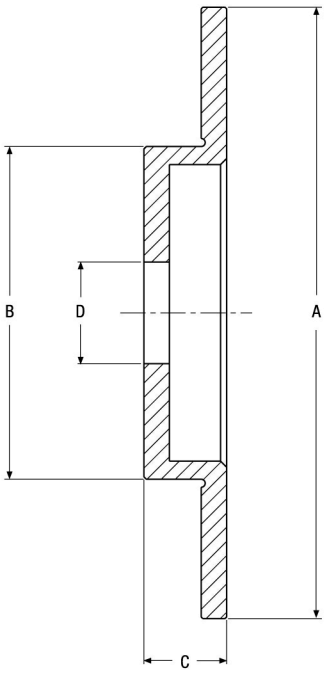
Twiflex Limited®
Altra Industrial Motion

Disc and Hub Assemblies

Brake Discs



Twiflex brake discs may be supplied bored and drilled to customer requirements. Non-standard disc sizes, not shown in the tables, can be supplied to order. Brake discs are manufactured from spheroidal graphite iron.

12.7mm (0.5 in) thick brake discs

Nominal Diameter	A	B	C	D Min.	Inertia kgm² (psf)	Weight kg (lb)	Max. Safe Disc Speed
250	250 (9.84)	128 (5.03)	36 (1.42)	30 (1.18)	0.04 (0.01)	4.0 (8.82)	6500
300	305 (12.01)	* *	41 (1.61)	51 (2.01)	0.09 (0.02)	7.3 (16.09)	6000
350	356 (14.02)	210 (8.27)	54 (2.13)	76 (2.99)	0.17 (0.03)	10.9 (24.03)	5100
400	406 (15.98)	260 (10.24)	54 (2.13)	102 (4.02)	0.28 (0.06)	14.1 (31.09)	4400
460	457 (17.99)	311 (12.24)	54 (2.13)	102 (4.02)	0.48 (0.10)	19.1 (42.11)	3900
515	514 (20.24)	368 (14.49)	54 (2.13)	102 (4.02)	0.75 (0.15)	22.7 (50.04)	3500
610	610 (24.02)	464 (18.27)	54 (2.13)	102 (4.02)	1.57 (0.32)	33.0 (72.75)	2900
710	711 (27.99)	565 (22.24)	54 (2.13)	102 (4.02)	3.20 (0.66)	52.3 (115.30)	2500
810	813 (32.01)	660 (25.98)	54 (2.13)	102 (4.02)	6.57 (1.35)	85.5 (188.50)	2200
915	914 (35.98)	762 (30.00)	54 (2.13)	102 (4.02)	10.80 (2.21)	110.9 (244.49)	1900

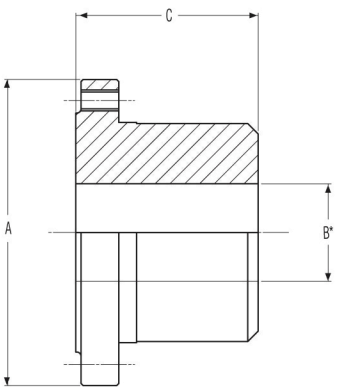
All dimensions in mm (in)

25.4mm (1 in) thick brake discs

Nominal Diameter	A	B	C	D Min.	Inertia kgm² (psf)	Weight kg (lb)	Max. Safe Disc Speed
610	610 (24.02)	343 (13.50)	76 (2.99)	125 (4.92)	2.75 (0.56)	66 (145.51)	2900
760	762 (30.00)	495 (19.49)	76 (2.99)	125 (4.92)	7.0 (1.43)	104 (229.28)	2300
915	914 (35.98)	648 (25.51)	76 (2.99)	230 (9.06)	16.0 (3.28)	150 (330.69)	1900
1065	1067 (42.01)	800 (31.50)	76 (2.99)	230 (9.06)	29.1 (5.96)	220 (485.69)	1600
1220	1219 (47.99)	914 (35.98)	76 (2.99)	230 (9.06)	49.1 (10.06)	273 (601.86)	1400
1370	1372 (54.02)	1067 (42.01)	76 (2.99)	*	80.1 (16.41)	346 (762.80)	1200
1525	1524 (60.00)	1219 (47.99)	76 (2.99)	*	120.5 (24.68)	393 (866.42)	1100
1830	1829 (72.01)	1524 (60.00)	76 (2.99)	*	243.5 (49.87)	522 (1150.81	1000

All dimensions in mm (in)
** Bores cast and machined to order*

Hubs



Range of Hubs used with Twiflex Brake Discs

Hub Size	A	B*	C	Disc Size	Max. Brake Torque kNm (ft lb)	WR² kgm² (psf)
112	99 (3.90)	14-42 (0.55-1.65)	58 (2.28)	250 (9.84)	1.1 (811)	0.00097 (0.0002)
168	146 (5.75)	28-65 (1.10-2.56)	87 (3.43)	300 (11.81)	3.6 (2655)	0.0088 (0.0018)
240	200 (7.87)	60-95 (2.36-3.74)	117 (4.61)	400 (15.75)	9.5 (7007)	0.044 (0.009)
330	272 (10.71)	75-130 (2.95-5.12)	155 (6.10)	400 (15.75)	24.0 (17701)	0.23 (0.05)
370	308 (12.13)	90-150 (3.54-5.91)	176 (6.93)	515 (20.28)	30.0 (22127)	0.35 (0.07)

** Hubs can be supplied with parallel or taper bores, and keywayed to order, at extra cost.*
Hubs are manufactured from steel 080M40.