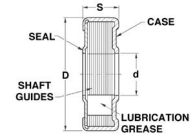




# MBA

## Bearings - Hydrodynamic Pressure



Alternative to ball bearings - quiet operation - patented design.

Applications include compact fan motors, copy machines, printers, laptop computers, cameras and toys.

Stainless Steel casing and shield - Long Life.

Use with Case Hardened shafting 2um surface finish -0.007/-0.012 for normal use.

Use with Case Hardened shafting 1um surface finish -0.005/-0.007 for high accuracy use.

30% weight savings over ball bearings.

This catalogue to be read in conjunction with information at [http://www.minibearings.com.au/ogue/tech/bearing/Bearings\\_Hydro\\_Dynamic.pdf](http://www.minibearings.com.au/ogue/tech/bearing/Bearings_Hydro_Dynamic.pdf)

<http://www.minibearings.com.au//categories/shafting/all/pics/>

### Bearings - Hydrodynamic Pressure

Part Number	Inside Diameter (d) mm <i>inches</i>	Outside Diameter (D) mm <i>inches</i>	Width (S) mm <i>inches</i>	Max. Speed RPM	Max. Radial Load kg
# S681-HYP	1.000 <i>0.039</i>	3.000 <i>0.118</i>	1.000 <i>0.039</i>	20000	0.2
# S681XA-HYP	1.500 <i>0.059</i>	4.000 <i>0.157</i>	2.000 <i>0.079</i>	20000	0.3
# SMR52A-HYP	2.000 <i>0.079</i>	5.000 <i>0.197</i>	2.500 <i>0.098</i>	15000	0.4

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Bearings - Hydrodynamic Pressure

Part Number	Inside Diameter (d) mm	Outside Diameter (D) mm	Width (S) mm	Max. Speed RPM	Max. Radial Load kg
	<i>inches</i>	<i>inches</i>	<i>inches</i>		
# S693A-HYP	3.000 <i>0.118</i>	8.000 <i>0.315</i>	4.000 <i>0.157</i>	15000	0.5
S694-HYP	4.000 <i>0.157</i>	11.000 <i>0.433</i>	4.000 <i>0.157</i>	10000	0.6
S625-HYP	5.000 <i>0.197</i>	16.000 <i>0.630</i>	5.000 <i>0.197</i>	10000	0.8
S626-HYP	6.000 <i>0.236</i>	19.000 <i>0.748</i>	6.000 <i>0.236</i>	6000	1

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