

FRENI • FRIZIONI • GIUNTI ROTANTI • SIFONI - BRAKES • CLUTCHES • ROTATING UNIONS • SYPHONS

FRENO A PRESSIONE DI MOLLE (Apertura pneumatica)
SPRING LOADED BRAKE (Air release)

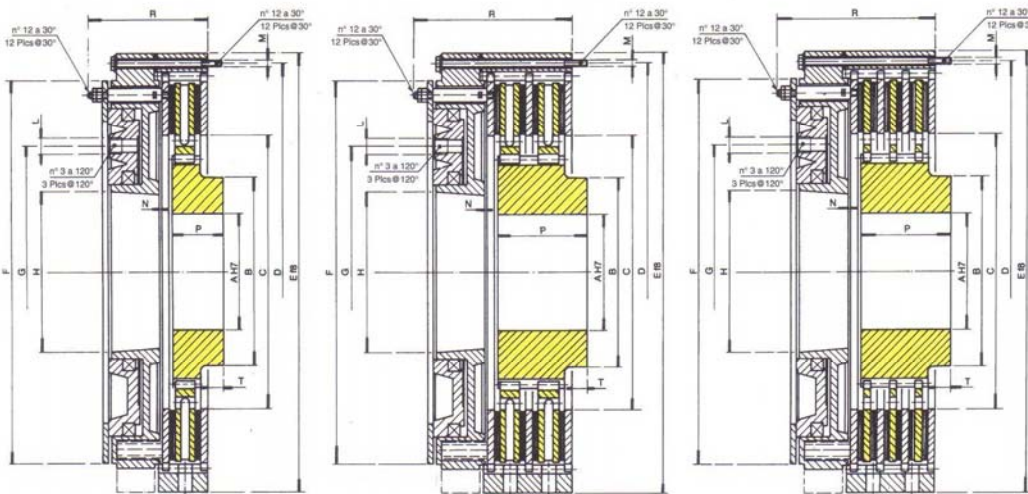
SERIE SB
SERIES SB

Solo per funzionamento a secco e per montaggio ad asse orizzontale.
 For dry operation and horizontal axis mounting only.

SERIE SB•M (monodisco)
SERIES SB•M (single-plate)

SERIE SB•B (bidisco)
SERIES SB•B (two-plate)

SERIE SB•T (tridisco)
SERIES SB•T (three-plate)



M: monodisco • single-plate.
B: bidisco • two-plate.
T: tridisco • three-plate.

Pressione di esercizio 5.5 Bar.
 Operating pressure 80 PSIG.

Pressione massima ammissibile 6 Bar.
 Max allowable pressure 87 PSIG.

Dimensioni - Dimensions in mm. (inches)

TIPO TYPE	SB 195	SB 235	SB 300	SB 360	SB 405	SB 455	SB 505	SB 590	SB 670	SB 740
A max	55 (2.165)	75 (2.953)	100 (3.937)	130 (5.118)	155 (6.102)	170 (6.693)	207 (8.150)	225 (8.858)	285 (11.221)	285 (11.221)
B	75 (2.953)	95 (3.740)	125 (4.921)	160 (6.299)	190 (7.480)	200 (7.874)	240 (9.449)	270 (10.630)	330 (12.992)	330 (12.992)
C	116 (4.567)	138 (5.433)	183 (7.205)	218 (8.583)	253 (9.961)	282 (11.102)	312 (12.283)	357 (14.055)	437 (17.205)	457 (17.992)
D	185 (7.284)	223 (8.780)	284 (11.181)	340 (13.386)	385 (15.158)	430 (16.929)	480 (18.898)	562 (22.126)	637 (25.079)	708 (27.874)
E	195 (7.677)	235 (9.252)	300 (11.811)	360 (14.173)	405 (15.945)	455 (17.913)	505 (19.882)	590 (23.228)	670 (26.378)	740 (29.134)
F	167 (6.575)	200 (7.874)	260 (10.236)	309 (12.165)	354 (13.937)	394 (15.512)	440 (17.323)	507 (19.961)	590 (23.228)	648 (25.512)
G	105 (4.134)	124 (4.882)	172 (6.772)	205 (8.071)	230 (9.055)	265 (10.433)	285 (11.221)	365 (14.370)	425 (16.732)	460 (18.110)
H	63 (2.480)	73 (2.874)	111 (4.370)	126.5 (4.980)	132 (5.197)	158 (6.220)	158 (6.220)	234 (9.213)	295 (11.614)	310 (12.204)
L (BSP)	1/8" G	1/4" G	1/4" G	3/8" G	1/2" G	3/4" G	3/4" G	1" G	1" G	1 1/4" G
M	M5	M6	M8	M10	M10	M12	M12	M14	M16	M16
N	0.5 (0.020)	0.5 (0.020)	0.75 (0.030)	1 (0.039)	1 (0.039)	1 (0.039)	1 (0.039)	1 (0.039)	1.5 (0.059)	1.5 (0.059)
P	M	33 (1.299)	36.5 (1.437)	42.5 (1.673)	49 (1.929)	52 (2.047)	55.5 (2.185)	64.5 (2.539)	72 (2.835)	81 (3.189)
	B • T	63 (2.480)	70.5 (2.776)	80.5 (3.169)	90 (3.543)	97.5 (3.839)	105 (4.134)	118.5 (4.665)	130 (5.118)	147 (5.787)
R	M	87 (3.425)	92 (3.622)	116 (4.567)	133 (5.236)	143 (5.630)	158 (6.221)	168 (6.614)	187 (7.362)	206 (8.110)
	B • T	112 (4.409)	120 (4.724)	147 (5.787)	168 (6.614)	184 (7.244)	200 (7.874)	215 (8.465)	240 (9.449)	265 (10.433)
T	M	10 (0.394)	10 (0.394)	12 (0.472)	14 (0.551)	15 (0.591)	15 (0.591)	18 (0.709)	20 (0.787)	23 (0.906)
	B • T	15 (0.591)	15 (0.591)	17 (0.669)	20 (0.787)	20 (0.787)	20 (0.787)	25 (0.984)	25 (0.984)	30 (1.181)
Max velocità Max Speed (RPM)	2800	2240	1700	1450	1250	1120	1000	850	750	670
Vol. Cil. It. Cyl. Cap. in ³	0.04 (2.44)	0.08 (4.88)	0.15 (9.15)	0.26 (15.87)	0.48 (29.29)	0.54 (32.95)	0.7 (42.71)	1.09 (66.51)	1.38 (84.21)	1.8 (109.8)
Peso Kg Weight Lbs	M	7 (15.4)	11 (24.3)	21 (46.3)	35 (77.2)	63 (139)	71 (157)	99 (218)	120 (265)	183 (404)
	B	11 (24.3)	16 (35.3)	30 (72.8)	49 (108)	78 (172)	85 (187)	141 (311)	186 (410)	281 (620)
J INTERNI INTERNAL Kgm ² (lb-ff)	M	12 (26.5)	19 (41.9)	34 (75.0)	54 (119)	86 (190)	112 (247)	154 (340)	224 (494)	326 (719)
	B	0.005 (0.12)	0.009 (0.21)	0.03 (0.71)	0.075 (1.78)	0.2 (4.75)	0.225 (5.34)	0.5 (11.86)	0.825 (19.58)	1.825 (43.31)
J ESTERNI EXTERNAL Kgm ² (lb-ff)	M	0.008 (0.20)	0.019 (0.45)	0.06 (1.42)	0.15 (3.56)	0.3 (7.12)	0.45 (10.68)	0.9 (21.36)	1.625 (38.56)	3.575 (84.84)
	B	0.009 (0.21)	0.023 (0.55)	0.075 (1.78)	0.162 (3.84)	0.325 (7.72)	0.575 (13.68)	1.125 (26.70)	2.2 (52.21)	4.575 (108.57)
(1) Md da Nm (lb-in)	M	0.033 (0.78)	0.063 (1.49)	0.22 (5.22)	0.5 (11.86)	1 (23.73)	1.45 (34.41)	2.45 (58.14)	4.25 (100.85)	8.25 (195.78)
	B	0.048 (1.14)	0.088 (2.09)	0.275 (6.53)	0.675 (16.20)	1.275 (30.26)	2 (47.46)	3.37 (79.97)	5.875 (139.42)	11.5 (272.90)
(2) Md da Nm (lb-in)	M	0.055 (1.30)	0.105 (2.49)	0.325 (7.71)	0.725 (17.21)	1.375 (32.63)	2.5 (59.33)	3.7 (87.80)	7.625 (180.94)	14.5 (344.09)
	B	9 (797)	18 (1,594)	35 (3,100)	65 (5,757)	100 (8,857)	140 (12,400)	210 (18,600)	270 (23,915)	400 (35,430)
(3) Md da Nm (lb-in)	M	18 (1,594)	36 (3,189)	70 (6,200)	130 (11,515)	200 (17,715)	280 (24,801)	420 (37,201)	540 (47,830)	800 (70,859)
	B	27 (2,392)	54 (4,783)	105 (9,300)	195 (17,272)	300 (26,572)	420 (37,201)	630 (55,802)	810 (71,745)	1200 (106,289)

(1) Momento dinamico con pressione molle 2 Bar (2) Momento dinamico con pressione molle 3 Bar (3) Momento dinamico con pressione molle 4 Bar
 (1) Dynamic torque with spring pressure @ 29 psi (2) Dynamic torque with spring pressure @ 43.5 psi (3) Dynamic torque with spring pressure @ 58 psi.

FRIZIONE A COMANDO PNEUMATICO AIR ACTUATED CLUTCH

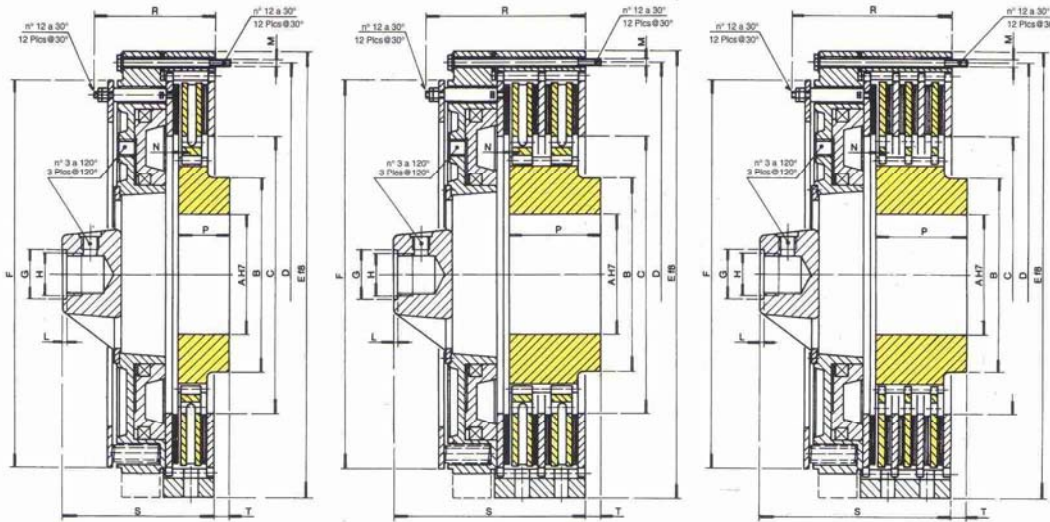
**SERIE SK
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M: monodisco • single-plate.
B: bidisco • two-plate.
T: tridisco • three-plate.

Pressione di esercizio 5.5 Bar.
Operating pressure 80 PSIG.

Pressione massima ammissibile 6 Bar. •
Rilascio per pressione di molle.
Max allowable pressure 87 PSIG. •
Spring pressure release.

Dimensioni - Dimensions in mm. (inches)

TIPO TYPE	SK 195	SK 235	SK 300	SK 360	SK 405	SK 455	SK 505	SK 590	SK 670	SK 740
A max	55 (2.165)	75 (2.953)	100 (3.937)	130 (5.118)	155 (6.102)	170 (6.693)	205 (8.071)	225 (8.858)	285 (11.221)	285 (11.221)
B	75 (2.953)	95 (3.740)	125 (4.921)	160 (6.299)	190 (7.480)	200 (7.874)	240 (9.449)	270 (10.630)	330 (12.992)	330 (12.992)
C	116 (4.567)	138 (5.433)	183 (7.205)	218 (8.583)	253 (9.961)	282 (11.102)	312 (12.283)	357 (14.055)	437 (17.205)	457 (17.992)
D	185 (7.284)	223 (8.780)	284 (11.181)	340 (13.386)	385 (15.158)	430 (16.929)	480 (18.898)	562 (22.126)	637 (25.079)	708 (27.874)
E	195 (7.677)	235 (9.252)	300 (11.811)	360 (14.173)	405 (15.945)	455 (17.913)	505 (19.882)	590 (23.228)	670 (26.378)	740 (29.134)
F	167 (6.575)	200 (7.874)	260 (10.236)	309 (12.165)	354 (13.937)	394 (15.512)	440 (17.323)	507 (19.961)	590 (23.228)	648 (25.512)
G	20 (0.787)	25 (0.984)	25 (0.984)	30 (1.181)	35 (1.378)	45 (1.772)	45 (1.772)	50 (1.969)	50 (1.969)	60 (2.362)
H (BSP)	3/8" G	1/2" G	1/2" G	3/4" G	1" G	1 1/4" G	1 1/4" G	1 1/2" G	1 1/2" G	2" G
L	3 (0.118)	3.5 (0.138)	3.5 (0.138)	4 (0.158)	4.5 (0.177)	5 (0.197)	5 (0.197)	5.5 (0.217)	5.5 (0.217)	6.5 (0.256)
M	M5	M6	M8	M10	M10	M12	M12	M14	M16	M16
N	0.5 (0.020)	0.5 (0.020)	0.75 (0.030)	1 (0.039)	1 (0.039)	1 (0.039)	1 (0.039)	1 (0.039)	1.5 (0.059)	1.5 (0.059)
P	M	33 (1.299)	36.5 (1.437)	42.5 (1.673)	49 (1.929)	52 (2.047)	55.5 (2.185)	64.5 (2.539)	72 (2.835)	81 (3.189)
	B•T	63 (2.480)	70.5 (2.776)	80.5 (3.169)	90 (3.543)	97.5 (3.839)	105 (4.134)	118.5 (4.665)	130 (5.118)	147 (5.787)
R	M	87 (3.425)	92 (3.622)	116 (4.567)	133 (5.236)	143 (5.630)	158 (6.221)	168 (6.614)	187 (7.362)	206 (8.110)
	B•T	112 (4.409)	120 (4.724)	147 (5.787)	168 (6.614)	184 (7.244)	200 (7.874)	215 (8.465)	240 (9.449)	265 (10.433)
S	M	117 (4.606)	133.5 (5.256)	145 (5.709)	173 (6.811)	211 (8.307)	220 (8.661)	229 (9.016)	236 (9.291)	265 (10.433)
	B•T	142 (5.591)	161.5 (6.358)	177 (6.969)	212 (8.346)	250 (9.843)	262 (10.315)	276 (10.866)	305 (12.006)	324 (12.756)
T	M	10 (0.394)	10 (0.394)	12 (0.472)	14 (0.551)	15 (0.591)	15 (0.591)	18 (0.709)	20 (0.787)	23 (0.906)
	B•T	15 (0.591)	15 (0.591)	17 (0.669)	20 (0.787)	20 (0.787)	20 (0.787)	25 (0.984)	25 (0.984)	30 (1.181)
Max velocità Max Speed (RPM)	2800	2240	1700	1450	1250	1120	1000	850	750	670
Vol. Cil. It. Cyl. Cap. in ³	0.04 (2.44)	0.08 (4.88)	0.15 (9.15)	0.26 (15.87)	0.48 (29.29)	0.54 (32.95)	0.7 (42.71)	1.09 (66.51)	1.38 (84.21)	1.8 (109.8)
Peso Kg Weight Lbs	M	8 (17.6)	13 (28.7)	22 (48.5)	37 (81.6)	65 (143)	78 (172)	105 (232)	133 (293)	198 (437)
	B	12 (26.5)	18 (39.7)	32 (70.6)	51 (112)	80 (176)	92 (203)	142 (313)	198 (437)	295 (650)
	T	12 (26.5)	19 (41.9)	34 (75.0)	44 (97)	86 (190)	112 (247)	154 (340)	224 (494)	326 (719)
J INTERNI INTERNAL Kgm ² (lb-ff ²)	M	0.005 (0.12)	0.009 (0.21)	0.03 (0.71)	0.075 (1.78)	0.2 (4.75)	0.225 (5.34)	0.5 (11.86)	0.825 (19.58)	1.825 (43.31)
	B	0.008 (0.19)	0.019 (0.45)	0.06 (1.42)	0.15 (3.56)	0.3 (7.12)	0.45 (10.68)	0.9 (21.36)	1.625 (38.56)	3.575 (84.34)
	T	0.009 (0.21)	0.022 (0.52)	0.075 (1.78)	0.163 (3.87)	0.325 (7.71)	0.575 (13.64)	1.125 (26.70)	2.2 (52.21)	4.575 (108.57)
J ESTERNI EXTERNAL Kgm ² (lb-ff ²)	M	0.033 (0.78)	0.063 (1.49)	0.22 (5.24)	0.5 (11.86)	1 (23.73)	1.45 (34.41)	2.45 (58.14)	4.25 (100.85)	8.25 (195.78)
	B	0.048 (1.14)	0.088 (2.09)	0.275 (6.54)	0.675 (16.02)	1.25 (29.66)	2.05 (48.65)	3.3 (78.31)	6.125 (145.35)	11.75 (278.83)
	T	0.055 (1.30)	0.105 (2.49)	0.325 (7.73)	0.725 (17.21)	1.375 (32.63)	2.5 (59.33)	3.625 (86.02)	7.75 (183.91)	14.8 (351.21)
(1) Ms da Nm (lb-in)	M	27 (2,392)	53 (4,739)	107 (9,497)	202 (17,892)	300 (26,572)	416 (36,847)	624 (55,270)	830 (73,516)	1170 (103,631)
	B	54 (4,783)	107 (9,474)	214 (18,995)	404 (35,784)	600 (53,144)	832 (73,694)	1248 (110,540)	1660 (147,033)	2340 (207,263)
	T	81 (7,175)	160 (14,172)	321 (28,432)	606 (53,676)	900 (79,717)	1248 (110,540)	1872 (165,810)	2490 (220,549)	3510 (310,895)
(2) Ms da Nm (lb-in)	M	22 (1,993)	44 (3,942)	89 (7,883)	168 (15,880)	250 (22,144)	345 (30,558)	520 (46,059)	690 (61,116)	975 (86,360)
	B	45 (3,997)	89 (7,883)	178 (15,766)	336 (29,761)	500 (44,287)	690 (61,116)	1040 (92,117)	1380 (122,232)	1950 (172,719)
	T	67 (5,979)	133 (11,825)	267 (23,649)	504 (44,641)	750 (66,431)	1035 (91,674)	1560 (138,175)	2070 (183,348)	2925 (259,079)
(3) Ms da Nm (lb-in)	M	18 (1,594)	35 (3,144)	71 (6,289)	135 (11,958)	200 (17,717)	277 (24,535)	416 (36,847)	553 (48,981)	780 (69,088)
	B	36 (3,189)	71 (6,289)	142 (12,578)	270 (23,915)	400 (35,430)	554 (49,070)	832 (73,694)	1106 (97,963)	1560 (138,175)
	T	54 (4,783)	106 (9,433)	213 (18,866)	405 (35,873)	600 (53,144)	831 (73,605)	1248 (110,540)	1659 (146,944)	2340 (207,263)

(1) Momento statico con pressione molle 1 Bar (2) Momento statico con pressione molle 2 Bar (3) Momento statico con pressione molle 3 Bar

(1) Static torque with spring pressure @ 14.5 psi (2) Static torque with spring pressure @ 29 psi (3) Static torque with spring pressure @ 43.5 psi.

Variazioni senza preavviso - Changes without notice



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