

## HI-LEX Control Cables

Flexible Drive introduces you to its range of cable operated remote control systems. We are Australia's best repairer, designer and manufacturer of control cables.

The cables and levers together with a range of complementary items offer quality and reliable systems that can simplify, reduce costs, and improve the overall efficiency of many mechanical control functions.

The items we offer are a mix of products made in Australia in our Melbourne factory together with items drawn from a number of the world's leading suppliers of mechanical controls and systems.

The HI-LEX cable line is manufactured under licence to HI-LEX Corporation, the world's largest and most resourceful cable company.

We have further developed the product range to provide the world's widest possible coverage of the equipment needs in Australia and NZ.

Flexible Drive recognises many customers require the supply of cables at short notice and our facilities and ordering system are equipped to provide a rapid supply of cables and controls to get equipment back into service fast. Many standard length cables are held in stock and can usually be shipped in 24 – 48 hours of receipt of your order.

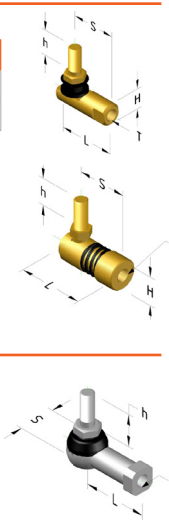
### Standard Ball Stud Ends

| Part No. | Series | T         | H    | h    | S    | L    |
|----------|--------|-----------|------|------|------|------|
| 2406381  | 80     | 10 - 32"  | 11.1 | 11.1 | 22.2 | 29.4 |
| 2406382  | 100    | 1/4" - 28 | 11.9 | 14.3 | 24.6 | 33.3 |

| Part No. | Series | T          | H    | h    | S    | L    |
|----------|--------|------------|------|------|------|------|
| 2406378  | 100    | 1/4" - 28  | 14.3 | 14.3 | 24.6 | 31.8 |
| 2406379  | 120    | 5/16" - 24 | 17.5 | 15.9 | 28.6 | 36.9 |
| 2406380  | 140    | 3/8" - 24  | 22.2 | 19.1 | 34.9 | 44.5 |

### Metric Ball Joints

| Part No. | Series | T   | h     | S     | L    |
|----------|--------|-----|-------|-------|------|
| 2406306  | 100    | M6  | 14.5  | 18.55 | 38.4 |
| 2406308  | 120    | M8  | 17.15 | 22.05 | 45.9 |
| 2406310  | 140    | M10 | 19.9  | 26.95 | 55.8 |



### Clevises

#### Imperial (Cast & Plated)

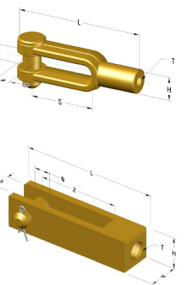
| Part No. | Series | d    | h    | S     | L     | H     | T         |
|----------|--------|------|------|-------|-------|-------|-----------|
| 2406416S | 80     | 1/4  | 1/4  | 1.25" | 2.25" | 0.45" | 10/32UNF  |
| 2406417S | 100    | 5/16 | 5/16 | 1.45" | 2.55" | 0.53" | 1/4-28UNF |

#### Imperial (Machined)

| Part No. | Series | d    | h     | S    | L    | H     | T          |
|----------|--------|------|-------|------|------|-------|------------|
| 2406416  | 80     | 3/16 | 3/16  | 1.0" | 1.6" | 0.37" | 10x32UNF   |
| 2406417  | 100    | 1/4  | 9/32  | 1.0" | 1.9" | 0.47" | 1/4-28UNF  |
| 2406418  | 120    | 5/16 | 11/32 | 1.6" | 2.6" | 0.63" | 5/16-24UNF |
| 2406419  | 140    | 3/8  | 7/16  | 2.0" | 3.2" | 0.78" | 3/8-24UNF  |

#### Metric (Machined)

| Part No. | Series | d  | h  | S  | L  | H  | T         |
|----------|--------|----|----|----|----|----|-----------|
| 2406408  | 80     | 5  | 5  | 25 | 41 | 10 | M5 x 0.8  |
| 2406409  | 100    | 6  | 6  | 30 | 49 | 12 | M6 x 1.0  |
| 2406410  | 120    | 8  | 8  | 40 | 66 | 16 | M8 x 1.25 |
| 2406411  | 140    | 10 | 10 | 50 | 82 | 20 | M10 x 1.5 |

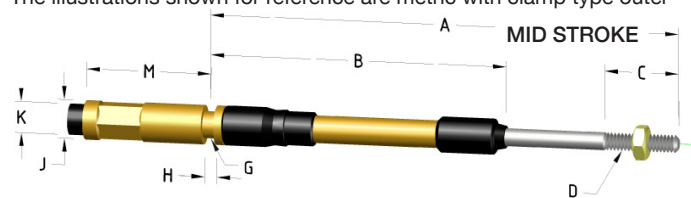


## Step 1 Choose a thread size & cable series

Determine the correct thread size, either imperial or metric, as this will determine the cable series

- 80 = 3/16" - 32 UNF OR M5 X 0.8
- 100 = 1/4" - 28 UNF OR M6 X 1.0
- 120 = 5/6" - 24 UNF OR M8 X 1.25
- 140 = 3/8" - 24 UNF OR M10 X 1.5

The illustrations shown for reference are metric with clamp type outer



| Series | Stroke | A     | B     | C    | D         | G     | H   | J     | K     | M    |
|--------|--------|-------|-------|------|-----------|-------|-----|-------|-------|------|
| 80     | 50     | 134.0 | 85.0  | 20.0 | M5 x 0.8  | Ø6.5  | 3.5 | Ø11.0 | Ø8.0  | 33.0 |
|        | 75     | 171.5 | 110.0 |      |           |       |     |       |       |      |
|        | 100    | 209.0 | 135.0 |      |           |       |     |       |       |      |
| 100    | 50     | 141.0 | 90.5  | 22.0 | M6 x 1.0  | Ø9.5  | 4.3 | Ø13.0 | Ø10.0 | 43.0 |
|        | 75     | 178.5 | 115.5 |      |           |       |     |       |       |      |
|        | 100    | 216.0 | 140.5 |      |           |       |     |       |       |      |
| 120    | 50     | 153.5 | 98.0  | 25.0 | M8 x 1.25 | Ø11.5 | 5.3 | Ø15.0 | Ø12.0 | 50.0 |
|        | 75     | 191.0 | 123.0 |      |           |       |     |       |       |      |
|        | 100    | 228.5 | 148.0 |      |           |       |     |       |       |      |
| 140    | 50     | 167.0 | 106.0 | 30.0 | M10 x 1.5 | Ø13.5 | 6.4 | Ø17.0 | Ø14.0 | 56.0 |
|        | 75     | 204.5 | 131.0 |      |           |       |     |       |       |      |
|        | 100    | 242.0 | 156.0 |      |           |       |     |       |       |      |

## Step 2 Choose a grade of material

- S - Standard carbon steel (most common)
- D - Deluxe stainless steel (Marine)

## Step 3 Choose a length of stroke

Specify a length of Stroke

**inches** for imperial (1, 2, 3 or 4)  
**millimetres** for metric (25, 50, 75 or 100)

OTHER STROKE  
SIZES AVAILABLE

## Step 4 Choose an outer case fitting

**B** Bulkhead - Swivel end

**C** Clamp Type - Swivel end

**D** Hydraulic Valve (Imperial)

**E** Bulkhead Type - Rigid end

**G** Handle Control Head  
Alternative knobs available

**H** Bulkhead Type

**M** Weather Proof Code M2 =  
Code M with 2400185 Dust Cover

**M3** Micro-Adjust Control Head

**P** Plain Type End Fitting

**Q** Q Series Vernier Quick Connect  
Control Head (Detachable)

**R** Remote Valve Control

**S** Hydraulic Valve (Metric)

**T** Twist-Lock Control Head  
Alternative knobs available

**U** Bulkhead Plain End

**V** VOFA Hydraulic Control

**W** Rack and Pinion

Special Requirements to be described in detail

## Step 5 Choose overall length using diagram below

Please specify in metres

The code is made from the following alphabetical and numerical symbols and if followed carefully will ensure that your order is fulfilled exactly to your requirements.

**I S -10 -3 -BC -0.900**

**Thread Series**

- I - Imperial
- M - Metric

**Grade of Material**

- S - Standard Carbon Steel
- D - Deluxe Stainless Steel

**Cable Series**

Casing Dia. in millimetres:

- 8mm - 80 Series
- 10mm - 100 Series
- 12mm - 120 Series
- 14mm - 140 Series

**Length of Stroke**

Specify in inches for Imperial threads  
Specify in millimetres for Metric threads

**Outer Casing Fittings**

- B Bulkhead - Swivel end
- C Clamp Type - Swivel end
- D Hydraulic Valve (Imperial)
- E Bulkhead Type - Rigid end
- G T Handle Control Head
- H Bulk-head Type
- M Micro-Adjust Control Head
- P Plain Type End Fitting
- Q Vernier Head - Quick Connect
- R F.D.A. Remote Valve Control
- S Hydraulic Valve (Metric)
- T Twist-Lock Control Head
- U Bulkhead Plain End
- V VOFA Hydraulic Control
- W Rack and Pinion
- X Special Requirements  
To be described in detail



Therefore a cable IS-10-3-BC-0.900 is a 900mm long 100 Series assembly with 3"stroke, bulkhead fitted at the input end and clamp type fitted at the output end, made from standard grade material and Imperial thread sizes.

OR

The cable MD-8-75-GB-2.500 is a 2.5 metre long, 80 Series assembly with 75mm stroke, a "T" handle control head fitting and a bulkhead type swivel output end fitting made from deluxe grade materials with metric thread sizes.