



# **DUNLOP**

## **LINKAGES**



**English**



**Español**



**Italiano**



**Deutsch**



**Français**



**Nederlands**



**Polskie**

### **Linkages**

Vínculos entre • Collegamenti • Gestänge

Liens • Verbanden • powiązania

**116**



## LINKAGES



## LINKAGES

**Description:**

We specialise in the supply of custom rod-based linkages, ready to fit and quality guaranteed, from end-to-end. Major manufacturers of construction, navigation and hospital equipment, through to farm tractors, food processing machinery and beer pumps depend on Dunlop resources for complete linkages, cost reductions and improved efficiency.

**Rod Based Linkages:**

Aluminium 6082 T 6. Brass CW 609 N (CZ 121). Carbon steel strip CS 70. Plastics Nylon 6, nylon 66 with molybdenum disulphide and nylon 66 30% glass-filled polyurethane. Steel: Rods 040 A 10 and 080 A 42, turned parts 230 M 07 pb, stainless 303 S 31.

**Features**

Reduced part numbers  
Reduced suppliers  
Eliminates stock imbalance  
Cost savings  
Bespoke designs available

**Possible Applications**

Light to heavy industrial/mechanical applications  
Construction equipment  
Agricultural equipment  
Industrial equipment

**Temperature Range**

-200°C to +260°C

**Specification**

ELV & RoHS compliant

**Custom rod-based linkages**

In addition to our standard range of ball joints, rod ends, clevises and spring pins, we specialise in the supply of custom rod-based linkages, ready to fit and quality guaranteed, from end-to-end.

Besides the savings on your own in-house costs, there are invisible savings to be made from reduction in part numbers, suppliers and inventory variety, as well as stock imbalance elimination.

**Cost reductions & improved efficiency**

Major manufacturers of construction, navigation and hospital equipment, through to farm tractors, food processing machinery and beer pumps depend on Dunlop resources for complete linkages, cost reductions and improved efficiency.

Why not join them?

**Bespoke design service**

Take advantage of our design co-operation service from initial application appraisal, through costings and prototypes to I.S.I.R approval and production supply.

## Linkage Rods

We specialise in the production of straight or bent formed rods incorporating rolled or cut right hand or left hand threads.

To provide added strength and avoid the on-cost of turning and thread-cutting, we recommend that linkage rods are quoted to be manufactured from threading rolling size mild steel material, with ends cropped and thread rolled for greater strength and economy. The rolling diameters range from 2mm up to 12mm or inch equivalents, rod lengths range from 12mm up to 3m. Threads include BA, BSF, BSW, ISO Metric, UNC & UNF.

However, quotations for cut threads are also available on request. When enquiring, please specify the overall rod length, minimum thread lengths, thread pitch and size and whether right or left hand. If required, to facilitate adjustment, please advise the position of the pressed flats or an identity/adjustment knurl, which are normally positioned near the LH thread end.

A combination of right and left hand threads on both the rod and linkage components allows precise assembly length adjustment without disconnection. Right/left hand threaded products can only be adjusted to within one thread pitch.

The standard finish is zinc plated and white/blue passivated (silver/clear) including routine Deng-embrittling, where relevant, our codes F39 or F47. At time of enquiry, please confirm that this finish is acceptable to you.

## Non standard Linkage components

The flexible manufacturing techniques used in the production of linkage components featured in this catalogue, allow non-standard derivatives to be readily manufactured.

We already produce hundreds of customer specials with varying dimensions, thread forms and features and welcome your enquiries.

## Custom rod-based linkages

Purchasing complete linkages, rather than multi-sourced items, reduces part numbers, suppliers, inventory variety and eliminates stock imbalance. Product quality is guaranteed from end-to-end. To benefit from the knowledge we have gained from so many earlier application challenges, we recommend that you allow us to review your linkage design for component and cost-saving recommendations.

Linkage assemblies are built and shipped loose for final adjustment at the point of fit. Alternatively, where required, by using length-setting gauges, linkages can be supplied to pre-determined fixed centres.

## Warranty

We will replace, free of charge, any product found to have a defect in materials or workmanship. However, the company is not responsible for defects which result from unsuitable product selection and application, abuse, incorrect assembly or incorrect adjustment of its linkage products.

## Continuing improvement

The information contained in this publication is intended to assist the specifier and user in the selection and application of products and is believed to be reliable. However, it is the responsibility of the specifier and user to determine suitability for purpose, methods or apparatus and to adopt such safety precautions as may be advisable.

We operate a policy of continuing improvement and reserves the right to amend specifications, without prior notice.

