

# LINEAR BEARINGS<sup>PTY LTD</sup>

## GENERAL

Rod ends are available in right or left hand thread, male or female design. Shank (thread) and eye (bore) diameters listed apply to most types in the tables. Spherical bearings are also listed. Other dimensions/size ranges/liner types may vary between manufacturers. Please check availability before ordering.

## MATERIALS

Mating materials usually fall into one of the following groups:

- 1) Sintered bronze, brass or copper alloy.  
**Part No prefix: VM/VF, POS/PHS, PB**
- 2) Reinforced nylon.  
**Part No prefix: PM/PF**
- 3) Steel on steel design  
**Part No prefix AM/AF, BL-D (zinc alloy)**
- 4) With reinforced Teflon liner.  
**Part No prefix: All Race Car Series, AHMT/AHFT, KA/KJ-D, RBT/RBT-E, S-D**

## IDENTIFICATION

The numbering system usually identifies the construction, basic size, thread type (male/female - left/right hand) and whether imperial (inch), or metric (mm).

## LOAD CAPACITIES

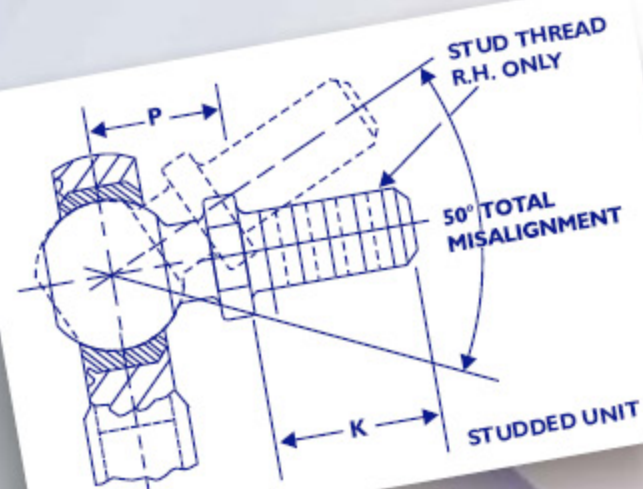
Capacities listed by manufacturers are not necessarily relative to each other, as no uniform standard exists to determine these. In general, the industrial grade rod ends listed herein can be grouped as having similar capacities. For heavy duty applications please refer to the RACE CAR SERIES which are more suitable for higher loading and shock applications (eg racing car suspension). For applications of a difficult nature please consult our technical department.

## STUDED DESIGN

(Add S to prefix letter)

Most industrial rod ends are available in studed design as shown with either male or female body design. Studs are male right hand, and of the same thread form and diameter as the shank. Dimensions **P** & **K** are listed in the tables on the following pages.

Ordering example - **VMS 8** (Bronze lined male right hand with 1/2" UNF stud).



Series	Housing	Ball	Race	Liner	Stud
ABT	410 stainless steel r/c 23-35	440C stainless r/c 55-62	-	PTFE	n/a
ABYT	410 stainless steel r/c 23-35	440C stainless r/c 55-62	-	PTFE	n/a
ABWT	410 stainless steel r/c 23-35	440C stainless r/c 55-62	-	PTFE	n/a
AHMT/AHFT	303 stainless steel	440C stainless - heat treated	-	PTFE	n/a
AM/AF	low carbon steel - plated	Low carbon steel - hardened & plated	-	-	yes
ARHT	17-4 ph stainless steel - passivated	440C stainless steel - HRC 55-62	410 stainless steel	PTFE	n/a
ART	17-4 ph stainless steel - passivated	440C stainless steel - HRC 55-62	410 stainless steel	PTFE	n/a
ARYT	17-4 ph stainless steel - passivated	440C stainless steel - HRC 55-62	410 stainless steel	PTFE	n/a
BL-D	High strength zinc alloy	Bearing steel ball & stud	-	-	yes
KA/KJ-D	Low carbon steel - plated	Bearing steel - hardened & ground	Brass	PTFE	n/a
PB	Fatigue resistant steel - S35C	SAE 52100 steel - SUJ2 - HRC 58	Special copper alloy	-	n/a
PM/PF	Low carbon steel - plated	Low carbon steel hardened & plated	-	NYLOY	yes
POS/PHS	fatigue resistant steel - S35C	SAE 52100 steel - SUJ2 - HRC 58	Special copper alloy	-	n/a
RBT-E/RBT	303 stainless steel	440C stainless - heat treated	-	PTFE	n/a
RMT-X5	Chrome moly steel - heat treated & plated	Chrome moly steel - heat treated & plated	Chrome moly steel heat treated & plated	PTFE	n/a
S-D	Free cutting steel - ground OD	Bearing steel - hardened & ground	Brass	PTFE	n/a
VM/VF	Low carbon steel - plated	Low carbon steel - hardened & plated	Sintered bronze, oil impregnated	-	yes