



NES 337 O Rings



ISO 3601-3 (BS6442) GRADE 'S'

BS EN ISO9001:2000

AS9100 Rev B

HIGH PERFORMANCE NES 337 O RINGS FOR SURFACE SHIPS AND SUBMARINES



BARNWELL

THE SEAL OF APPROVAL

QUALITY AND SERVICE GUARANTEED

Total Sealing Solutions

Founded in 1972, M Barnwell Services is a family business and prides itself on providing expert industry knowledge, technical expertise, products and services to over 5000 customers globally – quickly and reliably. Our range of fluid sealing products include O Rings, Oil Seals / Rotary Shaft Seals, Gaskets, Fasteners, Sealing Kits, Special Rubber Mouldings, Mechanical Seals, Hydraulic and Pneumatic Seals and many more.

We aim to work in partnership with you to reduce your supplier base, inventory and long-term costs. Applying our unique product knowledge to your specific needs, we will always offer the right sealing solution for your industry and application.

M Barnwell Services range of services include:

- ❖ Stocking/Supplying a vast and diverse product range – £3 million inventory
- ❖ An efficient logistical capability offering International coverage
- ❖ Industry leading bespoke Branding and Packaging technology
- ❖ Full documentation service and manufacturer guarantees
- ❖ Strategic partnerships with large Blue Chip customers and leading worldwide brands
- ❖ Seal Maker and Clean Room services that are tailor-made to the customer's needs
- ❖ A dedicated Export Department – providing sealing solutions to over 60 countries

NES 337 O RINGS SUMMARY



M Barnwell Services Ltd is a leading stockist and distributor of high performance elastomer O Rings for critical sealing applications.

Several elastomer materials from M Barnwell Services have been accepted for use worldwide by the UK Ministry of Defence under Defence Standard 02-337 (NES 337). This standard defines elastomeric toroidal (O Ring) seals used on Surface Ships and Submarines and their associated systems and equipment.

M Barnwell Services offers the complete range of medium and high ACN nitrile (NBR) and fluorocarbon (FKM) elastomer materials to meet the requirements of this specification. In addition, M Barnwell Services has also developed a range of hydrogenated nitrile (HNBR) elastomer materials which are now being used on high pressure air systems due to their improved service life.

Benefits of using M Barnwell Services include:

- ✦ The shortest lead times available for NES approved parts - typically 2 weeks
- ✦ All O Rings are made to order ensuring a new cure date
- ✦ No tooling charges for BS1806 and BS4518 standard sizes
- ✦ All O Rings manufactured are inspected to ISO 3601-3 (BS6442) Grade 'S'
- ✦ Our supply partners are accredited to quality standard BS EN ISO9001:2000 and aerospace quality standard AS9100 Rev B

Medium ACN Nitrile (NBR)			
Material Code	Our Code	NATO Stock No.	
MN60	MBMS0483	5331 99 770	5000-5097
MN70	MBMS0407	5331 8	9701
		5331 99 255	4630
		5331 99 255	7702
		5331 99 325	2262
		5331 99 352	6580
		5331 99 441	9938
		5331 99 560	6792
		5331 99 700	8288
		5331 99 701	2571
		5331 99 732	3763
		5331 99 769	9854
		5331 99 770	5098-5296
		5331 99 770	5965-6128
		5331 99 780	8016
		5331 99 785	0439
		MN80	MBMS0818
5331 99 888	8620		
5331 99 894	0349		
5331 99 250	7496		
5331 99 250	7497		
5331 99 251	4723		
5331 99 277	5835		
5331 99 420	5528		
5331 99 641	4028		
5331 99 700	4878		
MN90	MBMS0842	5331 99 770	5297-5460
		5331 99 782	1909
		5331 99 793	8760
		5331 99 809	4226
		5331 99 062	5665
		5331 99 299	9236
		5331 99 529	0847
MN90	MBMS0842	5331 99 577	2196
		5331 99 770	546-5573
		5331 99 831	2424

High ACN Nitrile (NBR)			
Material Code	Our Code	NATO Stock No.	
HN60	MBMS0843	5331 99 770	5571-5640
HN70	MBMS0787	5331 99 547	6289
		5331 99 770	5641-5734
		5331 99 777	1487
		5331 99 777	1489-1490
		5331 99 777	1502
		5331 99 777	1510
		5331 99 777	1526-1527
		5331 99 794	2298
HN90	MBMS0844	5331 99 126	9489
		5331 99 282	7316
		5331 99 300	2594
		5331 99 398	6622
		5331 99 547	7777
		5331 99 770	5735-5791
		5331 99 777	1503

Hydrogenated Nitrile (HNBR)	
Our Code	Hardness (IRHD)
MBMS0845	70
MBMS0846	80
MBMS0282	90





Fluorocarbon (FKM)				Fluorocarbon (FKM) continued...			
Material Code	Our Code	NATO Stock No.		Material Code	Our Code	NATO Stock No.	
FC70	MBMS0363	5331 99 051	7439	FC70	MBMS0363	5331 99 701	7230
		5331 99 051	8562			5331 99 701	8376
		5331 99 052	0375			5331 99 701	8823
		5331 99 096	1840			5331 99 702	0957
		5331 99 126	2628			5331 99 702	2531
		5331 99 126	6881			5331 99 728	3539
		5331 99 131	0968			5331 99 732	1350
		5331 99 168	8622			5331 99 732	1352-1355
		5331 99 212	6006			5331 99 732	1371-1372
		5331 99 215	1771			5331 99 732	1377
		5331 99 255	9596-9597			5331 99 732	1381-1382
		5331 99 256	1660			5331 99 732	1385
		5331 99 257	2974			5331 99 732	1391
		5331 99 257	2976			5331 99 732	1394
		5331 99 301	1061			5331 99 732	1402
		5331 99 301	8877			5331 99 743	2588
		5331 99 327	8009			5331 99 744	8259
		5331 99 350	5361			5331 99 753	0465
		5331 99 363	2525			5331 99 770	5792-5964
		5331 99 364	0036			5331 99 770	6129-6136
		5331 99 400	1528			5331 90 772	8483
		5331 99 406	3518			5331 99 772	8504
		5331 99 406	7428			5331 99 772	8508
		5331 99 416	5740			5331 99 772	8510-8517
		5331 99 462	3793			5331 99 773	5649
		5331 99 500	6222			5331 99 777	1498
		5331 99 513	7071			5331 99 781	6315
		5331 99 517	3594			5331 99 795	2569
		5331 99 535	7304			5331 99 803	6412
		5331 99 535	7644			5331 99 810	5703
		5331 99 535	8524			5331 99 820	9252
		5331 99 549	1946			5331 99 830	8676
		5331 99 567	0572			5331 99 842	1878
		5331 99 570	6322			5331 99 861	0082
		5331 99 598	5810			5331 99 870	5627
		5331 99 598	7411			5331 99 902	1301
		5331 99 605	7779			5331 99 922	3693
		5331 99 641	8941			5331 99 930	7669
		5331 99 648	0425			5331 99 944	0645
		5331 99 660	7589			5331 99 951	8542
5331 99 663	4533	5331 99 968	0738				



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£3 MILLION INVENTORY

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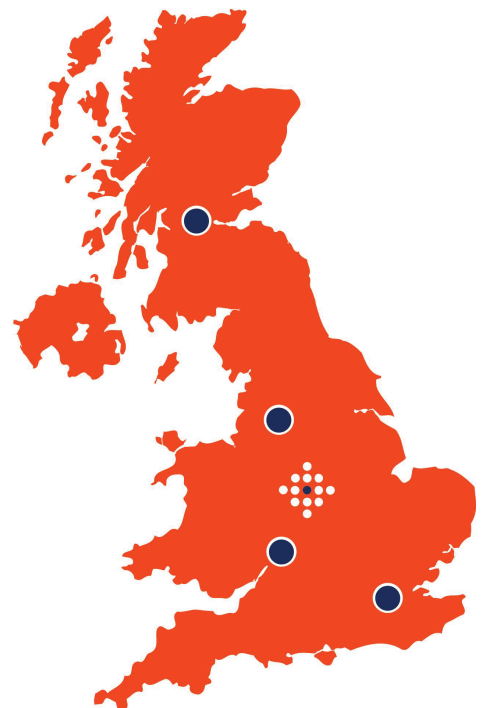
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