

ROD ENDS & MOTION TRANSFER DEVICES

Visit us on the Internet at:
www.rotoprecision.ca

V-Series Rod End (4-Piece, Sintered Phosphor Bronze Race, Oil Impregnated)

NOMINAL BORE (Inch)	THREAD	ALINABAL		AURORA		FK		HEIM ¹		SPHERCO ²		TUTHILL ³	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
.1900	10-32	VM-3-G	VF-3-G	--	--	M 3 SB	F 3 SB	HM3C	HF3C	TM3	TF3	MBM3	MBF3
.2500	1/4-28	VM-4-G	VF-4-G	--	--	M 4 SB	F 4 SB	HM4C	HF4C	TM4	TF4	MBM4	MBF4
.3125	5/16-24	VM-5-G	VF-5-G	--	--	M 5 SB	F 5 SB	HM5C	HF5C	TM5	TF5	MBM5	MBF5
.3750	3/8-24	VM-6-G	VF-6-G	--	--	M 6 SB	F 6 SB	HM6C	HF6C	TM6	TF6	MBM6	MBF6
.4375	7/16-20	VM-7-G	VF-7-G	--	--	M 7 SB	F 7 SB	HM7C	HF7C	TM7	TF7	MBM7	MBF7
.5000	1/2-20	VM-8-G	VF-8-G	--	--	M 8 SB	F 8 SB	HM8C	HF8C	TM8	TF8	MBM8	MBF8
.6250	5/8-18	VM-10-G	VF-10-G	--	--	M 10 SB	F 10 SB	HM10C	HF10C	TM10	TF10	MBM10	MBF10
.7500	3/4-16	VM-12-G	VF-12-G	--	--	M 12 SB	F 12 SB	HM12C	HF12C	TM12	TF12	MBM12	MBF12

A-Series Rod End (2-Piece, Steel-on-Steel High Capacity)

NOMINAL BORE (Inch)	THREAD	ALINABAL		AURORA		FK		HEIM ¹		SPHERCO ²		TUTHILL ³	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
.1900	10-32	AM-3-GP	AF-3-GP	CM-3	CW-3	CM 3	CF 3	M3CR	F3CR	CFM-3	CFF-3	MSM3	MSF3
.2500	1/4-28	AM-4-GP	AF-4-GP	CM-4	CW-4	CM 4	CF 4	M4CR	F4CR	CFM-4	CFF-4	MSM4	MSF4
.3125	5/16-24	AM-5-GP	AF-5-GP	CM-5	CW-5	CM 5	CF 5	M5CR	F5CR	CFM-5	CFF-5	MSM5	MSF5
.3750	3/8-24	AM-6-GP	AF-6-GP	CM-6	CW-6	CM 6	CF 6	M6CR	F6CR	CFM-6	CFF-6	MSM6	MSF6
.4375	7/16-20	AM-7-GP	AF-7-GP	CM-7	CW-7	CM 7	CF 7	M7CR	F7CR	CFM-7	CFF-7	MSM7	MSF7
.5000	1/2-20	AM-8-GP	AF-8-GP	CM-8	CW-8	CM 8	CF 8	M8CR	F8CR	CFM-8	CFF-8	MSM8	MSF8
.6250	5/8-18	AM-10-GP	AF-10-GP	CM-10	CW-10	CM 10	CF 10	M10CR	F10CR	CFM-10	CFF-10	MSM10	MSF10
.7500	3/4-16	AM-12-GP	AF-12-GP	CM-12	CW-12	CM 12	CF 12	M12CR	F12CR	CFM-12	CFF-12	MSM12	MSF12

P-Series Rod End (Patented High Strength, Injection Molded Nyloy® Race)

NOMINAL BORE (Inch)	THREAD	ALINABAL		AURORA		FK		HEIM ¹		SPHERCO ²		TUTHILL ³	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
.1900	10-32	PM-3-G	PF-3-G	SPM3	SPF3	--	--	CMHD3	CFHD3	CTMD3	CTFD3	SPM3	SPF3
.2500	1/4-28	PM-4-G	PF-4-G	SPM4	SPF4	--	--	CMHD4	CFHD4	CTMD4	CTFD4	SPM4	SPF4
.3125	5/16-24	PM-5-G	PF-5-G	SPM5	SPF4	--	--	CMHD5	CFHD5	CTMD5	CTFD5	SPM5	SPF5
.3750	3/8-24	PM-6-G	PF-6-G	SPM6	SPF5	--	--	CMHD6	CFHD6	CTMD6	CTFD6	SPM6	SPF6
.4375	7/16-20	PM-7-G	PF-7-G	SPM7	SPF7	--	--	CMHD7	CFHD7	CTMD7	CTFD7	SPM7	SPF7
.5000	1/2-20	PM-8-G	PF-8-G	SPM8	SPF8	--	--	CMHD8	CFHD8	CTMD8	CTFD8	SPM8	SPF8
.6250	5/8-18	PM-10-G	PF-10-G	SPM10	SPF10	--	--	CMHD10	CFHD10	CTMD10	CTFD10	SPM10	SPF10
.7500	3/4-16	PM-12-G	PF-12-G	SPM12	SPF12	--	--	CMHD12	CFHD12	CTMD12	CTFD12	SPM12	SPF12

1 - Heim / Boston 2 - Sphereco / Sealmaster / Morse 3 - Tuthill / National / Superior

Also Available From Alinabal:

- VX** • V-series with tighter ball bore tolerances
- PQ** • P-series with looser breakaway torque limits
- K** • Economical series featuring a 2-piece plated, stamped metal housing and steel ball
- KP** • Economical K-Series combined with the performance of P-Series moulded Nyloy® race
- RM** • 3-piece, high strength, chrome moly steel housing, ball and race. Optional Teflon® lined inner race

- Large Bore** • 3-piece construction with diameters ranging from 1" to 1.25" and featuring optional grease fittings and thread specifications
- Pro-Line** • Carbon fibre reinforced race for high strength with optional aluminum series for housing construction
- Alumilite** • Forged 3-piece aluminum design for high strength and light weight
- ISO-Link** • Elastomeric rod ends for noise and vibration reduction

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Rotoprecision Inc.
Precision In Motion

ALINABAL ROD ENDS AND MOTION TRANSFER DEVICES

As a result of their expertise in metal turning, stamping and injection molding, Alinabal produces a wide array of standard and custom rod ends, spherical bearings, linkage assemblies and stamped molded bearing assemblies. Backed by its ISO 9001-2000 registration, Alinabal products offer tremendous flexibility in construction and design to meet all requirements for self-aligning bearing applications including a full line of sizes available in multiple thread, lug and material options. All products are interchangeable with competitive offerings.



www.rotoprecision.ca

DID YOU KNOW?

Most commercial rod ends have the same inside diameter through the ball as the thread size. For example, a size 8 rod end has a nominal 1/2 inside diameter through the ball and a thread size of 1/2-20. The exception to this rule is found in high capacity rod ends such as Alinabal's "RM" series. Pay special attention to 1" (size 16) rod ends as there are several thread options including 1-12, 1-14 and 1-1/4-12.

DID YOU KNOW?

Studs are available for most product ranges which facilitate right-angle connections and allow for up to 50 degrees of misalignment. Alinabal offers both standard and high-tensile ball studs for added strength. All studs have right hand threads.

DID YOU KNOW?

Lubrication fittings are available for many product ranges including the "V" and "A" series which allows for easy maintenance and extended product life. Keep in mind, however, the reduced load capacity resulting from the hole drilled into the housing for the grease fitting.

DID YOU KNOW?

Aside from its continued presence in the transportation industry, Alinabal components and assemblies are also used extensively in the aerospace, military, recreational, and medical industries.

DID YOU KNOW?

Alinabal's roots date back to 1913 when the company supplied laminated material for Henry Ford's early Model "T" automobile. Today, Alinabal's full range of motion transfer devices are available in Canada from RotoPrecision, Alinabal's sole authorized Canadian outlet.

DID YOU KNOW?

Our corporate mission at RotoPrecision is to "deliver the perfect customer experience in the markets we serve". We have a dedicated division designed specifically to serve and respond to the needs of the distribution sector which is fully supported by our in-house Application Support and Technical Sales team. We have been supplying Canada with precision products for over 50 years.

ADDITIONAL PRODUCTS FROM ALINABAL

- Spherical Bearings
- Connecting Linkages



WHY NOT CALL ROTOPRECISION TODAY?

Our products, support and service are second to none!

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