

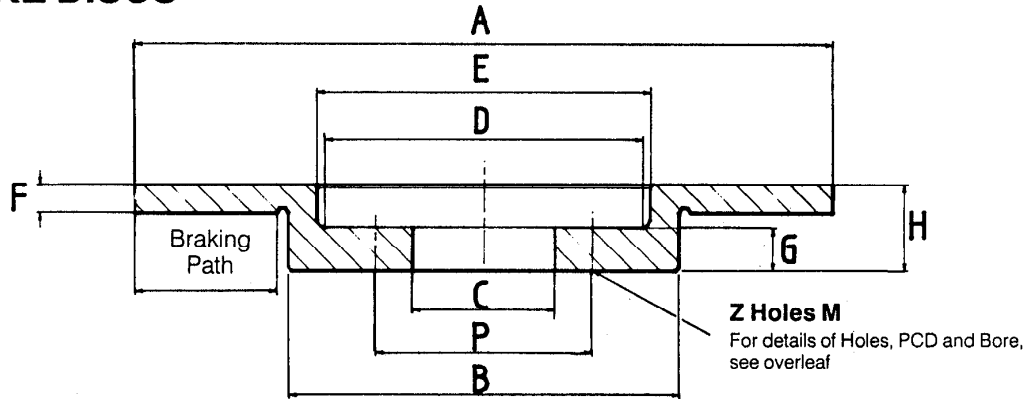
STANDARD BRAKE DISCS and HUBS

DB 5002

Issue 6

Date: Dec 1989

BRAKE DISCS



MATERIAL: S.G. IRON
BS2789 — SNG420/12
MACHINED ALL OVER

Thickness variation of disc flange: 0.05mm total variation
Surface finish $2\mu\text{m}$ (0.002mm) = 80 micro-inch or better.

Table 1 Range of 12.7mm thick Brake Discs

Nominal Diameter		Part No.	A	B	C*	D	E	F	G	H	WR ² (kgm ²)	Weight (kg)	Max. Safe Disc Speed (rev/min)
(mm)	(inch)												
250	10	6830261	250	128	30	116	120.0	12.7	6.0	36	0.04	4.0	6500
300	12	6830259	305	166	51	140	148.0	12.7	12.7	41	0.09	7.3	6000
350	14	6830085	356	210	76	171	184.1	12.7	15.9	54	0.17	10.9	5100
400	16	6830138	406	260	102	222	234.9	12.7	12.7	54	0.28	14.1	4400
460	18	6830080	457	311	102	273	285.7	12.7	15.9	54	0.48	19.1	3900
515	20 1/4	6830005	514	368	102	336	349.2	12.7	15.9	54	0.75	22.7	3500
610	24	6830081	610	464	102	425	438.1	12.7	15.9	54	1.57	33.0	2900
710	28	6830114	711	565	102	527	539.7	12.7	19	54	3.20	52.3	2500
810	32	6830125	813	660	102	593	609.6	12.7	25.4	54	6.57	85.5	2200
915	36	6830142	914	762	102	695	711.2	12.7	25.4	54	10.80	110.9	1900

*Nominal minimum diameters as shown. Bored and drilled to requirements at extra cost.

Table 2 Range of 25.4mm thick Brake Discs

Nominal Diameter		Part No.	A	B	C*	D	E	F	G	H	WR ² (kgm ²)	Weight (kg)	Max. Safe Disc Speed (rev/min)
(mm)	(inch)												
610	24	6830140	610	343	125	279	292.1	25.4	38	76	2.75	66	2900
760	30	6830149	762	495	125	431	444.5	25.4	38	76	7.0	104	2300
915	36	6830155	914	648	230	577	596.9	25.4	38	76	16.0	150	1900
1065	42	6830171	1067	800	120	730	749.3	25.4	38	76	29.1	220	1600
1220	48	6830131	1219	914	230	844	863.6	25.4	38	76	49.1	273	1400
1370	54	6830163	1372	1067	—	996	1016.0	25.4	38	76	80.1	346	1200
1525	60	6830164	1524	1219	—	1149	1168.4	25.4	38	76	120.5	393	1100
1830	72	6830177	1829	1524	—	1454	1473.2	25.4	38	76	243.5	522	1000

*Nominal minimum diameters as shown. Bored and Drilled to requirements at extra cost.

Non standard Brake Discs can be supplied to order. Discs 6830163, 6830164 and 6830177 bores cast and machined to order.
Minimum recommended clearance for bolt holes, 0.03mm/cm of PCD
e.g. for a 25cm PCD, clearance = $0.03 \times 25 = 0.75\text{mm}$



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