

# **ANTHONY BEARINGS**

Winning Partnerships

ANNIVERSARY EDITION 1951-2001

www.abearings.com.au

# (f) WELCOME

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Anthony Bearings are proud to publish this product catalogue - the perfect guide for any manufacturer, distributor or DIY handyman. This catalogue provides you with over 250 products and aims to keep you in touch with current and new designs.

### **SETTING THE PRECEDENT**

Right from the start, Anthony Bearings intentions were clear, success through innovation. The company's early vision was to manufacture unground bearings from pressed and steel components. This expanded later on as the company embraced new plastics technology and began moulding components. Through the years this earned Anthony Bearings applause and recognition for advances in bearing technology.

# NEVER LOSING SIGHT

Throughout this history, and entrenched in Anthony Bearings today, is a true sense of loyalty to the original plan to design, market and manufacture quality through excellence. Much of the company's success comes from its ability to never lose sight of this aim.

As we grow we recognise the need for continuous improvement and change. More than ever we are committed to satisfying the needs of both Australian and overseas customers while expanding locally and developing new export markets.

Anthony Bearings looks forward to steadily improving on our present position of strength and worldwide reputation.

### **MANUFACTURING PRIDE**

At Anthony Bearings, we are challenged by problems and are in the business of providing solutions.

As well as specific high quality high volume applications we are leading the low volume highly specialised replacement market with our innovative design approach.

The design service has been created to custom manufacture products to suit specific applications and requirements.

Anthony Bearings are an extremely flexible and pro active company. We believe that through excellence of service, quality, flexibility, as well as innovation in design, we can maintain and grow our business into the future.

We look forward with confidence and a great deal of anticipation to the future.

### **AVAILABILITY**

Our large range of manufactured products are often specific to customer requirements and as a result are not all stocked items. In order to assist you we have given all products an availability rating.

\* POOR

\*\* FAIR

\*\*\* GOOD

\*\*\*\* VERY GOOD

\*\*\*\*\* EXCELLENT

This rating system will be a guide as to the probability of the product being available.

For pricing or any other information please do not hesitate to contact our trained sales personnel who are willing and able to assist.

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### Materials:

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Turned components are manufactured from mild steel, brass, aluminium and stainless steel bar. Pressed components are manufactured from mild steel, stainless steel and aluminium sheet. The majority of plastic components are moulded from acetal resin, although a variety of engineering grade plastics are incorporated throughout the range. Balls used in our products are precision ground and manufactured from chrome steel, carbon steel and stainless steel. Ball retainers are manufactured from nylon or zinc plated spring steel.

### **Heat Treatment:**

All steel components with ball contact are case hardened to a controlled depth and hardness ensuring high wear resistance and maximum life expectancy.

#### Finish

The standard surface finish is that of bright mild steel. Where corrosion resistance is required, bearings are supplied zinc plated.

### Lubrication:

Bearings are supplied coated with rust inhibiting oil or grease packed where specified. All sealed bearings are grease packed. Proper lubrication will prolong the bearing life expectancy.

#### Dimensions:

All dimensions shown in this catalogue are in millimetres unless otherwise stated. These dimensions are basic sizes only and have been rounded to the nearest 0.1mm. Where fitting dimensions are of a critical nature, please consult our Sales Department.

### Operating Temperature:

The minimum and maximum operating temperatures for Anthony Unground Bearings varies according to bearing design. While the majority of bearings of all steel construction are able to operate between minus 30°C and 180°C, it is necessary to maintain suitable lubrication to ensure proper bearing function. Any bearings incorporating plastic components can operate down to minus 30°C but should not be operated above 80°C. Please contact our Sales Department if in doubt.

### Load Rating:

The load ratings listed in the catalogue are based on applications where loads and speeds remain constant under perfect operating conditions. In actual practice, this is rarely the case, so that when selecting a suitable bearing, a safety margin should be allowed. If in doubt about the selection of a bearing, we suggest you consult our Sales Department. Except in cases where loads are extremely light, the working speed of an unground bearing should not exceed 1,000 r.p.m. The load rating decreases as the speed is increased, and the life of the bearing is considerably shortened if it is overloaded or run at excessive speeds. If shock loads are anticipated, a bearing with a higher load rating should be used.

In angular contact bearings, the thrust load rating is equal to the radial load rating. For load ratings of Anthony Unground Bearings at other speeds, multiply the rating at 200 r.p.m by the following factors.

)	Speed	Factor	Speed	Factor
	50 r.p.m	2.0	400 r.p.m	8.0
_	100 r.p.m	1.3	500 r.p.m	0.7
	300 r.p.m	0.9	600 r.p.m	0.6

These speed factors do not apply to bearings incorporating the use of either plastic components with ball contact or a plastic tyre serving as a running surface. These bearings are rated at their maximum capacity and should not be operated above 350 r.p.m.

# Minimum Order Quantity:

Minimum order quantities may apply where an item is not available ex-stock or a variation of a standard product is required. Some products illustrated within this catalogue apply to minimum order quantities. Where non standard bearings are ordered, it should be understood that the purchaser accepts the overrun or underrun to a maximum of 5%.

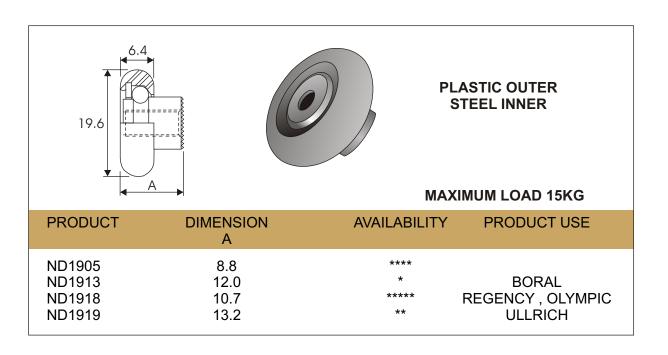
# Precaution:

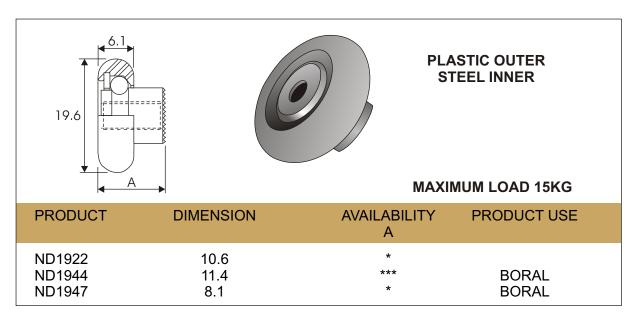
During storage, bearings should be kept clean and in sealed containers. When fitting the bearing, always press the inner race onto the shaft and the outer race into the housing. **Never** transmit pressure through the balls when fitting the bearing.

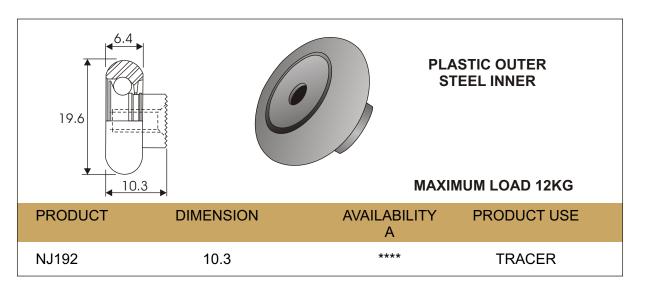
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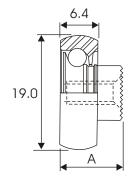
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Product	Page	Product	Page	Product	Page	Product	Page	×
A3210ND A3211ND A323ND	24 24 24	N2472N N2473N N2474N	20 20 20	ND1925 ND1944 ND1947	7 6 6	S324BD S324ND S327ND	24 24 24	
A324ND	24	N2475N	20	ND2001	7	S328ND	24	Ш
A325ND	24	N2476SJ	20	ND2302	8	S329ND	24	
A327ND	24	N247N	20	ND2801	23	S32ND	24	
A328ND	24	N2491N	20	ND2901	22	S358NA	24	
A329ND	24	N249N	20	ND2903	22	S35BD	10	
A32ND	24	N24SGA	18	ND3200	21	S4301NA	26	
KF3200	20	N253NS	19	ND3201	21	SF3105	22	
N1203N	14	N256NS	19	ND3604	21	SF3208	21	
N1205N	14	N25SGL	19	ND3606	21	SJ1901	8 7	Z
N1303N N1304N	14 15	N301SND N314NF	13 13	ND3607 ND3701	21 21	SJ1902 SJ1903	7	
N1304N	15	N315NF	13	ND3701	21	SJ1904	8	
N1311N	14	N316NF	13	NE3802	23	SJ1907	7	
N1312N	14	N3200	20	NE3804	23	SJ1909	7	_
N1314N	14	N3204SF	13	NE3809	23	SJ2101	9	
N1318N	15	N3209SF	13	NE381	22	SJ2401	9 9	
N1401N	14	N3211ND	12	NE3810	22	SJ2403	9	
N1402N	15	N324SF	13	NE3818	27	SJ2404	9	
N1403N	15	N326ND	12	NE382	27	SJ2409	9	
N1405N	15	N361SF	12	NE385	27	SS254NS	10	
N1408NL N1408SGL	14 14	N362SF N364ND	12 25	NE4302 NJ192	21	SS25SGA SS32ND	10 10	
N14083GL N1409N	15	N4000NR	26 26	NJ192 NJ195	6	SS35NA	10	
N1501N	14	N4001NR	26	NJ196	8 7	SS35SGA	10	
N1502N	15	N4002NR	25	NJ197	7	000000A	10	
N1503N	15	N4005NR	26	NJ198	7			<b>—</b>
N1602N	16	N4006NR	25	NJ199	7			
N1602NL	15	N4007NR	26	NK3102	22			
N1603N	15	N4008NR	25	NL1601	21			
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N1609N N1611N	16 16	N5002SF N5003SF	11 11	NS2505 NS2553	21 21			
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N2403SJ	19	NB3202	22	NY251	27			
N2404SJ N242N	18 20	NB3206 NB3214	22 22	NY255 NY256	27 27			
N243SJ	20	NB3218	22	NY257	27 27			0
N244SJ	20	ND1905	6	S20NDS	10			
N2466N	20	ND1906	8	S3213NA	24			
N2466SJ	20	ND1908	7	S3213ND	24			
N2467N	20	ND1913	6	S3218BD	24			$\mathbf{\alpha}$
N2467SJ	20	ND1918	6	S321ND	24			
N2469N	20	ND1919	6	S3225NA	24			
N246N	20	ND1921	7	S3225ND	24			
N2470N	20	ND1922	6	S3227ND	24			Ω
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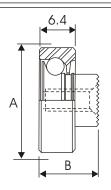




# PLASTIC OUTER PLASTIC INNER

# **MAXIMUM LOAD 12KG**

PRODUCT	DIMENSION A	AVAILABILITY	PRODUCT USE
SJ1902	12.0	****	ULLRICH, BORAL
SJ1903	9.7	**	
SJ1907	13.7	*	ULLRICH
SJ1909	8.4		STEGBAR

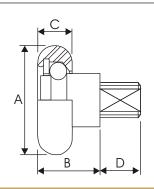




# PLASTIC OUTER STEEL INNER

# **MAXIMUM LOAD 12KG**

PRODUCT	DIMEN: A	SION B	AVAILABILITY	PRODUCT USE
NJ196	18.4	9.2	****	BORAL, STEGBAR
NJ197	19.1	10.5	****	BORAL
NJ198	18.4	11.1	*	BORAL
NJ199	18.4	9.2	****	DIAS

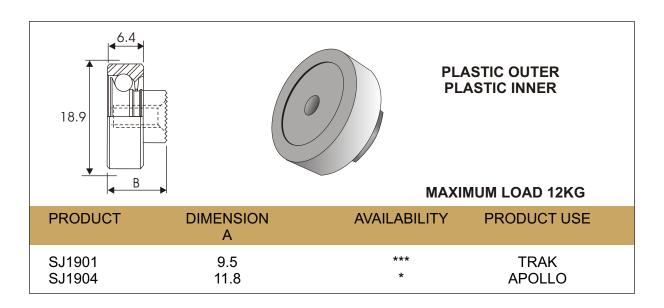


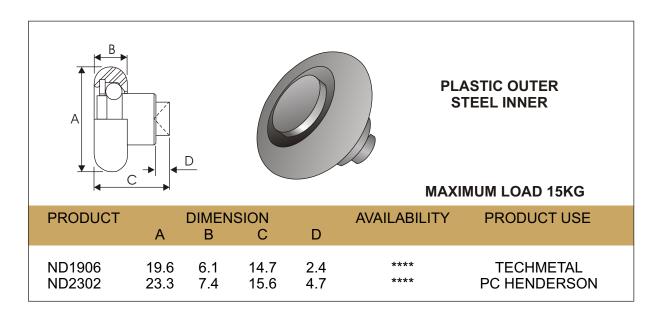


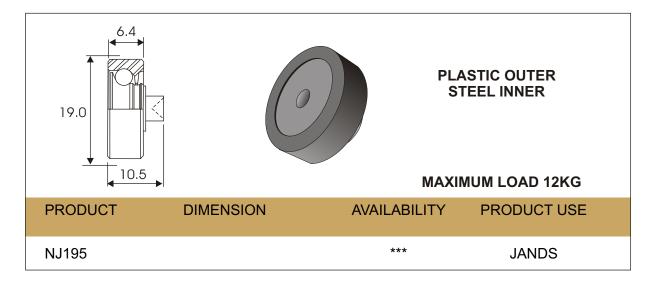
# PLASTIC OUTER STEEL INNER

# **MAXIMUM LOAD 15KG**

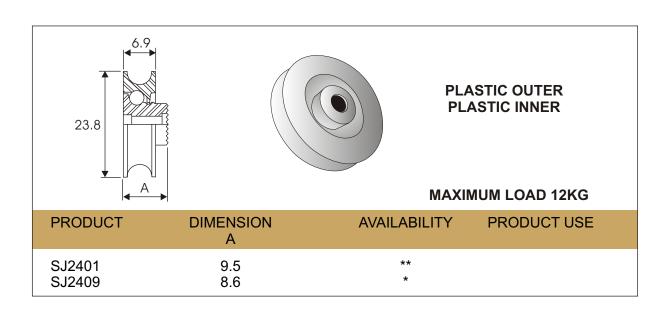
PRODUCT	Α	DIME B	NSION C	D	AVAILABILITY	PRODUCT USE
ND1908	19.6	9.0	6.4	6.6	****	BORAL, STEGBAR
ND1921	19.6	18.0	6.1	9.5	***	BORAL
ND1925	19.6	18.0	6.1	9.8	*	BORAL
ND2001	20.2	9.9	6.4	7.0	*	TRAK

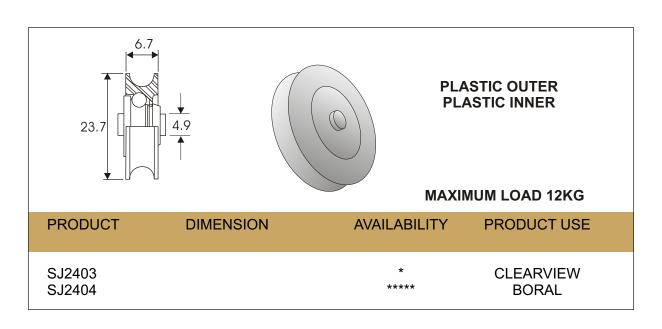


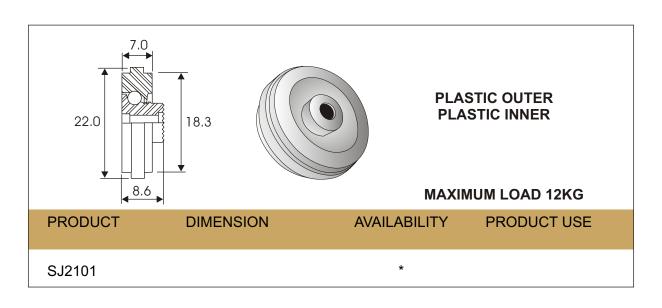


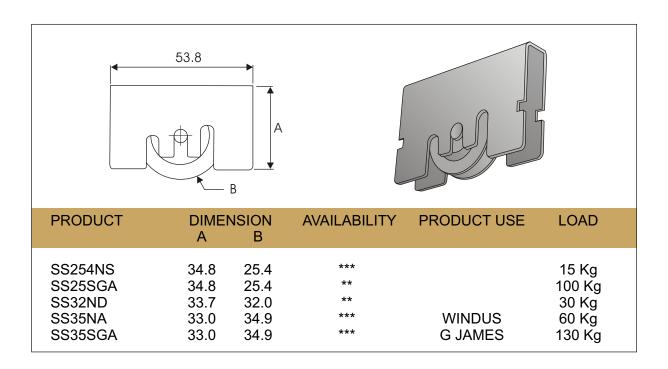


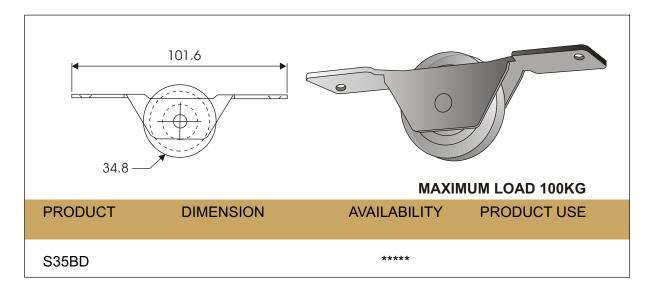
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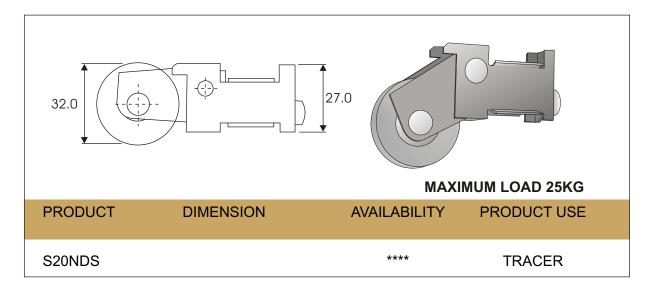


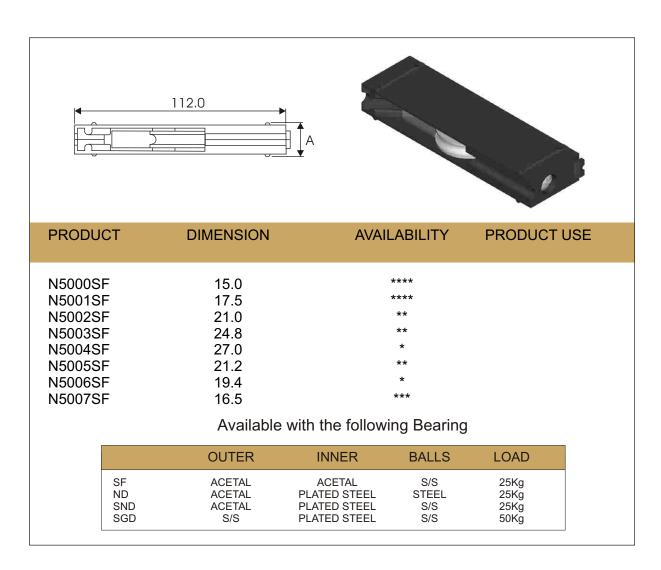


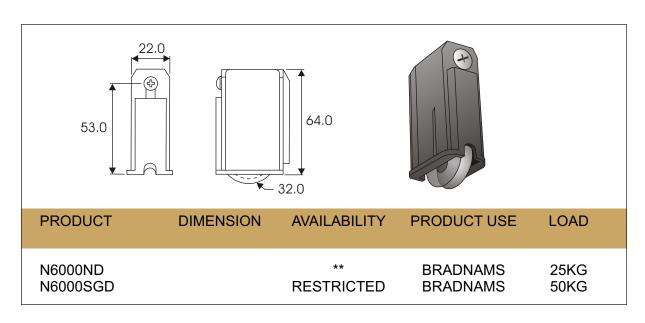


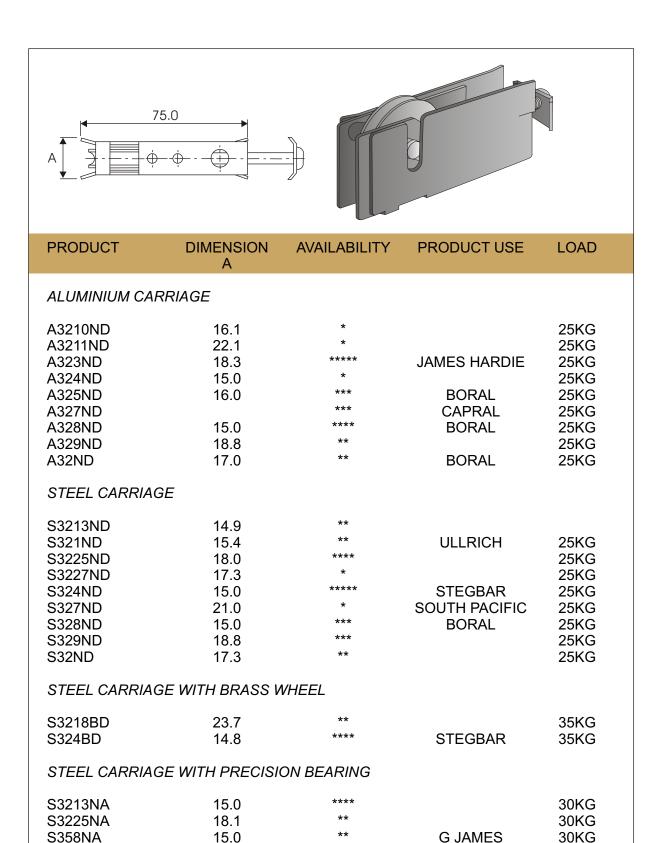






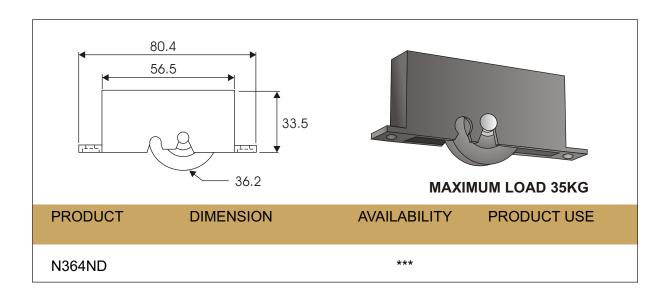


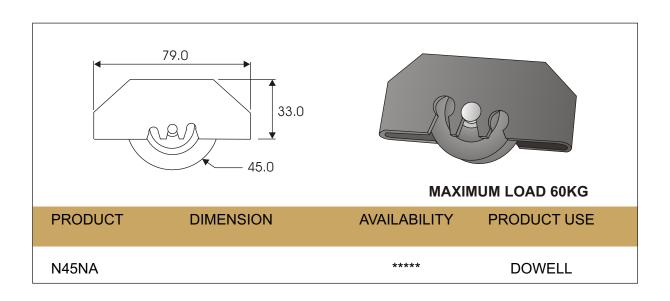


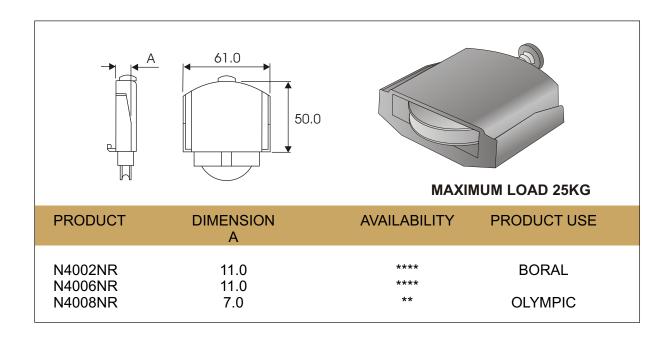


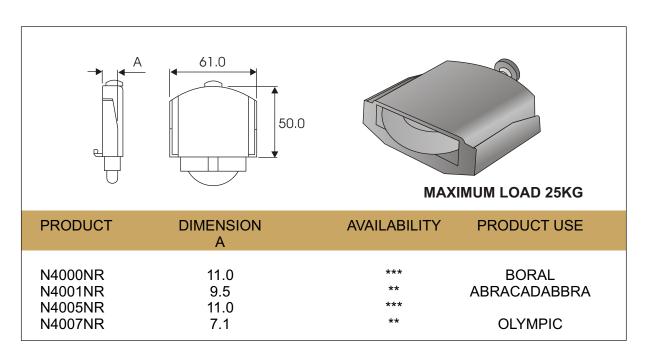
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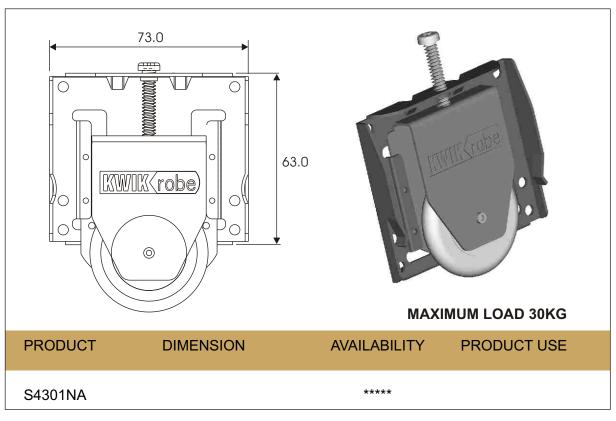
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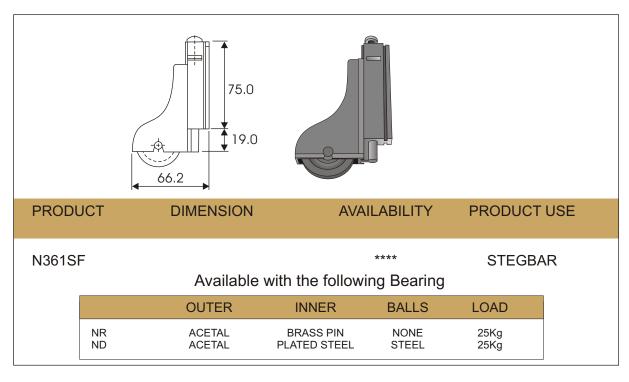


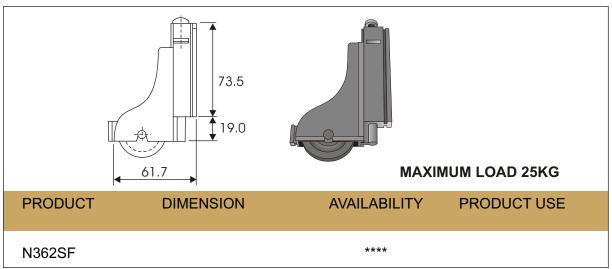


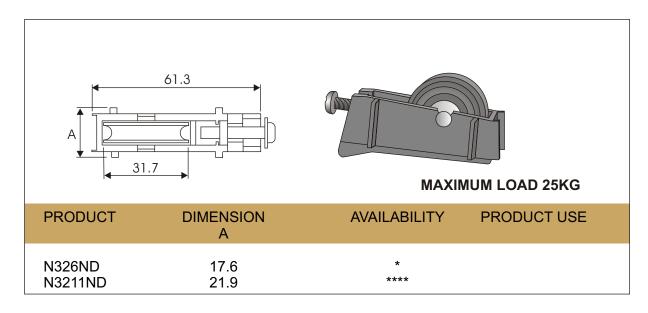


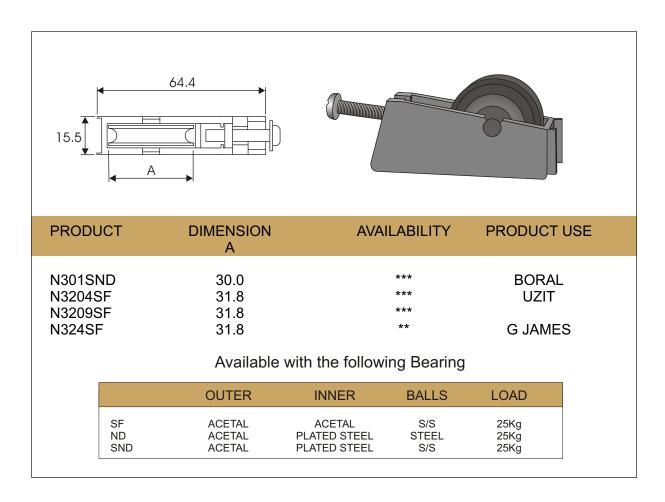


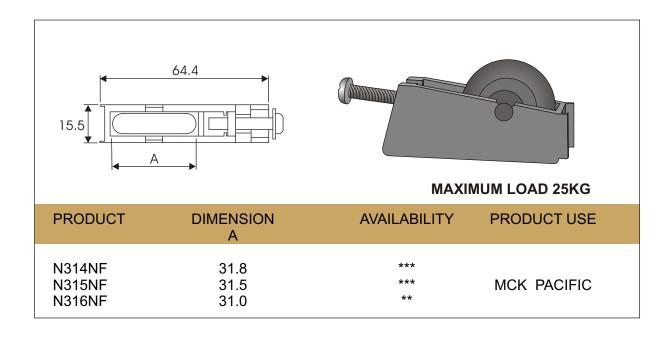


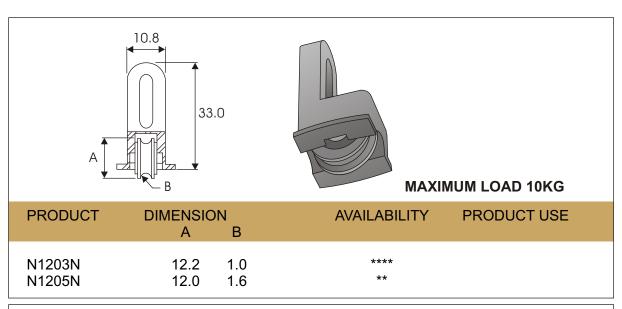


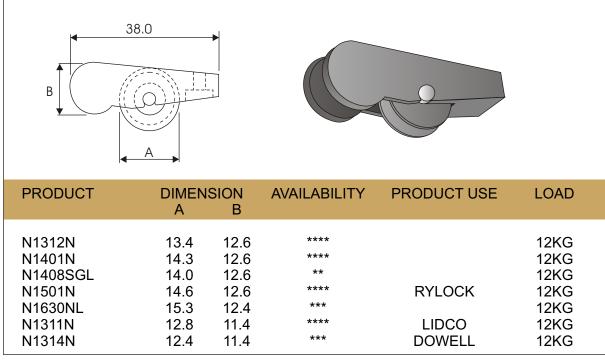


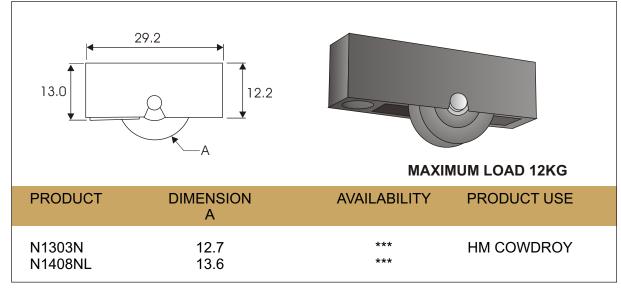


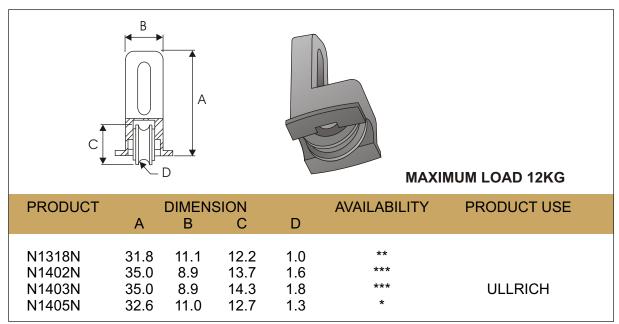


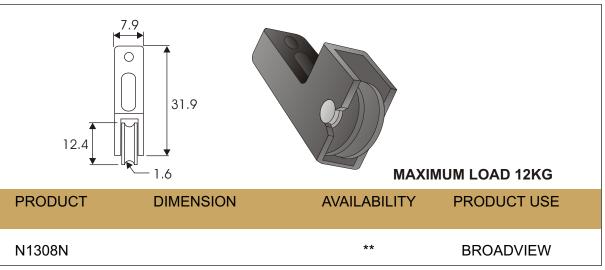


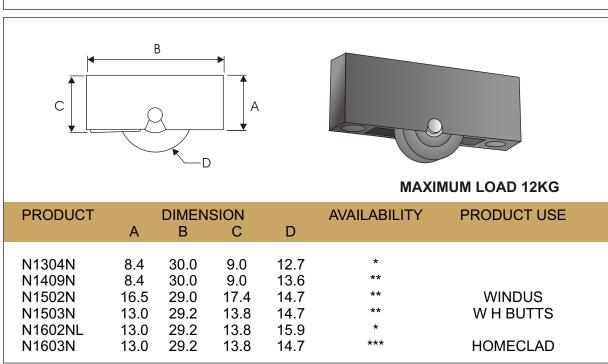


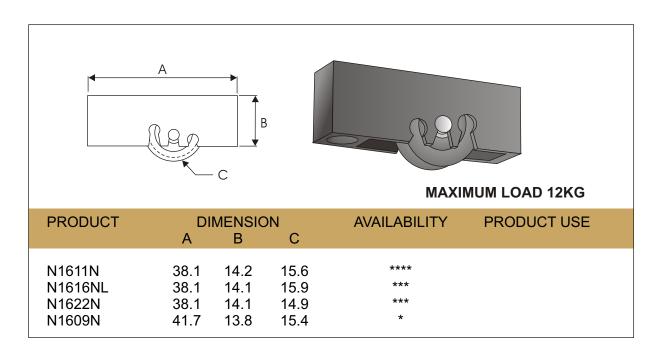


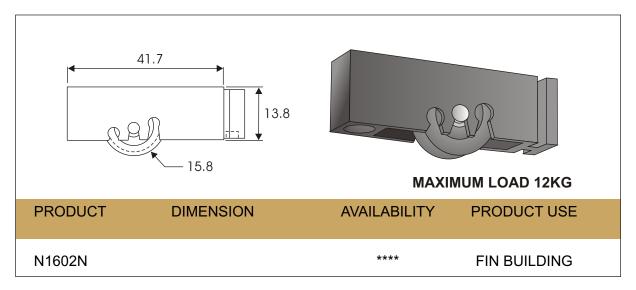


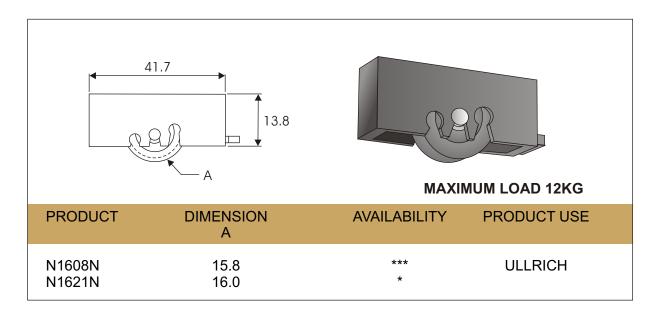


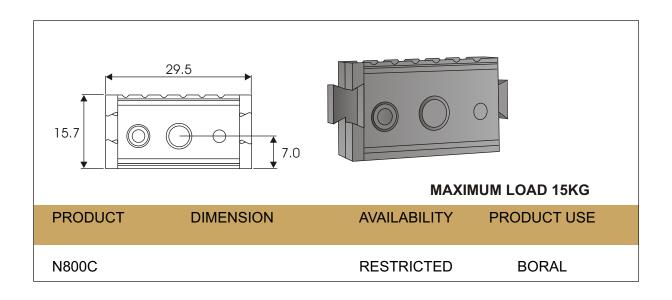


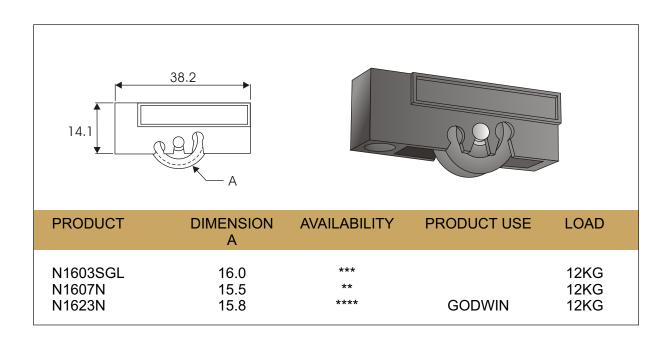


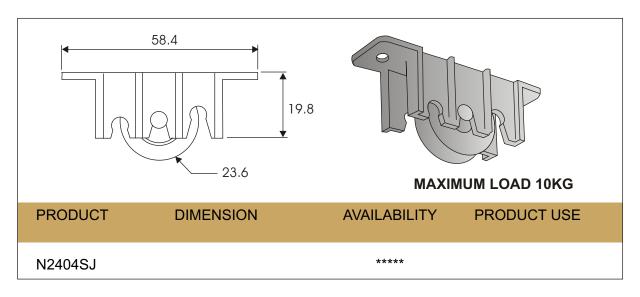


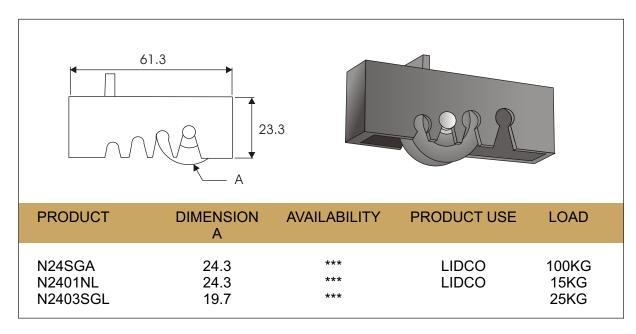


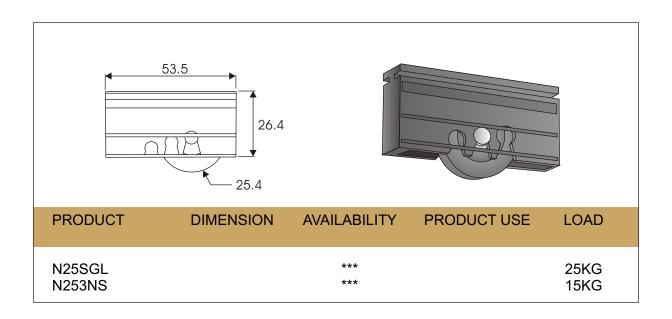


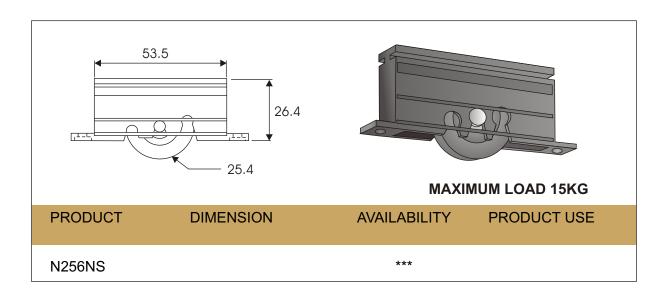


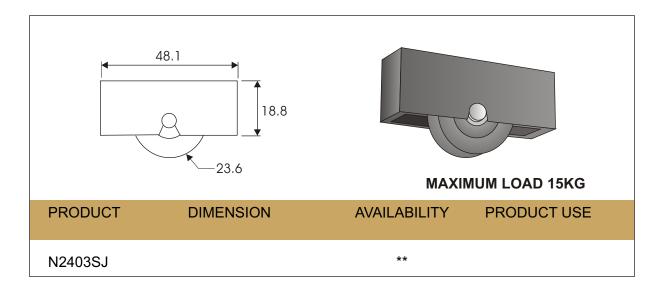




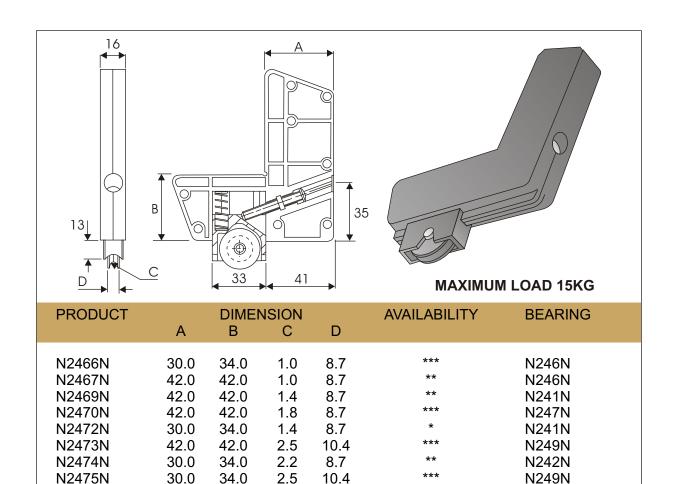


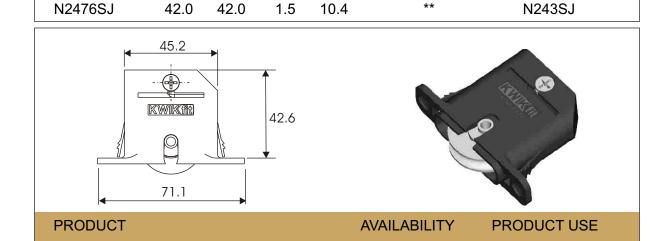






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10.4

10.4

10.4

KWIKFIT SERIES (KF3200SF)

42.5

30.2

42.0

42.5

34.0

42.0

2.5

2.5

2.5

N2491N

N2466SJ

N2467SJ

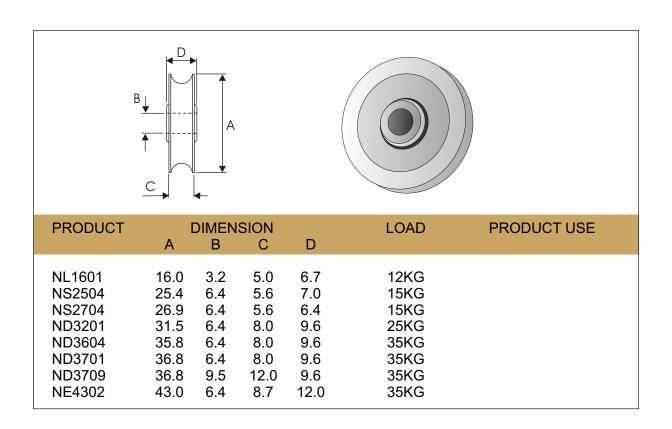
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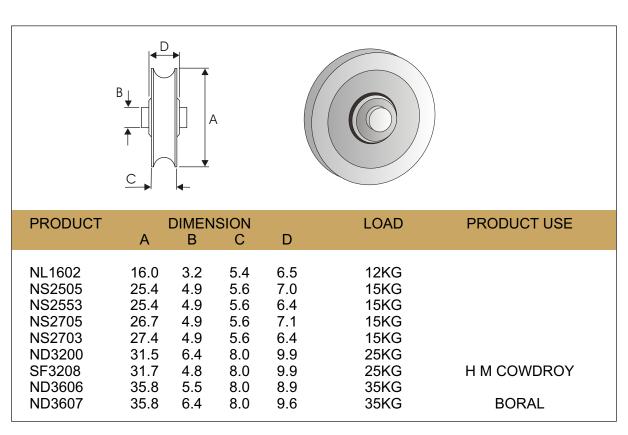
	OUTER	INNER	BALLS	LOAD
SF	ACETAL	ACETAL PLATED STEEL PLATED STEEL PLATED STEEL	S/S	25Kg
ND	ACETAL		STEEL	25Kg
SND	ACETAL		S/S	25Kg
SGD	S/S		S/S	50Kg

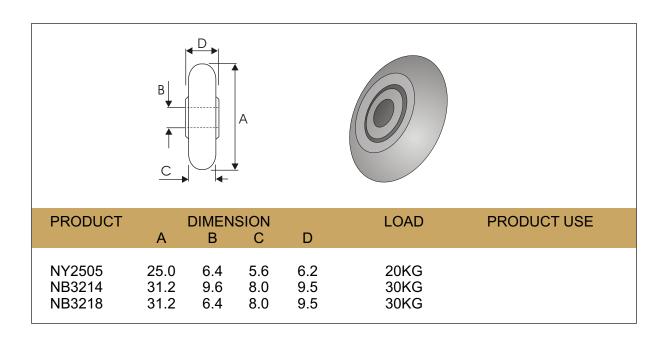
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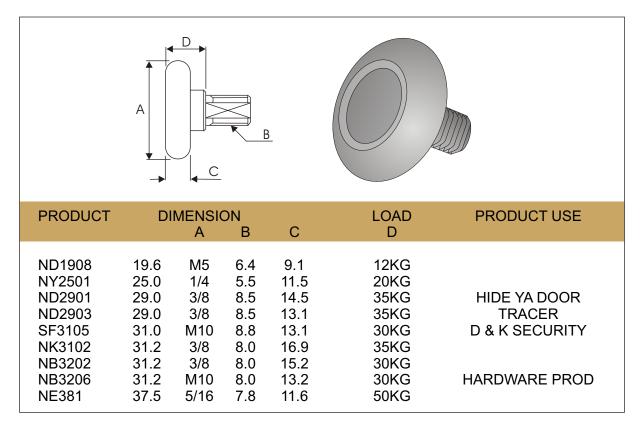
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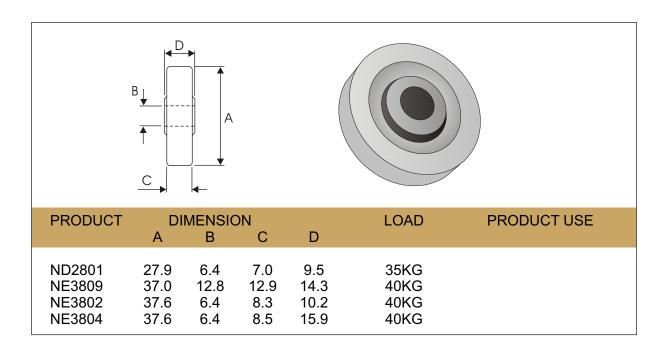
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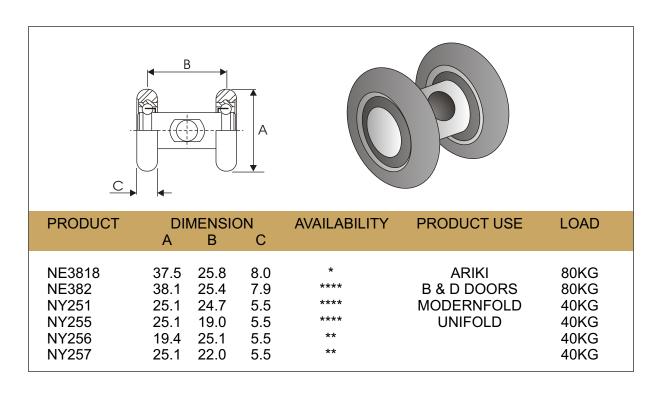


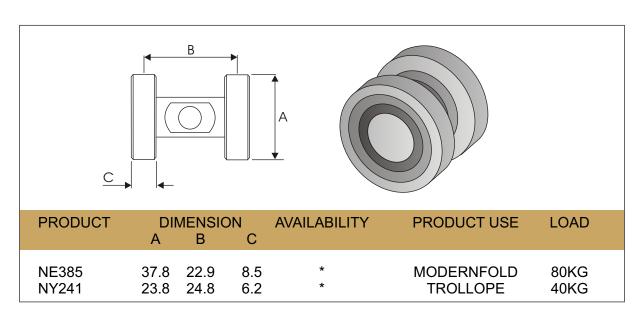














# THE ANTHONY GROUP

### **MELBOURNE**

### **ANTHONY BEARINGS**

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TELEPHONE +61 3 9460 2155 FACSIMILE +61 3 9460 2029

### **MALCO INDUSTRIAL PRODUCTS**

71-73 OVERSEAS DRIVE NOBLE PARK MELBOURNE 3174 AUSTRALIA

TELEPHONE +61 3 9790 5911 FACSIMILE: +61 3 9790 5922

### **SYDNEY**

ANTHONY BEARINGS
ABC COMPONENTS
MALCO INDUSTRIAL PRODUCTS

20/369 VICTORIA STREET WETHERILL PARK SYDNEY 2164 AUSTRALIA

TELEPHONE +61 2 9725 5845 FACSIMILE +61 2 9725 5929

### **AUCKLAND**

ANTHONY BEARINGS
ABC CONVEYING SYSTEMS

42 PARKWAY DRIVE MAIRANGI BAY AUCKLAND 10 NEW ZEALAND

TELEPHONE +64 9 478 6150 FACSIMILE: +64 9 479 6394