

# Product Catalogue

# **SUSPENSION** *Developments*

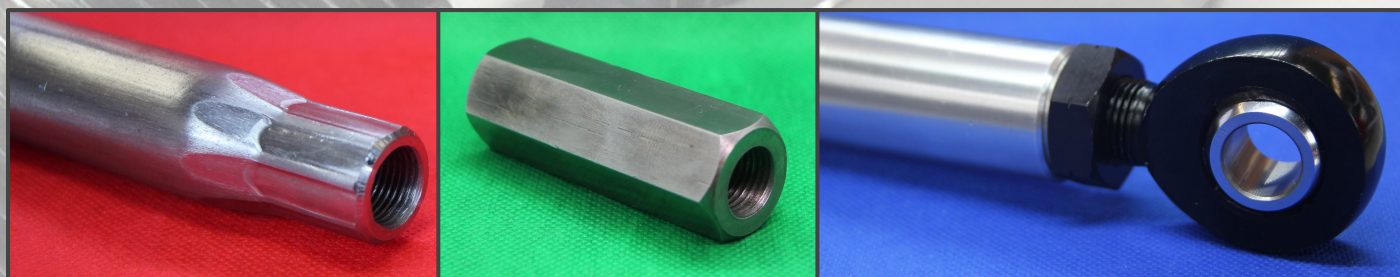


## Rod End Supplies + Custom Linkage Solutions + More

From our fully equipt machine shop we make custom length suspension, steering, brake arms, linkages, and adaptation tubes tapped to take the specified rod end. Give us a call to discuss your requirements.

Material available:

- Hollow 7075 T6 aluminium tube
- Seamless 1020 carbon steel tube
- Aluminum hex
- Carbon steel hex





# Chromoly Imperial - Two Piece

**Body Material:** 4130 Chromoly

**Protective coating:** Chrome plated

**Lining:** Nylon/PTFE - self lubricating

**Threads:** Rolled threads on male

**Ball:** 52100 steel, heat treated and hard chrome plated

## Male

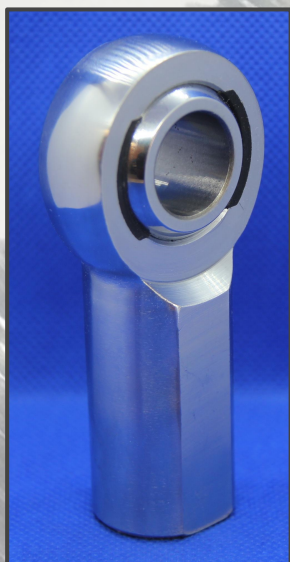
| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|------|--------|---------------------------|------------|
| XML 3               | XMR 3                | 3/16 | 3/16   | 13                        | 0.3120     |
| XML 4               | XMR 4                | 1/4  | 1/4    | 15                        | 0.3750     |
| XML 4-5             | XMR 4-5              | 1/4  | 5/16   | 13                        | 0.3750     |
| XML 5               | XMR 5                | 5/16 | 5/16   | 14                        | 0.4370     |
| XML 5-6             | XMR 5-6              | 5/16 | 3/8    | 12                        | 0.4370     |
| XML 6               | XMR 6                | 3/8  | 3/8    | 12                        | 0.5000     |
| XML 6-7             | XMR 6-7              | 3/8  | 7/16   | 10                        | 0.5000     |
| XML 7               | XMR 7                | 7/16 | 7/16   | 14                        | 0.5620     |
| XML 7-8             | XMR 7-8              | 7/16 | 1/2    | 12                        | 0.5620     |
| XML 8               | XMR 8                | 1/2  | 1/2    | 12                        | 0.6250     |
| XML 8-10            | XMR 8-10             | 1/2  | 5/8    | 10                        | 0.6250     |
| XML 8-12            | XMR 8-12             | 1/2  | 3/4    | 13                        | 0.7500     |
| XML 10              | XMR 10               | 5/8  | 5/8    | 15                        | 0.7500     |
| XML 10-12           | XMR 10-12            | 5/8  | 3/4    | 13                        | 0.7500     |
| XML 12              | XMR 12               | 3/4  | 3/4    | 14                        | 0.8750     |
| XML 12-14           | XMR 12-14            | 3/4  | 7/8    | 13                        | 0.8750     |
| XML 14              | XMR 14               | 7/8  | 7/8    | 8                         | 0.8750     |
| XML 16              | XMR 16               | 1    | 1      | 17                        | 1.3750     |
| XML 16-20           | XMR 16-20            | 1    | 1 1/4  | 13                        | 1.3750     |
| N/A                 | XMR 10-12 Long Shaft | 5/8  | 3/4    | 13                        | 0.7500     |
| XML 10-8 HM *       | XMR 10-8 HM *        | 1/2  | 5/8    | 21                        | 0.7500     |
| XML 12-10 HM *      | XMR 12-10 HM *       | 5/8  | 3/4    | 19                        | 0.8750     |



\* must be used with spacers

## Female

| Part # Left<br>Hand | Part # Right<br>Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|------|--------|---------------------------|------------|
| N/A                 | XFR 4                | 1/4  | 1/4    | 16                        | 0.3750     |
| N/A                 | XFR 5                | 5/16 | 5/16   | 14                        | 0.4370     |
| N/A                 | XFR 6                | 3/8  | 3/8    | 12                        | 0.5000     |
| N/A                 | XFR 7                | 7/16 | 7/16   | 14                        | 0.5620     |
| XFL 8               | XFR 8                | 1/2  | 1/2    | 12                        | 0.6250     |
| N/A                 | XFR 8-10             | 1/2  | 5/8    | 10                        | 0.6250     |
| N/A                 | XFR 10               | 5/8  | 5/8    | 16                        | 0.7500     |
| N/A                 | XFR 10-12            | 5/8  | 3/4    | 13                        | 0.7500     |
| XFL 12              | XFR 12               | 3/4  | 3/4    | 14                        | 0.8750     |





# Chromoly Metric - Two Piece

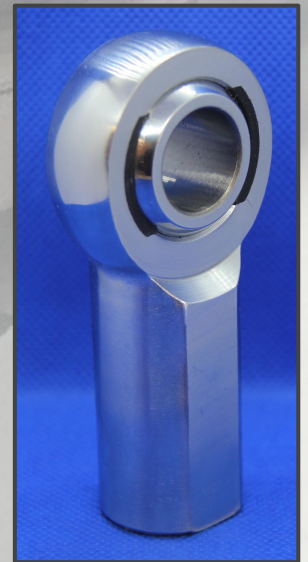


## Male

| Part #<br>Left Hand | Part #<br>Right Hand | Part #<br>Right Hand | Thread      | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|----------------------|-------------|---------------------------|------------|
| M XML 5x0.8         | M XMR 5x0.8          | 5mm                  | 5 x 0.8mm   | 13                        | 8mm        |
| M XML 6x1.0         | M XMR 6x1.0          | 6mm                  | 6 x 1.0mm   | 13                        | 9mm        |
| M XML 8x1.25        | M XMR 8x1.25         | 8mm                  | 8 x 1.25mm  | 14                        | 12mm       |
| M XML 10x1.25       | M XMR 10x1.25        | 10mm                 | 10 x 1.25mm | 13                        | 14mm       |
| M XML 10x1.5        | M XMR 10x1.5         | 10mm                 | 15 x 1.5mm  | 13                        | 14mm       |
| M XML 12x1.25       | M XMR 12x1.25        | 12mm                 | 12 x 1.25mm | 13                        | 16mm       |
| M XML 12x1.5        | M XMR 12x1.5         | 12mm                 | 12 x 1.25mm | 13                        | 16mm       |
| M XML 12x1.75       | M XMR 12x1.75        | 12mm                 | 12 x 1.75mm | 13                        | 16mm       |
| M XML 14x1.25       | M XMR 14x1.25        | 14mm                 | 14 x 1.25mm | 16                        | 19mm       |
| M XML 14x1.5        | M XMR 14x1.5         | 14mm                 | 14 x 1.5mm  | 16                        | 19mm       |
| M XML 14x2.0        | M XMR 14x2.0         | 14mm                 | 14 x 2.0mm  | 16                        | 19mm       |
| M XML 16x1.5        | M XMR 16x1.5         | 16mm                 | 16 x 1.5mm  | 15                        | 21mm       |
| M XML 16x2.0        | M XMR 16x2.0         | 16mm                 | 16 x 2.0mm  | 15                        | 21mm       |
| M XML 18x1.5        | M XMR 18x1.5         | 18mm                 | 18 x 1.5mm  | 15                        | 23mm       |
| M XML 20x1.5        | M XMR 20x1.5         | 20mm                 | 20 x 1.5mm  | 14                        | 25mm       |

## Female

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread      | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|------|-------------|---------------------------|------------|
| N/A                 | M XFR 6x1.0          | 6mm  | 6 x 1.0mm   | 13                        | 9mm        |
| M XFL 8x1.25        | M XFR 8x1.25         | 8mm  | 8 x 1.25mm  | 14                        | 12mm       |
| N/A                 | M XFR 10x1.25        | 10mm | 10 x 1.25mm | 13                        | 14mm       |
| N/A                 | M XFR 10x1.5         | 10mm | 10 x 1.5mm  | 13                        | 14mm       |
| N/A                 | M XFR 12x1.25        | 12mm | 12 x 1.25mm | 13                        | 16mm       |
| N/A                 | M XFR 12x1.5         | 12mm | 12 x 1.5mm  | 13                        | 16mm       |
| N/A                 | M XFR 14x1.25        | 14mm | 14 x 1.25mm | 16                        | 19mm       |
| N/A                 | M XFR 14x1.5         | 14mm | 14 x 1.5mm  | 16                        | 19mm       |
| N/A                 | M XFR 16x1.5         | 16mm | 16 x 1.5mm  | 15                        | 21mm       |
| N/A                 | M XFR 18x1.5         | 18mm | 18 x 1.5mm  | 15                        | 23mm       |
| N/A                 | M XFR 20x1.5         | 20mm | 20 x 1.5mm  | 14                        | 25mm       |



## Tube bung

**Material:** Carbon Steel



| Part #<br>Left Hand | Part #<br>Right Hand | Thread      | To fit tube OD | With Wall<br>Thickness |
|---------------------|----------------------|-------------|----------------|------------------------|
| BUNL 8              | BUNR 8               | 1/2 UNF     | 1.00           | 0.065                  |
| BUNL 10             | BUNR 10              | 5/8 UNF     | 1.25           | 0.120                  |
| BUNL 12             | BUNR 12              | 3/4 UNF     | 1.25           | 0.120                  |
| BUNL 14             | BUNR 14              | 7/8 UNF     | 1.50           | 0.150                  |
| M BUNL 10x1.25      | M BUNR 10x1.25       | 10 x 1.25mm | 0.75           | 0.065                  |
| M BUNL 12x1.25      | M BUNR 12x1.25       | 12 x 1.25mm | 0.875          | 0.065                  |
| M BUNL 14x1.5       | M BUNR 14x1.5        | 14 x 1.5mm  | 1              | 0.065                  |



# Carbon Steel

**Body Material:** Carbon Steel **Protective coating:** Zinc **Lining:** None - press fit race for smooth operation **Threads:** Rolled threads on male **Ball:** 52100 steel, heat treated and hard chrome plated

## Male

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|------|--------|---------------------------|------------|
| CML 3               | CMR 3                | 3/16 | 3/16   | 10                        | 0.312      |
| CML 4               | CMR 4                | 1/4  | 1/4    | 14                        | 0.375      |
| CML 5               | CMR 5                | 5/16 | 5/16   | 11                        | 0.437      |
| CML 6               | CMR 6                | 3/8  | 3/8    | 11                        | 0.500      |
| CML 7               | CMR 7                | 7/16 | 7/16   | 11                        | 0.562      |
| CML 8               | CMR 8                | 1/2  | 1/2    | 10                        | 0.625      |
| CML 8-10            | CRM 8-10             | 1/2  | 5/8    | 8                         | 0.625      |
| CML 10              | CMR 10               | 5/8  | 5/8    | 13                        | 0.750      |



PC - Body material 4130 Chromoly for extra strength, same rod end design.

| Part #<br>Left Hand | Part #<br>Right Hand | Eye | Thread | Misalignment<br>Angle +/- | Ball Width | Colour |
|---------------------|----------------------|-----|--------|---------------------------|------------|--------|
| PCML 10-12          | PCMR 10-12           | 5/8 | 3/4    | 23                        | 0.750      | Black  |
| PCML 12             | PCMR 12              | 3/4 | 3/4    | 21.5                      | 0.875      | Black  |

## Female

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|------|--------|---------------------------|------------|
| CFL 3               | CFR 3                | 3/16 | 3/16   | 10                        | 0.312      |
| N/A                 | CFR 4                | 1/4  | 1/4    | 14                        | 0.375      |
| N/A                 | CFR 5                | 5/16 | 5/16   | 11                        | 0.437      |
| N/A                 | CFR 6                | 3/8  | 3/8    | 11                        | 0.500      |
| N/A                 | CFR 7                | 7/16 | 7/16   | 11                        | 0.562      |
| N/A                 | CFR 8                | 1/2  | 1/2    | 10                        | 0.625      |
| N/A                 | CFR 10               | 5/8  | 5/8    | 13                        | 0.750      |
| N/A                 | CFR 12               | 3/4  | 3/4    | 12                        | 0.875      |

| Part #<br>Left Hand | Part #<br>Right Hand | Part #<br>Right Hand | Thread     | Misalignment<br>Angle +/- | Ball Width |
|---------------------|----------------------|----------------------|------------|---------------------------|------------|
| N/A                 | M CFR 8x1.25         | 8mm                  | 8 x 1.25mm | 14                        | 14mm       |





# Aluminium

**Body Material:** Aluminium 7075 T6

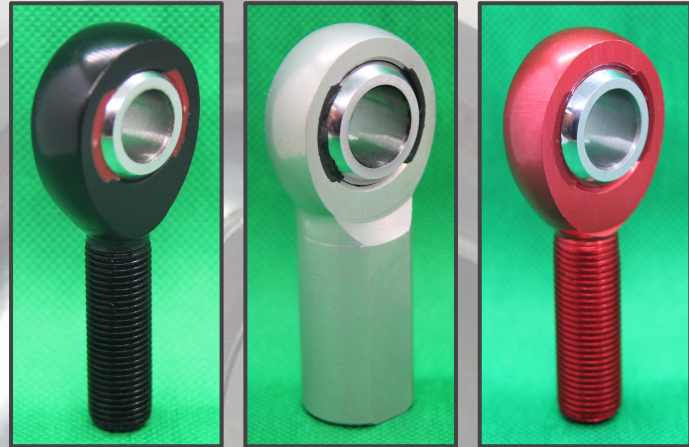
**Protective coating:** Anodized in various colours

**Weight:** Roughly half the weight of Chromoly 2 piece

**Lining:** Nylon/PTFE - self lubricating

**Threads:** Rolled threads on male

**Ball:** 52100 steel, heat treated and hard chrome plated



## Male

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball<br>Width | Colour         |
|---------------------|----------------------|------|--------|---------------------------|---------------|----------------|
| AML 3               | AMR 3                | 3/16 | 3/16   | 13                        | 0.312         | Natural        |
| AML 4               | AMR 4                | 1/4  | 1/4    | 15                        | 0.375         | Natural        |
| AML 5               | AMR 5                | 5/16 | 5/16   | 14                        | 0.437         | Natural        |
| AML 6               | AMR 6                | 3/8  | 3/8    | 12                        | 0.500         | Natural        |
| AML 6-7             | AMR 6-7              | 3/8  | 7/16   | 10                        | 0.500         | Black, Red     |
| AML 7               | AMR 7                | 7/16 | 7/16   | 14                        | 0.562         | Natural        |
| AML 8               | AMR 8                | 1/2  | 1/2    | 12                        | 0.625         | Black          |
| AML 8-10            | AMR 8-10             | 1/2  | 5/8    | 10                        | 0.625         | Natural, Black |
| AML 10              | AMR 10               | 5/8  | 5/8    | 15                        | 0.750         | Red            |
| AML 10-12           | AMR 10-12            | 5/8  | 3/4    | 13                        | 0.750         | Black          |
| AML 12              | AMR 12               | 3/4  | 3/4    | 14                        | 0.875         | Red            |

## Female

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball<br>Width | Colour  |
|---------------------|----------------------|------|--------|---------------------------|---------------|---------|
| N/A                 | AFR 3                | 3/16 | 3/16   | 13                        | 0.312         | Natural |
| N/A                 | AFR 4                | 1/4  | 1/4    | 15                        | 0.375         | Natural |
| N/A                 | AFR 5                | 5/16 | 5/16   | 14                        | 0.437         | Natural |
| N/A                 | AFR 6                | 3/8  | 3/8    | 12                        | 0.500         | Natural |
| N/A                 | AFR 7                | 7/16 | 7/16   | 10                        | 0.562         | Natural |
| N/A                 | AFR 8                | 1/2  | 1/2    | 14                        | 0.625         | Natural |
| N/A                 | AFR 10               | 5/8  | 5/8    | 15                        | 0.750         | Natural |

| Type   | Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread     | Misalignment<br>Angle +/- | Ball Width | Colour |
|--------|---------------------|----------------------|------|------------|---------------------------|------------|--------|
| Female | M AFL 6x1.0         | M AFR 6x1.0          | 6mm  | 6 x 1.0mm  | 13                        | 9mm        | Red    |
| Male   | M AML 6x1.0         | M AMR 6x1.0          | 6mm  | 6 x 1.0mm  | 13                        | 9mm        | Red    |
| Female | N/A                 | M AFR 8x3/16         | 8mm  | 3/16 UNF   | 21                        | 12mm       | Black  |
| Female | N/A                 | M AFR 8x1/4          | 8mm  | ¼ UNF      | 21                        | 12mm       | Black  |
| Male   | M AML 8x1.25        | M AMR 8x1.25         | 8mm  | 8 x 1.25mm | 13                        | 14mm       | Black  |
| Male   | M AML 10x1.5        | M AMR 10x1.5         | 10mm | 10 x 1.5mm | 13                        | 14mm       | Black  |



## Rod Eye



| Material     | Part #<br>Right Hand | Eye | Thread | Mounting Width | Colour |
|--------------|----------------------|-----|--------|----------------|--------|
| Carbon Steel | XMR RE 8-1 5/8       | 1/2 | 5/8    | 5/8            | Zinc   |
| Carbon Steel | XMR RE 8-10 7/8      | 1/2 | 5/8    | 7/8            | Zinc   |
| Carbon Steel | XMR RE 10 5/8        | 5/8 | 5/8    | 5/8            | Zinc   |
| Carbon Steel | XMR RE 10 7/8        | 5/8 | 5/8    | 7/8            | Zinc   |
| Carbon Steel | XMR RE 10-12         | 5/8 | 3/4    | 7/8            | Zinc   |
| Carbon Steel | XMR RE 12            | 3/4 | 3/4    | 7/8            | Zinc   |
| Aluminium    | AMR RE 8-10          | 1/2 | 5/8    | 5/8            | Red    |

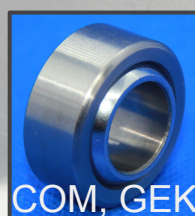
## Urethane Ends

| Part #    | Eye | Thread | Thread Direction | Mounting Width | Chromoly Grade |
|-----------|-----|--------|------------------|----------------|----------------|
| URE 10-12 | 5/8 | 3/4    | Right            | 1.7500         | 4130           |
| URE 10-12 | 5/8 | 3/4    | Left             | 1.7500         | 4130           |

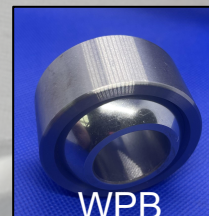


## Spherical Bearing

**Lining:** hidden teflon mat for self-lubrication  
**Ball:** 52100 steel, heat treated and chrome plated



COM, GEK



WPB



HIN

| Part #     | Eye    | Ball Width | Race OD | Race Width | Misalignment Angle +/- | Race Material   | Spacers on Ball |
|------------|--------|------------|---------|------------|------------------------|-----------------|-----------------|
| COM 8 DS   | 0.5000 | 1.0000     | 1.0625  | 0.3900     | 12                     | Stainless Steel | No              |
| COM 8T-CS  | 0.5000 | 0.5000     | 1.0000  | 0.3900     | 9.5                    | Carbon Steel    | No              |
| COM 10T-SS | 0.6250 | 0.6250     | 1.1875  | 0.5000     | 8.5                    | Stainless Steel | No              |
| COM 12T-SS | 0.7500 | 0.7500     | 1.4375  | 0.5930     | 9.0                    | Stainless Steel | No              |
| COM 14T-SS | 0.8750 | 0.8750     | 1.5625  | 0.7030     | 8.5                    | Stainless Steel | No              |
| HIN 8T     | 0.5000 | 0.9730     | 1.1250  | 0.4010     | 25                     | Stainless Steel | Yes             |
| HIN 10T    | 0.6250 | 1.2500     | 1.3750  | 0.5670     | 20                     | Stainless Steel | Yes             |
| HIN 12T    | 0.7500 | 1.3250     | 1.5625  | 0.6200     | 18                     | Stainless Steel | Yes             |
| WPB 10T    | 0.6250 | 0.7500     | 1.1875  | 0.5670     | 12                     | Stainless Steel | No              |
| WPB 12T    | 0.7500 | 0.8750     | 1.3750  | 0.6300     | 13                     | Stainless Steel | No              |
| WPB 16T    | 1.000  | 1.3750     | 2.1250  | 1.000      | 12                     | Stainless Steel | No              |
| GEK 8T     | 8.0mm  | 19.0mm     | 12.0mm  | 9.0mm      | 14                     | Stainless Steel | No              |
| GEK 12T    | 12.0mm | 16.0mm     | 26.0mm  | 12.0mm     | 10                     | Stainless Steel | No              |
| GEK 18T    | 18.0mm | 35.0mm     | 23.0mm  | 16.5mm     | 15                     | Stainless Steel | No              |
| GEK 20T    | 20.0mm | 40.0mm     | 25.0mm  | 18.0mm     | 14                     | Stainless Steel | No              |



## Standard Spacer

| Part #     | To fit eye size of | Width  | Finish      |
|------------|--------------------|--------|-------------|
| SP 8-4.7   | 1/2                | 4.7mm  | Zinc Plated |
| SP 8-8     | 1/2                | 8mm    | Zinc Plated |
| SP 10-5.5  | 5/8                | 5.5mm  | Zinc Plated |
| SP 10-10.5 | 5/8                | 10.5mm | Zinc Plated |
| SP 12-8    | 3/4                | 8mm    | Raw         |
| SP 12-10.5 | 3/4                | 10.5mm | Zinc Plated |



## High Misalignment Spacer

Custom spacers available on request

| Part #      | To fit Rod End      | Bolt Hole Size | Mounting Width | Misalignment Angle +/- | Finish          |
|-------------|---------------------|----------------|----------------|------------------------|-----------------|
| HM 5/1-12mm | XMR/L 10            | 12mm           | 44.5mm         | 32                     | Zinc Plated     |
| HM 5/8-1/2  | XMR/L 10            | 1/2 inch       | 44.5mm         | 32                     | Zinc Plated     |
| HM 3/4-12mm | XMR/L 12            | 12mm           | 47.5mm         | 32                     | Zinc Plated     |
| HM 3/4-1/2  | XMR/L 12            | 1/2 inch       | 47.5mm         | 32                     | Zinc Plated     |
| HM 3/4-5/8  | XMR/L 12            | 5/8 inch       | 47.5mm         | 25                     | Zinc Plated     |
| HM 1-3/4    | XMR 16, XMR/L 16-20 | 3/4 inch       | 59mm           | 33                     | Stainless Steel |



## Chassis mounts

**Body Material:** 4140 chromoly

**Feature:** stepped flange for easy welding, designed for maximum rod end misalignment.



| Part # | For bolt size | Thread    | Overall Length | Flange Dia | Flange | Step Dia |
|--------|---------------|-----------|----------------|------------|--------|----------|
| CM8B   | 1/2           | Blank     | 16mm           | 24mm       | 5mm    | 20mm     |
| CM8RH  | 1/2           | Right UNC | 16mm           | 24mm       | 5mm    | 20mm     |
| CM10B  | 5/8           | Blank     | 16mm           | 26mm       | 6mm    | 24mm     |
| CM10RH | 5/8           | Right UNF | 16mm           | 26mm       | 6mm    | 24mm     |
| CM12B  | 3/4           | Blank     | 20mm           | 30mm       | 8mm    | 28mm     |
| CM12RH | 3/4           | Right UNF | 20mm           | 30mm       | 8mm    | 28mm     |

## Rod end boots



Made to assist the longevity of rod ends in muddy/dusty conditions by keeping contaminants away for the ball and race.

The use of ties is recommend on the moulded groove at all three openings to seal the boot from contaminants entering.

Fit is best when used with high misalignment spacers but can be used with standard spacers.

| Part # | To fit Rod End      |
|--------|---------------------|
| Boot8  | 1/2 bodied rod ends |
| Boot10 | 5/8 bodied rod ends |
| Boot12 | 3/4 bodied rod ends |



## Three Piece

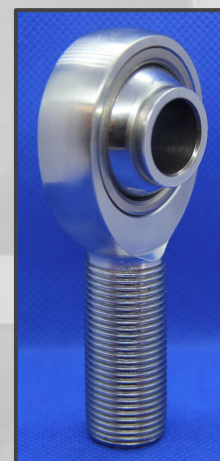
For those looking for a premium and/or high misalignment rod end you can not go by our three piece rod ends. As an outcome of precise tight tolerance construction methods and a hidden teflon mat these rod ends have a precision fit even with hours of use. With the double spiggott's no spacers are required when mounting.

**Protective coating:** Chrome plated, **Lining:** Hidden teflon mat for self-lubrication and smooth running

**Threads:** Rolled threads, **High Misalignment:** Prefixed with an "H"

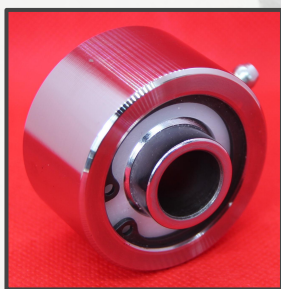
**Ball:** 52100 steel, heat treated and hard chrome plated, double spiggotted

| Part #<br>Left Hand | Part #<br>Right Hand | Eye  | Thread | Misalignment<br>Angle +/- | Ball<br>Width | Chromoly<br>Grade |
|---------------------|----------------------|------|--------|---------------------------|---------------|-------------------|
| HML 5-6 YS          | HMR 5-6 YS           | 5/16 | 3/8    | 26                        | 0.8125        | 4140              |
| HML 6-7 YS          | HMR 6-7 YS           | 3/8  | 7/16   | 27                        | 0.8125        | 4140              |
| HML 7-8 YS          | HMR 7-8 YS           | 7/16 | 1/2    | 26                        | 0.8750        | 4140              |
| HML 8-10 YS         | HMR 8-10 YS          | 1/2  | 5/8    | 25                        | 0.9375        | 4140              |
| HML 10 YS           | HMR 10 YS            | 5/8  | 5/8    | 26                        | 1.2000        | 4140              |
| N/A                 | HFR 10 YS SS         | 5/8  | 5/8    | 25                        | 1.2000        | 4140              |
| HXXML 10-12 YS      | HXXMR 10-12 YS       | 5/8  | 3/4    | 25                        | 1.2000        | 4340              |
| PXXML 8             | PXXMR 8              | 1/2  | 1/2    | 12                        | 0.6250        | 4340              |
| PXML 8-10 DS        | PXMR 8-10 DS         | 1/2  | 5/8    | 18                        | 0.9375        | 4140              |
| PXML 8-10 DS1       | PXMR 8-10 DS 1       | 1/2  | 5/8    | 18                        | 1.0000        | 4140              |
| PXXML 10            | PXXMR 10             | 5/8  | 5/8    | 14                        | 0.7500        | 4340              |
| PXXML 10-12         | PXXMR 10-12          | 5/8  | 3/4    | 16                        | 0.7500        | 4340              |
| PXXML 12            | PXXMR 12             | 3/4  | 3/4    | 14                        | 0.8750        | 4340              |



## Rebuildable Joint

Known by many as the "O'Halloran Joint" due to the extensive research and development undertaken by John O'Halloran over many years. These joints are rebuildable allowing you to remove any dirt and when the time comes replace the inserts. Featuring a grease nipple and a housing made from Carbon Hollow Bar. The ball is manufactured to achieve a low friction high sheen finish.



| Part #      | Housing Style | Housing Width | Housing OD | Ball Eye Hole | Misalignment<br>Angle +/- |
|-------------|---------------|---------------|------------|---------------|---------------------------|
| C/M10 24-50 | Circlipped    | 24mm          | 50mm       | 5/8           | 15                        |
| C/M10 28-50 | Circlipped    | 28mm          | 50mm       | 5/8           | 10                        |
| C/S10 28-56 | Circlipped    | 28mm          | 56mm       | 5/8           | 22                        |
| C/S10 32-56 | Circlipped    | 32mm          | 56mm       | 5/8           | 15                        |
| C/S10 28-60 | Circlipped    | 28mm          | 60mm       | 5/8           | 22                        |
| C/S12 28-56 | Circlipped    | 28mm          | 56mm       | 3/4           | 17                        |
| C/S12 32-56 | Circlipped    | 32mm          | 56mm       | 3/4           | 10                        |
| C/S12 28-60 | Circlipped    | 28mm          | 60mm       | 3/4           | 17                        |



## Torsion Bar Control Arm Pivot & Stops

Designed in-house to solve the problem of a torsion bar control arm's lack of lateral movement, this product eliminates the need to slide the control arm along a bolt thus eliminating binding under load.

**Material:** 7075 T6 Aluminium, or 4140 Chromoly

**Spline:** Sprint car bar spline - 48 x 1 1/8

**Mounting width:** To fit an arm that is maximum of 2 inches high



## Aluminium Radiators, Weld Ons, Honeycomb & Honeycomb Ties

Universal three core race radiator, ideal for Superstocks, Stockcars and Ministocks.

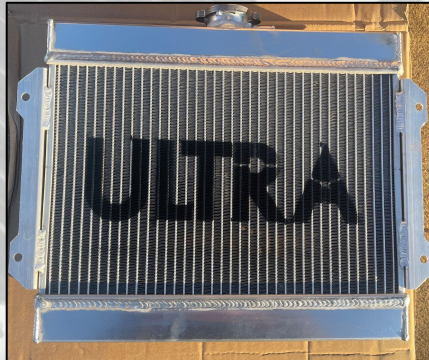
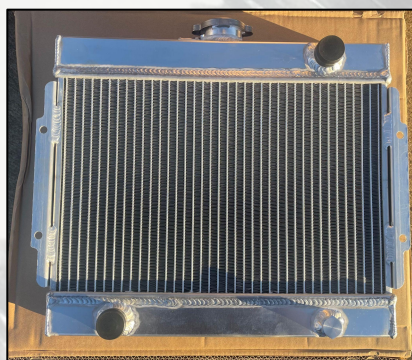
A dual pass radiator has increased the cooling as the coolant enters via the top hose, passes across the top half of the core, returns via the bottom half of the core and out the bottom hose.



Stockcar & Superstock Radiator: Dual Pass Blank  
Ministock Radiator: Single Pass with Fittings

Sold as a blank with hose fitting options of Weld Ons , Pipes & Filler Neck (AN 4, AN6, AN8, AN10, AN12, AN16, AN20), (32mm, 35mm, 38mm, 40mm, 45mm)

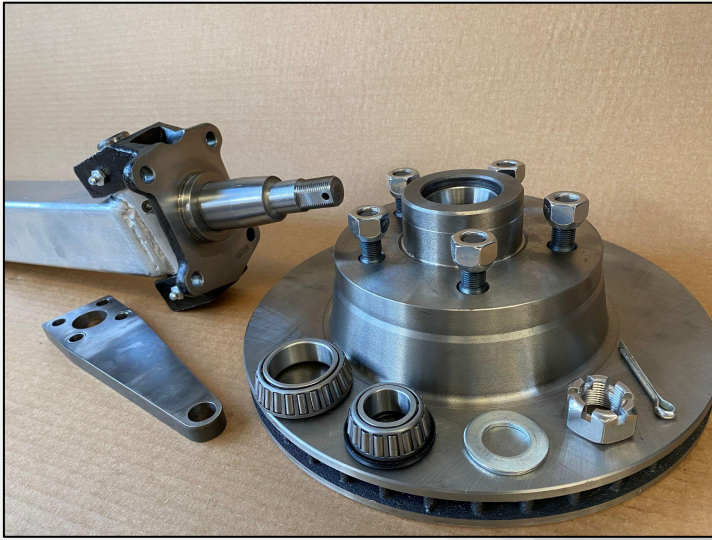
We also offer the option of customising the radiator to suit your needs.



| Part #    | Width (mm)             | Height (mm)            | Depth (mm) | Specification                       |
|-----------|------------------------|------------------------|------------|-------------------------------------|
| URAD001   | 560                    | 480                    | 70         | Dual Pass (blank)                   |
| URAD002   | 575                    | 585                    | 80         | Dual Pass (blank)                   |
| URAD003   | 450 (including mounts) | 370 (including filler) | 70         | Top right inlet, bottom left outlet |
| Honeycomb | 500                    | 625                    | 12         | Polycarbonate                       |



# Beam Axle and Stubs for Stockcar & Superstock



Our Beam and Stubs have been designed and selected with performance, strength and budget in mind.

The advantages are huge:

- A larger diameter kingpin (25mm) for strength
- A considerably lower scrub radius - lighter steering and the exposed wheel area is shorter
- Lower profile - reducing clearance issues
- They are universal between sides - only have to carry one spare
- They use an easily available standard Ford hub/rotor making sourcing of the wearable part easy

## Residual Brake Pressure Valve

Ultra Race Products residual pressure valves retain a minimum brake line pressure to help eliminate excessive pedal travel in disc brakes. The 2PSI valve is used in disc brake applications where the brake master cylinder is mounted below the horizontal plane of the calipers and fluid drain back occurs from gravity and vibration.



Bare beam Axle & Stub

- 1x beam axle - High strength seamless steel - 60 x 60 x 4 box section - made to customer specified length
- 2x stub axles made from high tensile steel 40Cr, heat treated with an angle of 11.5 degrees

Also available:

- Bolt on steering arms
- Hub and vented rotors - Ford 5 stud pattern (5 x 114.3) 287mm diameter, 24mm thick, included x10 chrome wheel nuts
- Wheel bearing - inner & outer

## GM Fitment Brake Calipers & Pads

Ultra Race Products GM fitment Stockcar Calipers  
Will fit up to 1" wide rotor.  
Inlet thread is 10mm x 1.5 pitch

LH & RH side available  
Brake pads to suit also available

Caliper mounts can also be provided by request.





## Steel & Aluminium Steering Wheels



15" Steel & Aluminium 2" Dished Steering Wheels with rubber grips.

Multiple 3 bolt centres with 3 x 1/4" diameter holes and 3 x 5/16" diameter holes.

## Steering Universal Joint

For race applications only.

Sizes:

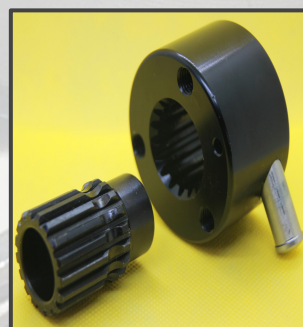
- 3/4 smooth - 3/4 smooth
- 3/4 smooth - 30 spline



## Steering Wheel Quick Release

Push button release hub available in two shaft styles, splined or hex. Designed to be welded onto a 3/4" steering shaft.

Also available is an adaption plate to take the hub from 3 bolt to 6 bolt 70mm PCD e.g. Momo



## Hydraulic Release Bearing

Direct replacement for a Howe Hydraulic Release Bearing.

Designed for racing classes that require a stock type clutch. Easy to install by replacing one bolt at the front of the transmission. Designed to sit on the transmission snout. Bearing comes with conical shims for static height adjustment.

The I.D of the bearing is 1.379". Compressed it is 1.688" thick and extended it reached 2.375" providing the .688" of travel.

Comes with flat faced thrust bearing, however a domed thrust bearing is available for purchase separately.





# Stagger Tape

Used to measure tyre circumference.

10' long

1/4 " wide steel tape



# Ultra Race Products Hat Coilover Spanner

Coilover adjustment tool.



# Polyurethane 3 Cell Inflatable Lumbar Pad

This lumbar pad allows the driver to control the specific amount of inflation within the 3 cells. During the inflation, the driver can apply pressure onto the pad therefore directing air to the required areas.

This fills the empty space between the race seat and your back.

300mm x 160mm

