

## TSM Rod end MSL-M22-DUNLOP - MSL-M22-DUNLOP

<https://www.123bearing.com/bearing-housing/rod-end/tsm/msl-m22-dunlop>

**MALE ROD ENDS**

**DUNLOP**

**MS SERIES: MS - MSS - MS SS**

**Description:**  
MS Series is our 3-piece steel on steel range of male rod ends incorporating a high strength PTFE bronze mesh between the ball and the liner material, suitable for high shock loads and medium to heavy mechanical load applications requiring low friction, available in both metric and imperial bore thread sizes, they do not require maintenance.

**Material Specifications:**  
Housing: Steel 230M4779s and forged 080M44, zinc plated and clear trivalent passivate and stainless steel 303L and forged 304. Inner Ring: Steel 070M20 zinc plated and clear trivalent passivate. Liner: High strength PTFE bronze mesh composite. Ball: Bearing steel 150Cr6 heat treated, polished & electroless nickel plated and stainless steel 440C.

**Features:**  
Metric & imperial thread & bore sizes, low friction, high shock loads, extended wear life, no maintenance, stainless steel options.

**Possible Applications:**  
Medium/heavy industrial mechanical applications, construction equipment, agricultural equipment, motor sport and recreational vehicles requiring high precision motion control.

**Temperature Range:**  
-200°C to +250°C

**Specification:**  
ELV & RoHS compliant

**Housing:** Steel 230M4779s (Sizes M3 - M12), Forged 080M44 (Sizes M16 - M22), Zinc Plated and Clear Trivalent Passivate

**Inner Ring:** Steel 070M20, Zinc Plated and Clear Trivalent Passivate

**Ball:** Bearing Steel 150Cr6, Case Hardened and Electroless Nickel Plated

| Part No. Right Hand | Part No. Left Hand | Bore Size | Thread   | W  | H     | D  | L1 | L2 | O     | Static Load Rating (Newtons) Radial |
|---------------------|--------------------|-----------|----------|----|-------|----|----|----|-------|-------------------------------------|
| MSL-M22             |                    | 22        | M22x1.50 | 28 | 20.00 | 54 | 84 | 51 | 25.80 | 52,750                              |

**Interchange table**

| Dunlop        | Rose | Aurora            | Askubal | SKF    | ASAHI  | IKO     | Fluro |
|---------------|------|-------------------|---------|--------|--------|---------|-------|
| MS-M (metric) | MHC  | MM-M-T and MB-M-T | K&P     | SAKH-F | JAM-EC | POS-EC  | GASW  |
| MS (imperial) | RMC  | MM-T and MB-T     | -       | -      | -      | POSB-EC | -     |

Note: Manufacturers part numbers are used for descriptive purposes only and may not be direct equivalent products.

For stainless steel add 'SS' to part no. For example 'MS-M05 SS'

## PRODUCT FEATURES

|                  |                  |
|------------------|------------------|
| Brand            | DUNLOP           |
| N° Ean13         | 3663952559568    |
| Inside diameter  | 22 mm            |
| Outside diameter | 54 mm            |
| Thickness        | 28 mm            |
| Type             | TSM              |
| Thread           | Left-hand thread |
| Lubrication      | without          |
| Static load      | 0.0528 kN        |
| Packaging        | 1                |

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