

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

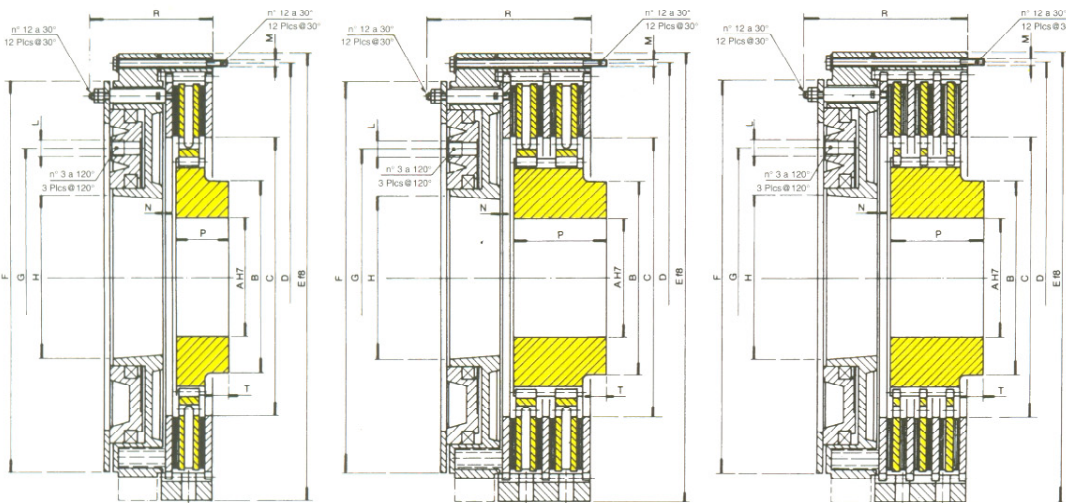
**SERIE SB**  
**SERIES SB**

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 <sup>3</sup>	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 INTERNALS Kg/m <sup>2</sup> (lb-#f)	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 EXTERNALS Kg/m <sup>2</sup> (lb-#f)	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 (13.64)	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)
(3) Md da Nm (lb-in)	M	13 (1,196)	27 (2,392)	52 (4,650)	97 (8,636)	150 (13,286)	210 (18,601)	315 (27,901)	405 (35,872)	600 (53,144)
	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)
(3) Md da Nm (lb-in)	M	40 (3,587)	81 (7,175)	157 (13,950)	292 (25,908)	450 (39,858)	630 (55,802)	945 (83,702)	1215 (107,617)	1800 (159,433)
	B	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)
(3) Md da Nm (lb-in)	M	36 (3,189)	72 (6,377)	140 (12,400)	260 (23,029)	400 (35,430)	560 (49,601)	840 (74,402)	1080 (95,660)	1600 (141,718)
	B	54 (4,783)	108 (9,566)	210 (18,601)	390 (34,544)	600 (53,144)	840 (74,402)	1260 (111,603)	1620 (143,490)	2400 (212,578)

(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

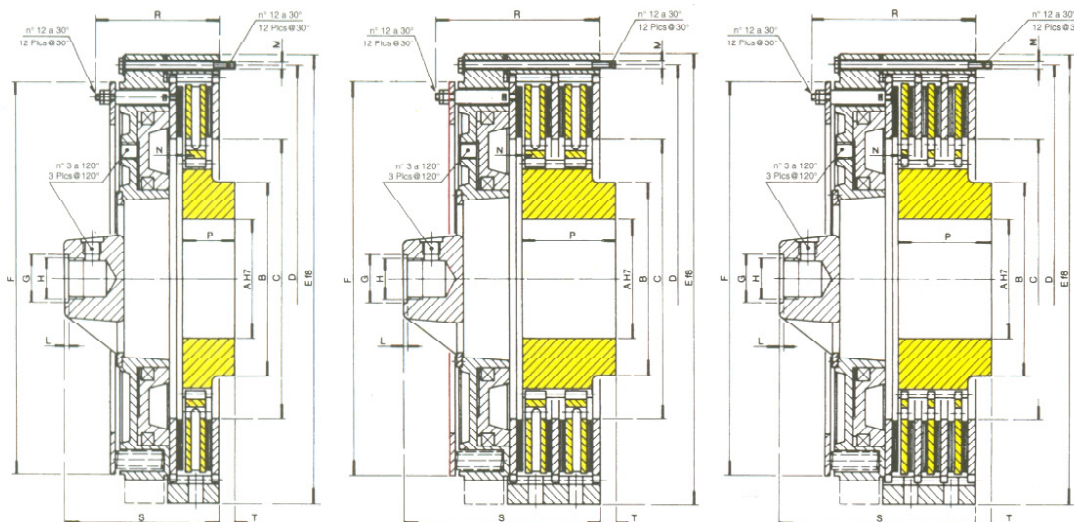
**SERIE SK  
SERIES SK**

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

**SERIE SK•M (monodisco)**  
**SERIES SK•M (single-plate)**

**SERIE SK•B (bidisco)**  
**SERIES SK•B (two-plate)**

**SERIE SK•T (tridisco)**  
**SERIES SK•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. •  
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 (1.209)	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 (12.008)	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. lit Cyl. Cap. in <sup>3</sup>	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 Kgm <sup>2</sup> (lb-ft <sup>2</sup> )	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 Kgm <sup>2</sup> (lb-ft <sup>2</sup> )	M	0.033 (0.78)	0.063 (1.49)	0.22 (5.24)	0.5 (11.86)	1 (23.70)	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 (3,897)	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