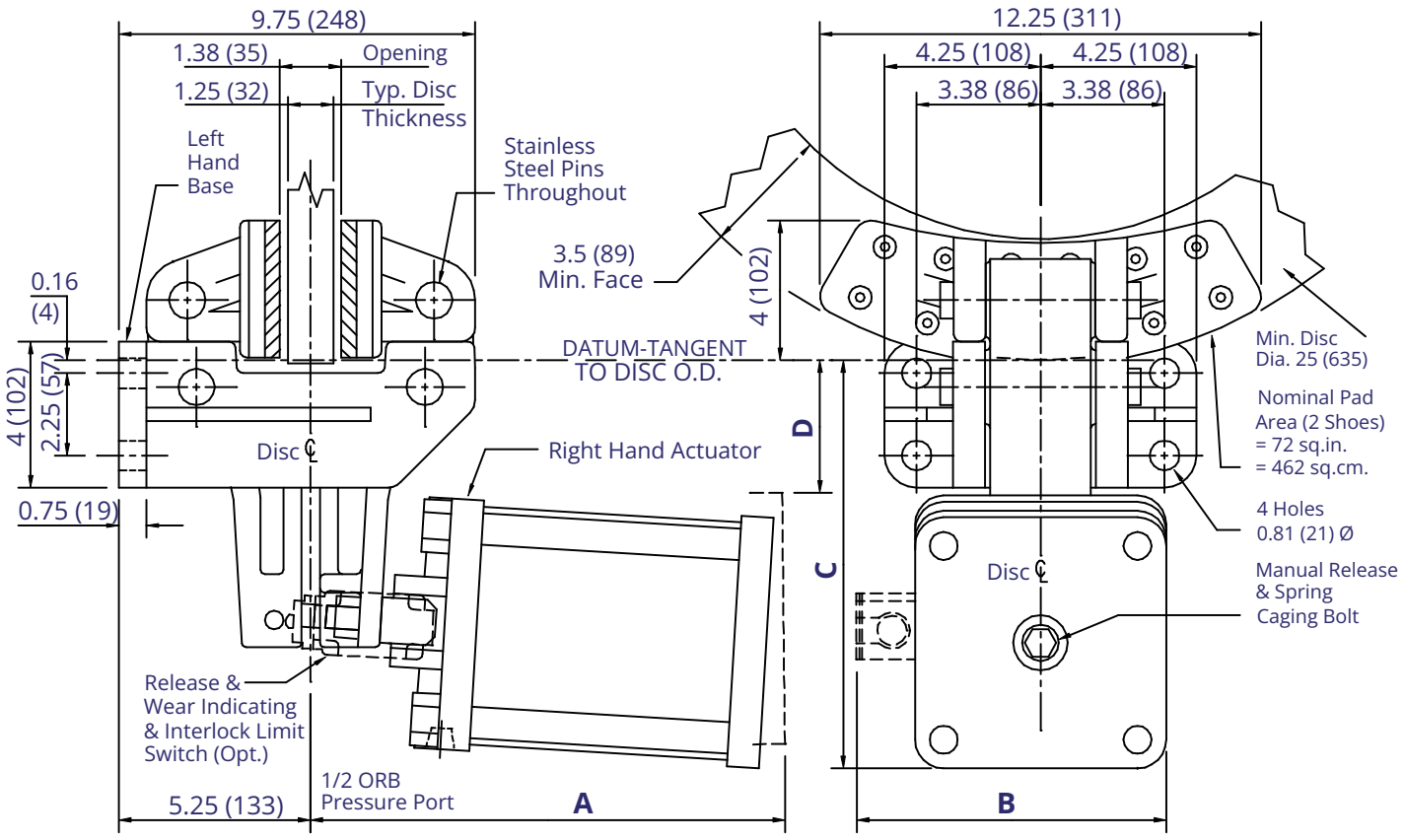
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200SH Series Brake Calipers (side-mounted)

DRAWING
BC200SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 1/2 ORB pressure port
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
20BH	3470 / 15400	130 / 59	255 / 1760	242 / 1670	2000 / 13800	11.7 / 191	13/330	8.75/222	11.2/285	3.5/90	1560 / 2120	3010 / 4080	4450 / 6040	5900 / 7990
20MH	6610 / 29400	131 / 60	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	13/330	8.75/222	11.2/285	3.5/90	2980 / 4040	5740 / 7780	8490 / 11500	11200 / 15300
20HH	8270 / 36800	132 / 60	599 / 4130	569 / 3920	2000 / 13800	11.7 / 191	13/330	8.75/222	11.2/285	3.5/90	3720 / 5050	7170 / 9720	10600 / 14400	14100 / 19100
20MBH	10400 / 46300	135 / 61	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	13/330	8.75/222	11.2/285	3.5/90	4690 / 6350	9020 / 12200	13400 / 18100	17700 / 24000
20HBH	12800 / 56900	136 / 62	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	13/330	8.75/222	11.2/285	3.5/90	5780 / 7820	11100 / 15100	16400 / 22300	21800 / 29500
20HHH	19600 / 87400	152 / 69	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	15.6/396	8.75/222	11.2/285	2.75/70	8850 / 12000	17000 / 23100	25200 / 34200	33400 / 45300

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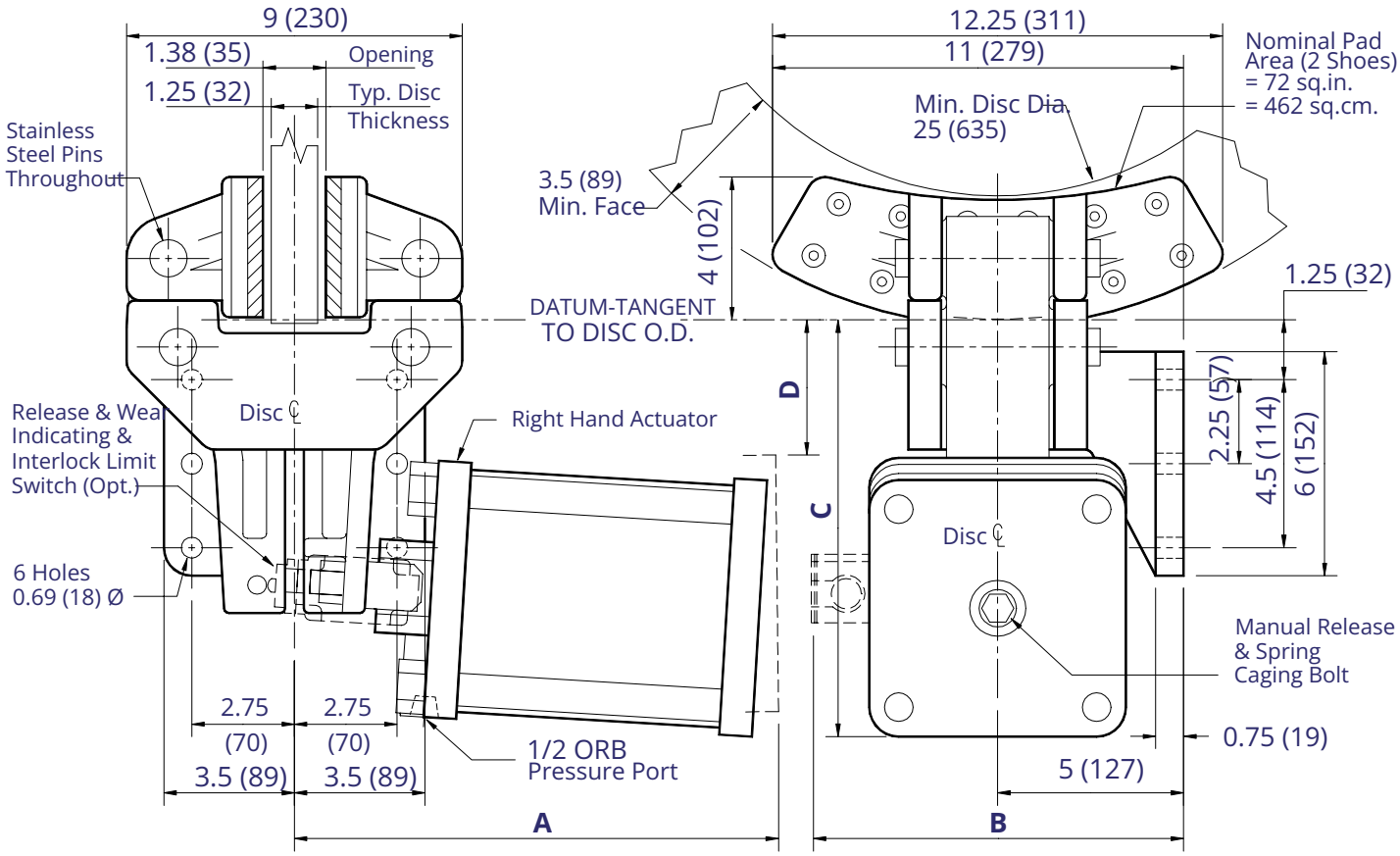
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180SHX Series Brake Calipers (foot-mounted)

DRAWING
BC180SHX-1.1



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 1/2 ORB pressure port
- 6 holes 0.69 in (18 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
18BHX	5210 / 23100	130 / 59	255 / 1760	242 / 1670	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	2340 / 3180	4510 / 6120	6670 / 9060	8850 / 11985
18MHX	9910 / 44100	131 / 60	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	4470 / 6060	8610 / 11670	12730 / 17250	16800 / 22950
18HHX	12400 / 55200	132 / 60	599 / 4130	569 / 3920	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	5580 / 7580	10750 / 14580	15900 / 21600	21150 / 28650
18MBHX	15600 / 69450	135 / 61	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	7040 / 9520	13530 / 18300	20100 / 27150	26550 / 36000
18HBHX	19200 / 85350	136 / 62	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	8670 / 11730	16650 / 22650	24600 / 33450	32700 / 44250
18HHHX	29400 / 131100	152 / 69	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	16.5/419	8.75/222	11.2/285	2.75/70	13280 / 18000	25500 / 34650	37800 / 51300	50100 / 67950

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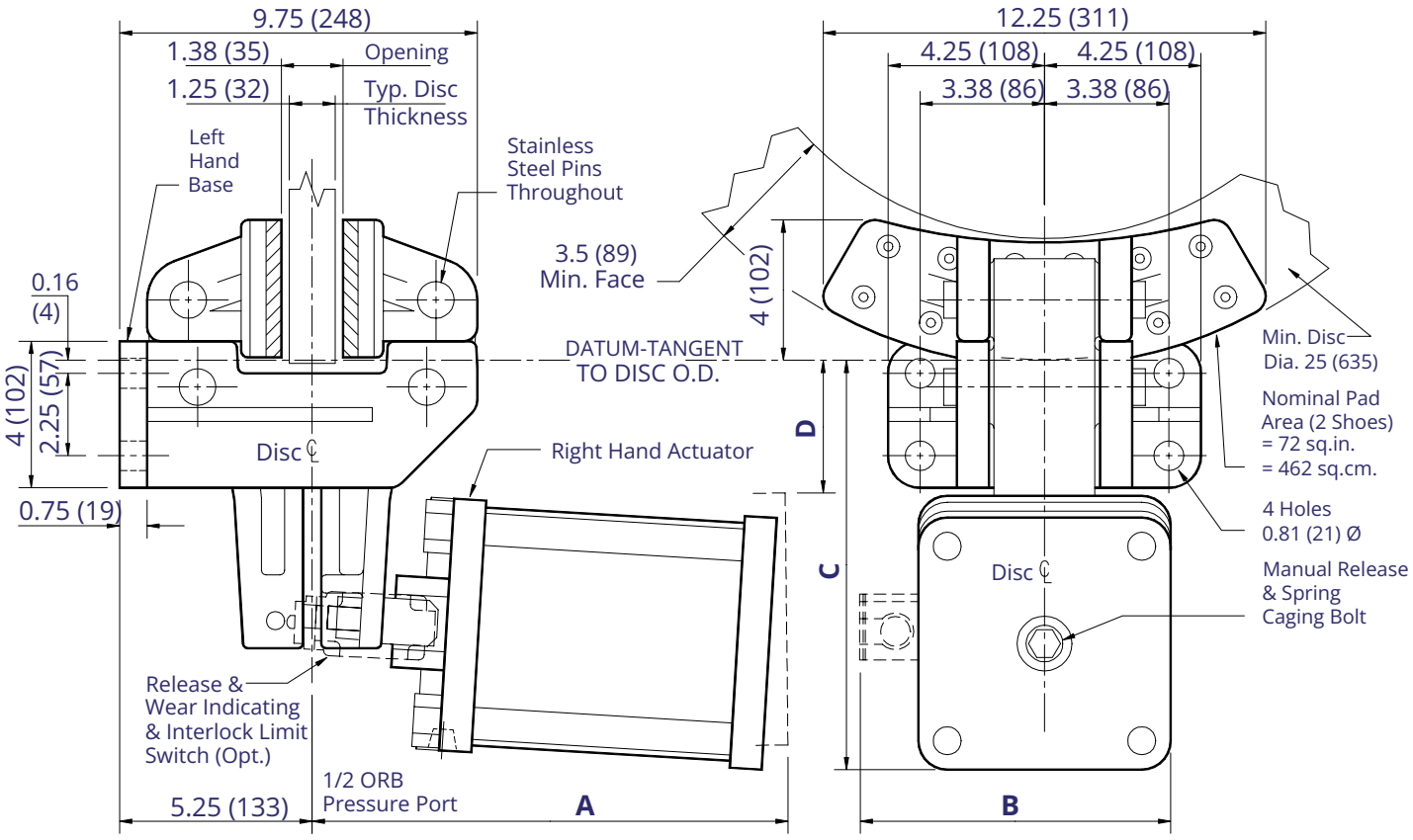
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200SHX Series Brake Calipers (side-mounted)

DRAWING
BC200SHX-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 1/2 ORB pressure port
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @25in/635 lb-ft/Nm	@45/1140	@65/1650	@85/2160
20BHX	5210 / 23100	130 / 59	255 / 1760	242 / 1670	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	2340 / 3180	4510 / 6120	6670 / 9060	8850 / 11985
20MHX	9910 / 44100	131 / 60	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	4470 / 6060	8610 / 11670	12730 / 17250	16800 / 22950
20HHX	12400 / 55200	132 / 60	599 / 4130	569 / 3920	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	5580 / 7580	10750 / 14580	15900 / 21600	21150 / 28650
20MBHX	15600 / 69450	135 / 61	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	7040 / 9520	13530 / 18300	20100 / 27150	26550 / 36000
20HBHX	19200 / 85350	136 / 62	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	14/356	8.75/222	11.2/285	3.5/90	8670 / 11730	16650 / 22650	24600 / 33450	32700 / 44250
20HHHX	29400 / 131100	152 / 69	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	16.5/419	8.75/222	11.2/285	2.75/70	13280 / 18000	25500 / 34650	37800 / 51300	50100 / 67950

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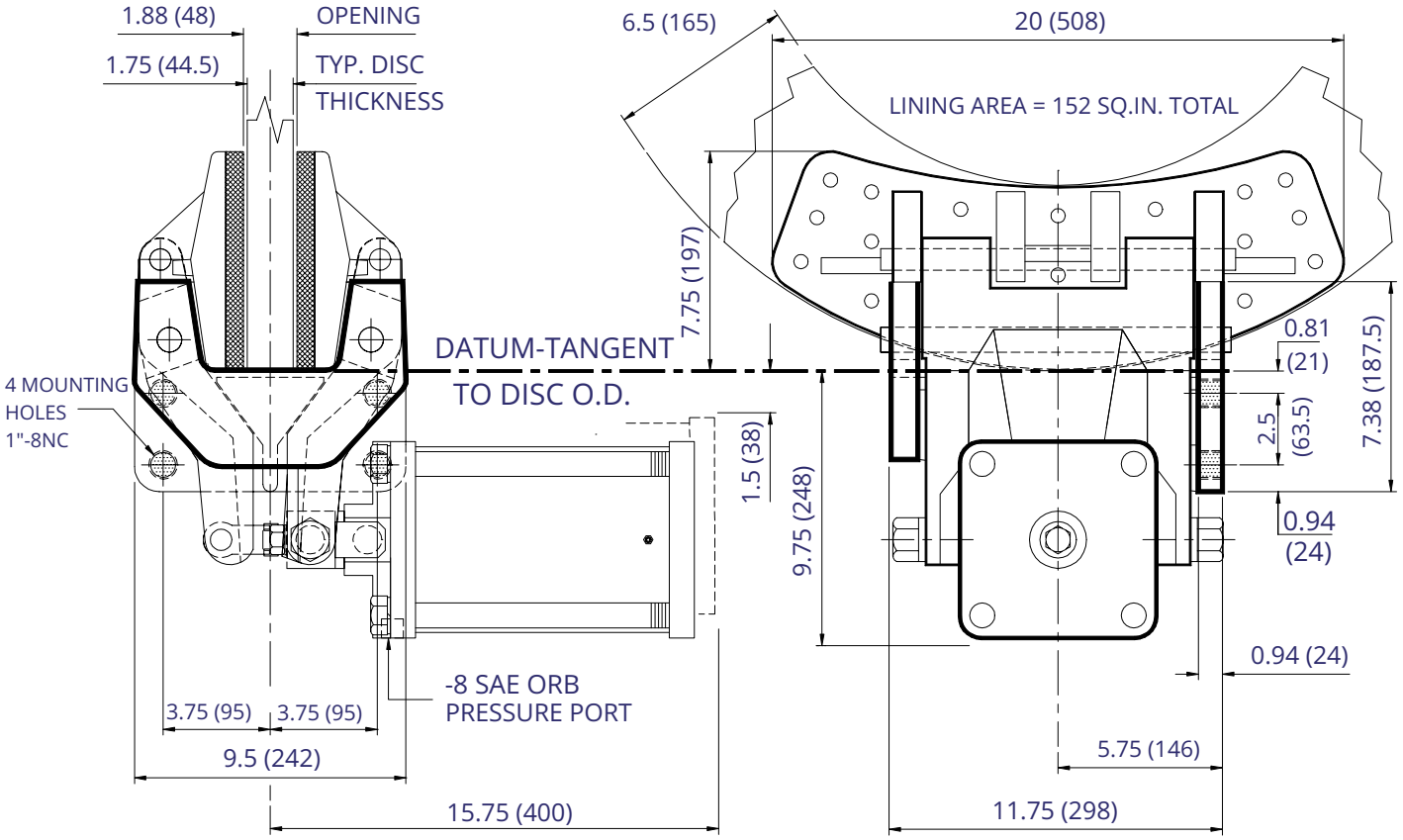
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Y18SH Series Brake Calipers (foot-mounted)

DRAWING
BCY18SH-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 1.75 in (44.5 mm); opening 1.88 in (48 mm)
- -8 SAE ORB pressure port; 4 mounting holes 1"-8NC
- Overall length 15.75 in (400 mm)
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y18BH	3250 / 14460	205 / 93	225 / 1760	242 / 1670	2000 / 13800	11.7 / 191	1930 / 2620	2610 / 3530	3280 / 4450	4640 / 6290
Y18MH	6190 / 27530	207 / 94	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	3680 / 4980	4960 / 6730	6250 / 8480	8830 / 11980
Y18HH	7750 / 34470	209 / 95	599 / 4130	567 / 3920	2000 / 13800	11.7 / 191	4600 / 6240	6220 / 8430	6250 / 10620	11060 / 14990
Y18MBH	9740 / 43320	214 / 97	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	5780 / 7840	7810 / 10590	9840 / 13340	13900 / 18840
Y18HBH	11990 / 53330	216 / 98	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	7120 / 9650	9620 / 13040	12110 / 16420	17110 / 23200
Y18HHH	18360 / 81670	245 / 111	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	10900 / 14780	14730 / 19970	18550 / 25150	26200 / 35530

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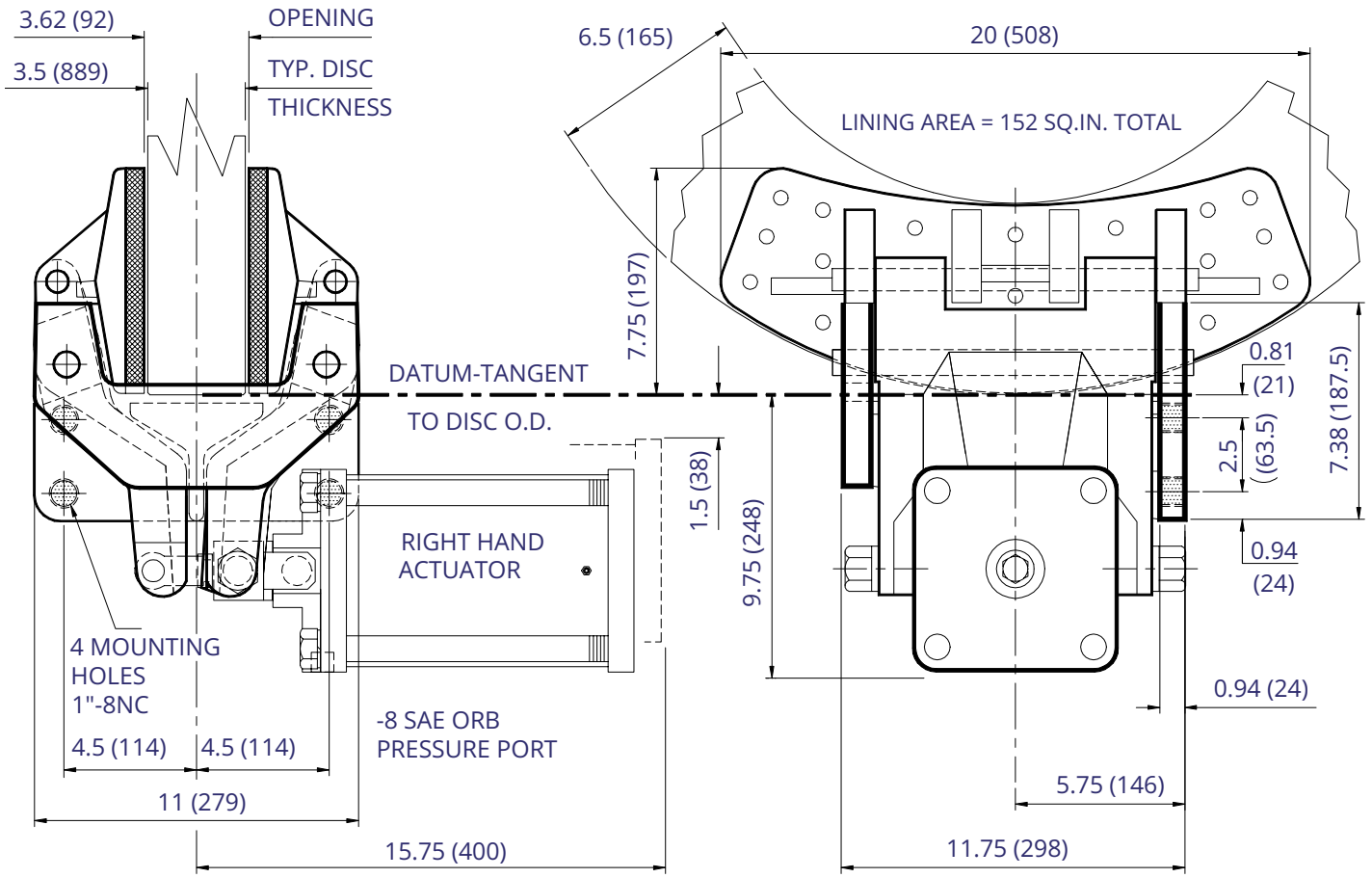
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Y18SH56 Series Brake Calipers (foot-mounted)

DRAWING
BCY18SH56-1.0



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Lining area 152 sq.in total
- Typ. disc thickness 3.5 in (89 mm); opening 3.62 in (92 mm)
- -8 SAE ORB pressure port; 4 mounting holes 1"-8NC
- Overall length 15.75 in (400 mm)
- Dynamic torque = AF × 0.50 × (D−6.5)/24 lb-ft | Nm: AF × 0.50 × (D−165)/2000
- Static torque = AF × 0.40 × (D−6.5)/24 lb-ft | Nm: AF × 0.40 × (D−165)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	Max dyn. torque @35in/889 lb-ft/Nm	@45/1143	@55/1397	@75/1905
Y18BH56	3250 / 14460	225 / 102	225 / 1760	242 / 1670	2000 / 13800	11.7 / 191	1930 / 2620	2610 / 3530	3280 / 4450	4640 / 6290
Y18MH56	6190 / 27530	227 / 103	481 / 3320	457 / 3150	2000 / 13800	11.7 / 191	3680 / 4980	4960 / 6730	6250 / 8480	8830 / 11980
Y18HH56	7750 / 34470	229 / 104	599 / 4130	567 / 3920	2000 / 13800	11.7 / 191	4600 / 6240	6220 / 8430	6250 / 10620	11060 / 14990
Y18MBH56	9740 / 43320	234 / 106	755 / 5210	717 / 4950	2000 / 13800	11.7 / 191	5780 / 7840	7810 / 10590	9840 / 13340	13900 / 18840
Y18HBH56	11990 / 53330	236 / 107	909 / 6270	864 / 5960	2000 / 13800	11.7 / 191	7120 / 9650	9620 / 13040	12110 / 16420	17110 / 23200
Y18HHH56	18360 / 81670	265 / 120	1090 / 7540	1040 / 7160	2000 / 13800	14.3 / 235	10900 / 14780	14730 / 19970	18550 / 25150	26200 / 35530

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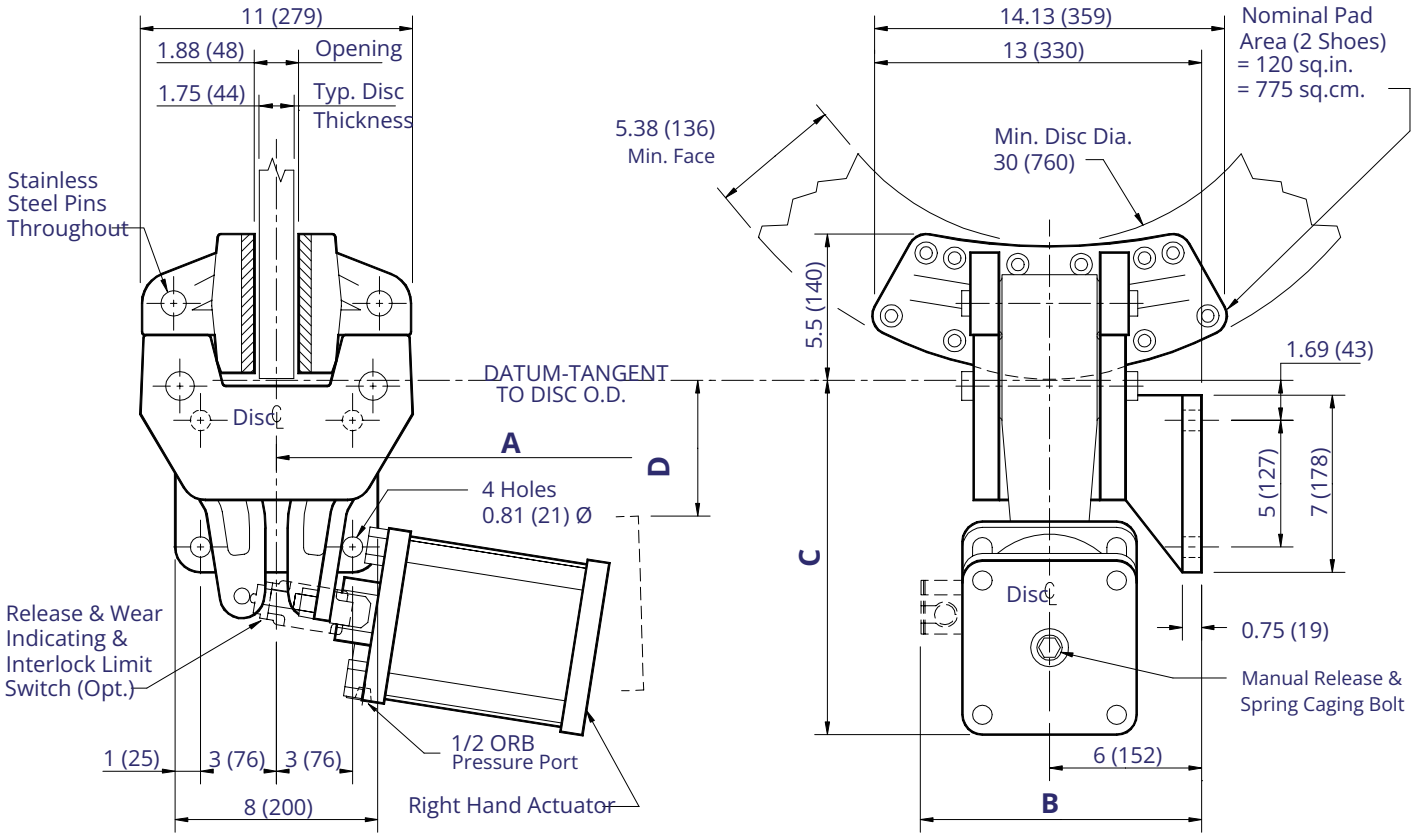
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280SH Series Brake Calipers (foot-mounted)

DRAWING
BC280SH-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 1/2 ORB pressure port
- Typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
28MH	6610 / 29400	208 / 95	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/255	5.2/130	3440 / 4670	6200 / 8410	8960 / 12100	11700 / 15900
28HH	8270 / 36800	209 / 95	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	4310 / 5840	7750 / 10500	11200 / 15200	14600 / 19900
28MBH	10400 / 46300	212 / 96	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	5420 / 7350	9750 / 13200	14100 / 19100	18400 / 25000
28HBH	12800 / 56900	213 / 97	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	6670 / 9040	12000 / 16300	17300 / 23500	22700 / 30700
28HHH	19200 / 85400	230 / 165	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	16.5/420	11.3/286	14.3/365	5.2/130	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100

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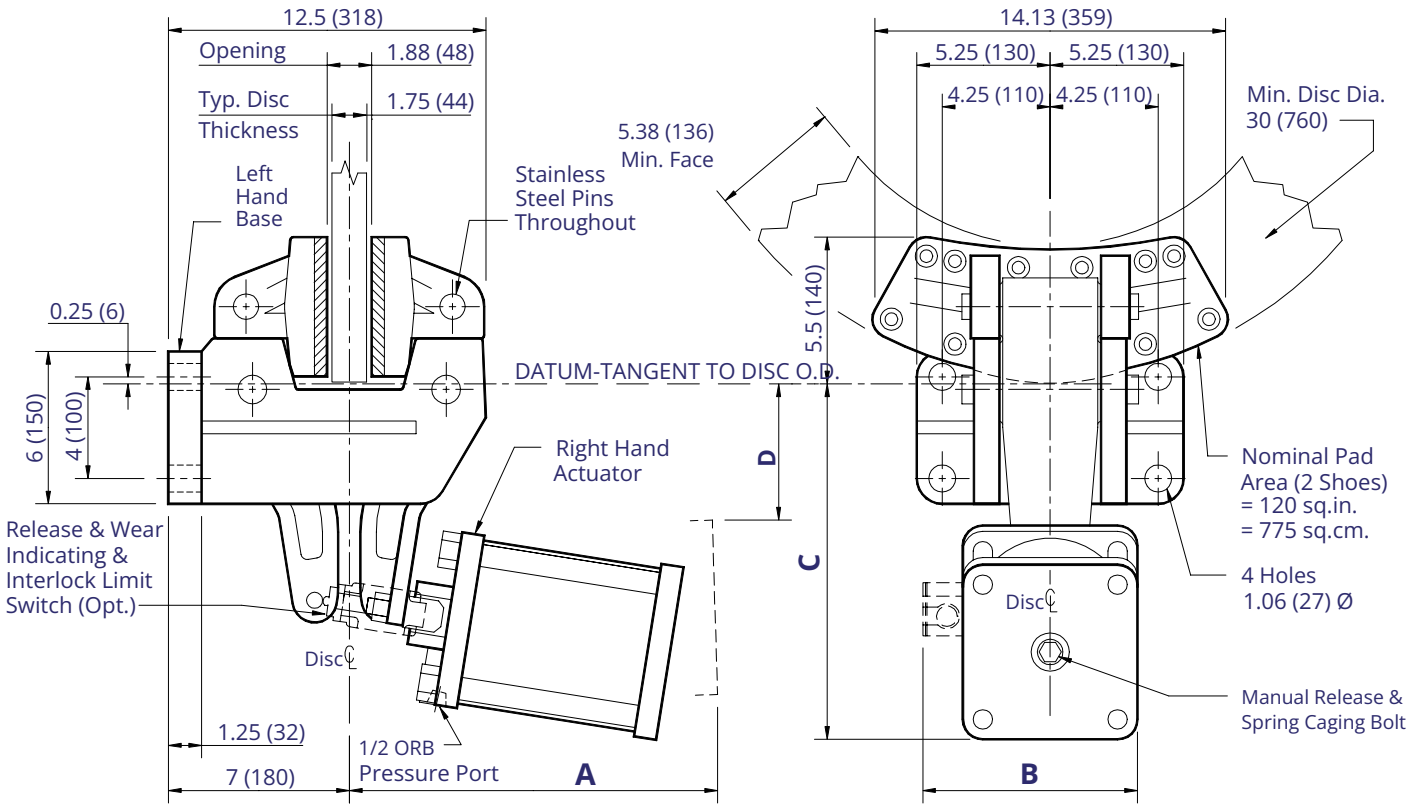
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300SH Series Brake Calipers (side-mounted)

DRAWING
BC300SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 1/2 ORB pressure port
- Typ. disc thickness 1.75 in (44 mm); opening 1.88 in (48 mm)
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
30MH	6610 / 29400	204 / 93	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	3440 / 4670	6200 / 8410	8960 / 12100	11700 / 15900
30HH	8270 / 36800	205 / 93	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	4310 / 5840	7750 / 10500	11200 / 15200	14600 / 19900
30MBH	10400 / 46300	208 / 95	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	5420 / 7350	9750 / 13200	14100 / 19100	18400 / 25000
30HBH	12800 / 56900	209 / 95	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	6670 / 9040	12000 / 16300	17300 / 23500	22700 / 30700
30HHH	19200 / 85400	226 / 103	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	16.5/420	8.75/222	14.3/365	5.2/130	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100

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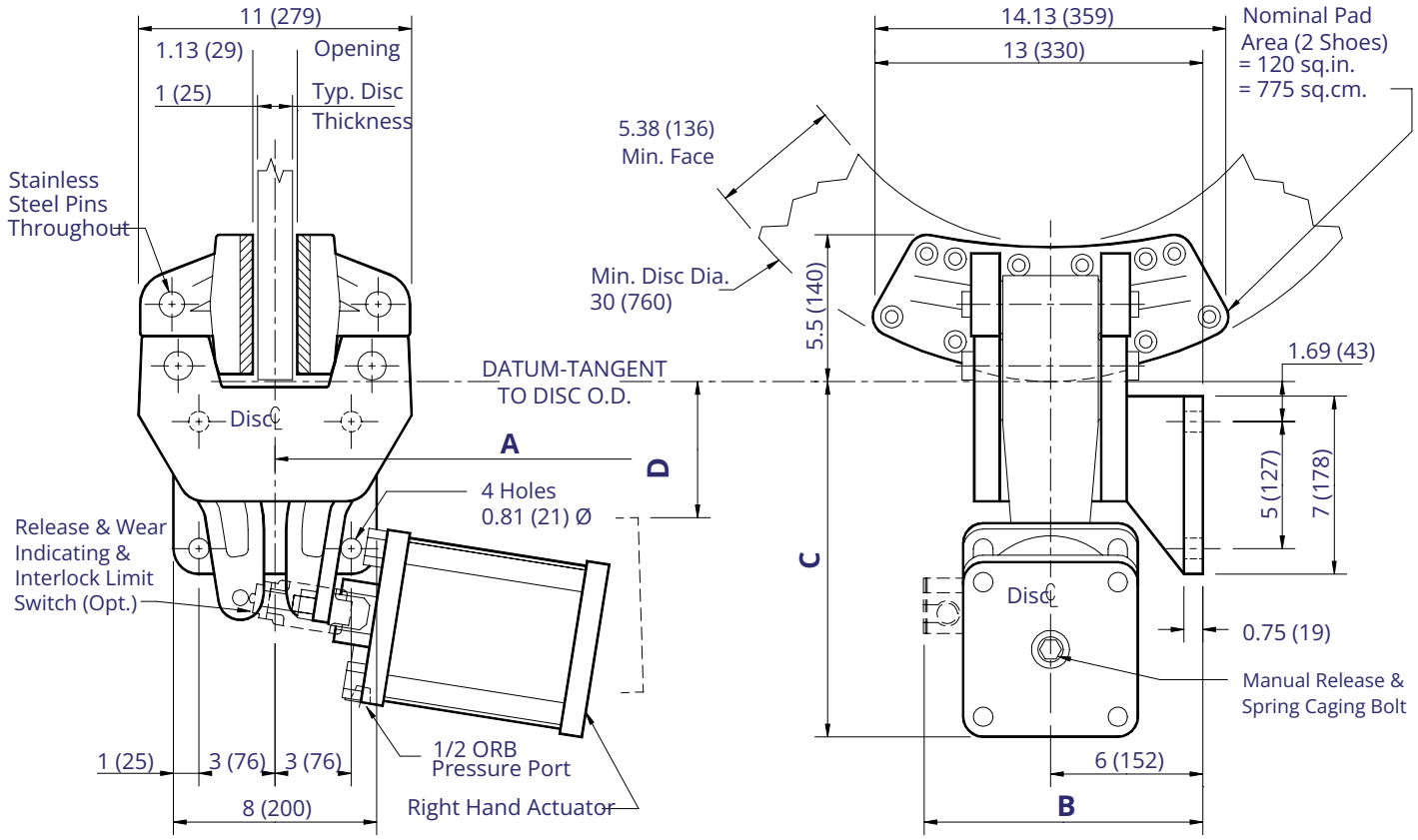
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280SHX Series Brake Calipers (foot-mounted)

DRAWING
BC280SHX-1.4



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- 1/2 ORB pressure port
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 0.81 in (21 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
280MHX	9920 / 44100	208 / 95	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/255	5.2/130	5170 / 7005	9300 / 12600	13400 / 18200	17600 / 23800
280HHX	12400 / 55200	209 / 95	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	6460 / 8760	11600 / 15800	16800 / 22800	22000 / 29800
28MBHX	15600 / 69400	212 / 96	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	8130 / 11000	14600 / 19800	21100 / 28600	27600 / 37500
28HBHX	19200 / 85400	213 / 97	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	14.5/370	11.3/286	14/355	5.2/130	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
28HHHX	28800 / 128000	230 / 105	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	16.5/420	11.3/286	14.3/365	5.2/130	15000 / 20300	27000 / 36600	39000 / 52900	51000 / 69200

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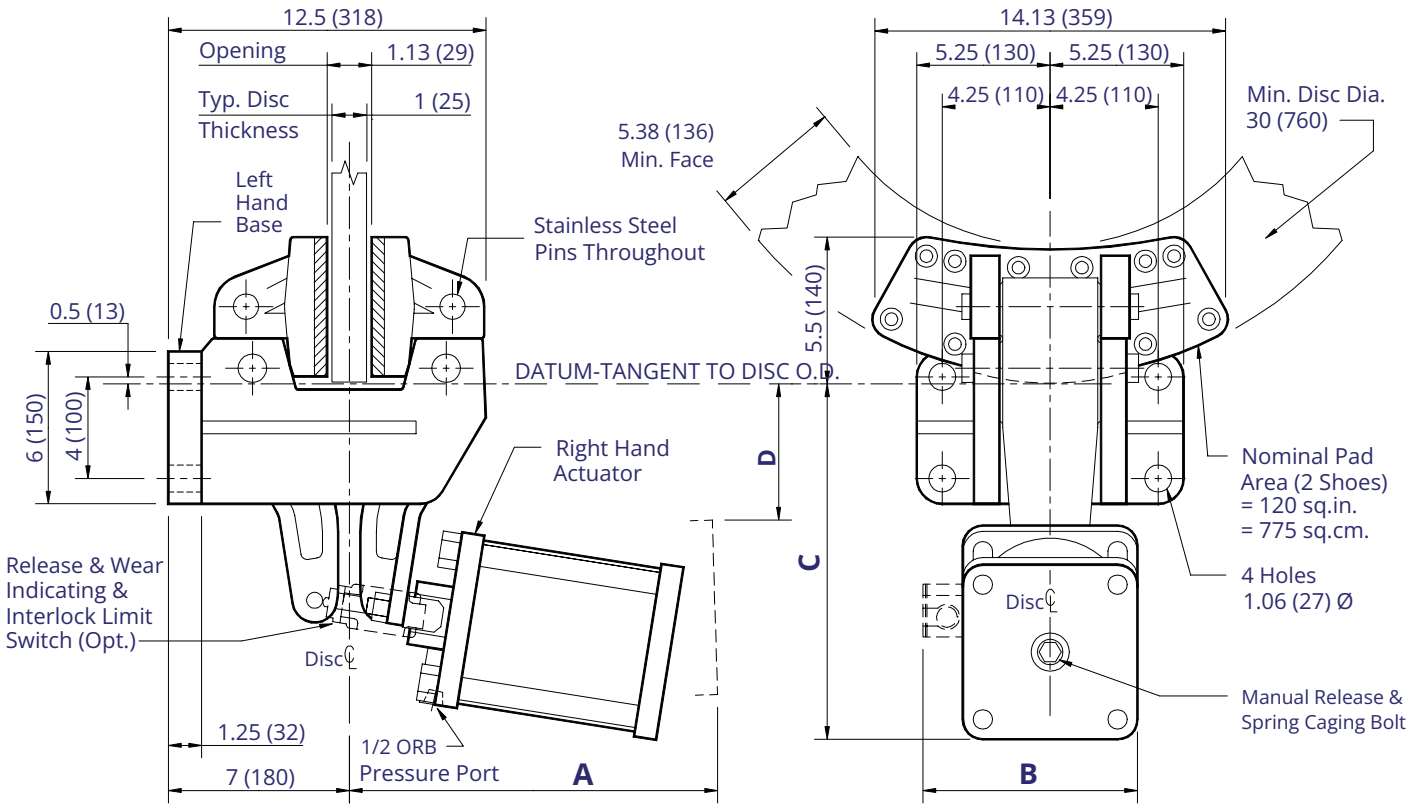
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300SHX Series Brake Calipers (side-mounted)

DRAWING
BC300SHX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.38 in (136 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
300MHX	9920 / 44100	204 / 93	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	5170 / 7005	9300 / 12600	13400 / 18200	17600 / 23800
300HHX	12400 / 55200	205 / 93	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	6460 / 8760	11600 / 15800	16800 / 22800	22000 / 29800
30MBHX	15600 / 69400	208 / 95	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	8130 / 11000	14600 / 19800	21100 / 28600	27600 / 37500
30HBHX	19200 / 85400	209 / 95	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	14.5/370	8.75/222	14/355	5.2/130	10000 / 13600	18000 / 24400	26000 / 35300	34000 / 46100
30HHHX	28800 / 128000	226 / 103	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	16.5/420	8.75/222	14.3/365	5.2/130	15000 / 20300	270000 / 36600	39000 / 52900	51000 / 69200

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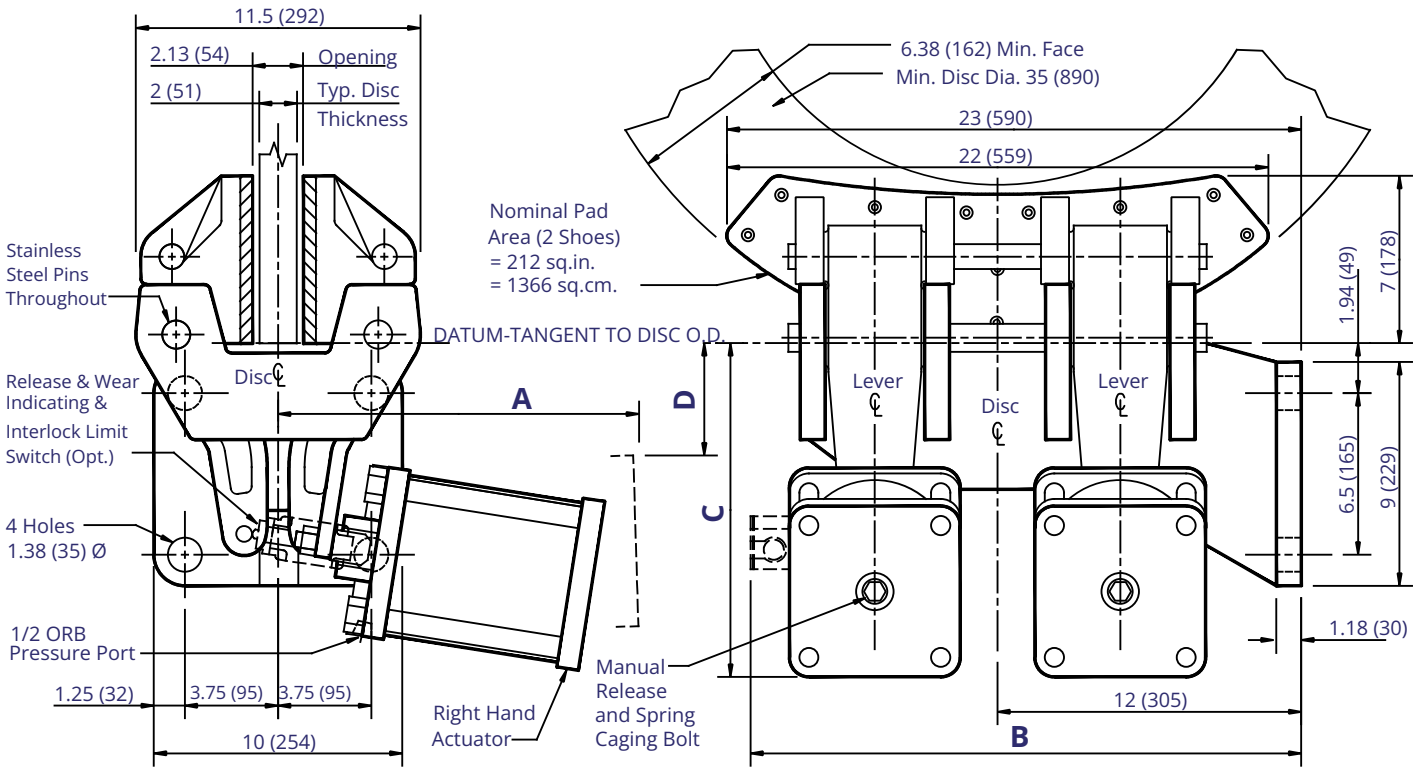
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380SH Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380SH-1.3



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 4 holes 1.38 in (35 mm) dia.
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
380MH	13200 / 58800	460 / 209	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	14.5/370	22.4/569	13.4/341	4.7/119	7990 / 10700	13500 / 18300	19000 / 25800	24500 / 33300
380HH	16500 / 73500	462 / 210	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	14.5/370	22.4/569	13.4/341	4.7/119	9990 / 13500	16900 / 22900	23800 / 32200	30700 / 41600
38MBH	20800 / 92500	468 / 213	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	14.5/370	22.4/569	13.4/341	4.7/119	12600 / 17000	21200 / 28800	29900 / 40500	38600 / 52300
38HBH	25600 / 114000	470 / 214	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	14.5/370	22.4/569	13.4/341	4.7/119	15500 / 21000	26100 / 35400	36800 / 49900	47500 / 64400
38HHH	38400 / 171000	504 / 229	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	16.5/420	22.4/569	13.7/351	4.7/119	23200 / 31800	39200 / 53200	55200 / 74900	71200 / 96500

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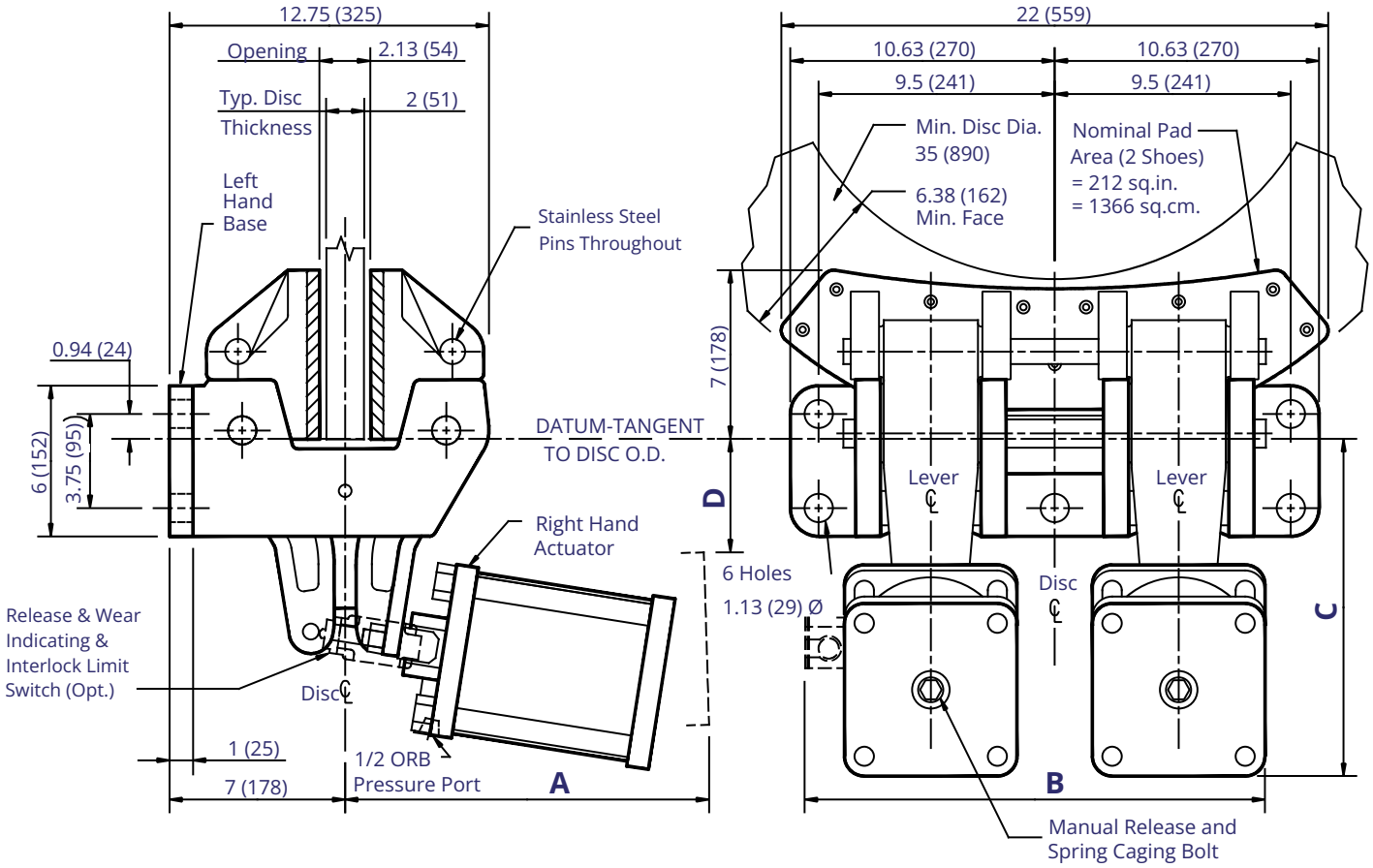
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400SH Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- Typ. disc thickness 2 in (51 mm); opening 2.13 in (54 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
40MH	13200 / 58800	460 / 209	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	14.5/370	18.5/470	13.4/341	4.7/119	7990 / 10700	13500 / 18300	19000 / 25800	24500 / 33300
40HH	16500 / 73500	462 / 210	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	14.5/370	18.5/470	13.4/341	4.7/119	9990 / 13500	16900 / 22900	23800 / 32200	30700 / 41600
40MBH	20800 / 92500	468 / 213	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	14.5/370	18.5/470	13.4/341	4.7/119	12600 / 17000	21200 / 28800	29900 / 40500	38600 / 52300
40HBH	25600 / 114000	470 / 214	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	14.5/370	18.5/470	13.4/341	4.7/119	15500 / 21000	26100 / 35400	36800 / 49900	47500 / 64400
40HHH	38400 / 171000	504 / 229	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	16.5/420	18.5/470	13.7/351	4.7/119	23200 / 31800	39200 / 53200	55200 / 74900	71200 / 96500

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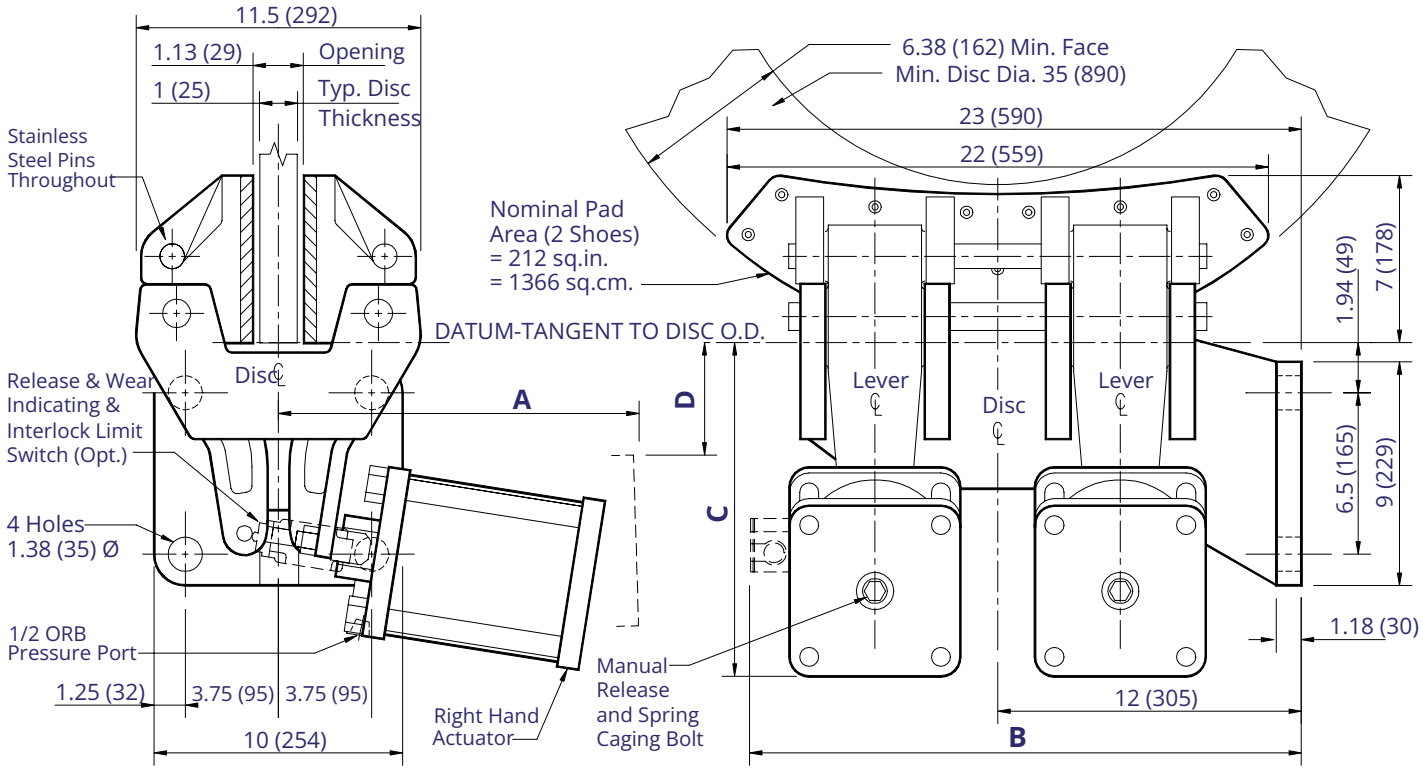
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380SHX Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC380SHX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 4 holes 1.38 in (35 mm) dia.
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
380MHX	19800 / 88300	460 / 209	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	14.5/370	22.4/568	13.4/341	4.7/119	12000 / 16100	20300 / 27500	28500 / 38700	36800 / 49900
380HHX	24800 / 110000	462 / 210	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	14.5/370	22.4/568	13.4/341	4.7/119	15000 / 20300	25300 / 34300	35700 / 48300	46000 / 62400
38MBHX	31200 / 139000	468 / 213	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	14.5/370	22.4/568	13.4/341	4.7/119	18900 / 25600	31900 / 43200	44900 / 60800	57900 / 78400
38HBHX	38400 / 171000	470 / 214	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	14.5/370	22.4/568	13.4/341	4.7/119	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
38HHHX	57600 / 256000	504 / 229	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	16.5/420	22.4/568	13.7/351	4.7/119	34800 / 46800	58800 / 79700	82800 / 112000	107000 / 145000

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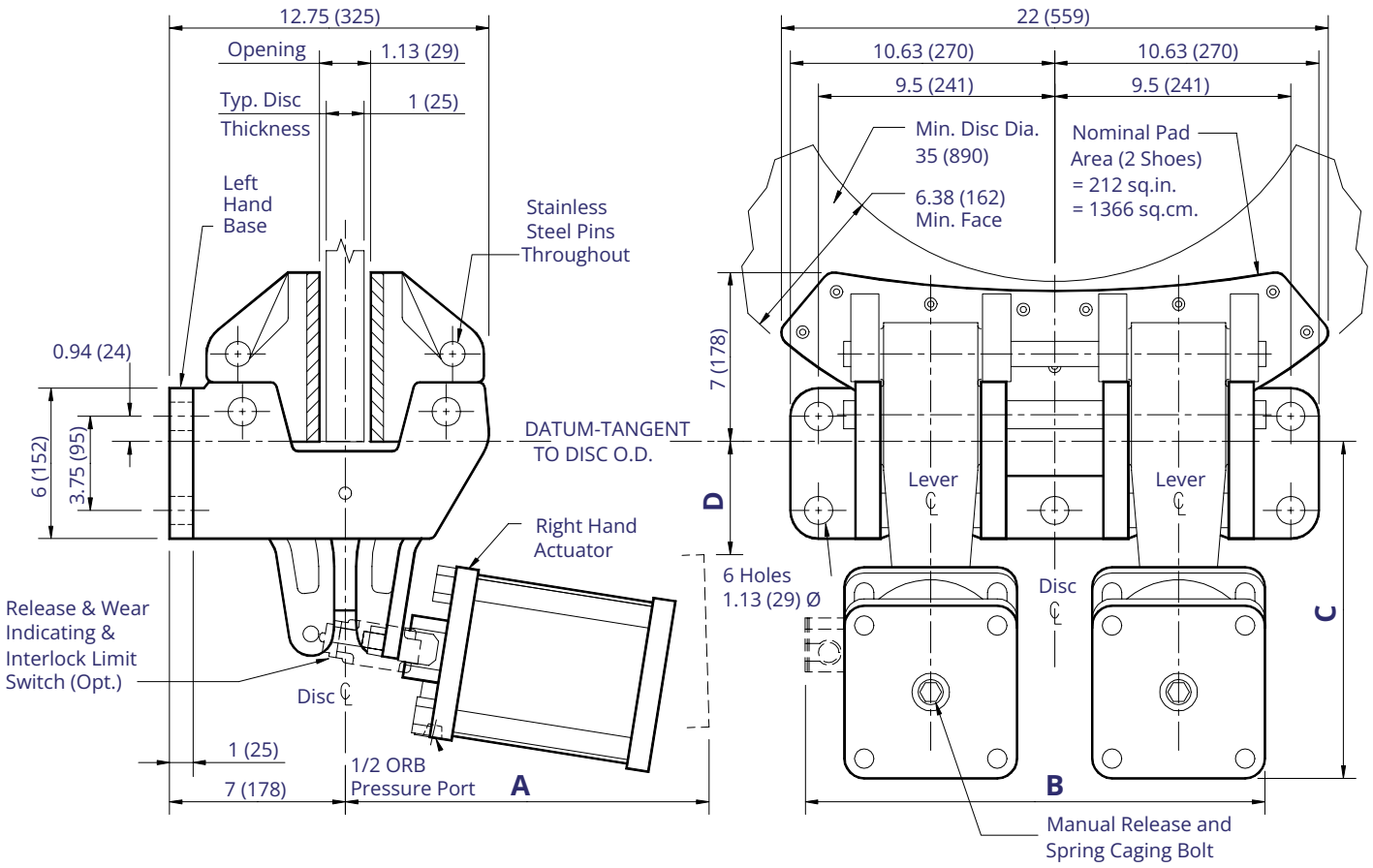
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400SHX Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC400SHX-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 35 in (890 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 212 sq.in / 1366 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 6 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @35in/890 lb-ft/Nm	@55/1400	@75/1900	@95/2410
400MHX	19800 / 88300	460 / 209	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	14.5/370	18.6/472	13.4/341	4.7/119	12000 / 16100	20300 / 27500	28500 / 38700	36800 / 49900
400HHX	24800 / 110000	462 / 210	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	14.5/370	18.6/472	13.4/341	4.7/119	15000 / 20300	25300 / 34300	35700 / 48300	46000 / 62400
40MBHX	31200 / 139000	468 / 213	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	14.5/370	18.6/472	13.4/341	4.7/119	18900 / 25600	31900 / 43200	44900 / 60800	57900 / 78400
40HBHX	38400 / 171000	470 / 214	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	14.5/370	18.6/472	13.4/341	4.7/119	23200 / 31500	39200 / 53200	55200 / 74900	71200 / 96500
40HHHX	57600 / 256000	504 / 229	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	16.5/420	18.6/472	13.7/351	4.7/119	34800 / 46800	58800 / 79700	82800 / 112000	107000 / 145000

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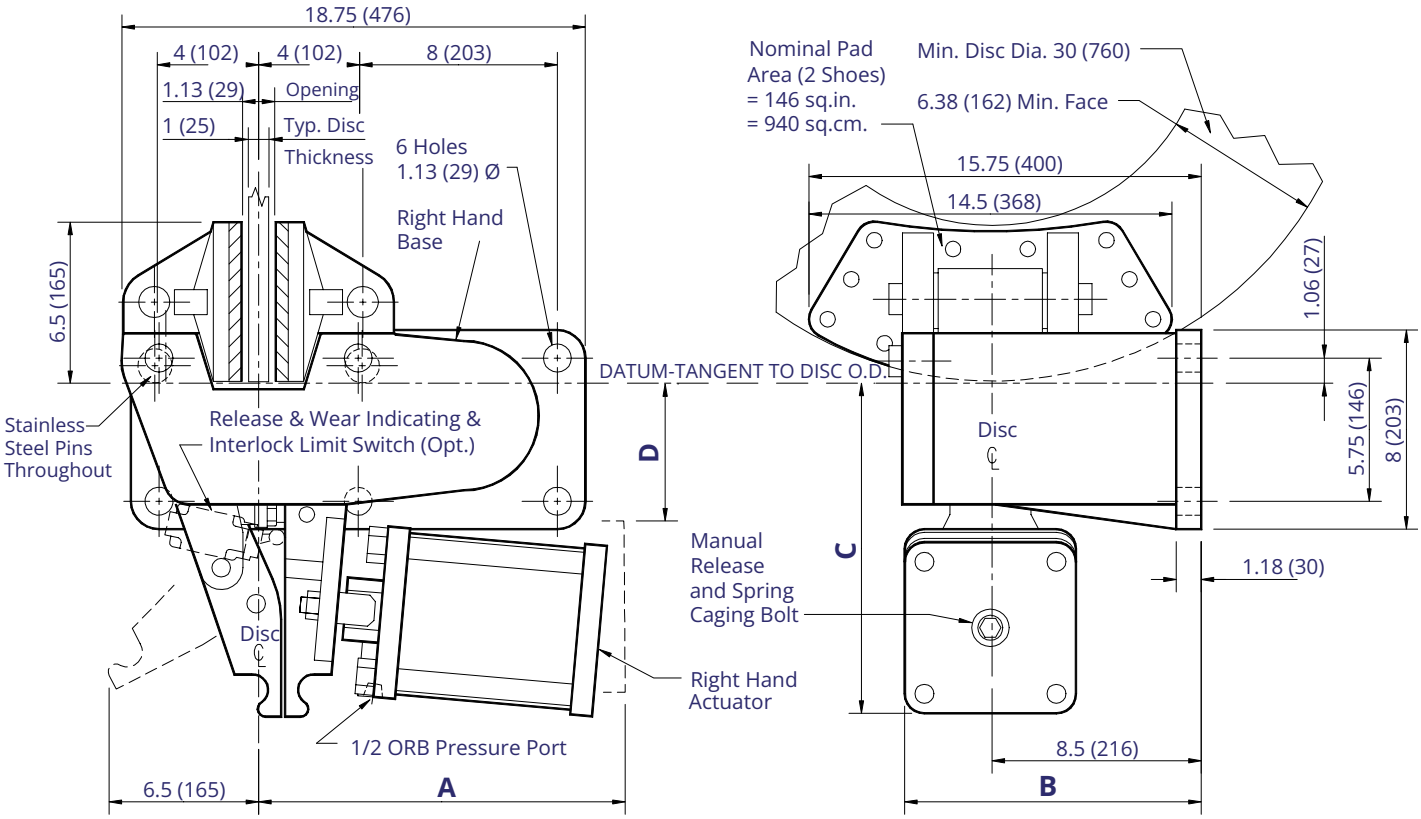
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480SH Series Brake Calipers (foot-mounted)

DRAWING
BC480SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 146 sq.in / 940 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port
- 6 holes 1.13 in (29 mm) dia.; right-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
48MH	13500 / 60000	310 / 141	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	15/381	12/305	12.3/312	5.5/140	6740 / 9040	12400 / 16800	18000 / 24400	23600 / 32000
48HH	16900 / 75000	311 / 141	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	15/381	12/305	12.3/312	5.5/140	8430 / 11400	15500 / 21000	22500 / 30500	29500 / 40000
48MBH	21200 / 94000	314 / 143	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	15/381	12/305	12.3/312	5.5/140	10600 / 14400	19400 / 26400	28300 / 38300	37100 / 50300
48HBH	26100 / 116000	315 / 143	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	15/381	12/305	12.3/312	5.5/140	13000 / 17700	23900 / 32400	34800 / 47200	45700 / 61900
48HHH	39100 / 174000	332 / 151	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	17/432	12/305	12.6/320	5.5/140	19600 / 26300	35900 / 48700	52200 / 70800	68500 / 92900

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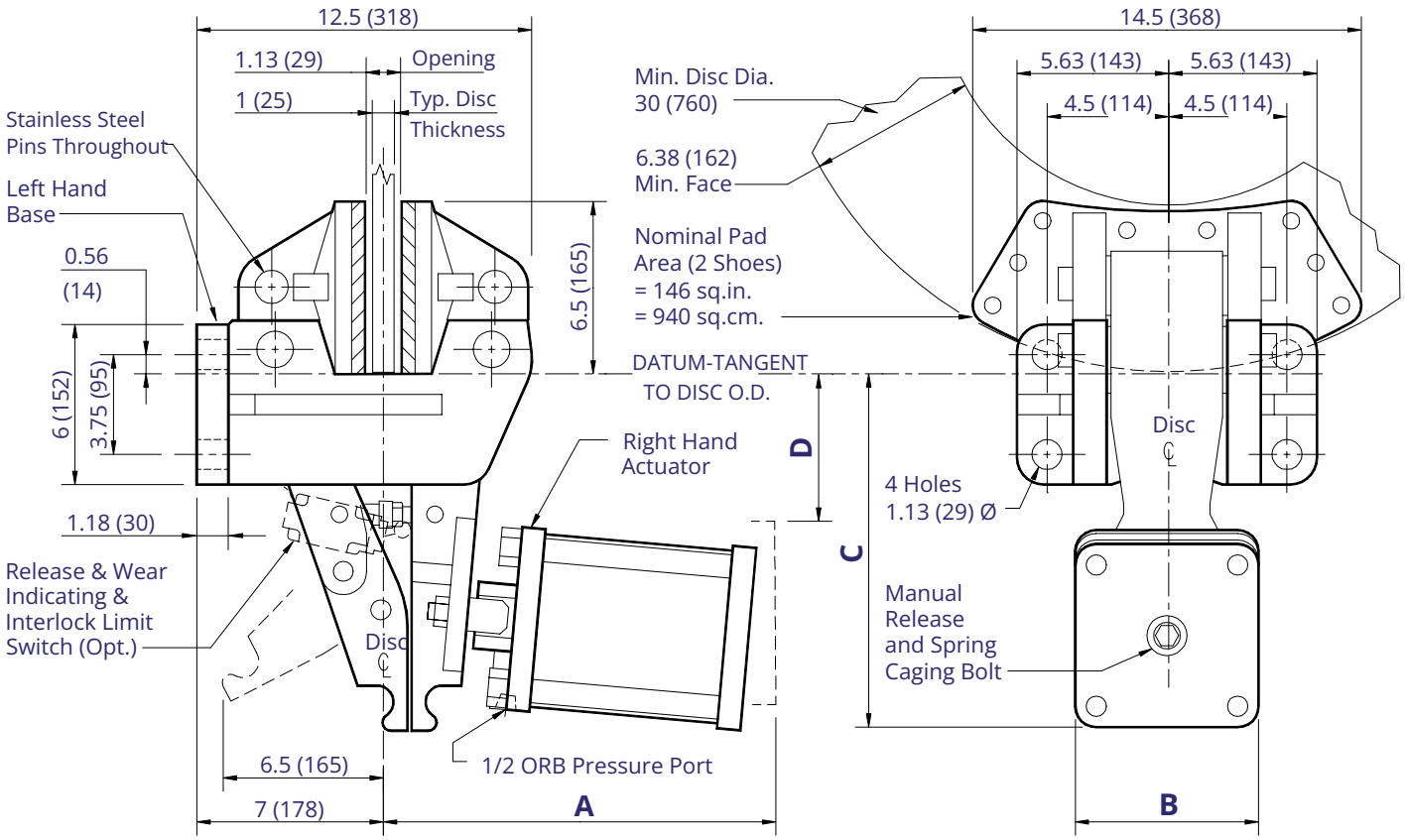
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500SH Series Brake Calipers (side-mounted)

DRAWING
BC500SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 6.38 in (162 mm)
- Nominal pad area (2 shoes) 146 sq.in / 940 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port
- 4 holes 1.13 in (29 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−6.0)/24 lb-ft | Nm: AF × 0.50 × (D−152.4)/2000
- Static torque = AF × 0.40 × (D−6.0)/24 lb-ft | Nm: AF × 0.40 × (D−152.4)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @30in/760 lb-ft/Nm	@50/1270	@70/1780	@90/2290
50MH	13500 / 60000	241 / 110	481 / 3320	457 / 3150	2000 / 13800	11.7 / 192	15/381	6.9/175	12.3/312	5.5/140	6740 / 9040	12400 / 16800	18000 / 24400	23600 / 32000
50HH	16900 / 75000	242 / 110	599 / 4130	569 / 3920	2000 / 13800	11.7 / 192	15/381	6.9/175	12.3/312	5.5/140	8430 / 11400	15500 / 21000	22500 / 30500	29500 / 40000
50MBH	21200 / 94000	245 / 111	755 / 5210	717 / 4950	2000 / 13800	11.7 / 192	15/381	6.9/175	12.3/312	5.5/140	10600 / 14400	19400 / 26400	28300 / 38300	37100 / 50300
50HBH	26100 / 116000	246 / 112	909 / 6270	864 / 5960	2000 / 13800	11.7 / 192	15/381	6.9/175	12.3/312	5.5/140	13000 / 17700	23900 / 32400	34800 / 47200	45700 / 61900
50HHH	39100 / 174000	263 / 120	1090 / 7540	1040 / 7160	2000 / 13800	14.6 / 240	17/432	6.9/175	12.6/320	5.5/140	19600 / 26300	35900 / 48700	52200 / 70800	68500 / 92900

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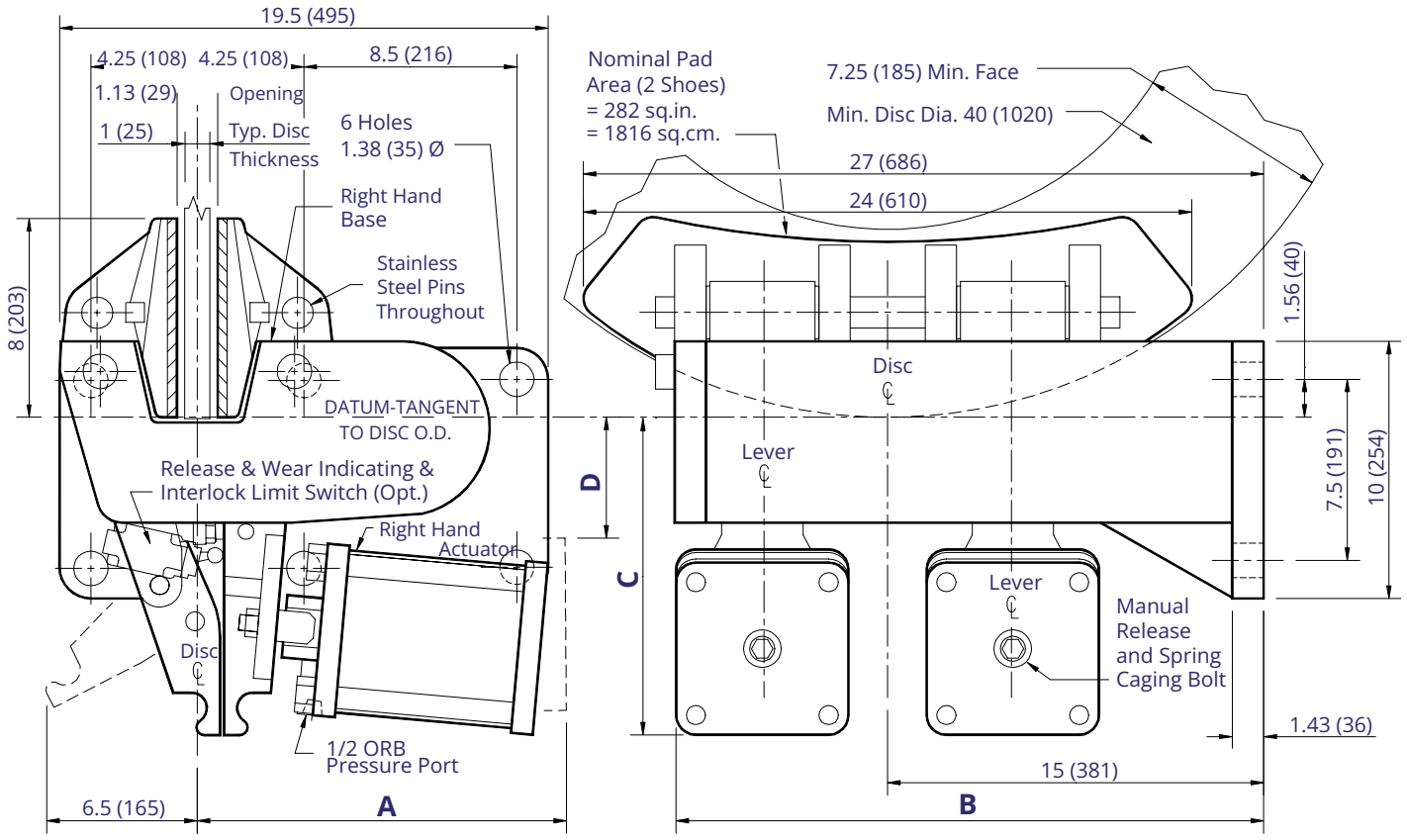
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580SH Series Brake Calipers

(foot-mounted, twin actuator)

DRAWING
BC580SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 6 holes 1.38 in (35 mm) dia.; right-hand base shown
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @40in/1020 lb-ft/Nm	@60/1520	@80/2030	@100/2540
58MH	27000 / 120000	720 / 327	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	15/381	23.5/597	13/330	5/127	18500 / 25100	29700 / 40300	41000 / 55600	52200 / 70800
58HH	33700 / 150000	722 / 328	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	15/381	23.5/597	13/330	5/127	23100 / 31300	37100 / 50500	51200 / 69400	65200 / 88400
58MBH	42400 / 189000	728 / 331	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	15/381	23.5/597	13/330	5/127	29000 / 39300	46700 / 63300	64400 / 87300	82000 / 111000
58HBH	52200 / 232000	730 / 332	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	15/381	23.5/597	13/330	5/127	35700 / 48400	57500 / 78000	79200 / 107000	101000 / 137000
58HHH	78300 / 348000	764 / 347	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	17/432	23.5/597	13.3/337	5/127	53600 / 72700	86200 / 117000	11900 / 161000	151000 / 205000

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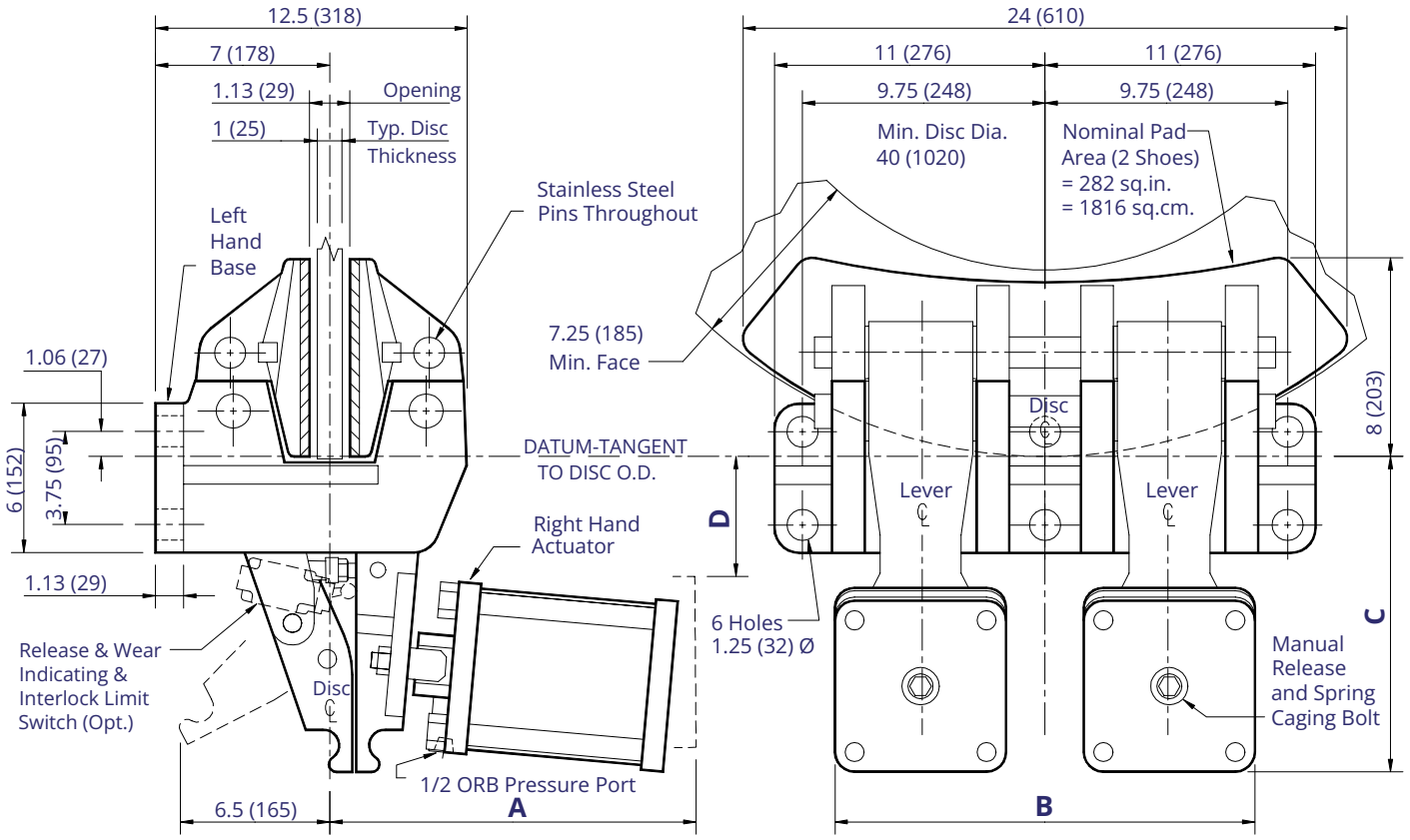
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600SH Series Brake Calipers

(side-mounted, twin actuator)

DRAWING
BC600SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; twin lever/actuator arrangement
- 6 holes 1.25 in (32 mm) dia.; left-hand base shown
- First row is labelled 60MB on the drawing (not 60MH)
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in³/cm³	A	B	C	D	Max dyn. torque @40in/1020 lb-ft/Nm	@60/1520	@80/2030	@100/2540
60MB	27000 / 120000	620 / 282	481 / 3320	457 / 3150	2000 / 13800	23.5 / 385	15/381	17/432	13/330	5/127	18500 / 25100	29700 / 40300	41000 / 55600	52200 / 70800
60HH	33700 / 150000	622 / 283	599 / 4130	569 / 3920	2000 / 13800	23.5 / 385	15/381	17/432	13/330	5/127	23100 / 31300	37100 / 50500	51200 / 69400	65200 / 88400
60MBH	42400 / 189000	628 / 285	755 / 5210	717 / 4950	2000 / 13800	23.5 / 385	15/381	17/432	13/330	5/127	29000 / 39300	46700 / 63300	64400 / 87300	82000 / 111000
60HBH	52200 / 232000	630 / 286	909 / 6270	864 / 5960	2000 / 13800	23.5 / 385	15/381	17/432	13/330	5/127	35700 / 48400	57500 / 78000	79200 / 107000	101000 / 137000
60HHH	78300 / 348000	664 / 302	1090 / 7540	1040 / 7160	2000 / 13800	29.2 / 478	17/432	17/432	13.3/337	5/127	53600 / 72700	86200 / 117000	11900 / 161000	151000 / 205000

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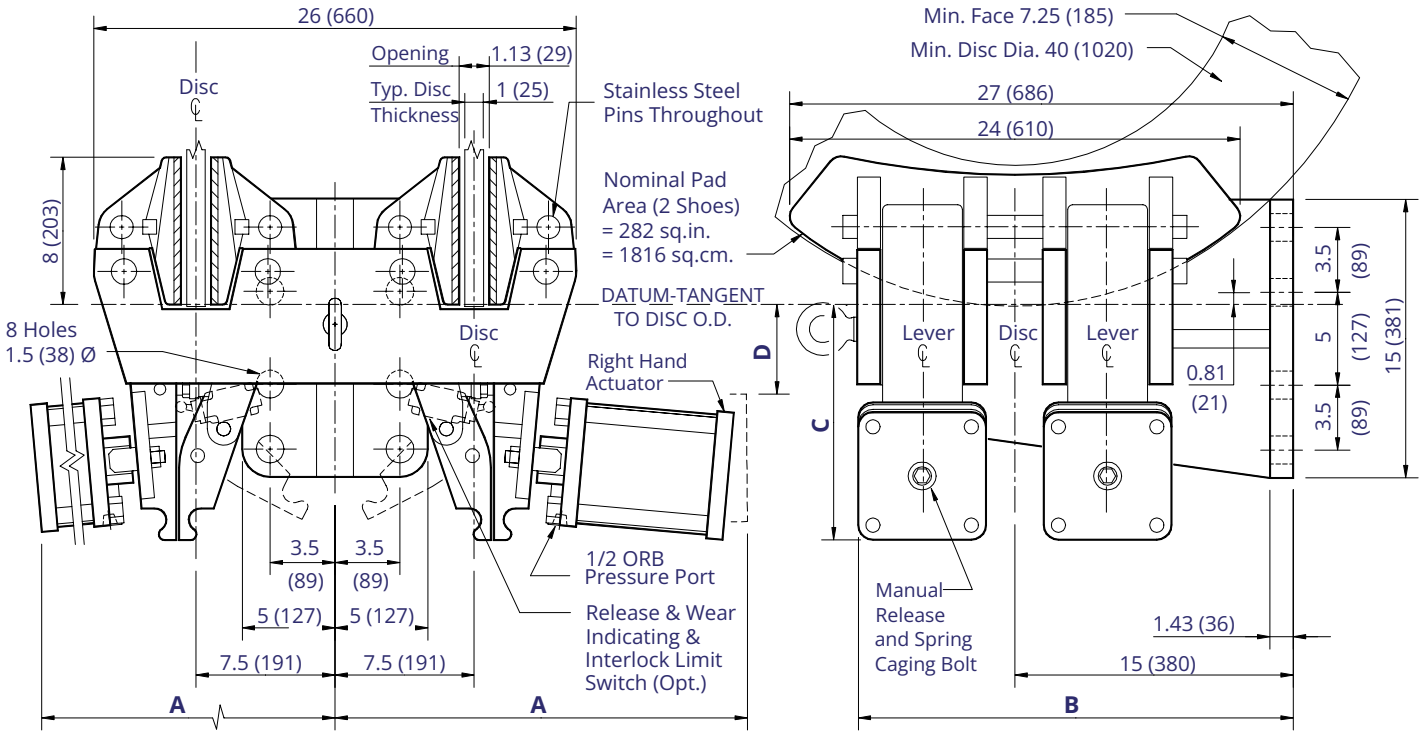
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T58SH Series Brake Calipers

(foot-mounted, twin caliper)

DRAWING
BCT58SH-1.2



Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- Spring-applied & hydraulic released
- Stainless steel pins throughout
- Manual release & spring caging bolt fitted
- Optional release & wear indicating & interlock limit switch
- Min. disc dia. 40 in (1020 mm); min. face 7.25 in (185 mm)
- Nominal pad area (2 shoes) 282 sq.in / 1816 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 1/2 ORB pressure port; 8 holes 1.5 in (38 mm) dia.
- Dynamic torque = AF × 0.50 × (D−7.13)/24 lb-ft | Nm: AF × 0.50 × (D−181)/2000
- Static torque = AF × 0.40 × (D−7.13)/24 lb-ft | Nm: AF × 0.40 × (D−181)/2000

Model no.	Applied force lb/N	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Maximum psi/kPa	Max volume in^3/cm^3	A	B	C	D	Max dyn. torque @40in/1020 lb-ft/Nm	@60/1520
T-58MH	53900 / 240000	1307 / 594	481 / 3320	457 / 3150	2000 / 13800	47 / 770	22.3/565	23.5/597	13/330	5/127	37100 / 49900	59600 / 80800
T-58HH	67400 / 300000	1311 / 596	599 / 4130	569 / 3920	2000 / 13800	47 / 770	22.3/565	23.5/597	13/330	5/127	46400 / 62900	74400 / 101000
T-58MBH	84800 / 377000	1323 / 601	755 / 5210	717 / 4950	2000 / 13800	47 / 770	22.3/565	23.5/597	13/330	5/127	58300 / 79100	93700 / 127000
T-58HBH	104000 / 464000	1327 / 603	909 / 6270	864 / 5960	2000 / 13800	47 / 770	22.3/565	23.5/597	13/330	5/127	71800 / 97300	115000 / 156000
T-58HHH	157000 / 697000	1395 / 634	1090 / 7540	1040 / 7160	2000 / 13800	58 / 956	24.3/616	23.5/597	13/330	5/127	108000 / 145000	173000 / 234000

Model no.	@80/2030	@100/2540
T-58MH	82000 / 111000	104000 / 142000
T-58HH	103000 / 139000	131000 / 177000
T-58MBH	129000 / 175000	164000 / 223000
T-58HBH	159000 / 215000	202000 / 274000
T-58HHH	238000 / 323000	303000 / 411000

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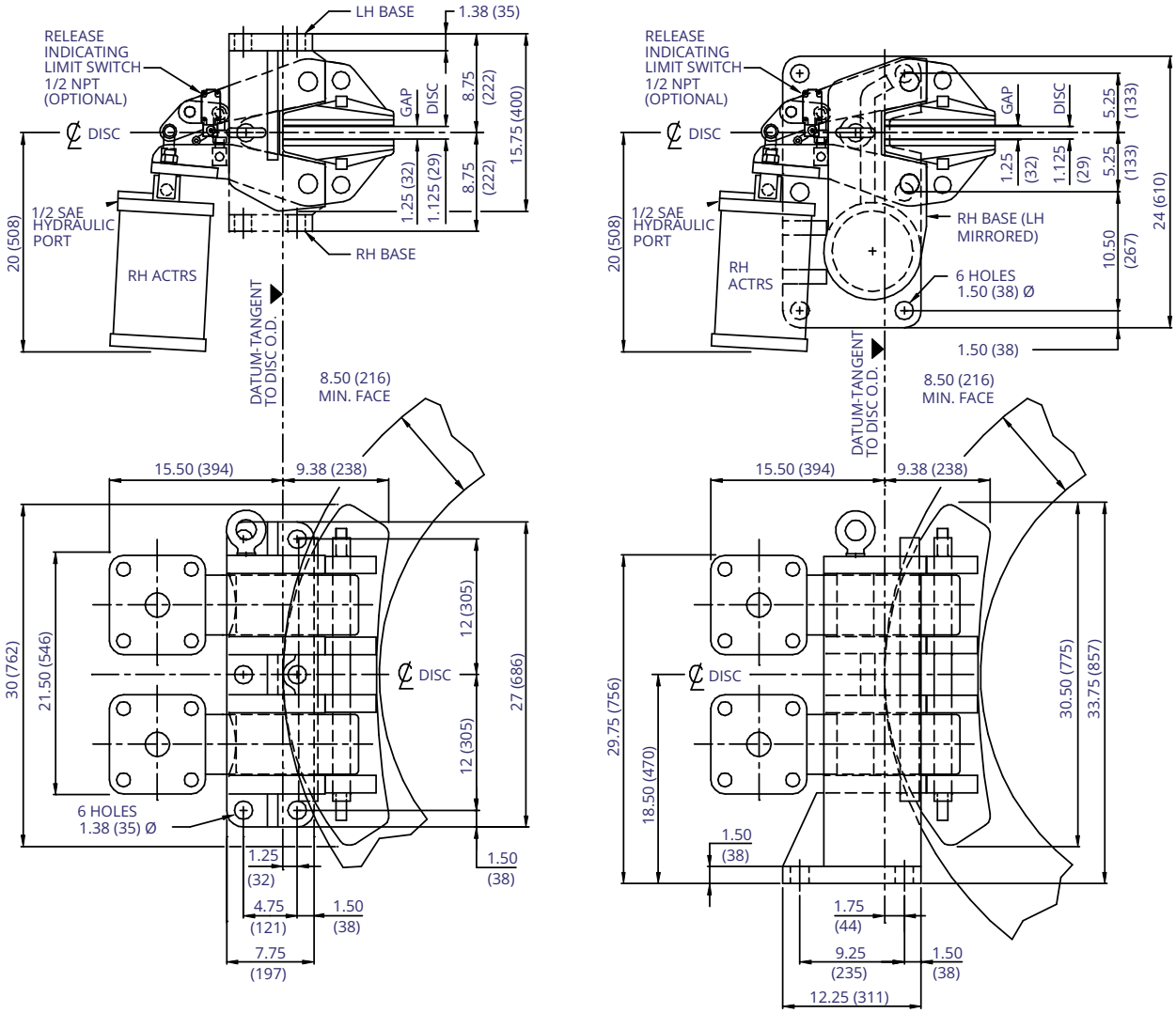
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7200H and 7400H Brake Calipers

Spring-set, hydraulic-released

DRAWING
SPB7274-01.2



7200H CALIPER

SIDE MOUNTED

7400H CALIPER

FOOT-MOUNTED

05

Notes

- SPRING FORCE COMPENSATING TOGGLE MECHANISM
- NOMINAL TORQUE RATINGS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS): DYNAMIC TORQUE (lb-ft) = 2450 x (DISC DIA. (inches) - 8.5) DYNAMIC TORQUE (Nm) = 130.8 x (DISC DIA. (mm) - 216) STATIC TORQUE (lb-ft) = 1960 x (DISC DIA. (inches) - 8.5) STATIC TORQUE (Nm) = 104.6 x (DISC DIA. (mm) - 216)
- **NOMINAL PRESSURES:**
  - RELEASE PRESSURE = 1000 psi / 68 bar
  - HOLD-OFF PRESSURE = 900 psi / 61 bar
  - MAXIMUM PRESSURE = 2000 psi / 136 bar
- **WEIGHT:**
  - 7200 SERIES = 1370 lbs / 623 kg
  - 7400 SERIES = 1625 lbs / 739 kg
- **RELEASE VOLUMES:**
  - @ NEW LININGS = 20 in^3 / 328 cm^3
  - MAXIMUM = 46 in^3 / 754 cm^3

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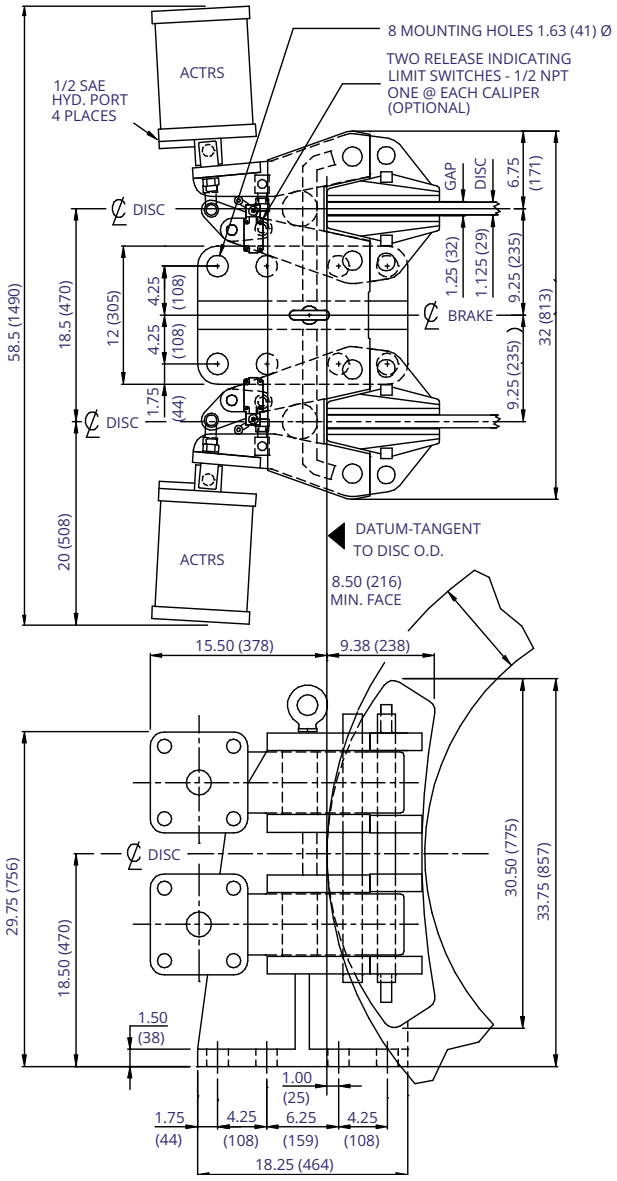
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7600H Tandem Brake Caliper

Spring-set, hydraulic-released

DRAWING
SPB7600-01.2



Notes

- SPRING FORCE COMPENSATING TOGGLE MECHANISM
- NOMINAL TORQUE RATINGS (BASED ON 0.50 DYNAMIC AND 0.40 STATIC COEFFICIENTS): DYNAMIC TORQUE (lb-ft) = 4900 x (DISC DIA. (inches) - 8.5) DYNAMIC TORQUE (Nm) = 261.6 x (DISC DIA. (mm) - 216) STATIC TORQUE (lb-ft) = 3920 x (DISC DIA. (inches) - 8.5) STATIC TORQUE (Nm) = 209.3 x (DISC DIA. (mm) - 216)
- **NOMINAL PRESSURES:**
  - RELEASE PRESSURE = 1000 psi / 68 bar
  - HOLD-OFF PRESSURE = 900 psi / 61 bar
  - MAXIMUM PRESSURE = 2000 psi / 136 bar
- **RELEASE VOLUMES:**
  - @ NEW LININGS = 40 in^3 / 655 cm^3
  - MAXIMUM = 92 in^3 / 1510 cm^3
- **WEIGHT:**
  - 2625 lbs
  - 1193 kg

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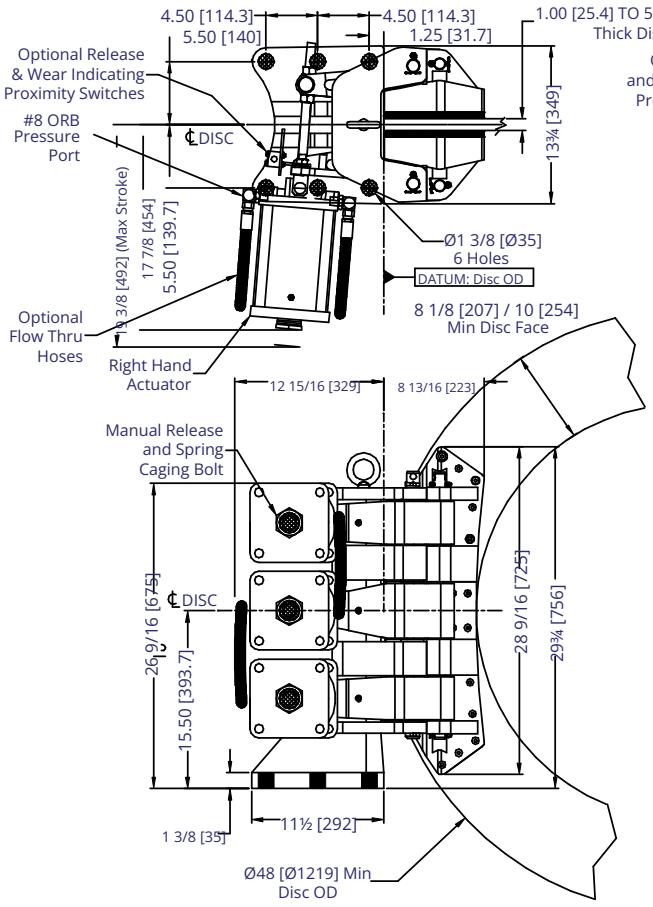
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7800 / 8000 Brake Calipers

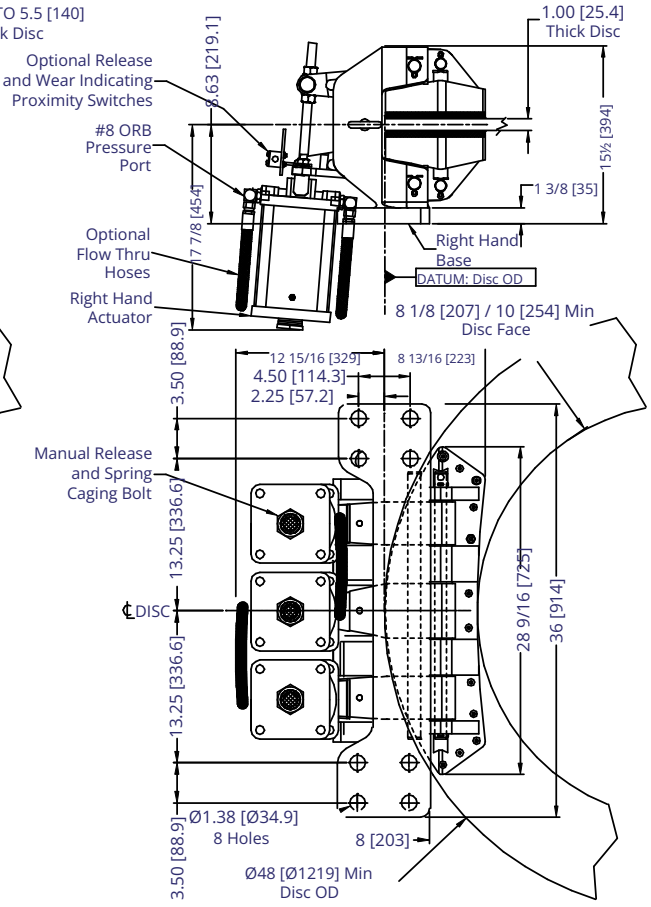
(spring-set, hydraulic released)

DRAWING
BC78SH-1.0

7800 CALIPER
FOOT MOUNTED



8000 CALIPER
SIDE MOUNTED



Specifications

Dual in/mm, lbs [kN], lbs [KG], lb-ft/Nm

- Spring-set, hydraulic released
- Max dynamic torque is based on minimum air gap and a coefficient of friction of 0.5
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be de-rated by at least 20 percent
- Disc may be solid or ventilated and shaft or coupling mounted
- Manual release and spring caging bolt; optional release & wear indicating proximity switches; optional flow-thru hoses
- #8 ORB pressure port; min. disc OD 48 in (1219 mm); min. disc face 8-1/8 in (207 mm) / 10 in (254 mm)
- Foot-mounted (7800/7800X) 6 holes 1-3/8 in (35 mm) dia.; side-mounted (8000/8000X) 8 holes 1.38 in (34.9 mm) dia.
- Max stroke 19-3/8 in (492 mm)
- 1.00 in (25.4) to 5.5 in (140) thick discs are standard

Model no. (foot / side mounted)	Applied force lbs [kN]	Weight lbs [KG]	Release psi [bar]	Hold-off psi [bar]	Maximum psi [bar]	Max volume in³ [cm³]	Max dyn. torque @50in/1270 lb-ft/Nm	@60/1520	@70/1780	@80/2030	@90/2290
78MH / 80MH	19800 [132.1]	883 [401]	470 [32]	425 [29]	2000 [138]	35.2 [577]	17325 / 23480	21450 / 29080	25575 / 34670	29700 / 40260	33825 / 45860
78HH / 80HH	24750 [165.5]	886 [403]	580 [40]	525 [36]	2000 [138]	35.2 [577]	21685 / 29360	26812 / 36352	31968 / 43340	37125 / 50330	42280 / 57320
78MBH / 80MBH	31200 [208.2]	892 [405]	730 [50]	665 [46]	2000 [138]	35.2 [577]	27300 / 37000	33800 / 45820	40300 / 54630	46800 / 63450	53300 / 72260
78HBH / 80HBH	38400 [256.2]	895 [407]	850 [59]	775 [53]	2000 [138]	35.2 [577]	33600 / 45550	41600 / 56400	49600 / 67240	57600 / 78090	65600 / 88940
78HHH / 80HHH	57600 [384.3]	940 [427]	1100 [76]	1000 [69]	2000 [138]	42.4 [695]	50400 / 68300	62400 / 84600	74400 / 100870	86400 / 117140	98400 / 133400

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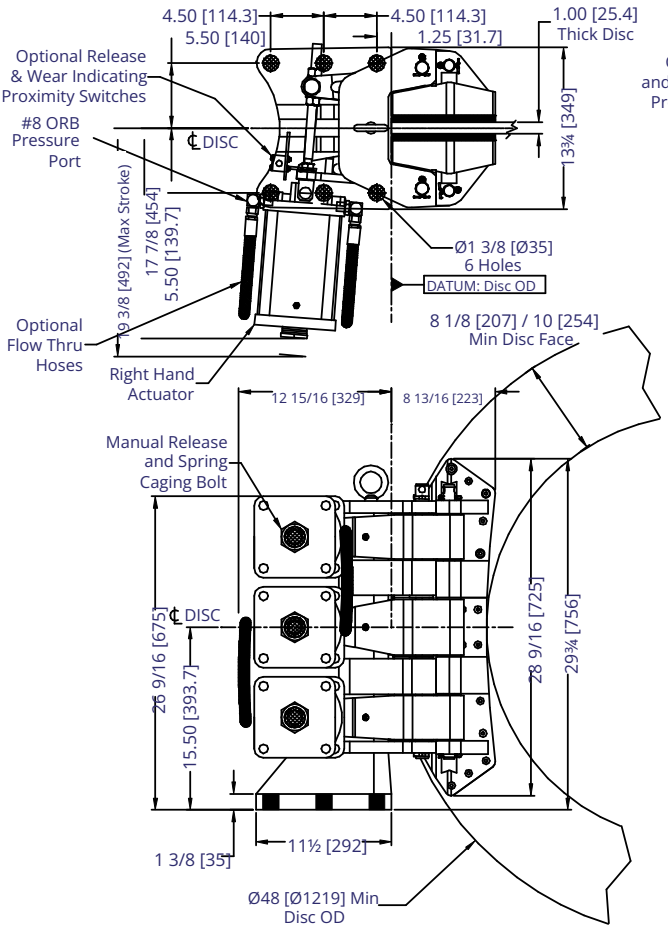
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7800X / 8000X Brake Calipers

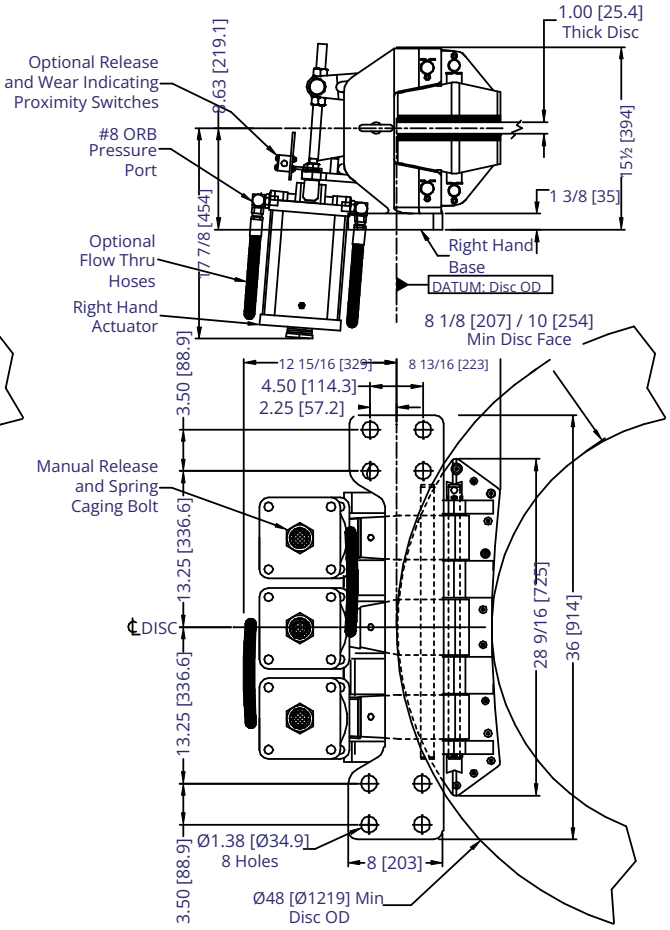
(spring-set, hydraulic released)

DRAWING
BC78SHX-1.0

7800X CALIPER
FOOT MOUNTED



8000X CALIPER
SIDE MOUNTED



Specifications

Dual in/mm, lbs [kN], lbs [KG], Ft-Lbs/Nm

- Spring-set, hydraulic released
- Max dynamic torque is based on minimum air gap and a coefficient of friction of 0.5
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be de-rated by at least 20 percent
- Disc may be solid or ventilated and shaft or coupling mounted
- Manual release and spring caging bolt; optional release & wear indicating proximity switches; optional flow-thru hoses
- #8 ORB pressure port; min. disc OD 48 in (1219 mm); min. disc face 8-1/8 in (207 mm) / 10 in (254 mm)
- Foot-mounted (7800/7800X) 6 holes 1-3/8 in (35 mm) dia.; side-mounted (8000/8000X) 8 holes 1.38 in (34.9 mm) dia.
- Max stroke 19-3/8 in (492 mm)
- 1.00 in (25.4 mm) thick disc

Model no. (foot / side mounted)	Applied force lbs [kN]	Weight lbs [KG]	Release psi [bar]	Hold-off psi [bar]	Maximum psi [bar]	Max volume in³ [cm³]	Max dyn. torque @50in/1270 lb-ft/Nm	@60/1520	@70/1780	@80/2030	@90/2290
78MHX / 80MHX	29700 [132.1]	883 [401]	470 [32]	425 [29]	2000 [138]	35.2 [577]	25990 / 35324	31275 / 43735	38363 / 52146	44550 / 60556	50738 / 68966
78HHX / 80HHX	37200 [165.5]	886 [403]	580 [40]	525 [36]	2000 [138]	35.2 [577]	32550 / 44006	40300 / 54483	48050 / 64961	55800 / 75438	63550 / 85916
78MBHX / 80MBHX	46800 [208.2]	892 [405]	730 [50]	665 [46]	2000 [138]	35.2 [577]	40950 / 55607	50700 / 68847	60450 / 82086	70200 / 95326	79950 / 108566
78HBHX / 80HBHX	57600 [256.2]	895 [407]	850 [59]	775 [53]	2000 [138]	35.2 [577]	50400 / 68409	62400 / 84696	74400 / 100984	86400 / 117272	98400 / 133560
78HHHX / 80HHHX	86400 [384.3]	940 [427]	1100 [76]	1000 [69]	2000 [138]	42.4 [695]	75600 / 102413	93600 / 126797	111600 / 151180	129600 / 175565	147600 / 199949

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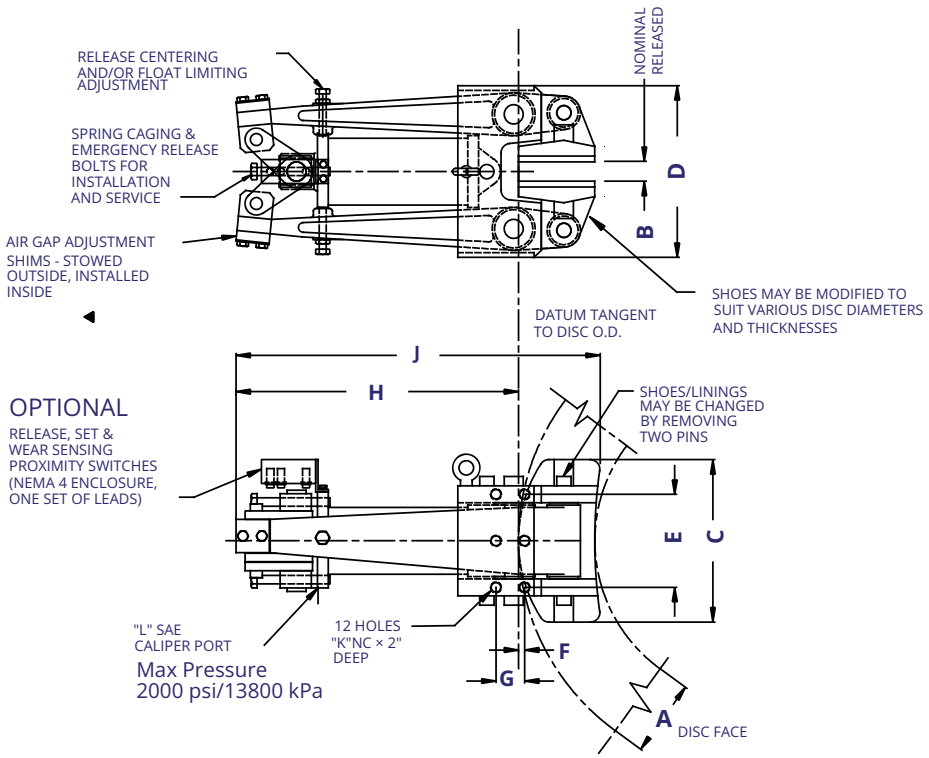
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TL Series Brake Calipers (toggle lever)

DRAWING
BCTL01-01.4



Specifications

Dual in/mm, lb/kN, lb/kg, in²/cm²

- Spring-applied & hydraulic released
- Shoes may be modified to suit various disc diameters and thicknesses
- Shoes/linings may be changed by removing two pins
- Spring caging & emergency release bolts for installation and service
- Release centering and/or float limiting adjustment; air gap adjustment shims (stowed outside, installed inside)
- Optional release, set & wear sensing proximity switches (NEMA 4 enclosure, one set of leads)
- "L" SAE caliper port — max pressure 2000 psi / 13800 kPa
- 12 mounting holes, "K" NC thread × 2 in deep
- Dynamic torque = AF × 0.50 × (D−A in.)/24 lb-ft | Nm: AF × 0.50 × (D−A mm)/2
- Static torque = AF × 0.40 × (D−A in.)/24 lb-ft | Nm: AF × 0.40 × (D−A mm)/2
- AF = applied force, D = disc diameter

Model no.	Applied force lb/kN	Weight lb/kg	Release psi/kPa	Hold-off psi/kPa	Max volume in³/cm³	Pad area (two pads) in²/cm²	A	B	C	D	E	F	G	H
TL075	75000 / 334	1260 / 573	1500 / 10335	1400 / 9646	40 / 656	225 / 1450	8/203	2.13/54	17/432	18/457	10.13/257	0.625/16	3/76	29.5/749
TL150	150000 / 668	2360 / 1073	1300 / 8957	1175 / 8096	100 / 1640	360 / 2320	9/227	2.63/67	23/584	26/660	13/330	0.75/19	3.5/89	36/914
TL250	250000 / 1112	3480 / 1627	950 / 6546	860 / 5925	179 / 2936	530 / 3420	9.5/241	3.13/80	28/712	33.5/851	16/406	0.88/22	4/102	50/1270
TL375	375000 / 1668	5570 / 2529	1275 / 8785	1150 / 7924	160 / 2621	570 / 3670	9.75/248	5.24/133	31/787	39.5/1003	25.5/648	3.87/98	7.5/191	56.26/1429
TL550	550000 / 2446	5730 / 2601	1350 / 9302	1275 / 8785	160 / 2621	570 / 3670	9.75/248	5.24/133	31/787	39.5/1003	25.5/648	3.87/98	7.5/191	56.26/1429
TL800	800000 / 3562	8520 / 3868	1500 / 10335	1440 / 9922	254 / 4162	720 / 4645	11/280	5.24/133	40/1016	43/1092	32.25/819	6/152	12.5/318	64.35/1635

Model no.	J	K	L port
TL075	38/965	1/27	#8 ORB
TL150	45/1143	1.375/36	#12 ORB
TL250	59/1500	1.75/48	#16 ORB
TL375	65.76/1670	2	#16 ORB
TL550	65.76/1670	2	#16 ORB
TL800	75.23/1911	2.75	#16 ORB

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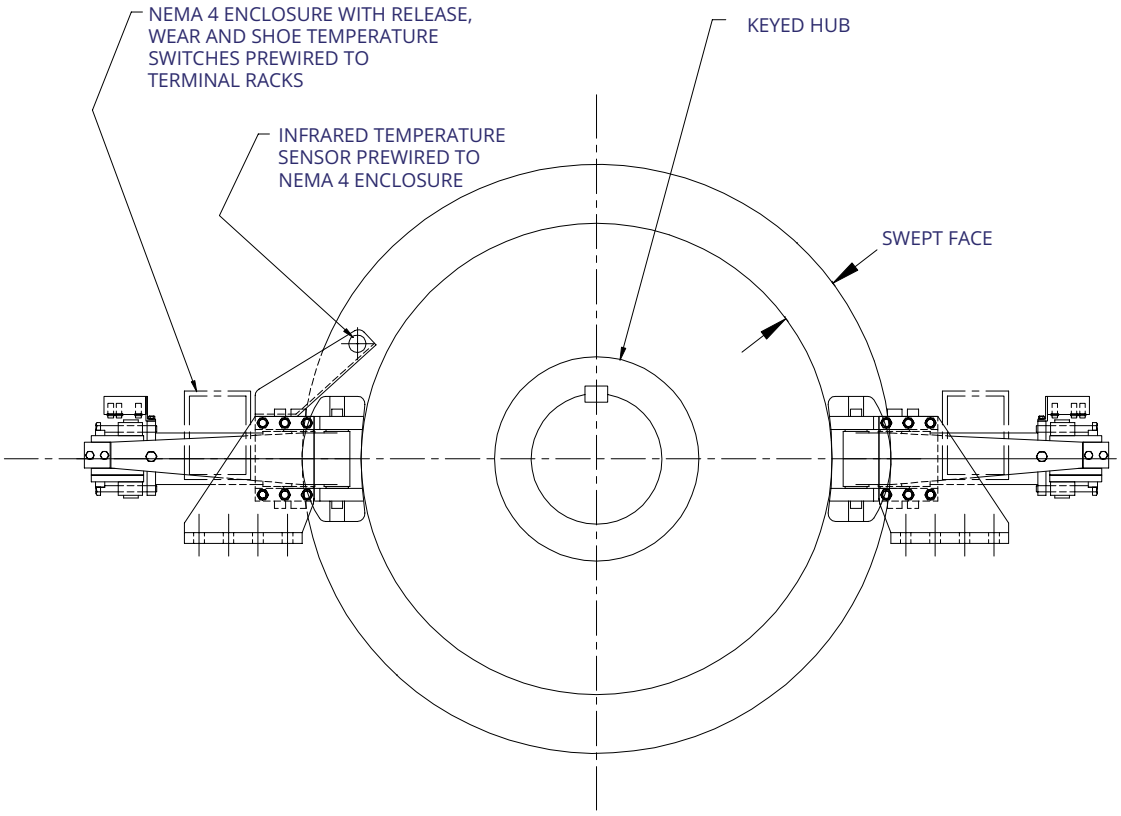
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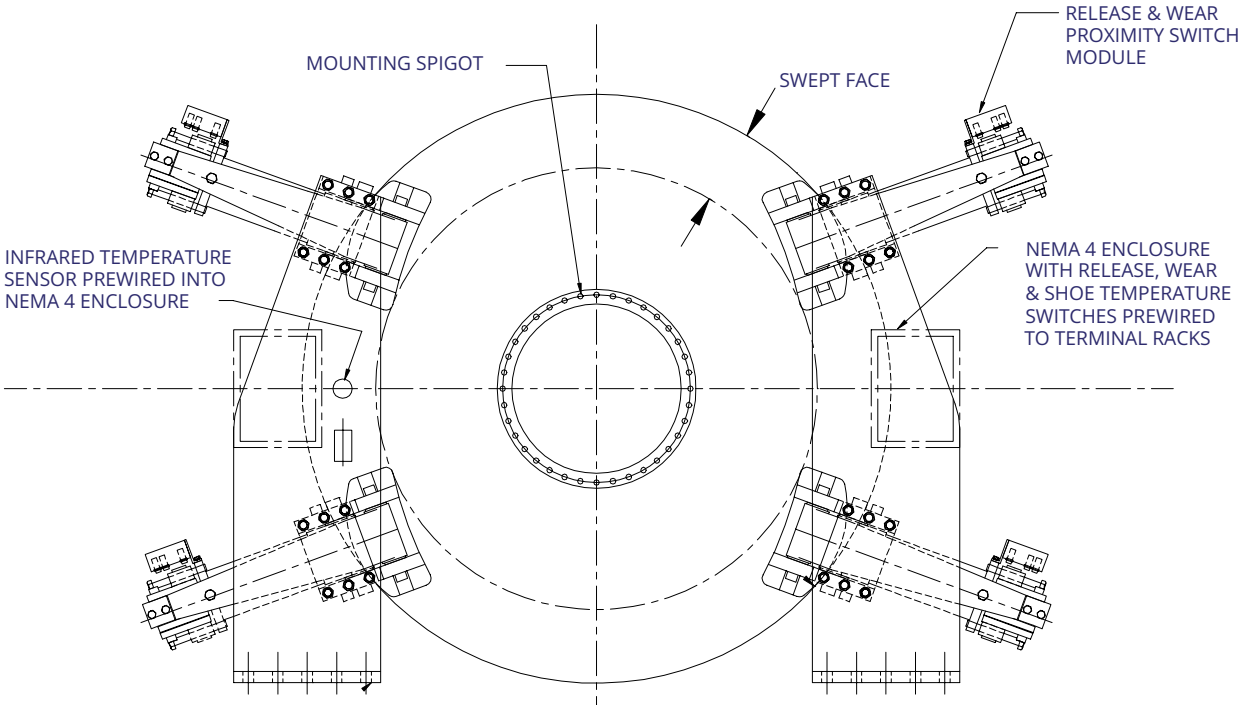
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TL Series Brake Calipers

Typical mounting arrangements and options

DRAWING
BCTL02-01.0





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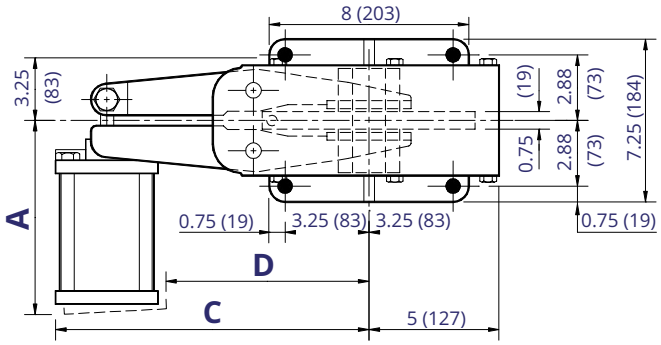
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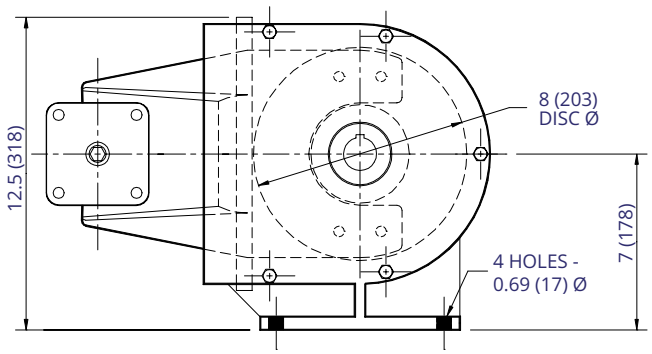
FB08 / MB08 Series Brake Calipers

(spring-applied, hydraulic released)

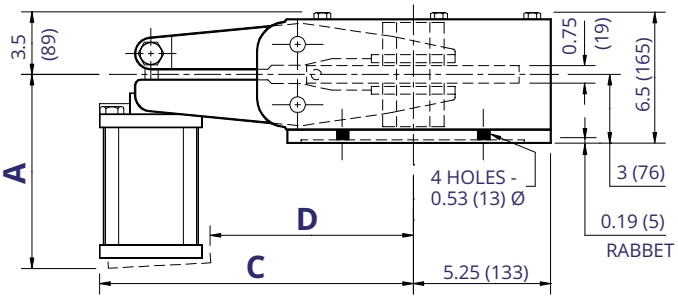
DRAWING
BM080SH-1.1

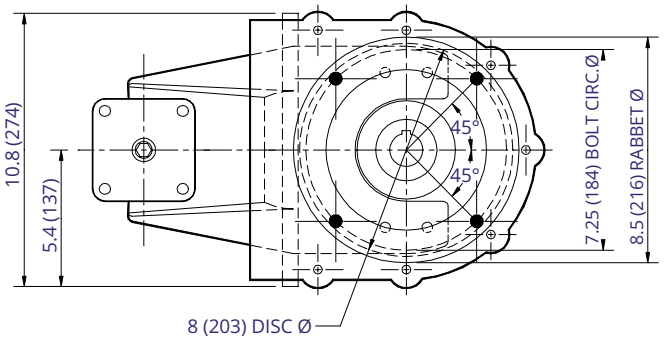
FB08 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB08 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 8 in (203 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 8.5 in (216 mm) dia.; bolt circle 7.25 in (184 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB0804FH	300 / 1340	189 / 1300	179 / 1240	2.8 / 46	75 / 34	60 / 27	7.9/201	12.5/318	8.5/216	7 / 10	15 / 20	22 / 30	29 / 40	37 / 50
FB/MB0808FH	700 / 3120	385 / 2650	366 / 2520	2.8 / 46	79 / 36	64 / 29	8.9/226	12.5/318	8.5/216	17 / 23	34 / 47	51 / 70	69 / 93	86 / 117
FB/MB0812FH	1100 / 4910	608 / 4190	580 / 3980	2.8 / 46	83 / 38	68 / 31	9.9/251	13.0/330	8.0/203	27 / 37	54 / 73	81 / 110	108 / 147	135 / 183
FB/MB0816FH	1700 / 7580	909 / 6270	860 / 5932	2.5 / 40	87 / 40	72 / 33	9.9/251	13.0/330	8.0/203	42 / 57	83 / 113	125 / 170	167 / 227	208 / 283
FB/MB0824FH	2400 / 11700	835 / 5760	790 / 5470	4.8 / 79	93 / 42	78 / 35	10.9/277	13.5/343	7.5/191	59 / 80	118 / 160	176 / 240	235 / 320	294 / 400

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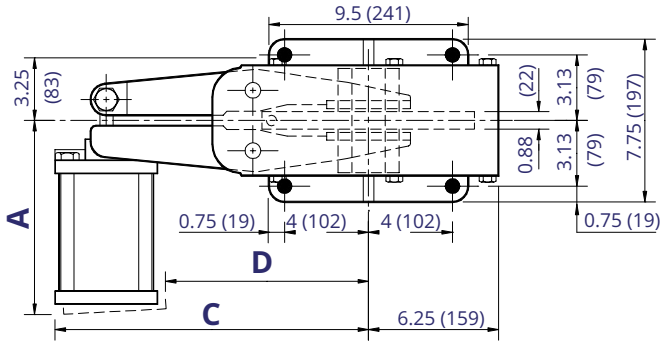
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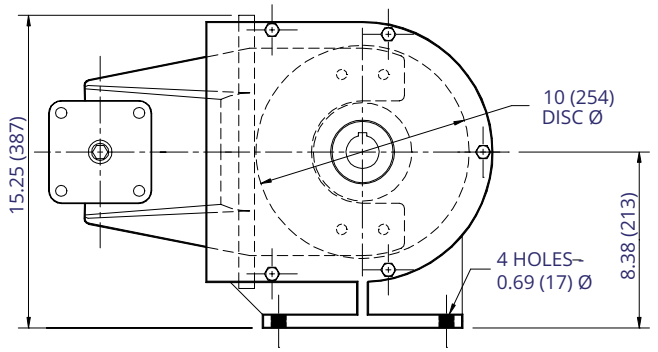
FB10 / MB10 Series Brake Calipers

(spring-applied, hydraulic released)

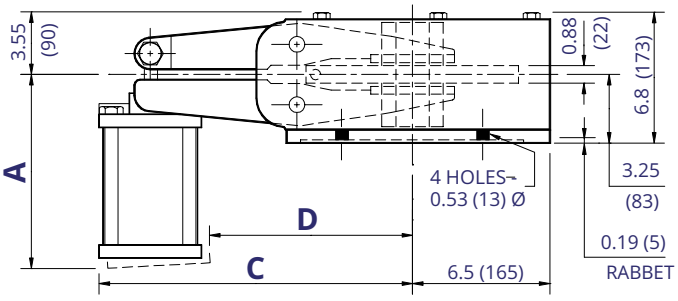
DRAWING
BM100SH-1.1

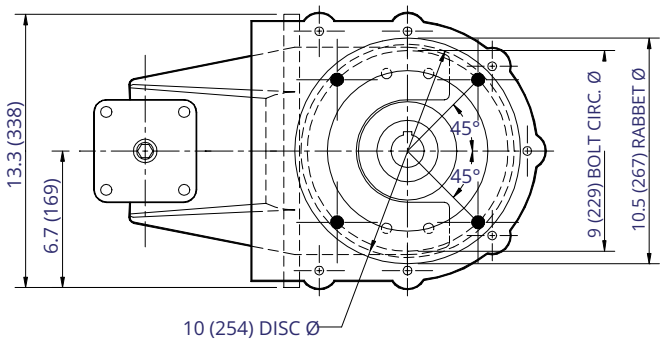
FB10 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB10 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 10 in (254 mm)
- FB: 4 holes 0.69 in (17 mm) dia.; MB: 4 holes 0.53 in (13 mm) dia.
- MB rabbet 10.5 in (267 mm) dia.; bolt circle 9 in (229 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in³/cm³	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB1004FH	400 / 1780	189 / 1300	179 / 1240	2.8 / 46	123 / 56	93 / 42	8.2/208	14.5/368	10.6/269	12 / 17	25 / 33	37 / 50	49 / 67	61 / 84
FB/MB1008FH	933 / 4160	385 / 2650	366 / 2520	2.8 / 46	127 / 58	97 / 44	9.2/234	14.5/368	10.6/269	29 / 39	57 / 78	86 / 117	115 / 156	143 / 195
FB/MB1012FH	1470 / 6540	608 / 4190	580 / 3980	2.8 / 46	131 / 60	101 / 46	10.1/257	15.0/381	9.9/251	45 / 61	90 / 123	135 / 184	180 / 245	225 / 307
FB/MB1016FH	2270 / 10100	909 / 6270	860 / 5932	2.5 / 40	135 / 61	105 / 48	10.1/257	15.0/381	9.9/251	70 / 95	139 / 190	209 / 284	279 / 379	348 / 474
FB/MB1024FH	3200 / 14300	835 / 5760	790 / 5470	4.8 / 79	141 / 64	111 / 50	11.2/284	15.5/394	9.4/239	98 / 134	197 / 268	295 / 401	394 / 535	492 / 669

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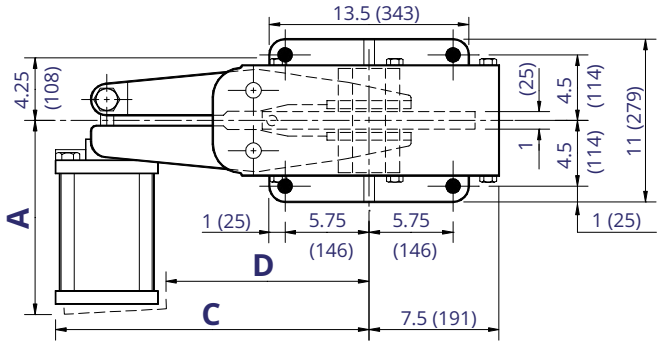
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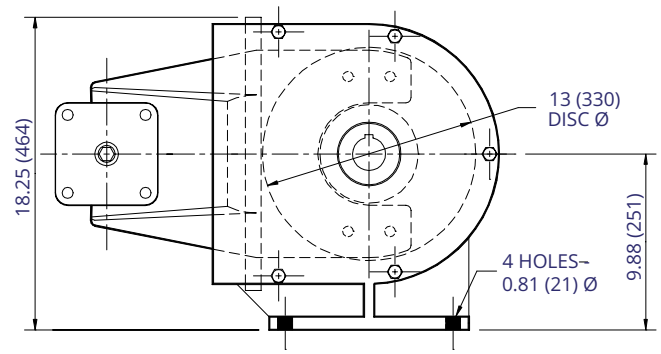
FB13 / MB13 Series Brake Calipers

(spring-applied, hydraulic released)

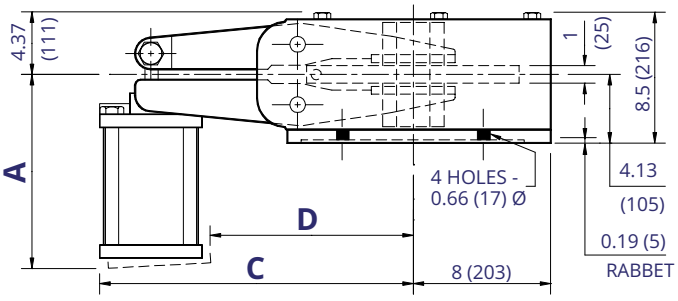
DRAWING
BM130SH-1.0

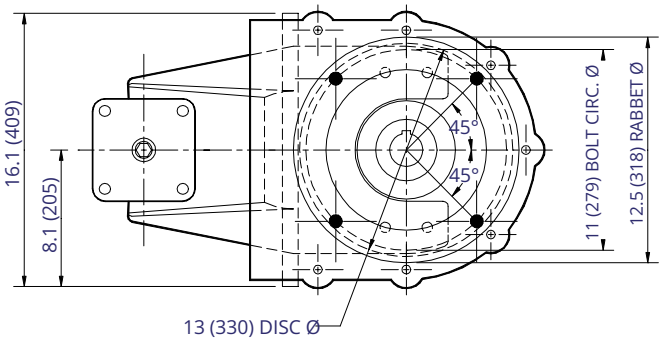
FB13 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB13 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 13 in (330 mm)
- FB: 4 holes 0.81 in (21 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 12.5 in (318 mm) dia.; bolt circle 11 in (279 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB130BH	2170 / 9670	255 / 1760	242 / 1670	11.7 / 192	204 / 134	229 / 104	12.6/320	18.5/470	11.4/290	89 / 121	178 / 243	268 / 364	357 / 485	446 / 606
FB/MB130MH	4130 / 18400	481 / 3320	457 / 3150	11.7 / 192	295 / 134	230 / 105	12.6/320	18.5/470	11.4/290	170 / 231	340 / 463	510 / 694	681 / 925	851 / 1160
FB/MB130HH	5170 / 23000	599 / 4130	369 / 3920	11.7 / 192	296 / 135	231 / 105	12.6/320	18.5/470	11.4/290	213 / 289	425 / 578	638 / 868	851 / 1160	1060 / 1450
FB/MB13MBH	6500 / 29000	755 / 5200	717 / 4940	11.7 / 192	299 / 136	234 / 106	12.6/320	18.5/470	11.4/290	268 / 364	535 / 728	805 / 1090	1070 / 1460	1340 / 1820
FB/MB13HBH	8000 / 35700	909 / 6270	864 / 5960	11.7 / 192	300 / 136	235 / 107	12.6/320	18.5/470	11.4/290	329 / 448	659 / 896	988 / 1340	1320 / 1790	1650 / 2240

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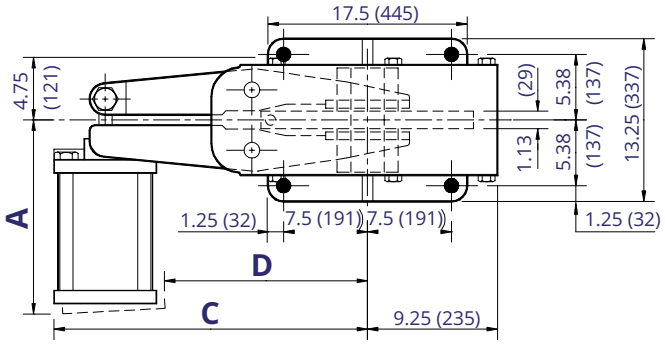
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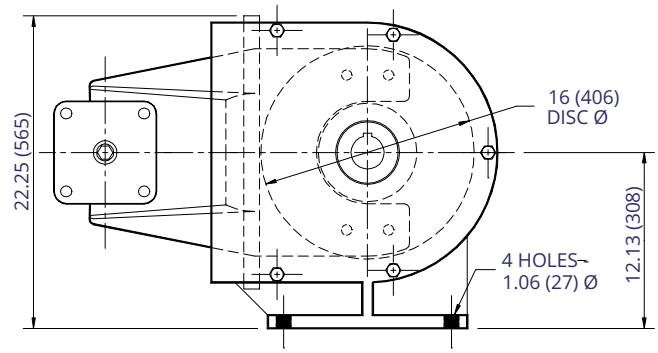
FB16 / MB16 Series Brake Calipers

(spring-applied, hydraulic released)

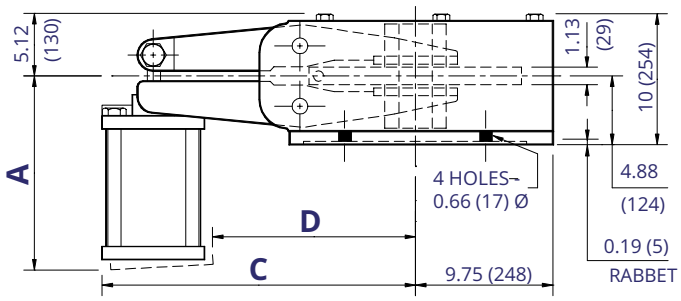
DRAWING
BM160SH-1.0

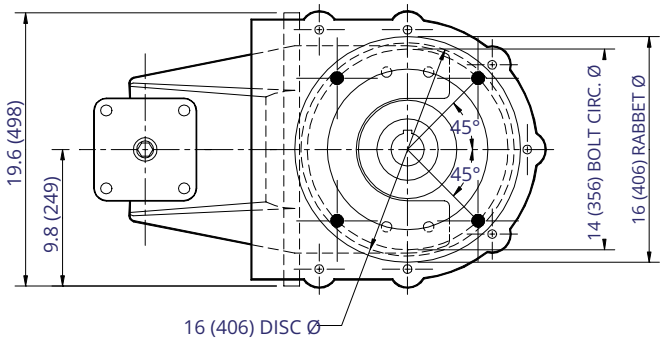
FB16 SERIES
FOOT-MOUNTED BRAKE CALIPERS





MB16 SERIES
MOTOR-MOUNTED BRAKE CALIPERS





Specifications

Dual in/mm, lb/N, lb/kg, lb-ft/Nm

- Spring-applied & hydraulic released; FB = foot-mounted, MB = motor-mounted
- Max dynamic torque is based on minimum air gap, largest spring and the indicated coefficient of friction
- A full range of actuators and friction linings is available to suit particular torque requirements
- Cold static torque values must be down-rated by at least 20 percent
- Air actuator nominal release pressures are 100 psi (7 bar) or less
- Hydraulic actuator nominal release pressures are 1200 psi (82 bar) or less
- Disc may be solid or ventilated and shaft or coupling mounted
- Disc dia. 16 in (406 mm)
- FB: 4 holes 1.06 in (27 mm) dia.; MB: 4 holes 0.66 in (17 mm) dia.
- MB rabbet 16 in (406 mm) dia.; bolt circle 14 in (356 mm)

FB & MB model no.	Applied force lb/N	Release psi/kPa	Hold-off psi/kPa	Max volume in^3/cm^3	Weight FB lb/kg	Weight MB lb/kg	A	C	D	Max dyn. torque μ=0.1 lb-ft/Nm	μ=0.2	μ=0.3	μ=0.4	μ=0.5
FB/MB160MH	4960 / 22100	481 / 3320	457 / 3150	11.7 / 192	510 / 232	365 / 166	12.9/328	21.5/546	14.4/366	248 / 337	496 / 674	744 / 1010	992 / 1350	1240 / 1690
FB/MB160HH	6200 / 27700	599 / 4130	369 / 3920	11.7 / 192	511 / 232	366 / 166	12.9/328	21.5/546	14.4/366	310 / 422	630 / 843	930 / 1270	1240 / 1690	1550 / 2110
FB/MB16MBH	7800 / 34800	755 / 5200	717 / 4940	11.7 / 192	514 / 234	369 / 168	12.9/328	21.5/546	14.4/366	390 / 530	780 / 1060	1170 / 1590	1560 / 2120	1930 / 2650
FB/MB16HBH	9600 / 42800	909 / 6270	864 / 5960	11.7 / 192	515 / 234	370 / 168	12.9/328	21.5/546	14.4/366	480 / 653	960 / 1310	1440 / 1960	1920 / 2610	2400 / 3260
FB/MB16HHH	14400 / 64200	1090 / 7530	1040 / 7160	14.1 / 232	532 / 242	387 / 176	14.8/376	21.5/546	14.4/366	720 / 979	1440 / 1960	2160 / 2940	2880 / 3920	3600 / 4900

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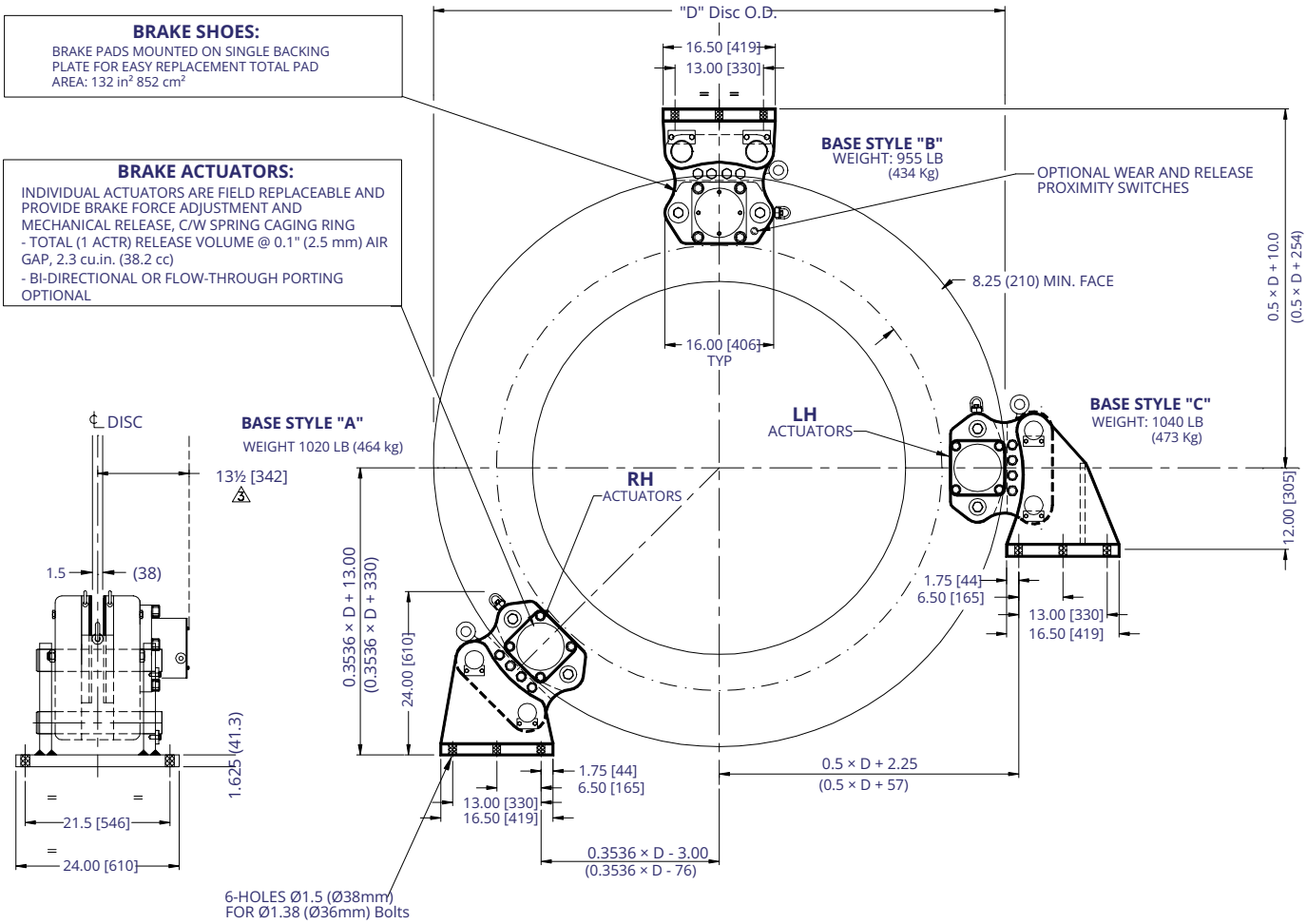
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DS10-08 Series Floating Disc Brake Calipers

DRAWING
DS10-08-01.3



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 30" (762mm) Min. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MOUNTING FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 30 in / 762 mm min disc, pad 132 in², 1 actuator
- bases A 1,020 lb / B 955 lb / C 1,040 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS1005-08	12,030	53,500	350 / 24.1	320 / 22.1	201	10.7
DS1008-08	20,265	90,140	590 / 40.7	540 / 37.2	338	18.0
DS1010-08	22,735	101,130	710 / 49.0	650 / 44.8	379	20.2
DS1012-08	26,500	117,880	780 / 53.8	720 / 49.6	442	23.6
DS1015-08	32,300	143,680	972 / 67.0	900 / 62.1	538	28.7
DS1018-08	38,300	170,370	1,200 / 82.7	1,100 / 75.8	638	34.1
DS1020-08	48,700	216,630	1,595 / 110.0	1,470 / 101.4	812	43.4
DS1025-08	59,235	263,490	2,000 / 137.9	1,840 / 126.9	987	52.7

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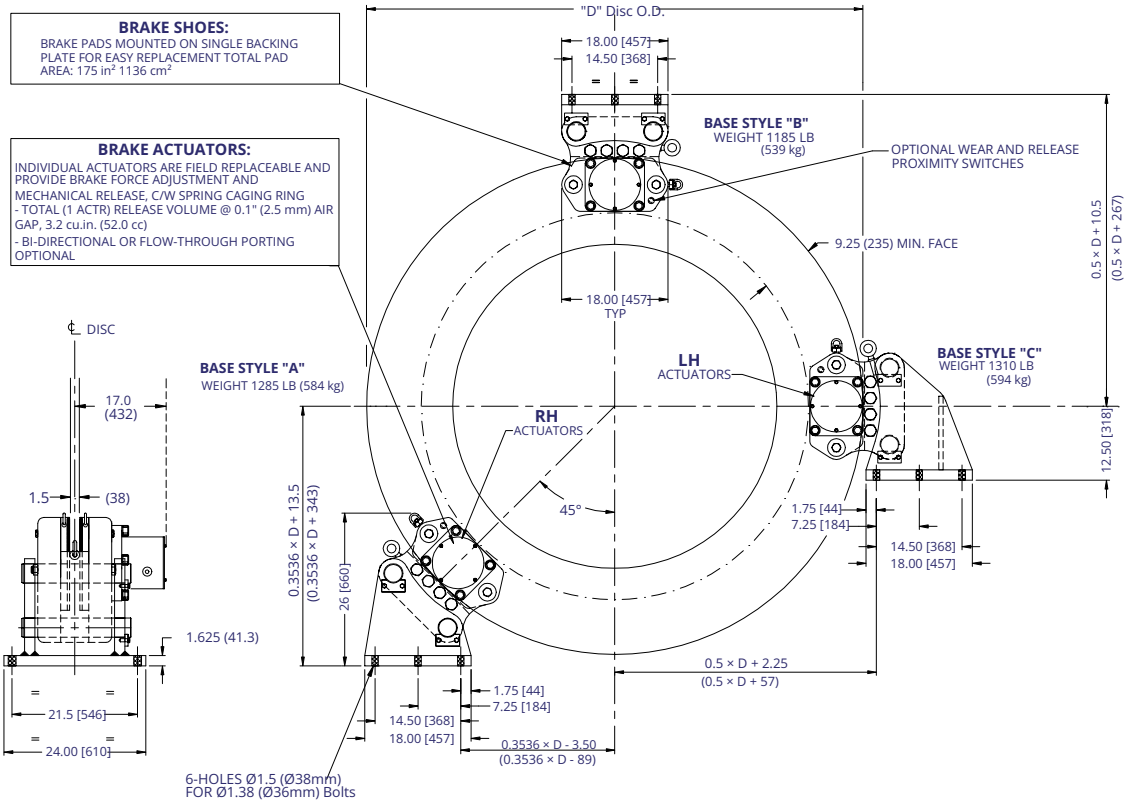
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DS10-09 Series Floating Disc Brake Calipers

DRAWING
DS10-09-01.2



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 35" (889mm) Min. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MOUNTING FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Brake pads mounted on a single backing plate for easy replacement
- Individual actuators are field replaceable and provide brake force adjustment and mechanical release, c/w spring caging ring
- Bi-directional or flow-through porting optional
- Optional wear and release proximity switches
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Total pad area 175 in² / 1136 cm²
- 1 actuator; total release volume 3.2 cu.in (52.0 cc) @ 0.1 in (2.5 mm) air gap
- Base weights: A 1285 lb (584 kg), B 1185 lb (539 kg), C 1310 lb (594 kg)
- 6 holes Ø1.5 in (Ø38 mm) for Ø1.38 in (Ø36 mm) bolts
- Nominal torque @ 0.1 in air gap and 0.40 friction coefficient = TI × (D − 9 in) lb.ft = TM × (D − 228 mm) Nm

Model	Nominal clamping force @ 0.1" (2.5 mm) air gap — LB	— N	Release PSI	Release BAR	Hold-off PSI	Hold-off BAR	Torque factor TI lb.ft	Torque factor TM Nm
DS1008-09	17780	79090	374	25.4	344	23.4	296	15.8
DS1012-09	25320	112630	537	36.5	494	33.6	422	22.5
DS1015-09	32250	143450	725	49.3	667	45.3	538	28.7
DS1018-09	36100	160580	772	52.5	710	48.3	602	32.1
DS1020-09	43500	193500	944	64.2	869	59.1	725	38.7
DS1025-09	50030	222560	1140	77.6	1049	71.4	834	44.5
DS1030-09	64660	287620	1520	103.4	1398	95.1	1078	57.5
DS1040-09	83630	372000	1989	135.3	1830	124.5	1394	74.4

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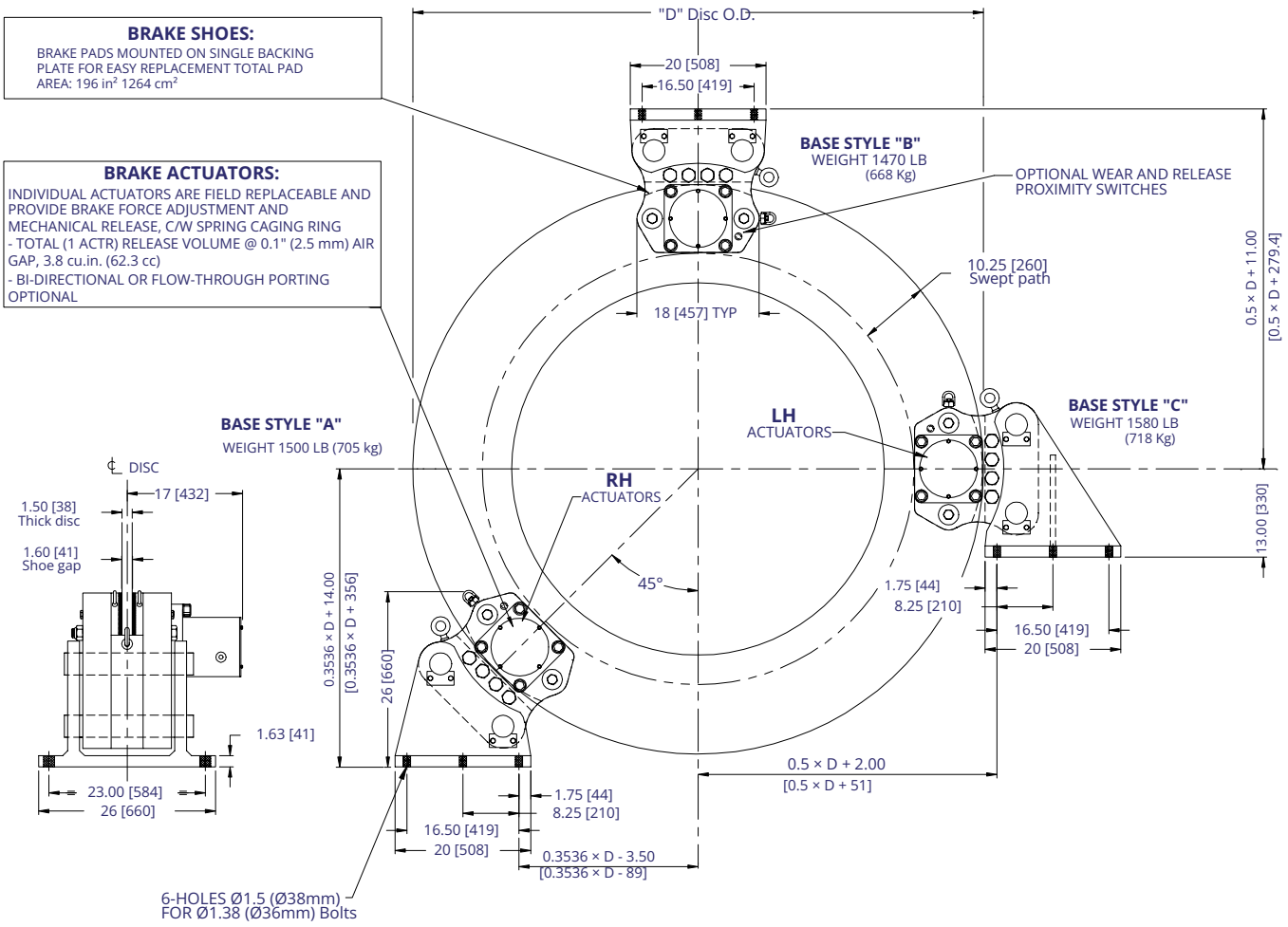
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DS10-10 Series Floating Disc Brake Calipers

DRAWING
DS10-10-01.3



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 40" (1016mm) Min. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MOUNTING FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 40 in / 1,016 mm min disc, pad 196 in², 1 actuator
- bases A 1,500 lb / B 1,470 lb / C 1,580 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS1016-10	34,280	152,480	615 / 42.4	560 / 38.6	571	30.5
DS1020-10	40,350	179,480	730 / 50.3	670 / 46.2	673	35.9
DS1023-10	47,350	210,620	860 / 59.3	780 / 53.8	789	42.1
DS1027-10	54,700	243,320	1,000 / 68.9	920 / 63.4	912	48.7
DS1030-10	63,550	282,680	1,260 / 86.9	1,160 / 80.0	1,059	56.5
DS1036-10	75,200	334,510	1,480 / 102.0	1,360 / 93.8	1,253	66.9
DS1044-10	88,250	392,560	1,750 / 120.7	1,610 / 111.0	1,471	78.5
DS1050-10	100,250	445,934	2,000 / 137.9	1,840 / 126.9	1,671	89.2

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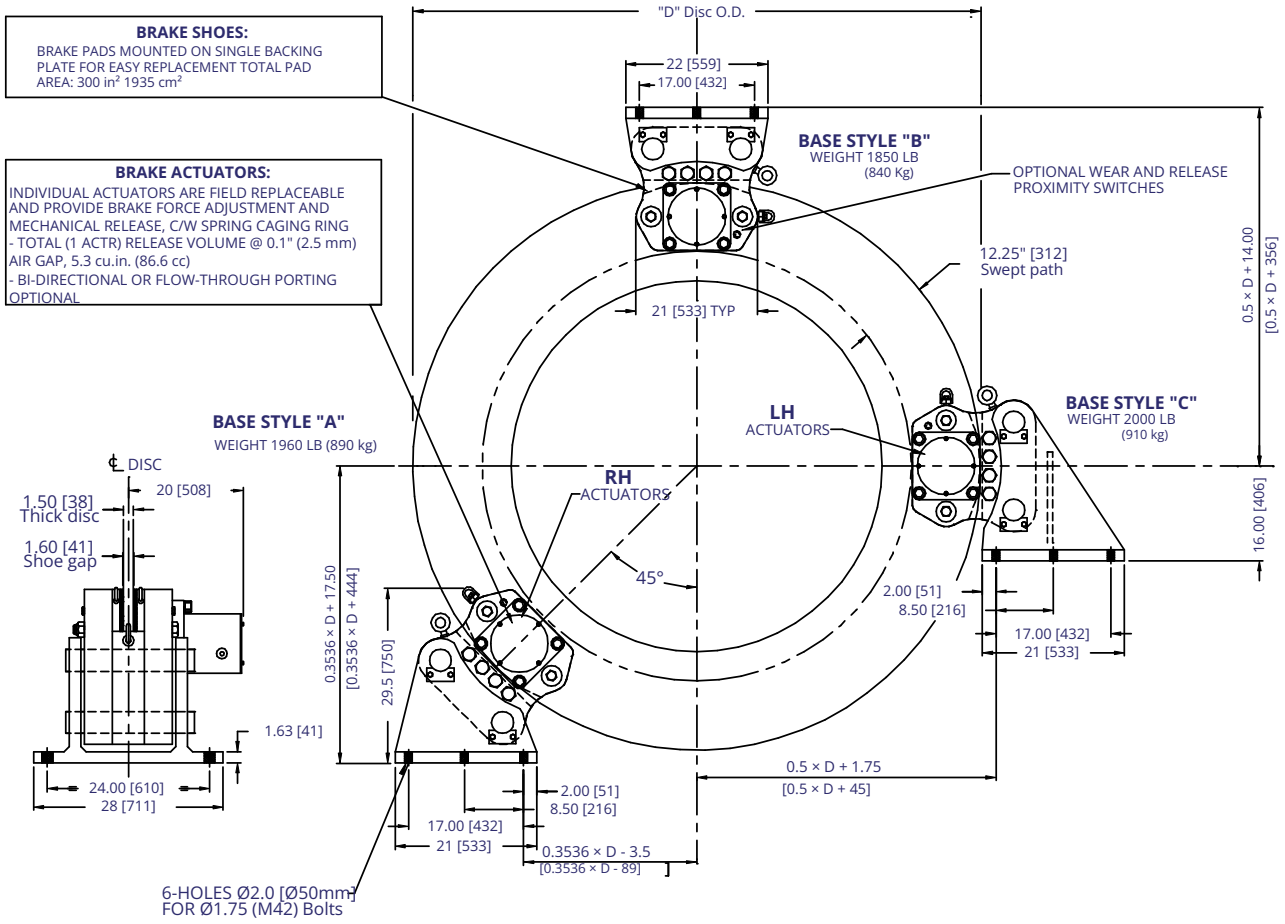
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DS10-12 Series Floating Disc Brake Calipers

DRAWING
DS10-12-01.3



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 48" (1220mm) Min. Disc Diameter
- UNITS: INCHES [MM]
- **MOUNTING BASES:**
  – STANDARD BASES SHOWN
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Three standard base styles A, B and C (identical mounting flange and hole pattern)
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 48 in / 1,220 mm min disc, pad 300 in², 1 actuator
- bases A 1,960 lb / B 1,850 lb / C 2,000 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS1016-12	32,000	142,000	460 / 31.7	435 / 29.9	533	28.5
DS1020-12	40,000	178,000	560 / 38.6	535 / 36.7	667	35.6
DS1025-12	50,000	222,000	715 / 49.3	690 / 47.3	833	44.5
DS1030-12	60,000	267,000	840 / 58.0	815 / 56.3	1,000	53.4
DS1036-12	72,000	320,000	1,050 / 72.2	1,020 / 70.2	1,200	64.1
DS1044-12	88,000	391,000	1,260 / 86.7	1,225 / 84.6	1,467	78.3
DS1050-12	100,000	445,000	1,400 / 96.6	1,370 / 94.5	1,667	89.0
DS1060-12	120,000	534,000	1,825 / 125.8	1,695 / 116.8	2,000	106.8
DS1070-12	140,000	623,000	2,140 / 147.3	1,990 / 137.2	2,333	124.5

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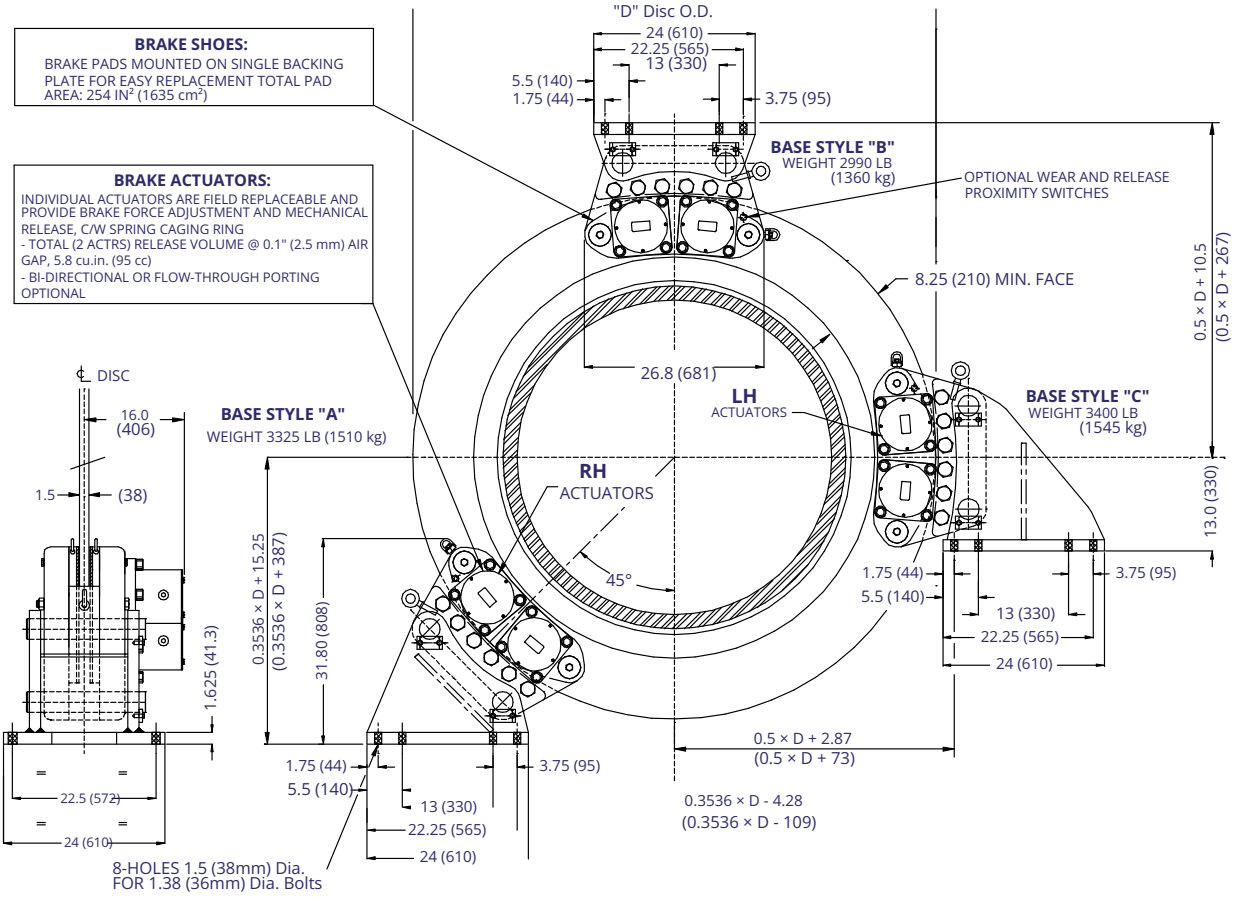
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DS20-08 Series Floating Disc Brake Calipers

DRAWING
DS20-08-01.2



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 40" (1016 mm) Min. Disc Diameter 120" (3048 mm) Min. Disc Diameter
- **MOUNTING BASES:**
  - BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  - BOLT PATTERN BASED ON DS20940
  - CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Three standard base styles A, B and C (identical mounting flange and hole pattern)
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 40 in / 1,016 mm min disc, pad 254 in², 2 actuators
- bases A 3,325 lb / B 2,990 lb / C 3,400 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS2005-08	24,060	107,000	350 / 24.1	320 / 22.1	401	21.4
DS2008-08	40,530	180,400	590 / 40.7	540 / 37.2	676	36.1
DS2010-08	45,470	202,200	710 / 49.0	650 / 44.8	758	40.4
DS2012-08	53,000	235,930	780 / 53.8	720 / 49.6	883	47.2
DS2015-08	64,600	287,400	972 / 67.0	900 / 62.1	1,077	57.5
DS2018-08	76,600	340,870	1,200 / 82.7	1,100 / 75.8	1,277	68.2
DS2020-08	97,400	433,200	1,595 / 110.0	1,470 / 101.4	1,623	86.7
DS2025-08	118,470	527,000	2,000 / 137.9	1,840 / 126.9	1,975	105.4

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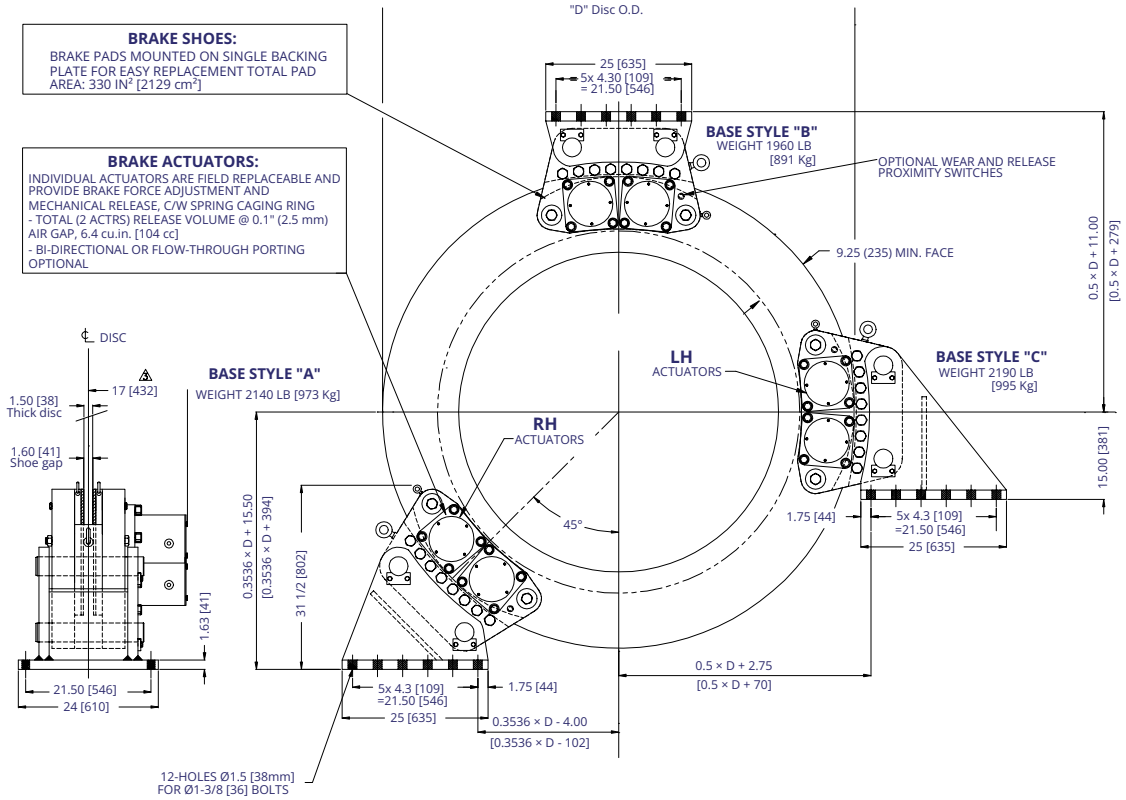
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DS20-09 Series Floating Disc Brake Calipers

DRAWING
DS20-09-01.3



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 50" (1270mm) Min. Disc Diameter 120" (3048mm) Max. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Brake pads mounted on a single backing plate for easy replacement
- Individual actuators are field replaceable and provide brake force adjustment and mechanical release, c/w spring caging ring
- Bi-directional or flow-through porting optional
- Optional wear and release proximity switches
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Total pad area 330 in² / 2129 cm²
- 2 actuators; total release volume 6.4 cu.in (104 cc) @ 0.1 in (2.5 mm) air gap
- Base weights: A 2140 lb (973 kg), B 1960 lb (891 kg), C 2190 lb (995 kg)
- 12 holes Ø1.5 in (Ø38 mm) for Ø1-3/8 in (Ø36 mm) bolts
- Nominal torque @ 0.1 in air gap and 0.40 friction coefficient = TI × (D − 9 in) lb.ft = TM × (D − 228 mm) Nm

Model	Nominal clamping force @ 0.1" (2.5 mm) air gap — LB	— N	Release PSI	Release BAR	Hold-off PSI	Hold-off BAR	Torque factor TI lb.ft	Torque factor TM Nm
DS2008-09	35560	158200	374	25.8	344	23.7	593	31.6
DS2012-09	50640	225267	537	37.0	494	34.1	844	45.1
DS2015-09	64500	286866	725	50.0	667	46.0	1075	57.4
DS2018-09	72200	321400	772	53.2	710	49.0	1205	64.3
DS2020-09	87000	387200	944	65.1	869	59.9	1450	77.5
DS2025-09	100066	445333	1140	78.6	1049	72.3	1669	89.1
DS2030-09	129333	575466	1520	104.8	1398	96.4	2156	115.1
DS2040-09	167266	744066	1989	137.1	1830	126.2	2788	148.8

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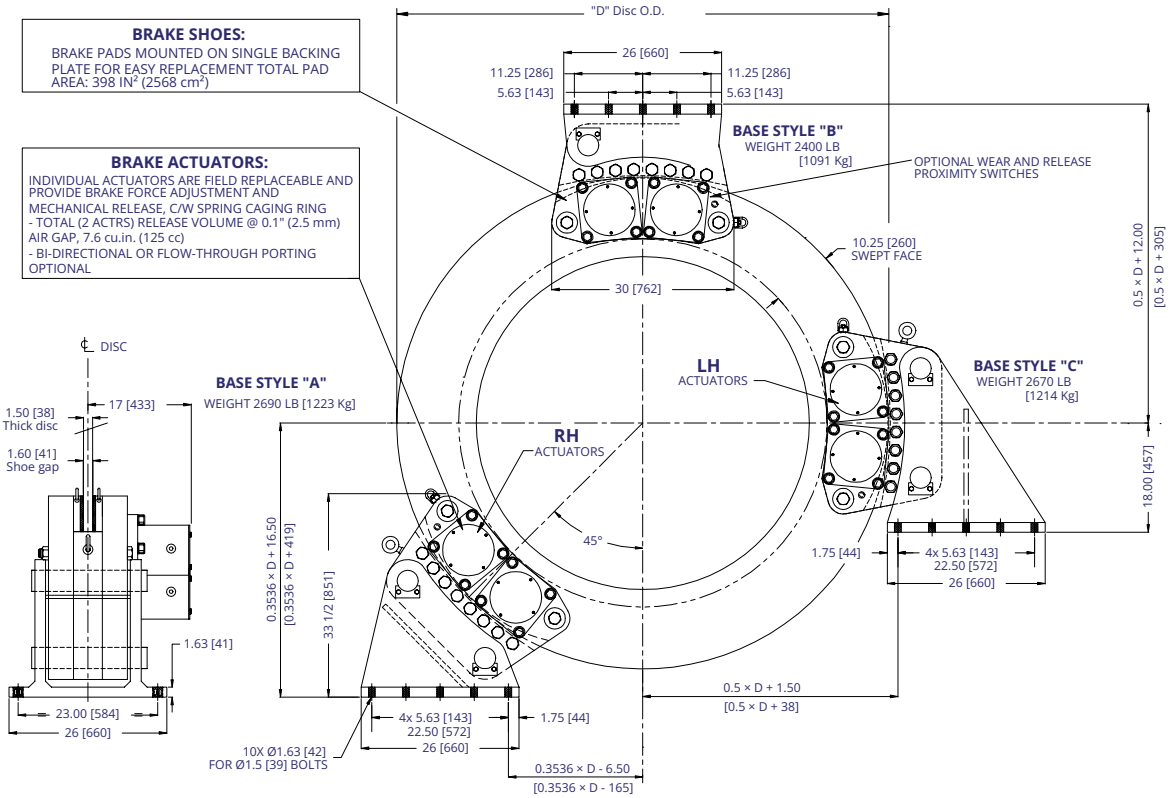
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DS20-10 Series Floating Disc Brake Calipers

DRAWING
DS20-10-01.2



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 55" (1397mm) Min. Disc Diameter 120" (3048mm) Max. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Brake pads mounted on a single backing plate for easy replacement
- Individual actuators are field replaceable and provide brake force adjustment and mechanical release, c/w spring caging ring
- Bi-directional or flow-through porting optional
- Optional wear and release proximity switches
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Total pad area 398 in² / 2568 cm²
- 2 actuators; total release volume 7.6 cu.in (125 cc) @ 0.1 in (2.5 mm) air gap
- Base weights: A 2690 lb (1223 kg), B 2400 lb (1091 kg), C 2670 lb (1214 kg)
- 10 holes Ø1.63 in (Ø42 mm) for Ø1.5 in (Ø39 mm) bolts
- Nominal torque @ 0.1 in air gap and 0.40 friction coefficient = TI × (D − 10 in) lb.ft = TM × (D − 254 mm) Nm

Model	Nominal clamping force @ 0.1" (2.5 mm) air gap — LB	— N	Release PSI	Release BAR	Hold-off PSI	Hold-off BAR	Torque factor TI lb.ft	Torque factor TM Nm
DS2016-10	68560	304970	615	42.4	560	38.6	1142	61.0
DS2020-10	80700	358971	730	50.3	670	46.2	1345	71.8
DS2023-10	94700	421247	860	59.3	780	53.8	1578	84.3
DS2027-10	109400	486635	1000	68.9	920	63.4	1824	97.4
DS2030-10	127100	565369	1260	86.9	1160	80.0	2120	113.2
DS2036-10	150400	669013	1480	102.0	1360	93.8	2508	133.9
DS2044-10	176500	785111	1750	120.7	1610	111.0	2940	157.0
DS2050-10	200500	891868	2000	137.9	1840	126.9	3424	182.8

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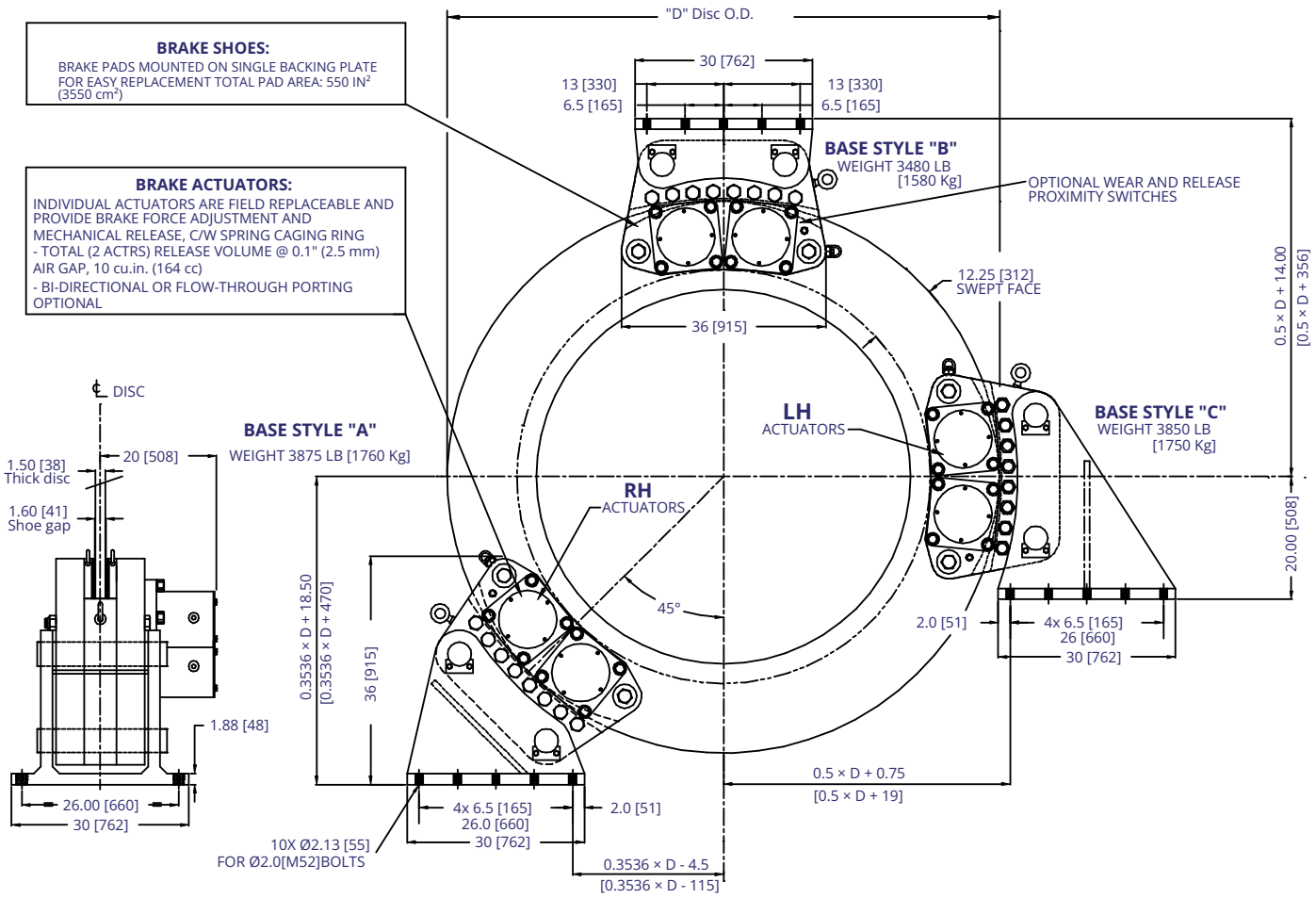
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DS20-12 Series Floating Disc Brake Calipers

DRAWING
DS20-12-01.1



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 65" (1650mm) Min. Disc Diameter 160" (4065mm) Max. Disc Diameter
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Three standard base styles A, B and C (identical mounting flange and hole pattern)
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 65 in / 1,650 mm min disc, pad 550 in², 2 actuators
- bases A 3,875 lb / B 3,480 lb / C 3,850 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS2020-12	80,000	356,000	560 / 38.4	536 / 36.7	1,334	71.2
DS2025-12	100,000	444,000	715 / 49.3	690 / 47.3	1,666	89
DS2030-12	120,000	534,000	840 / 58.0	815 / 56.3	2,000	106.8
DS2036-12	144,000	640,000	1,050 / 72.2	1,020 / 70.2	2,400	128.3
DS2044-12	176,000	782,000	1,260 / 86.7	1,225 / 84.6	2,934	156.6
DS2050-12	200,000	890,000	1,400 / 96.6	1,370 / 94.5	3,334	178
DS2060-12	240,000	1,068,000	1,825 / 125.8	1,695 / 116.8	4,000	213.6
DS2070-12	280,000	1,245,600	2,140 / 147.3	1,990 / 137.2	4,666	249

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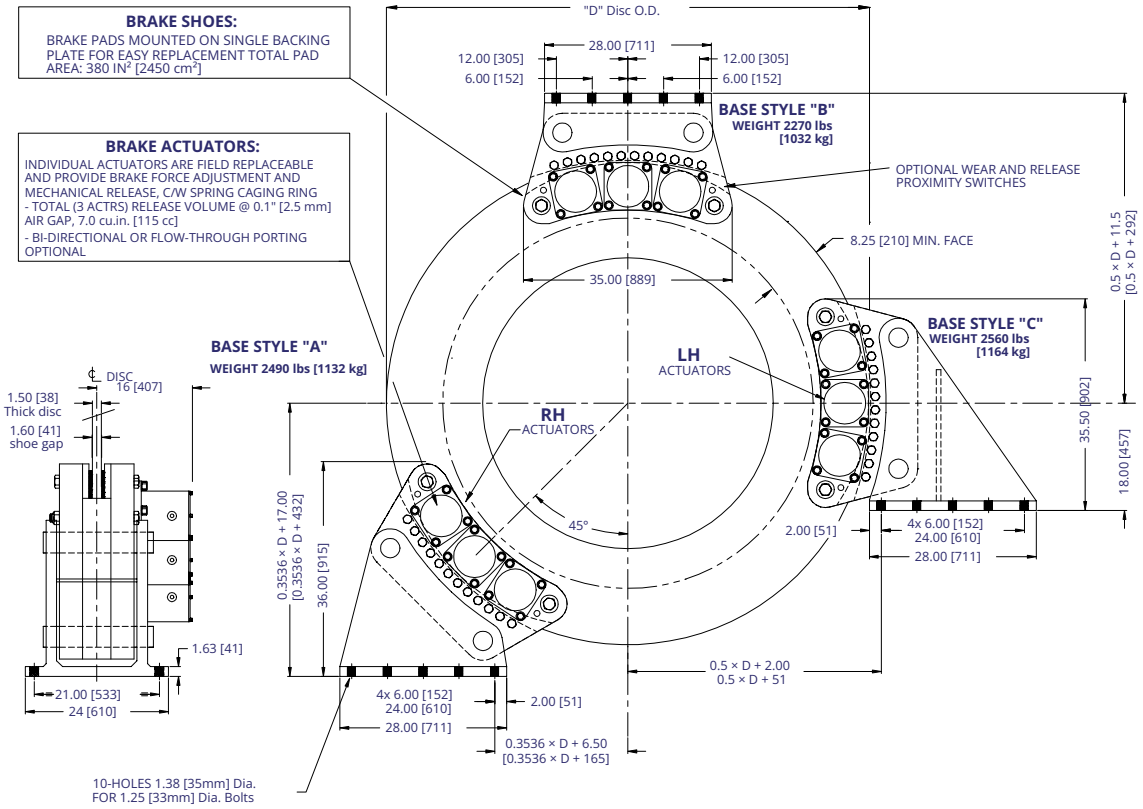
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DS30-08 Series Floating Disc Brake Calipers

DRAWING
DS30-08-01.3



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 60" [1524 mm] Min Disc Dia. 96" [2438 mm] Max Disc Dia.
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Brake pads mounted on a single backing plate for easy replacement
- Individual actuators are field replaceable and provide brake force adjustment and mechanical release, c/w spring caging ring
- Bi-directional or flow-through porting optional
- Optional wear and release proximity switches
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- 60 in (1524 mm) min. disc diameter; 96 in (2438 mm) max.; 8.25 in (210) min. face
- Total pad area 380 in² / 2450 cm²
- 3 actuators; total release volume 7.0 cu.in (115 cc) @ 0.1 in (2.5 mm) air gap
- Base weights: A 2490 lb (1132 kg), B 2270 lb (1032 kg), C 2560 lb (1164 kg)
- 10 holes 1.38 in (35 mm) dia. for 1.25 in (33 mm) dia. bolts
- Nominal torque @ 0.1 in air gap and 0.40 friction coefficient = TI × (D − 8.00 in) lb.ft = TM × (D − 203 mm) Nm

Model	Nominal clamping force @ 0.1" (2.5 mm) air gap — LB	— N	Release PSI	Release BAR	Hold-off PSI	Hold-off BAR	Torque factor TI lb.ft	Torque factor TM Nm
DS3005-08	36090	160500	350	24.1	320	22.1	602	32.1
DS3008-08	60800	270600	590	40.7	540	37.2	1014	54.1
DS3010-08	68200	303300	710	49.0	650	44.8	1136	60.7
DS3012-08	79500	353900	780	53.8	720	49.6	1326	70.8
DS3015-08	96900	431100	972	67.0	900	62.1	1615	86.2
DS3018-08	114900	511300	1200	82.7	1100	75.8	1916	102.3
DS3020-08	146100	649800	1595	110.0	1470	101.4	2435	130.0
DS3025-08	177700	790500	2000	137.9	1840	126.9	2962	158.1

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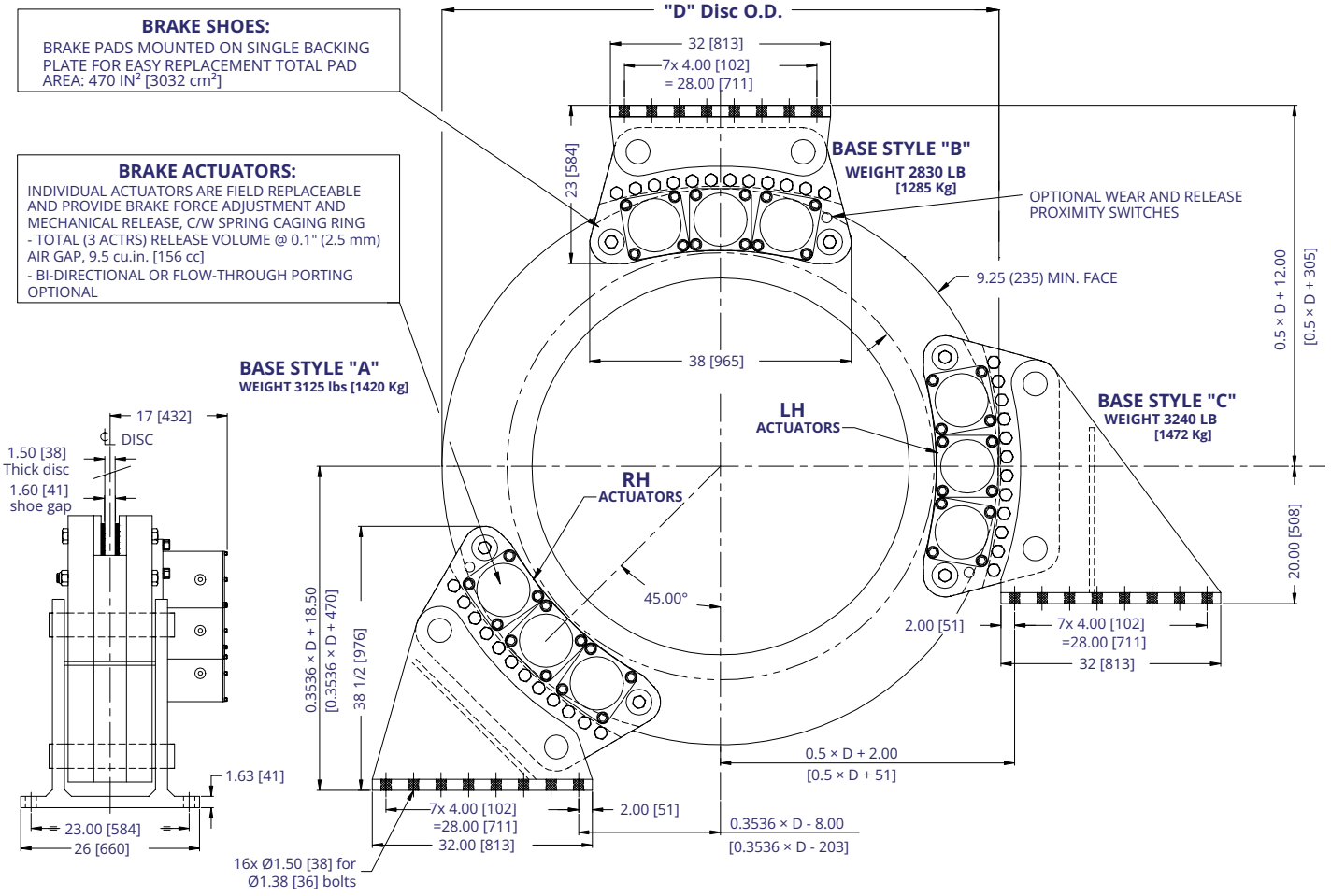
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DS30-09 Series Floating Disc Brake Calipers

DRAWING
DS30-09-01.2



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 70" (1778mm) Min. Disc Dia. 120" (3048mm) Max. Disc Dia.
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Three standard base styles A, B and C (identical mounting flange and hole pattern)
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 70 in / 1,778 mm min disc, pad 470 in², 3 actuators
- bases A 3,125 lb / B 2,830 lb / C 3,240 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS3008-09	53,340	237,300	374 / 25.8	344 / 23.7	889	47.5
DS3012-09	75,960	337,900	537 / 37.0	494 / 34.1	1,266	67.6
DS3015-09	96,750	430,300	725 / 50.0	667 / 46.0	1,613	86.1
DS3018-09	108,300	482,100	772 / 53.2	710 / 49.0	1,807	96.4
DS3020-09	130,500	580,800	944 / 65.1	869 / 59.9	2,176	116.2
DS3025-09	150,100	668,000	1,140 / 78.6	1,049 / 72.3	2,503	133.6
DS3030-09	194,000	863,200	1,520 / 104.8	1,398 / 96.4	3,234	172.6
DS3040-09	250,900	1,116,100	1,989 / 137.1	1,830 / 126.2	4,182	223.2

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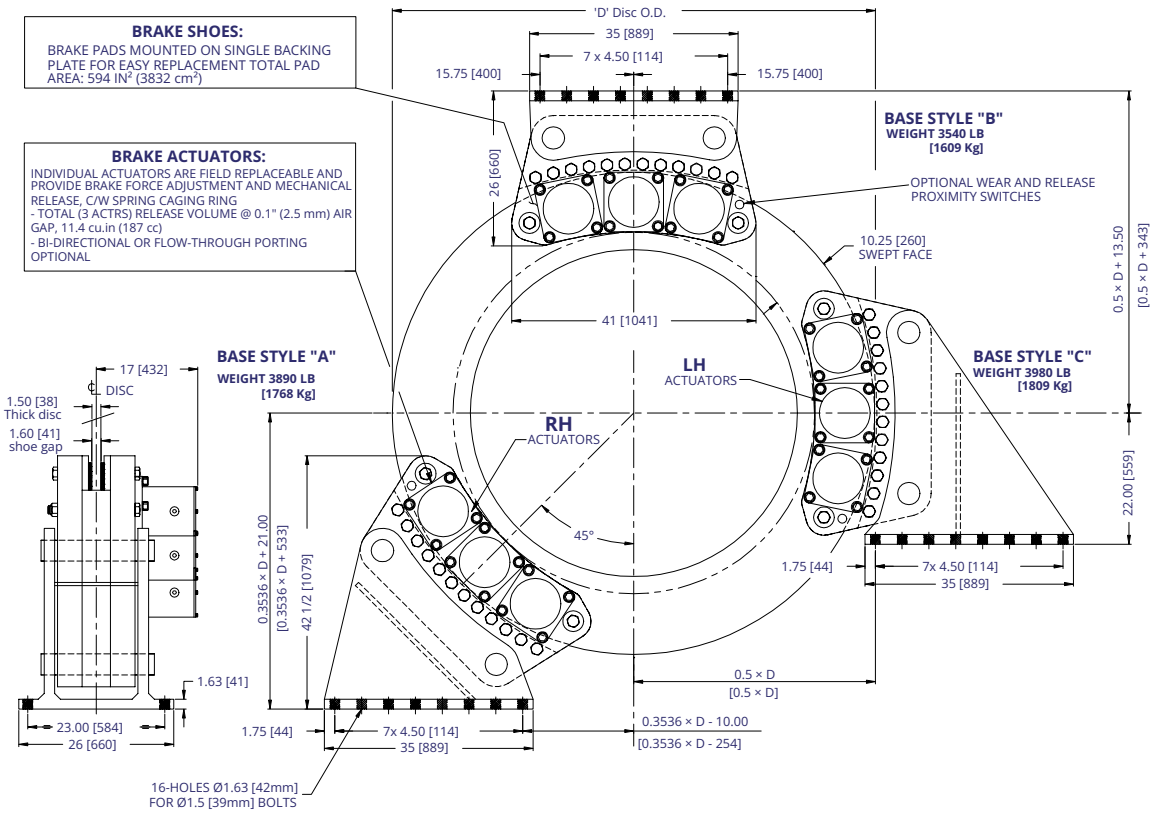
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DS30-10 Series Floating Disc Brake Calipers

DRAWING
DS30-10-01.2



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 80" (2032mm) Min. Disc Dia. 120" (3048 mm) Max. Disc Dia.
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Brake pads mounted on a single backing plate for easy replacement
- Individual actuators are field replaceable and provide brake force adjustment and mechanical release, c/w spring caging ring
- Bi-directional or flow-through porting optional
- Optional wear and release proximity switches
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- 80 in (2032 mm) min. disc diameter; 120 in (3048 mm) max.; 10.25 in (260) swept face
- Total pad area 594 in² / 3832 cm²
- 3 actuators; total release volume 11.4 cu.in (187 cc) @ 0.1 in (2.5 mm) air gap
- Base weights: A 3890 lb (1768 kg), B 3540 lb (1609 kg), C 3980 lb (1809 kg)
- 16 holes Ø1.63 in (Ø42 mm) for Ø1.5 in (Ø39 mm) bolts
- Nominal torque @ 0.1 in air gap and 0.40 friction coefficient = TI × (D − 10 in) lb.ft = TM × (D − 254 mm) Nm

Model	Nominal clamping force @ 0.1" (2.5 mm) air gap — LB	— N	Release PSI	Release BAR	Hold-off PSI	Hold-off BAR	Torque factor TI lb.ft	Torque factor TM Nm
DS3016-10	102800	457277	615	42.4	560	38.6	1710	91.3
DS3020-10	121000	538235	730	50.3	670	46.2	2017	107.7
DS3023-10	142000	631647	860	59.3	790	54.5	2367	126.4
DS3027-10	164000	729508	1000	68.9	920	63.4	2736	146.1
DS3030-10	190700	848276	1260	86.9	1160	80.0	3180	169.8
DS3036-10	225726	1004079	1480	102.0	1360	93.8	3762	200.8
DS3044-10	264700	1177444	1750	120.7	1610	111.0	4410	235.5
DS3050-10	300800	1338025	2000	137.9	1840	126.9	5136	274.2

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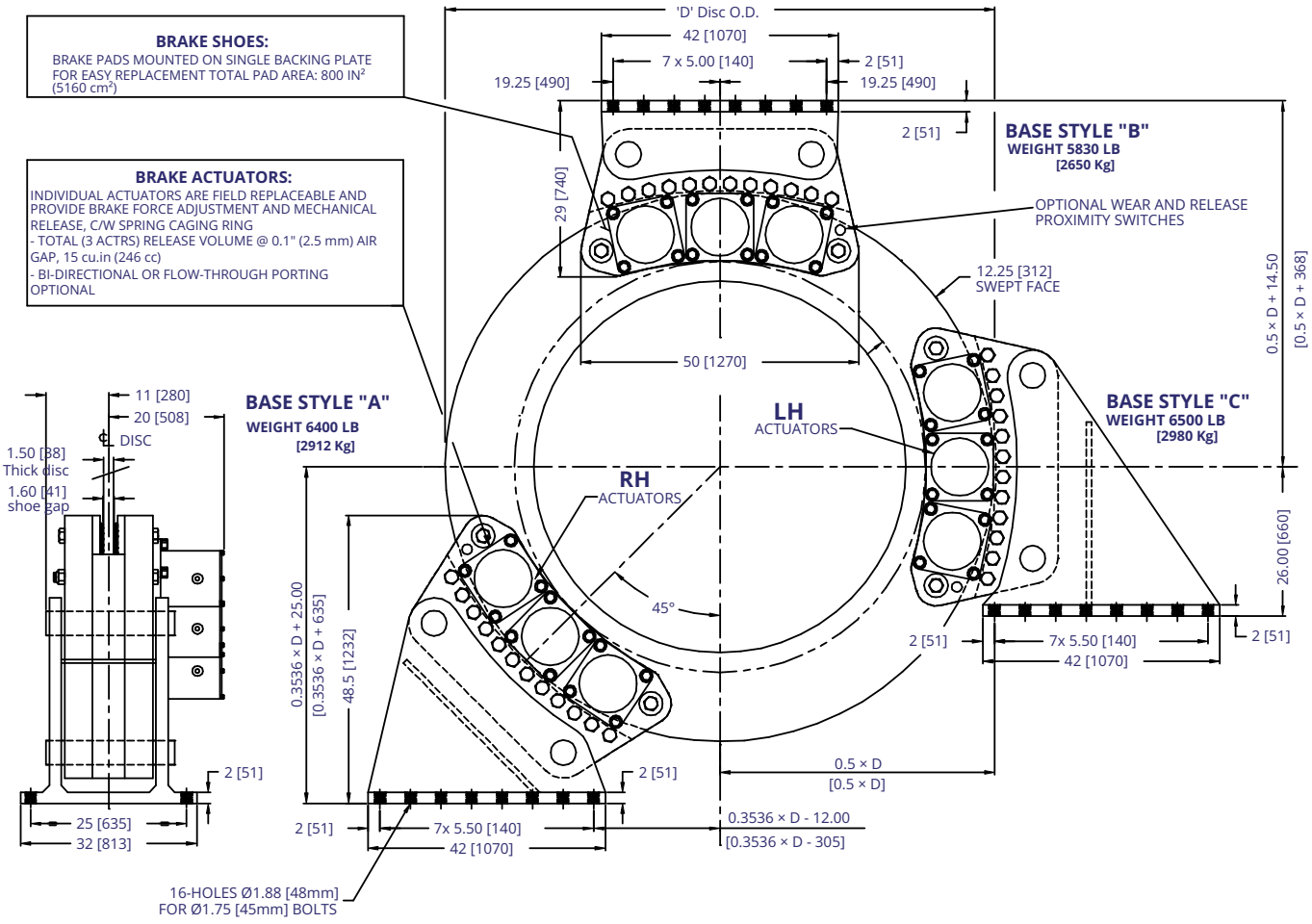
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DS30-12 Series Floating Disc Brake Calipers

DRAWING
DS30-12-01.1



Specifications

Imperial / metric dual (lb/N, psi/bar, lb.ft/Nm)

- 80" (2032mm) Min. Disc Dia. 200" (5080 mm) Max. Disc Dia.
- **MOUNTING BASES:**
  – BASE STYLES A, B, & C HAVE IDENTICAL MNTG FLANGE AND HOLE DIMENSIONS
  – CUSTOM BASES AVAILABLE UPON REQUEST
- Spring-set, hydraulic pressure released floating disc brake
- Three standard base styles A, B and C (identical mounting flange and hole pattern)
- Disc thickness 1.50 in (38 mm); shoe gap 1.60 in (41 mm)
- Clamping force and actuator pressures quoted at 0.1 in (2.5 mm) air gap
- 80 in / 2,032 mm min disc, pad 800 in², 3 actuators
- bases A 6,400 lb / B 5,830 lb / C 6,500 lb

Model	Clamping force lb	Clamping force N	Release psi / bar	Hold-off psi / bar	TI lb.ft	TM Nm
DS3020-12	120,000	534,000	560 / 38.6	535 / 36.7	2,000	107
DS3025-12	150,000	666,000	715 / 49.3	690 / 47.3	2,500	134
DS3030-12	180,000	801,000	840 / 58	815 / 56.3	3,000	160
DS3036-12	216,000	960,000	1,050 / 72.2	1,020 / 70.2	3,600	192
DS3044-12	264,000	1,173,000	1,260 / 86.7	1,225 / 84.6	4,400	235
DS3050-12	300,000	1,335,000	1,400 / 96.6	1,370 / 94.5	5,000	267
DS3060-12	360,000	1,602,000	1,825 / 125.8	1,695 / 116.8	6,000	320
DS3070-12	420,000	1,869,000	2,140 / 147.3	1,990 / 137.2	7,000	374

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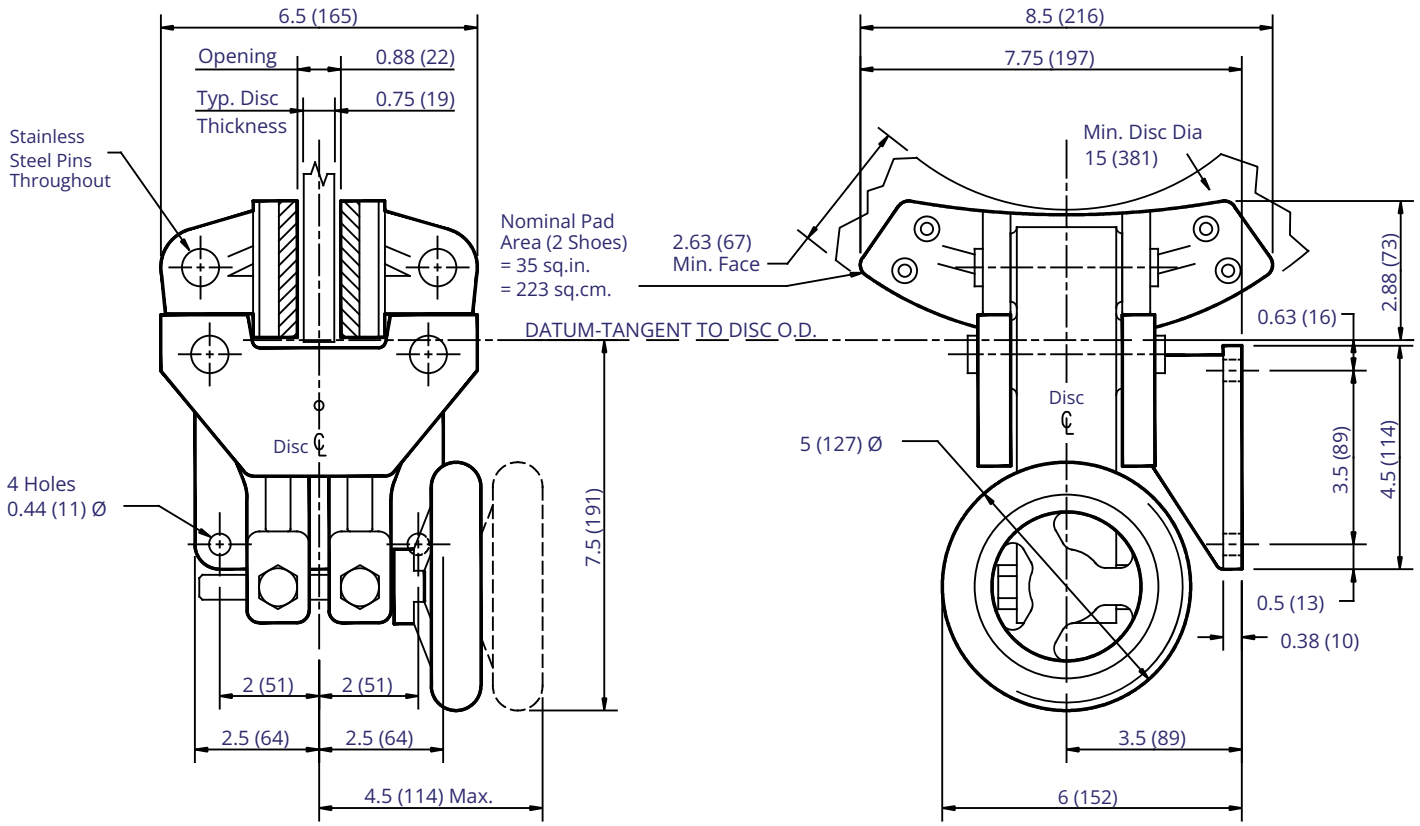
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80W Brake Calipers (foot-mounted, hand wheel)

DRAWING
BC080W-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- WEIGHT: 29 lbs (13 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm
- Typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 4 holes 0.44 in (11 mm) dia.
- Hand wheel 5 in (127 mm) dia.
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @15in/380 lb-ft/Nm	@25/635	@35/890	@45/1140	@55/1400	@65/1650	@75/1905
25 / 3	1200 / 5340	311 / 422	561 / 761	811 / 1100	1060 / 1440	1310 / 1780	1560 / 2120	1810 / 2450
75 / 8.5	3600 / 16000	933 / 1270	1680 / 2280	2430 / 3300	3180 / 4310	3930 / 5330	4680 / 6350	5430 / 7360
125 / 14	6000 / 26700	1560 / 2120	2800 / 3800	4050 / 5490	5300 / 7190	6550 / 8880	7800 / 10600	9050 / 12300
175 / 20	8400 / 37400	2180 / 2960	3930 / 5330	5680 / 7700	7420 / 10100	9180 / 12400	10900 / 14800	12700 / 17200

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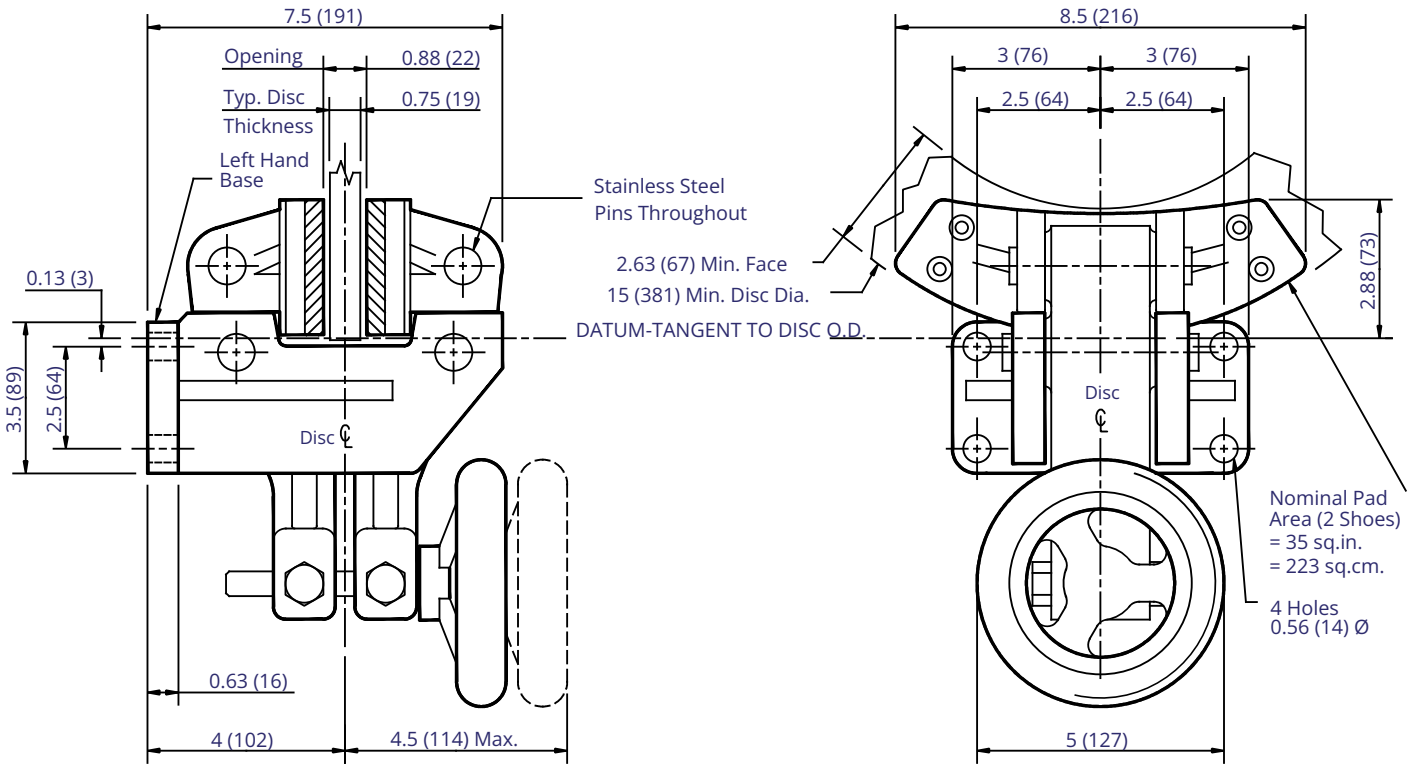
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100W Brake Calipers (side-mounted, hand wheel)

DRAWING
BC100W-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 100W Calipers not available in LH/LH or RH/RH models
- WEIGHT: 28 lbs (13 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 15 in (381 mm); min. face 2.63 in (67 mm)
- Nominal pad area (2 shoes) 35 sq.in / 223 sq.cm
- Typ. disc thickness 0.75 in (19 mm); opening 0.88 in (22 mm)
- 4 holes 0.56 in (14 mm) dia.; left-hand base shown
- Dynamic torque = AF × 0.50 × (D−2.56)/24 lb-ft | Nm: AF × 0.50 × (D−65)/2000
- Static torque = AF × 0.40 × (D−2.56)/24 lb-ft | Nm: AF × 0.40 × (D−65)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @15in/380 lb-ft/Nm	@25/635	@35/890	@45/1140	@55/1400	@65/1650	@75/1905
25 / 3	1200 / 5340	311 / 422	561 / 761	811 / 1100	1060 / 1440	1310 / 1780	1560 / 2120	1810 / 2450
75 / 8.5	3600 / 16000	933 / 1270	1680 / 2280	2430 / 3300	3180 / 4310	3930 / 5330	4680 / 6350	5430 / 7360
125 / 14	6000 / 26700	1560 / 2120	2800 / 3800	4050 / 5490	5300 / 7190	6550 / 8880	7800 / 10600	9050 / 12300
175 / 20	8400 / 37400	2180 / 2960	3930 / 5330	5680 / 7700	7420 / 10100	9180 / 12400	10900 / 14800	12700 / 17200

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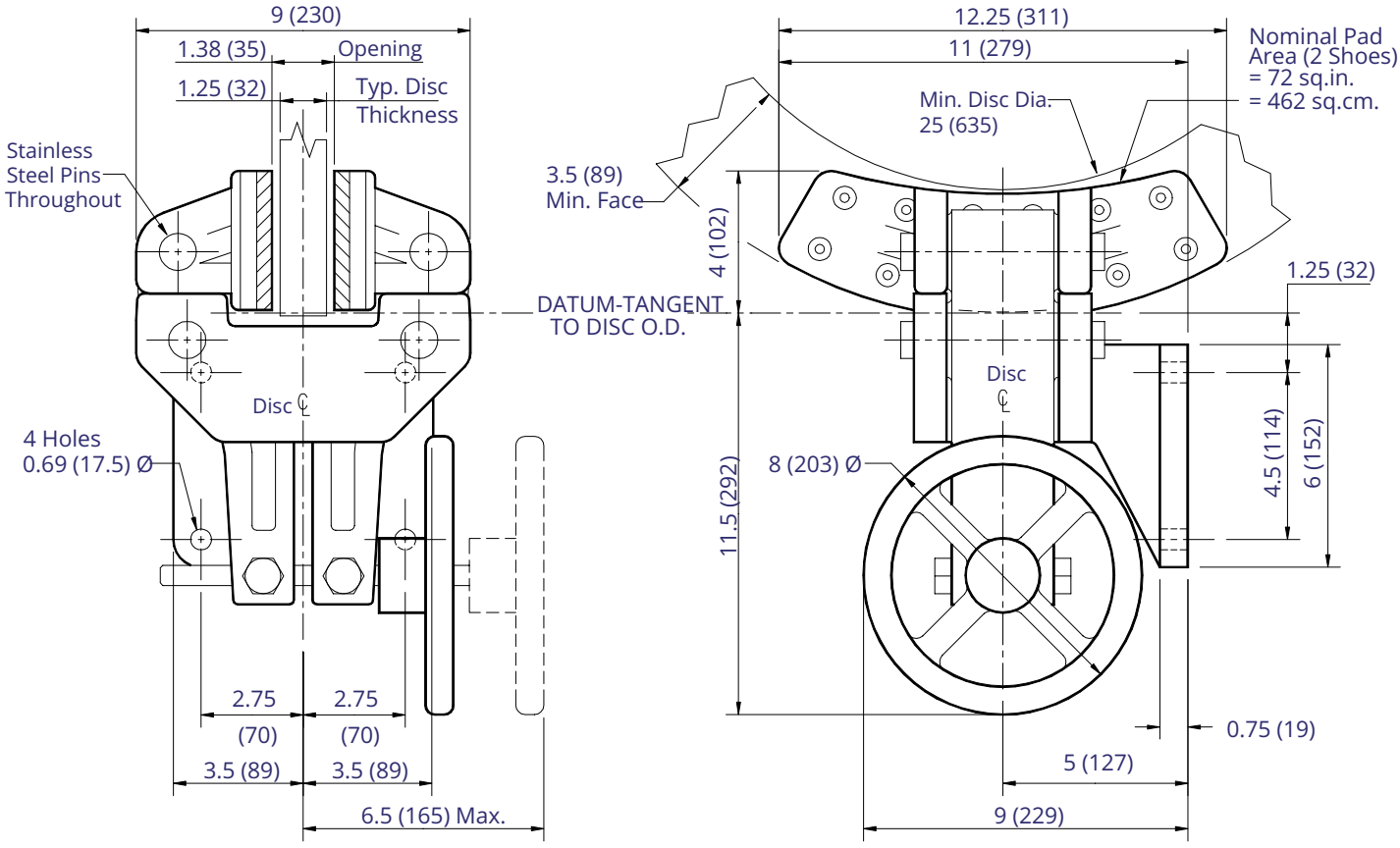
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180W Brake Calipers (foot-mounted, hand wheel)

DRAWING
BC180W-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- WEIGHT: 75 lbs (34 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 4 holes 0.69 in (17.5 mm) dia.
- Hand wheel 8 in (203 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
50 / 5.6	2000 / 8900	901 / 1220	1320 / 1790	1730 / 2350	2150 / 2920	2570 / 3480	2980 / 4040	3400 / 4610
150 / 17	6000 / 26700	2700 / 3660	3960 / 5370	5190 / 7040	6450 / 8750	7710 / 10500	8940 / 12100	10200 / 13800
250 / 28	10000 / 44500	4510 / 6120	6600 / 8950	8650 / 11700	10800 / 14600	12900 / 17500	14900 / 20200	17000 / 23100
350 / 40	14000 / 62300	6310 / 8560	9240 / 12500	12100 / 16400	15100 / 20500	18000 / 24400	20900 / 28300	23800 / 32300
450 / 51	18000 / 80100	8110 / 11000	11900 / 16100	15600 / 21200	19400 / 26300	23100 / 31300	26800 / 36300	30600 / 41500

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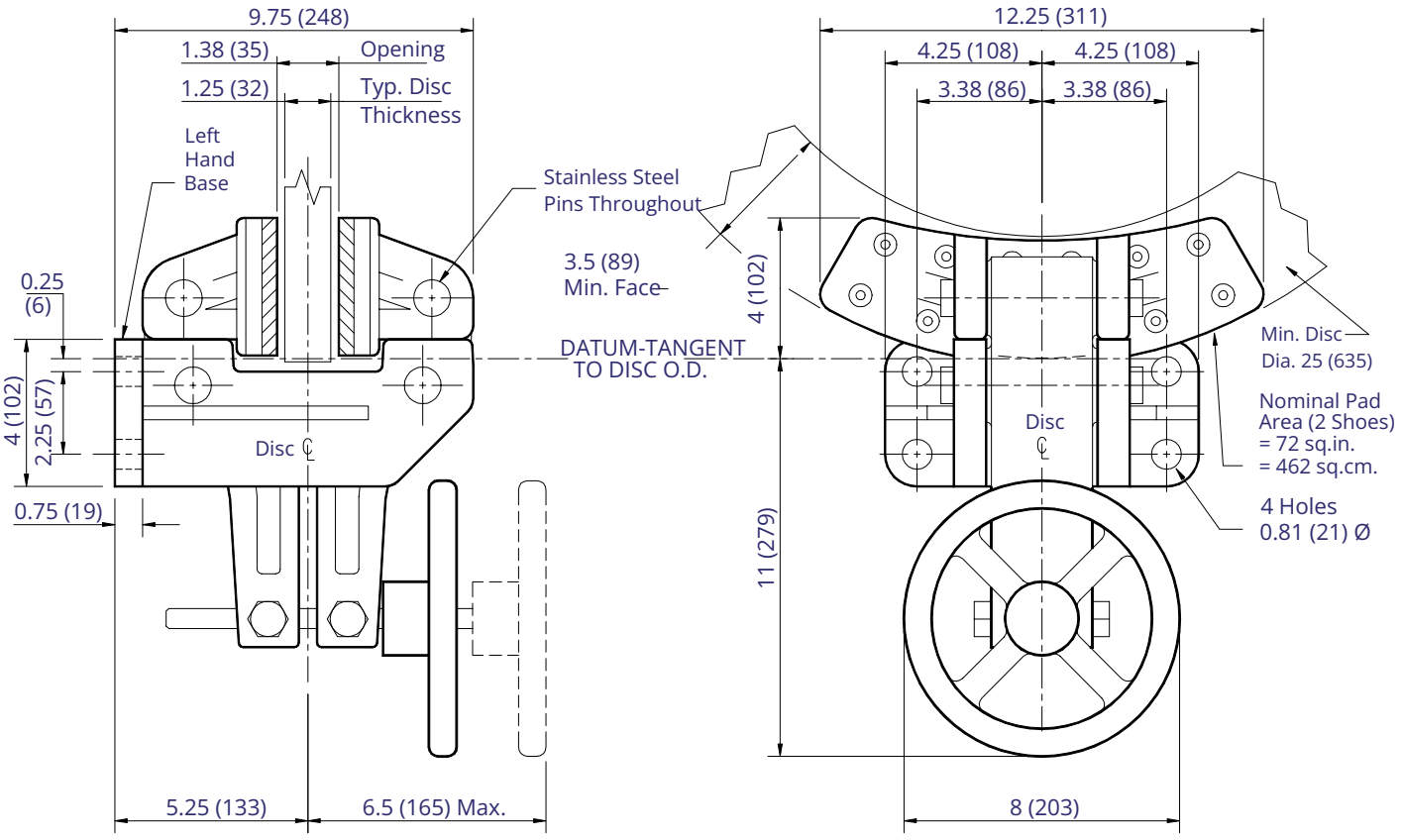
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200W Brake Calipers (side-mounted, hand wheel)

DRAWING
BC200W-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 200HS Series not available in LH/LH or RH/RH models
- WEIGHT: 74 lbs (34 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 25 in (635 mm); min. face 3.5 in (89 mm)
- Nominal pad area (2 shoes) 72 sq.in / 462 sq.cm
- Typ. disc thickness 1.25 in (32 mm); opening 1.38 in (35 mm)
- 4 holes 0.81 in (21 mm) dia.; left-hand base shown
- Hand wheel 8 in (203 mm) dia.
- Dynamic torque = AF × 0.50 × (D−3.375)/24 lb-ft | Nm: AF × 0.50 × (D−85.73)/2000
- Static torque = AF × 0.40 × (D−3.375)/24 lb-ft | Nm: AF × 0.40 × (D−85.73)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @25in/635 lb-ft/Nm	@35/890	@45/1140	@55/1400	@65/1650	@75/1905	@85/2160
50 / 5.6	2000 / 8900	901 / 1220	1320 / 1790	1730 / 2350	2150 / 2920	2570 / 3480	2980 / 4040	3400 / 4610
150 / 17	6000 / 26700	2700 / 3660	3960 / 5370	5190 / 7040	6450 / 8750	7710 / 10500	8940 / 12100	10200 / 13800
250 / 28	10000 / 44500	4510 / 6120	6600 / 8950	8650 / 11700	10800 / 14600	12900 / 17500	14900 / 20200	17000 / 23100
350 / 40	14000 / 62300	6310 / 8560	9240 / 12500	12100 / 16400	15100 / 20500	18000 / 24400	20900 / 28300	23800 / 32300
450 / 51	18000 / 80100	8110 / 11000	11900 / 16100	15600 / 21200	19400 / 26300	23100 / 31300	26800 / 36300	30600 / 41500

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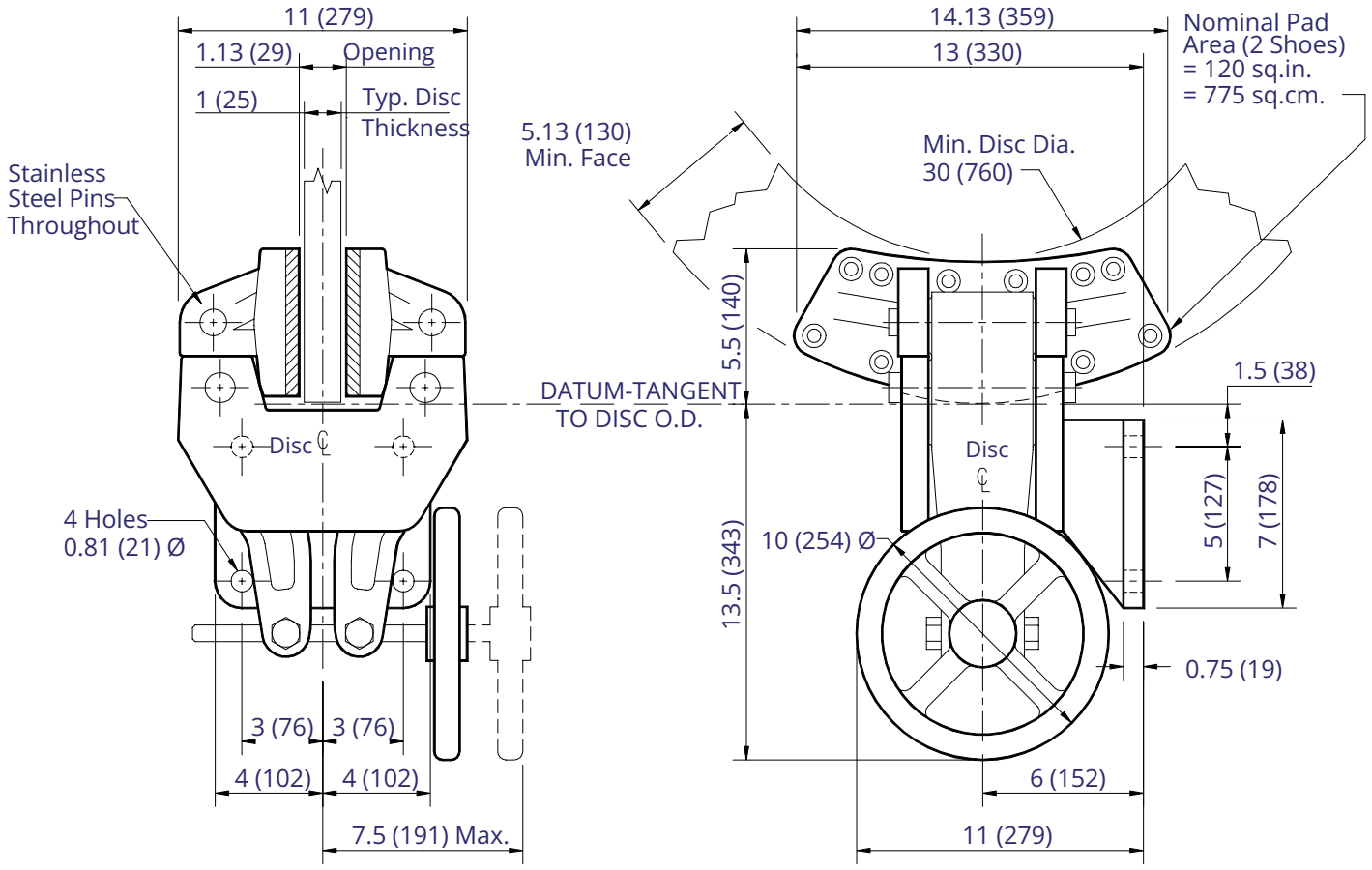
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280WX Brake Calipers

(foot-mounted, hand wheel)

DRAWING
BC280WX-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- WEIGHT: 154 lbs (70 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.13 in (130 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 0.81 in (21 mm) dia.
- Hand wheel 10 in (254 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @30in/762 lb-ft/Nm	@35/890	@40/1020	@50/1270	@60/1520	@70/1780
100 / 11	5480 / 24400	2850 / 3860	3430 / 4650	4000 / 5420	5140 / 6970	6280 / 8520	7420 / 10100
300 / 34	16400 / 72900	8540 / 11600	10300 / 14000	12000 / 16300	15400 / 20900	18800 / 25500	22200 / 30100
500 / 56	27400 / 121900	14300 / 19400	17100 / 23200	20000 / 27100	25700 / 34800	31400 / 42600	37100 / 50300
700 / 79	38300 / 170000	19900 / 27000	23900 / 32400	27900 / 37800	35900 / 48700	43900 / 59500	51900 / 70400

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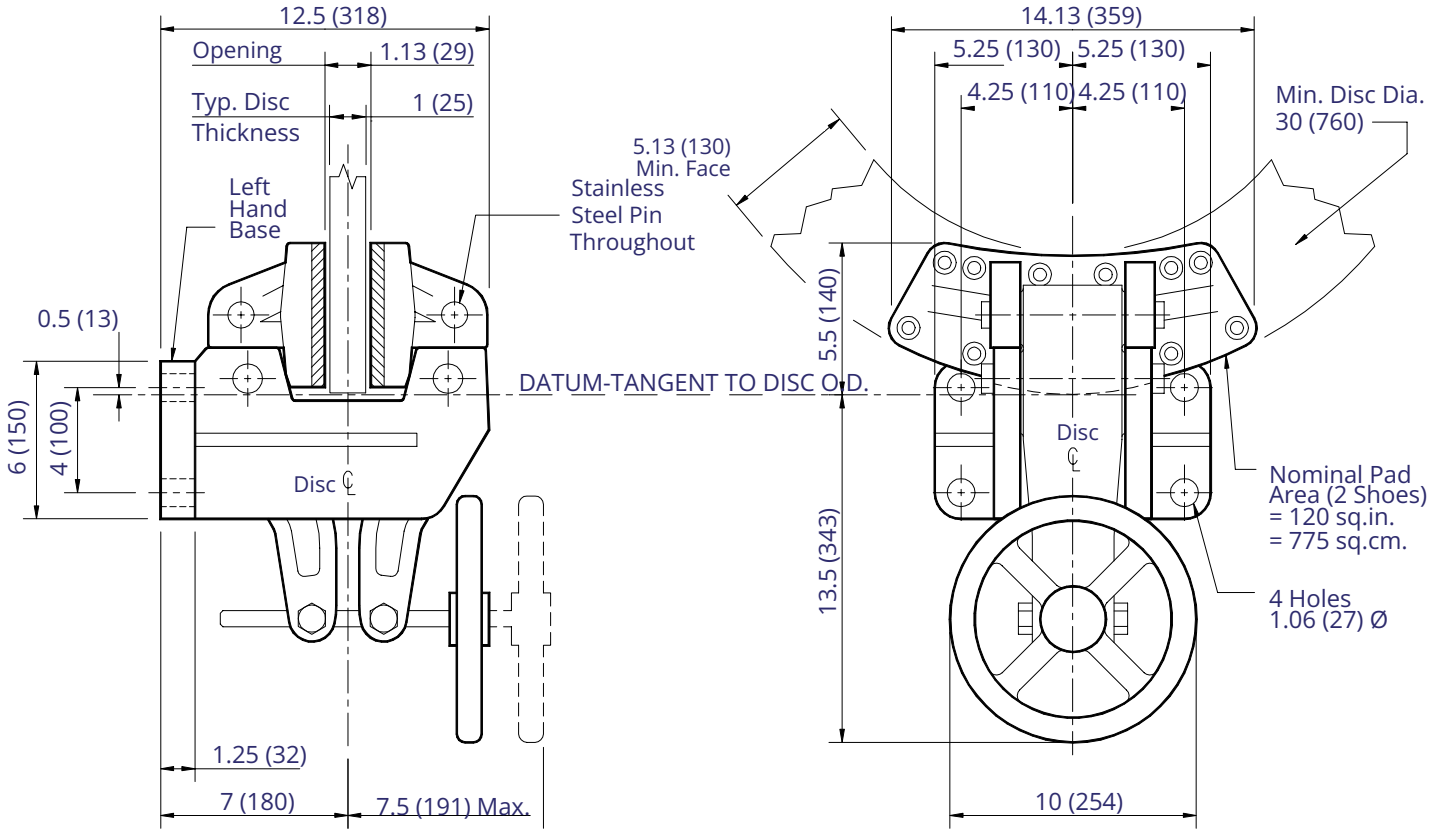
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300WX Brake Calipers

(side-mounted, hand wheel)

DRAWING
BC300WX-1.2



Specifications

Dual in/mm, lb/N, lb-in/Nm, lb-ft/Nm

- DIMENSIONS: Inches (mm)
- NOTE: 300WX Calipers not available in LH/LH or RH/RH models
- WEIGHT: 150 lbs (68 kg)
- Hand wheel applied & released
- Stainless steel pins throughout
- Specify caliper handing and desired disc thickness when enquiring or ordering
- Min. disc dia. 30 in (760 mm); min. face 5.13 in (130 mm)
- Nominal pad area (2 shoes) 120 sq.in / 775 sq.cm
- Typ. disc thickness 1 in (25 mm); opening 1.13 in (29 mm)
- 4 holes 1.06 in (27 mm) dia.; left-hand base shown
- Hand wheel 10 in (254 mm) dia.
- Dynamic torque = AF × 0.50 × (D−5.0)/24 lb-ft | Nm: AF × 0.50 × (D−127)/2000
- Static torque = AF × 0.40 × (D−5.0)/24 lb-ft | Nm: AF × 0.40 × (D−127)/2000

Hand wheel torque lb-in/Nm	Applied force lb/N	Max dyn. torque @30in/762 lb-ft/Nm	@35/890	@40/1020	@50/1270	@60/1520	@70/1780
100 / 11	5480 / 24400	2850 / 3860	3430 / 4650	4000 / 5420	5140 / 6970	6280 / 8520	7420 / 10100
300 / 34	16400 / 72900	8540 / 11600	10300 / 14000	12000 / 16300	15400 / 20900	18800 / 25500	22200 / 30100
500 / 56	27400 / 121900	14300 / 19400	17100 / 23200	20000 / 27100	25700 / 34800	31400 / 42600	37100 / 50300
700 / 79	38300 / 170000	19900 / 27000	23900 / 32400	27900 / 37800	35900 / 48700	43900 / 59500	51900 / 70400

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