



STATEWIDE LINEAR BEARINGS

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/VE, 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

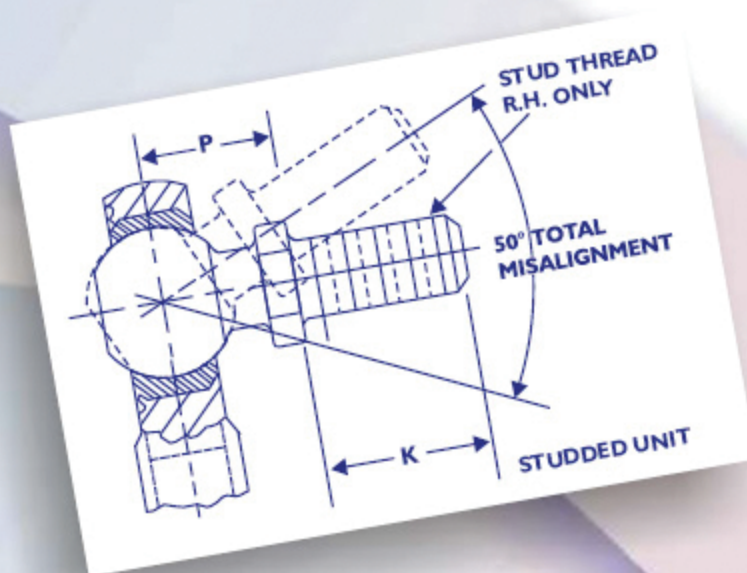
Capacities listed by manufacturers are not necessarily relative to each other, as no uniform standard exists to determine these. In general, the industrial grade rod ends listed herein can be grouped as having similar capacities. For heavy duty applications please refer to the RACE CAR SERIES which are 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 studded 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/VE | Low carbon steel - plated | Low carbon steel - hardened & plated | Sintered bronze, oil impregnated | - | yes |