WINNARD

SOLID BRAKE DISC SPECIAL OFFER

Due to market demand we have developed SOLID versions of a number of brake disc applications. These design upgrades provide a more durable brake which are more resistant to heat crazing and cracking.

BO1002S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	203
(D) HEIGHT:	131
(E) PCD:	235
(F) STUD HOLES:	10xM16
WEIGHT	40.50 kg

OEM: 0.8213.5830, 0004200172, 0004200272, 0004210312, 050131449, 050131522, 0501315228, 050131695, 0501316953, 0707000036, 082135830, 11015508, 1137179, 1525365, 20234110, 221414, 222475, 234110, 36.50803-0000, 4200172, 42541277, 501314498, 501315228, 501316953, 501316958, 82133300, 82135830, 82850005890, 8285472000, B221412, II310251, II371910061, II376530061, K021958

BP1026S

Specification	
(A) DIAMETER:	377
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	230
(D) HEIGHT:	160
(E) PCD:	275
(F) STUD HOLES:	8x23
EXTRA HOLES	5T for ABS*
WEIGHT	35.50 kg

OEM: 03.088.34.01.0, 03.088.34.01.7, 03.088.34.03.0, 03.088.34.03.7, 03.088.34.15.7, 03.088.34.16.7, 0308834010, 0308834017, 0308834030, 0308834037, 0308834157, 0308834167, 0308834167, 0908834167, 125669203, 42550442 * ABS RINGS AVAILABLE

DA1058S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	217
(D) HEIGHT:	45
(E) PCD:	233
(F) STUD HOLES:	10x8.5
WEIGHT	33.60 kg

OEM: 1387439, 1640560, 1640561, 1690788, 1726138, 1739542, 1783346, 1812563, 1812582, K034248K50, K034249K50

MD1023S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	131
(D) HEIGHT:	130
(E) PCD:	168
(F) STUD HOLES:	1 2 x 1 9
WEIGHT	45.40 kg

OEM: 28050090, 81.50803-0023, 81.50803-0038, 81.50803-0040, 81.50803-0046, 81.50803.0023, 81.50803.0038, 81.50803.0040, 81.50803.0046, 81.50803.3023, 81508030023, 81508030038, 81508030040, 81508030046, 81508033023, N508030038, N508030040

MD1025S

Specification	
(A) DIAMETER:	432
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	208
(D) HEIGHT:	135
(E) PCD:	235
(F) STUD HOLES:	10xM16
WEIGHT	46.7 kg

OEM: 81.50803.0021, 81.50803.0041, 81.50803.0047, 81.50803.3041, 81508030021, 81508030041, 81508030047, 81508033041

MNE1065S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	211
(D) HEIGHT:	132.5
(E) PCD:	238
(F) STUD HOLES:	10xM14
WEIGHT	40.4 kg

OEM: 1137415, 1149978, 30138351, A6954230512, A9424210312, A9424210912, A9424211012, A9424211112, A9424211212, A9424212112, A9424212512, A9424212612, A9424230012, A9424230112, CF104132, CF104493, II49978, K075758

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MNE1120S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	131
(D) HEIGHT:	131
(E) PCD:	168
(F) STUD HOLES:	10x21
WEIGHT	40.2 kg

OEM: - SOLID VERSION, 0004213512, 960 421 0312, 960 421 0412, 9604210312, 9604210412, A9604210312, A9604210412, JAE0111000412, K119842

RN1041S

Specification	
(A) DIAMETER:	434
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	131
(D) HEIGHT:	97
(E) PCD:	165
(F) STUD HOLES:	10x17
WEIGHT	42 kg

OEM: 35010422593, 500055596, 5001672150, 5006172150, 5010216437, 5010422363, 5010422593, 5010423363, 5010423393, 68323662, 7482194787, 82196750, Z001637

SAU1018S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	131
(D) HEIGHT:	130
(E) PCD:	168
(F) STUD HOLES:	12x19
WEIGHT	33.0 kg

OEM: 015733, 017347, 04.079.0005.00, 04.079.0005.01, 04.079.0005.02, 04.079.0006.00, 04079000500, 04079000501, 04079000502, 04079000600, 1009863, 4079000500, 4079000501

SAU1031S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	164
(D) HEIGHT:	48
(E) PCD:	190
(F) STUD HOLES:	10x13.5
WEIGHT	35.3 kg

OEM: - SOLID VERSION, 04.079.0013.00, 04.079.0013.01, 04.079.0013.02, 04.079.0013.03, 04.079.0013.53, 04079001300, 04079001301, 04079001302, 04079001303, 2004079001300, 2004079001301, 2004079001302, 2004079001303, 204079001303

SC1023S

Specification	
(A) DIAMETER:	430
(B) THICKNESS:	45
(B) MIN THICKNESS:	37
(C) REGISTER:	208
(D) HEIGHT:	131
(E) PCD:	237
(F) STUD HOLES:	10xM16
WEIGHT	38.0 kg

OEM: 1367735, 1386686, 1402272, 1852817

ABS RING DESIGN UPGRADES

DE1053+2 & RO1028+2

Login to the Winnard web site for further information: www.winnard.co.uk

Available on the Android App Store

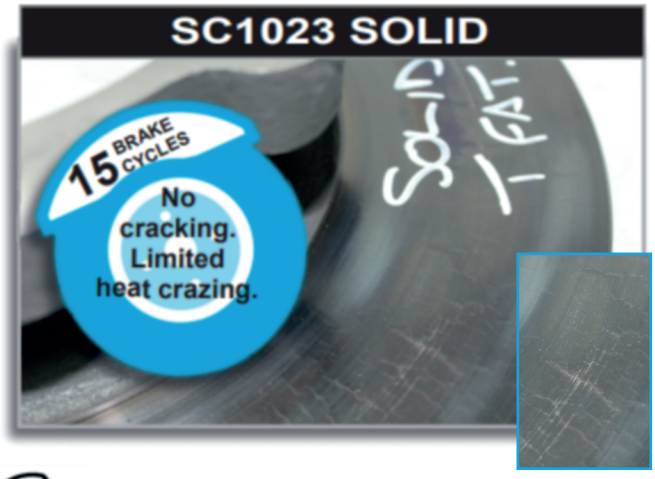
Available on the App Store

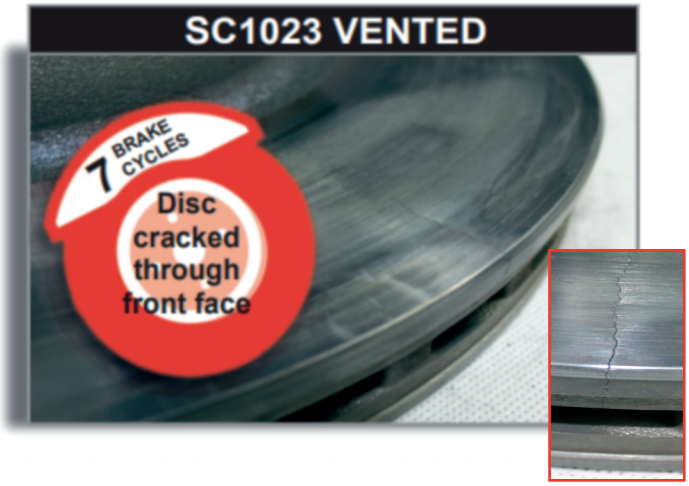
WINNARD

HAVING PROBLEMS WITH CRACKING BRAKE DISCS?

WINNARD COULD HAVE THE SOLUTION

Extensive ECE R90 testing has proven that a solid version of a previously vented design can reduce and even prevent the premature replacement of a brake disc due to heat crazing and cracking with no operational disadvantages.





WHAT IS A BRAKING CYCLE ?

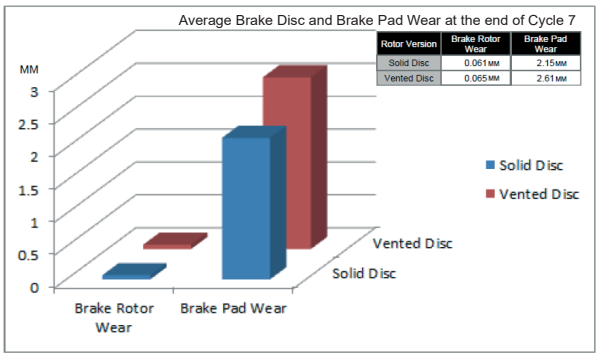
Each cycle consists of the following procedures, it is designed to test the disc to destruction.

1 BRAKING CYCLE

"Bedding-in" procedure	100 Brake applications
1. Conditioned braking	10 Brake applications from 60 to 30 km/h
2. High-speed braking	2 Brake applications from 130 to 80 km/h
3. Conditioned braking	See test stage 1. Conditioned braking
4. High-speed braking	See test stage 2. High speed braking
5. Conditioned braking	See test stage 1. Conditioned braking
6. Continuous braking (1)	5 Brake applications at a constant speed of: 85 km/h
7. Conditioned braking	See test stage 1. Conditioned braking
8. Continuous braking (2)	5 Brake applications at a constant speed of: 85 km/h
9. Repeat test stages 1 to 8:	9 or 14 times (whichever is applicable)

WINNARD SC1023 SOLID vs SC1023 VENTED PERFORMANCE SUMMARY

1. Same Dynamic Friction Performance
2. Similar operating temperatures
3. Increased brake pad life
4. Improved resistance to thermal cracking
5. Lasts up to 4 times longer
6. Reduces operational costs



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