precision PARTS

NU LINE

POWERBOND Harmonic Balancers

NU LINE

Contents

Precision Parts Pty. Ltd.
A.C.N 002 557 431

"Precision Parts are pleased to introduce Australia's largest range of new harmonic balancers, bonded performance balancers and heavy-duty engine pulleys."

INTRODUCTION

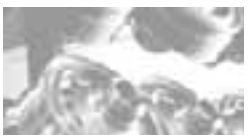
Precision Parts is an all-Australian company based in Wagga Wagga NSW, and is the market leader in harmonic balancer manufacture. The company's rapid growth over more than 25 years can be attributed to constant range development.

Increasing demand for new balancers both in Australia and the USA has allowed Precision Parts to invest in tooling to produce an extensive range of new product marketed under the NULINE brand.

Precision Parts also utilize state of the art fully automated rubber bonding facilities to produce the range of POWERBOND performance balancers for customers in Australia and the USA.

Precision Parts vast experience in pulley manufacture is now being applied to the NULINE heavy-duty engine pulley range for popular automotive applications. These SG Iron and pressed metal idler and drive pulleys offer a durable and economical replacement for OEM plastic pulleys.

The overriding objective of Precision Parts constant program of plant and equipment upgrades is to provide an Australian made product of unrivalled quality at the most competitive price. Precision Parts commitment to total quality control has been formalised with the independent certification that the quality management systems comply with Australian Standard ISO9001-2000.



PRODUCT PROFILE

nuline harmonic balancers

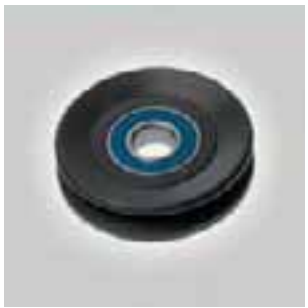
Nuline Harmonic Balancers offer engine repairers an affordable premium quality new assembly featuring high grade SG Iron castings with inserted or bonded dampening rubber as used in the original balancer.

Nuline balancers are available for all popular passenger car, light commercial and 4WD applications.

powerbond performance balancers

Powerbond performance balancers feature durable bonded dampening rubber in place of inserted rubber used in most standard replacement balancers. The bonding process eliminates the tendency for balancer inertia rings to spin and separate in high revving performance applications.

Models are available to suit every performance requirement and budget with economical SG Iron STREET models and the ultimate all steel SFI approved RACE versions.



nuline engine pulleys

Nuline engine pulleys replace genuine moulded plastic or pressed metal pulleys with durable and economical SG Iron or pressed metal, similar to the material used in harmonic balancers.

All roller bearings used feature C3 rated high-speed races, high temperature lubricant and heavy-duty silicone seals for maximum service life at high RPMs.

The range of Nuline pulleys has been greatly expanded to cover virtually all popular passenger car and light commercial applications.

WARRANTY

New harmonic balancers and engine pulleys

All new harmonic balancers and engine pulleys manufactured by Precision Parts Pty. Ltd. and sold using the brand name 'NULINE' or 'POWERBOND harmonic balancers' are covered by warranty against faulty materials and workmanship. Precision Parts Pty. Ltd. will replace this product without charge should it prove to be defective in the warranty period listed from the date of original purchase.

Warranty period: Twelve (12) months or 20 000 kms, whichever should occur first.

Exclusions to warranty: Any non standard applications and damage caused by incorrect handling and/or fitting from misuse, abuse, accident or alteration of the product. This warranty is only applicable in Australia for product purchased through a Precision Parts Pty. Ltd. authorized dealer.

Claims procedure

In the event of a warranty claim, return the faulty harmonic balancer, together with the purchase and distance traveled details, to the dealer from whom the balancer was purchased. Providing your warranty claim is within the guidelines of eligibility, a new harmonic balancer will be supplied free of charge including associated freight costs.

Limitations of warranty: If a Precision Parts balancer does not perform to the customer's satisfaction, sole remedy shall be at Precision Parts Pty. Ltd. option, repair or replacement. Precision Parts neither assumes nor authorizes any person to assume for it any other liability in connection with this product. Precision Parts Pty. Ltd. shall not be liable under this warranty if examination discloses that the alleged defect in the product does not exist or was caused by the customer's or any third party misuse, neglect, improper installation or unauthorised attempts to repair, or any other cause beyond the range of intended use.

GOODS & SERVICES TAX

All harmonic balancers and pulleys are subject to 10% G.S.T

JOBBING

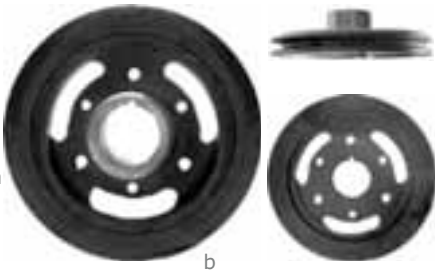
If the harmonic balancer you require is not listed in the following pages it can be reconditioned by using our RAPID REBUILD service. Should you need further details, please contact our
sales and service department.

FREIGHT

Precision Parts Pty. Ltd. will ship consignments over 100 balancers F.I.S within Australia. Freight on all special orders or single units is payable by the customer.

HB1001-N

nose o.d	57
c.bore	38.8
o.width	48
pulley d.	175.5



Timing mark: a...b

HB1003-N

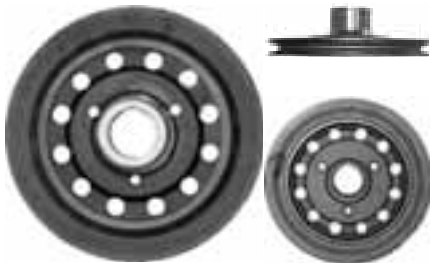
nose o.d	50.9
c.bore	34.1
o.width	43.2
pulley d.	174

HB1004-N

nose o.d	55.6
c.bore	38.8
o.width	65.1
ring d.	180.3

HB1006-N

nose o.d	44.5
c.bore	31.7
o.width	50.1
pulley d.	175.7



HB1007-N

nose o.d	44.5
c.bore	31.7
o.width	64.8
ring d.	174.5

HB1008-N

nose o.d	47.7
c.bore	34.9
o.width	76.5
ring d.	161.5

Undercut pulley location

HB1009-N

nose o.d	47.7
c.bore	34.9
o.width	76.5
ring d.	166

Undercut pulley location

HB1011-N

nose o.d	36.6
c.bore	24
o.width	51.5
pulley d.	120.5

HB1012-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
ring d.	155.4

HB1018-N

nose o.d	59.3
c.bore	40.6
o.width	68.2
ring d.	203

Hub counter weight

HB1019-N

nose o.d	59.3
c.bore	40.6
o.width	68.2
pulley d.	177.6

HB1021-N

nose o.d	44.5
c.bore	31.7
o.width	64.8
ring d.	174.5

HB1023-N

nose o.d	44.8
c.bore	31.6
o.width	33.3
pulley d.	169.8

HB1027-N

nose o.d	44.8
c.bore	31.6
o.width	38.7
pulley d.	171.5

HB1045-N

nose o.d	48
c.bore	35
o.width	55.5
pulley d.	144

HB1046-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
pulley d.	203

HB1047-N

nose o.d	48
c.bore	35
o.width	55.5
pulley d.	96/144

HB1049-N

nose o.d	36.7
c.bore	25.2
o.width	43
pulley d.	145

HB1050-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
pulley d.	203

HB1051-N

nose o.d	45
c.bore	31
o.width	74.3
pulley d.	155

HB1053-N

nose o.d	45
c.bore	31
o.width	97.8
pulley d.	155

HB1056-N

nose o.d	47.5
c.bore	34.9
o.width	80
pulley d.	172.5

HB1057-N

nose o.d	44.5
c.bore	31.7
o.width	90
pulley d.	161.5

HB1060-N

nose o.d	47.7
c.bore	34.9
o.width	104.6
pulley d.	166

Pulley location face raised 21.5

HB1064-N

nose o.d	47.7
c.bore	34.9
o.width	68.1
pulley d.	170

HB1070-N

nose o.d	47.7
c.bore	34.9
o.width	104.5
ring d.	165.3

Pulley location raised 27

HB1073-N

nose o.d	44.5
c.bore	31.7
o.width	90
pulley d.	161.5

HB1074-N

nose o.d	49.2
c.bore	34.9
o.width	85.5
ring d.	179.4

Excitor ring diameter 121
Dimple in line with keyway.
Slide on fit to crank nose.

HB1081-N

nose o.d	44.8
c.bore	31.5
o.width	74.4
ring d.	166.5

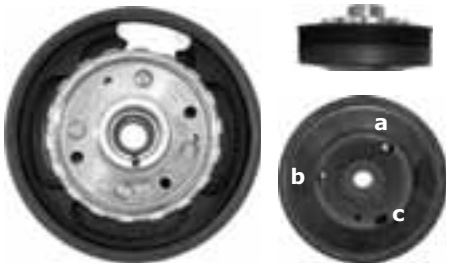
HB1082-N

nose o.d	47.7
c.bore	34.9
o.width	89.1
ring d.	166

Pulley location raised 10

HB1083-N

nose o.d	49.15
c.bore	34.8
o.width	85.8
pulley d.	179.4



Excitor ring diameter 121
Access slots for puller bolts: a...b...c

HB1084-N

nose o.d	47.6
c.bore	34.9
o.width	105
ring d.	162.5

HB1085-N

nose o.d	48 T
c.bore	30
o.width	49
pulley d.	166/ 151

T= tapered

HB1087-N

nose o.d	44.5
c.bore	31
o.width	65
pulley d.	175

Pulley V 13…a
Pulley V 10…b

HB1088-N

nose o.d	48
c.bore	35
o.width	64
pulley d.	143.4

HB1089-N

nose o.d	45
c.bore	31
o.width	97.8
pulley d.	155/ 227

HB1091-N

nose o.d	45
c.bore	31
o.width	58
pulley d.	136.6/ 151.5

HB1092-N

nose o.d	50
c.bore	34.5
o.width	55.5
pulley d.	152.0

HB1097-N

nose o.d	40
c.bore	27
o.width	30.8
pulley d.	146.5

HB1098-N

nose o.d	47.7
c.bore	34.9
o.width	104.6
pulley d.	161.5

Pulley location raised 27

HB1102-N

nose o.d	59.3
c.bore	40.6
o.width	80
pulley d.	203

HB1103-N

nose o.d	42
c.bore	28
o.width	135
pulley d.	152

HB1105-N

nose o.d	44.8
c.bore	31.6
o.width	70.6
pulley d.	156

HB1108-N

nose o.d	55.6
c.bore	38.8
o.width	64.5
pulley d.	180.3

HB1111-N

nose o.d	50.7
c.bore	34.9
o.width	37.4
pulley d.	177.7

HB1112-N

nose o.d	55.6
c.bore	38.8
o.width	46
pulley d.	180.3

HB1113-N

nose o.d	57.2
c.bore	35.5
o.width	77.6
pulley d.	156.8

HB1116-N

nose o.d	47.7
c.bore	31.7
o.width	59
pulley d.	179

HB1117-N

nose o.d	54.1
c.bore	37.6
o.width	71.8
pulley d.	191/ 184.2

HB1119-N

nose o.d	38
c.bore	27
o.width	44.3
pulley d.	148.2

HB1129-N

nose o.d	56.5
c.bore	30
o.width	51.3
pulley d.	156/ 146

HB1130-N

nose o.d	56.5
c.bore	30
o.width	48
pulley d.	154/ 144

HB1131-N

nose o.d	58
c.bore	42
o.width	79.5
pulley d.	176.5

HB1132-N

nose o.d	50.1
c.bore	36
o.width	74.4
pulleyd.	176.3

HB1133-N

nose o.d	45
c.bore	31
o.width	78.2
pulley d.	147/ 157

HB1134-N

nose o.d	38
c.bore	25
o.width	46
pulley d.	135

HB1135-N

nose o.d	50
c.bore	32
o.width	79.5
pulley d.	145

HB1136-N

nose o.d	50
c.bore	32
o.width	63.5
pulley d.	145

HB1137-N

nose o.d	45.3 T
c.bore	32
o.width	94
pulley d.	148/ 136

T= tapered

HB1138-N

nose o.d	40
c.bore	27
o.width	49.7
pulley d.	156/ 129

HB1139-N

nose o.d	40
c.bore	27
o.width	46.2
pulley d.	156/ 129.2

HB1140-N

nose o.d	40
c.bore	27
o.width	49.8
pulley d.	134.4/ 163

HB1145-N

nose o.d	38
c.bore	25
o.width	41.1
pulley d.	134.7

HB1146-N

nose o.d	47
c.bore	35
o.width	70.8
pulley d.	159

HB1153-N

nose o.d	37
c.bore	25
o.width	48.6
pulley d.	135

HB1154-N

nose o.d	45T
c.bore	32
o.width	72
pulley d.	147

T= Tapered

HB1155-N

nose o.d	n/a
c.bore	28
o.width	35.5
pulley d.	131.6

HB1156-N

nose o.d	n/a
c.bore	42
o.width	53.4
pulley d.	136/ 152

HB1157-N

nose o.d	44.4
c.bore	31.7
o.width	51
pulley d.	174

HB1158-N

nose o.d	59.3
c.bore	40.65
o.width	59.5
pulley d.	171

HB1163-N

nose o.d	n/a
c.bore	32
o.width	38
pulley d.	134

HB1164-N

nose o.d	n/a
c.bore	24
o.width	48.8
pulley d.	133

HB1165-N

nose o.d	n/a
c.bore	24
o.width	49
pulley d.	133

HB1165-N has weight ring

HB1200-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
ring d.	171.3

HB1201-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
ring d.	203

HB1202-N

nose o.d	47.7
c.bore	34.9
o.width	80.5
ring d.	161.5

Raised pulley locator

HB1203-N

nose o.d	47.7
c.bore	34.9
o.width	80.5
ring d.	166

Raised pulley locator

HB1205-N

nose o.d	47.7
c.bore	34.9
o.width	89
ring d.	161.5

Pulley location raised 14

HB1206-N

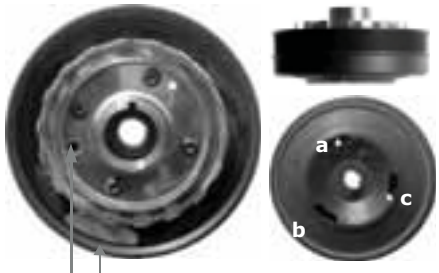
nose o.d	42
c.bore	29
o.width	56.5
ring d.	145

Four Poly V grooves

HB1207-N

nose o.d	49.1
c.bore	34.9
o.width	85.5
ring d.	179.4

Gap of 12
Excitor ring diameter 130
Hammer head counterweight
Access slots for puller bolts:a...b...c



HB1208-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
ring d.	156

HB1209-N

nose o.d	46
c.bore	33
o.width	66.5
pulley d.	143.5

HB1210-N

nose o.d	52 T
c.bore	34.9
o.width	60.5
ring d.	169

T= tapered

HB1211-N

nose o.d	59.5
c.bore	40.6
o.width	68.2
ring d.	203

HB1212-N

nose o.d	48
c.bore	35
o.width	59.2
pulley d.	149.1/ 159.3

HB1213-N

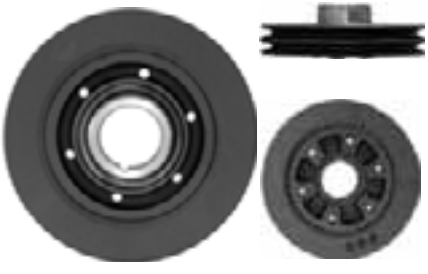
nose o.d	48
c.bore	35
o.width	51
pulley d.	96/133 /144

HB1214-N

nose o.d	47.6
c.bore	34.9
o.width	104.7
ring d.	162.5

HB1218-N

nose o.d	58
c.bore	42
o.width	55.7
pulley d.	176.5



HB1220-N

nose o.d	45
c.bore	31
o.width	84
pulley d.	155/ 169.3

HB1221-N

nose o.d	58
c.bore	42
o.width	60
pulley d.	176.5

HB1222-N

nose o.d	45 T
c.bore	30
o.width	66
pulley d.	121/ 151.4

T= tapered

HB1223-N

nose o.d	50
c.bore	34.5
o.width	100
pulley d.	152/ 164/ 183.4

HB1231-N

nose o.d	47
c.bore	31
o.width	55
ring d.	112/ 145

HB1232-N

nose o.d	43.2
c.bore	31
o.width	52.5
pulley d.	100/ 145

HB1233-N

nose o.d	43
c.bore	31
o.width	52.5
pulley d.	95/ 145

HB1234-N

nose o.d	43.2
c.bore	31
o.width	52.5
pulley d.	100/ 145

HB1235-N

nose o.d	49
c.bore	30
o.width	67.2
pulley d.	118/ 162

HB1237-N

nose o.d	49.1
c.bore	34.8
o.width	84.4
pulley d.	179.5

Excitor ring diameter 130
Half moon counterweight
Access slots for puller bolts:a...b...c

HB1242-N

nose o.d	58
c.bore	43
o.width	111.5
pulley d.	148

Tapered 50% of bore

HB1243-N

nose o.d	58
c.bore	43
o.width	101.5
pulley d.	148

Tapered 50% of bore

HB1244-N

nose o.d	42
c.bore	29
o.width	56.5
pulley d.	145

Five poly V grooves

HB1245-N

nose o.d	50
c.bore	34.5
o.width	55.5
pulley d.	152

HB1245-N has two timing marks

HB1246-N

nose o.d	58
c.bore	43
o.width	116.5
pulley d.	148

Tapered 50% of bore

HB1256-N

nose o.d	48
c.bore	32.8
o.width	59.3
pulley d.	145

Five poly V grooves
Drive flats

HB1260-N

nose o.d	n/a
c.bore	40.1
o.width	41.2
pulley d.	151/ 158

HB1262-N

nose o.d	n/a
c.bore	44.1
o.width	45.5
pulley d.	152/ 155

HB1263-N

nose o.d	n/a
c.bore	32.1
o.width	34
pulley d.	150

HB1265-N

nose o.d	n/a
c.bore	40
o.width	35.1
pulley d.	143.5

HB1266-N

nose o.d	n/a
c.bore	30
o.width	54
pulley d.	154/ 163

HB1268-N

nose o.d	47
c.bore	35
o.width	49
pulley d.	172

HB1269-N

nose o.d	47
c.bore	35
o.width	46.5
pulley d.	172

HB1270-N

nose o.d	73
c.bore	52-15
o.width	89
pulley d.	144/ 156

HB1271-N

nose o.d	50
c.bore	36
o.width	63
pulley d.	144/ 154

HB1272-N

nose o.d	n/a
c.bore	40
o.width	35
pulley d.	155.5/ 153.5

HB1283-N

nose o.d	44.5
c.bore	31.7
o.width	74
pulley d.	174

HB1290-N

nose o.d	37
c.bore	25
o.width	50.8
pulley d.	132/ 135

HB1291-N

nose o.d	37
c.bore	25
o.width	55
pulley d.	135

HB1292-N

nose o.d	58
c.bore	43
o.width	90
pulley d.	148

HB1298-N

nose o.d	58
c.bore	43
o.width	92.5
pulley d.	144/ 175

HB1299-N

nose o.d	58
c.bore	43
o.width	102
pulley d.	148.2/ 171.2

HB1306-N

nose o.d	n/a
c.bore	n/a
o.width	n/a
pulley d.	n/a

HB1310-N

nose o.d	n/a
c.bore	44.1
o.width	45
pulley d.	162/ 155

HB1312-N

nose o.d	40
c.bore	27
o.width	62
pulley d.	151.5

HB1313-N

nose o.d	46
c.bore	30
o.width	45.7
pulley d.	116.8/ 162

HB1324-N

nose o.d	43.2
c.bore	31
o.width	52.5
pulley d.	145/ 100

HB1327-N

nose o.d	48
c.bore	35
o.width	44.5
pulley d.	136/ 150

HB1328-N

nose o.d	48
c.bore	35
o.width	56.5
pulley d.	136/ 150

HB1329-N

nose o.d	48
c.bore	35
o.width	36
pulley d.	160

HB1329-N has excitor plate

HB1331-N

nose o.d	48
c.bore	35
o.width	54.5
pulley d.	142/ 157

HB1331-N has excitor plate

HB1333-N

nose o.d	48
c.bore	35
o.width	54.5
pulley d.	142/ 157

HB1334-N

nose o.d	48
c.bore	35
o.width	54.5
pulley d.	142/ 157

HB1334-N has excitor plate

HB1335-N

nose o.d	48
c.bore	35
o.width	46.5
pulley d.	160

HB1336-N

nose o.d	48.7
c.bore	34.9
o.width	77
pulley d.	176

HB1337-N

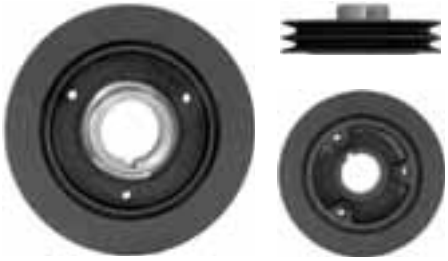
nose o.d	49
c.bore	34.9
o.width	127
pulley d.	154

HB1338-N

nose o.d	48
c.bore	35
o.width	67.5
pulley d.	136/ 150

HB1339-N

nose o.d	48
c.bore	35
o.width	44.5
pulley d.	143.5



HB1340-N

nose o.d	n/a
c.bore	23
o.width	33.3
pulley d.	156.4

HB1341-N

nose o.d	n/a
c.bore	23
o.width	33.2
pulley d.	149.4

HB1342-N

nose o.d	48
c.bore	35
o.width	47.3
pulley d.	151.8

HB1400-N

nose o.d	47.7 T
c.bore	32
o.width	55.6
pulley d.	154.0

T= tapered

HB1402-N

nose o.d	37
c.bore	25
o.width	48.6
pulley d.	130/ 135

HB1410-N

nose o.d	n/a
c.bore	32.1
o.width	34
pulley d.	150

HB1411-N

nose o.d	n/a
c.bore	30
o.width	97
pulley d.	117/ 142/ 154

HB1417-N

nose o.d	37
c.bore	25
o.width	50.7
pulley d.	135

HB1418-N

nose o.d	46
c.bore	33
o.width	49.6
pulleyd.	166.2

Raised pulley location

HB1424-N

nose o.d	48
c.bore	35
o.width	55.5
pulley d.	136/ 150

HB1425-N

nose o.d	48
c.bore	35
o.width	54.5
pulley d.	136/ 150

HB1425-N has excitor plate

HB1427-N

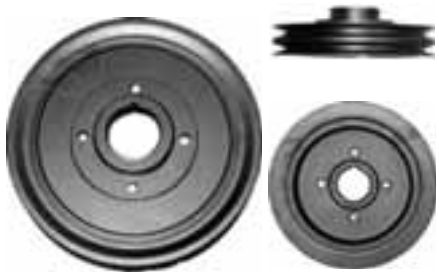
nose o.d	n/a
c.bore	40
o.width	37
pulley d.	153/ 162

HB1432-N

nose o.d	44.5
c.bore	31.7
o.width	74
pulley d.	174

HB1433-N

nose o.d	53
c.bore	35
o.width	51
ring d.	172.6



HB1434-N

nose o.d	49.1
c.bore	34.8
o.width	92.5
pulley d.	179.5

Excitor ring diameter 130
Half moon counterweight

HB1435-N

nose o.d	57.2
c.bore	35.5
o.width	56.5
pulley d.	156.5

HB1439-N

nose o.d	45.2
c.bore	28.5
o.width	47.5
pulley d.	170.6

HB1447-N

nose o.d	44.8
c.bore	31.6
o.width	47
pulley d.	170.5

Back bore of HB1447-N is 48

HB1448-N

nose o.d	44.8
c.bore	31.6
o.width	47
pulley d.	170.5

Back bore of HB1448-N is 36.3

HB1449-N

nose o.d	44.8
c.bore	31.6
o.width	59.8
pulley d.	171.3

HB1451-N

nose o.d	59.3
c.bore	40.6
o.width	68.2
pulley d.	203

Hub counterweight
Recess ring counterweight

HB1455-N

nose o.d	48 T
c.bore	30
o.width	44.6
pulley d.	134/ 144

T= tapered

HB1456-N

nose o.d	n/a
c.bore	32.1
o.width	34
pulley d.	150

HB1457-N

nose o.d	43 T
c.bore	24
o.width	51.3
pulley d.	134.3/ 149.7

T= tapered

HB1458-N

nose o.d	43 T
c.bore	24
o.width	45.8
pulley d.	138

T= tapered

HB1459-N

nose o.d	n/a
c.bore	44.1
o.width	45.5
pulley d.	162/ 155

HB1460-N

nose o.d	n/a
c.bore	30
o.width	52.5
pulley d.	154/ 162

HB1461-N

nose o.d	49.1
c.bore	34.8
o.width	92.5
pulley d.	182.1

Excitor ring diameter 130
Half moon counterweight

HB1462-N

nose o.d	44.5
c.bore	31.7
o.width	73.8
pulley d.	174

HB1462-N has excitor ring

HB1463-N

nose o.d	47.7
c.bore	34.9
o.width	113.5
pulley d.	153.5

HB1463-N has excitor ring

HB1465-N

nose o.d	n/a
c.bore	43.1
o.width	46.7
pulley d.	137/ 156

HB1468-N

nose o.d	48
c.bore	31
o.width	53
pulley d.	141/ 157

HB1469-N

nose o.d	n/a
c.bore	32.1
o.width	34
pulley d.	150

HB1470-N

nose o.d	n/a
c.bore	44.1
o.width	46.5
pulley d.	132/ 156

HB1471-N

nose o.d	n/a
c.bore	52
o.width	52.5
pulley d.	105/ 156

HB1472-N

nose o.d	n/a
c.bore	42
o.width	37.2
pulley d.	166

HB1478-N

nose o.d	44.4
c.bore	31.7
o.width	45.5
pulley d.	173

HB1480-N

nose o.d	54.1
c.bore	37.6
o.width	93
pulley d.	191/ 183.9

HB1481-N

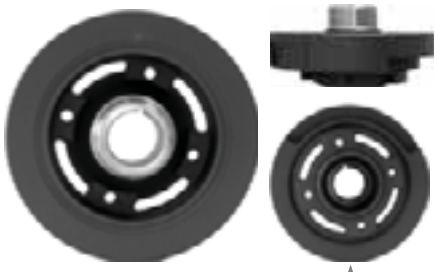
nose o.d	n/a
c.bore	41.35
o.width	34
pulley d.	191

HB1482-N

nose o.d	45.2
c.bore	28.5
o.width	54.3
pulley d.	170.5

HB1483-N

nose o.d	50.9
c.bore	34.5
o.width	82
pulley d.	171



Counterweight ring

HB1488-N

nose o.d	47.7
c.bore	31.7
o.width	82.7
pulley d.	145

HB1488-N has excitor ring

HB1490-N

nose o.d	59.3
c.bore	40.6
o.width	62
pulley d.	203

HB1491-N

nose o.d	63.5
c.bore	44.1
o.width	85
pulley d.	180

HB1492-N

nose o.d	63.6
c.bore	44.2
o.width	69.5
pulley d.	181

HB1498-N

nose o.d	72
c.bore	32
o.width	54
pulley d.	149.7/ 134.3

HB1499-N

nose o.d	78
c.bore	32
o.width	54
pulley d.	149.7/ 134.3

HB1633-N

nose o.d	83.7 T
c.bore	55.8 T
o.width	103.3
pulley d.	192.1

T= tapered

HB17A-N

nose o.d	44.8
c.bore	28.4
o.width	30.3
ring d.	152.5

HB17B-N

nose o.d	36.7
c.bore	25.2
o.width	43
ring d.	144

HB2221-N

nose o.d	44.8
c.bore	31.6
o.width	59.5
ring d.	171.5

HB4221-N

nose o.d	44.8
c.bore	28.4
o.width	30.3
ring d.	n/a

HB6312-N

nose o.d	44.5
c.bore	31.7
o.width	45
pulley d.	149

HB876-N

nose o.d	44.8
c.bore	28.5
o.width	29
ring d.	152

HB9752-N

nose o.d	44.8
c.bore	28.4
o.width	30.3
pulley d.	152.5