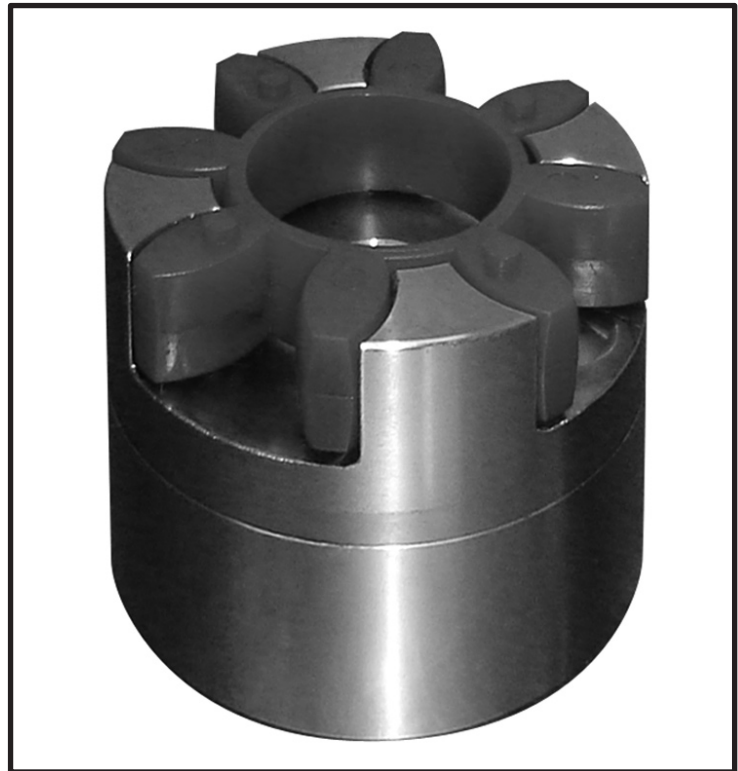


# ROTRANS Curved Stainless Steel Jaw Shaft Coupling



- 1. Stainless steel construction manufactured by I-TRANS in 304 S/S.**
- 2. Compact, high torque to size ratio.**
- 3. Excellent dynamic characteristics.**
- 4. Polyurethane element**  
(Operating temperatures  $-40^{\circ}$  to  $100^{\circ}$   
With peaks up to  $120^{\circ}\text{C}$ )
- 5. Excellent oil & wear resistance**
- 6. Good angular, radial & axial displacement.**  
(Up to: angular  $1.3^{\circ}$ , Parallel 0.6mm,  
axial 4.6mm).
- 7. Coupling design creates minimal backlash.**
- 8. Curved jaw increases power output.**
- 9. Design safe due to meshing jaws**  
(Still operational if elastomeric element should fail).
- 10. Minimal maintenance.**
- 11. Will not rust or corrode.**
- 12. Tolerant to weather and outside conditions.**
- 13. With bore and standard keyway capabilities of up to 50mm.**



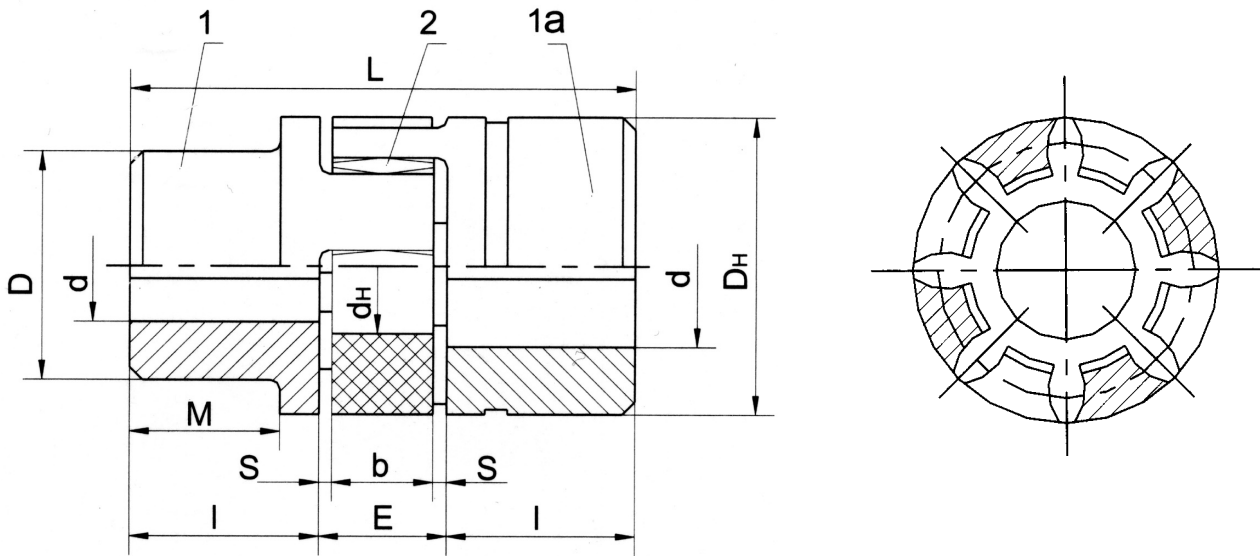
## Application:

Curved Jaw S/S Couplings are ideal for harsh working and chemical environments particularly where a compact, strong, hard wearing flexible coupling is required. The S/S construction gives the coupling excellent dynamic characteristic which means it will operate smoothly and safely at high speeds. It is well suited for the food industry where washdowns are concerned. It is also tolerant to chemical exposure. Because of the coupling's characteristics and versatility they are ideal for hydraulic drive applications and are comfortable working in both planes, vertical and horizontal.

## Engineering Services:

- 1. Shaft Coupling specialists & specialist engineers/manufacturers**
- 2. Coupling design & manufacture.**
- 3. CNC production capabilities.**
- 4. Bore & Keyway services.**
- 5. Taper Lock boring & supply.**

# ROTRANS Curved Stainless Steel Jaw Shaft Coupling



## ROTRANS Coupling Specifications

| Type | Style | Pilot Bore | Finished Bores |      | Dimensions |     |     |     |    |     |     |    |     |
|------|-------|------------|----------------|------|------------|-----|-----|-----|----|-----|-----|----|-----|
|      |       |            | dmin           | dmax | b          | D   | DH  | dh  | E  | I   | L   | M  | S   |
| GE19 | 1     |            | 6              |      | 12         | 35  | 40  | 18  | 16 | 25  | 66  |    | 2.0 |
|      | 1a    |            |                | 24   |            |     |     |     |    |     |     |    |     |
| GE24 | 1     |            | 8              |      | 14         | 44  | 55  | 27  | 18 | 30  | 78  |    | 2.0 |
|      | 1a    |            |                | 28   |            |     |     |     |    |     |     |    |     |
| GE28 | 1     |            | 10             |      | 15         | 48  | 65  | 30  | 20 | 35  | 90  |    | 2.5 |
|      | 1a    |            |                | 38   |            |     |     |     |    |     |     |    |     |
| GE38 | 1     | 11         | 12             |      | 18         | 66  | 80  | 38  | 24 | 45  | 114 | 37 | 3.0 |
|      | 1a    |            |                | 45   |            |     |     |     |    |     |     |    |     |
| GE42 | 1     | 13         | 14             |      | 20         | 75  | 95  | 46  | 26 | 50  | 126 | 40 | 3.0 |
|      | 1a    |            |                | 55   |            |     |     |     |    |     |     |    |     |
| GE48 | 1     | 14         | 15             |      | 21         | 85  | 105 | 51  | 28 | 56  | 140 | 45 | 3.5 |
|      | 1a    |            |                | 60   |            |     |     |     |    |     |     |    |     |
| GE55 | 1     | 18         | 20             |      | 22         | 98  | 120 | 60  | 30 | 65  | 160 | 52 | 4.0 |
|      | 1a    |            |                | 70   |            |     |     |     |    |     |     |    |     |
| GE65 | 1     | 20         | 22             |      | 26         | 115 | 135 | 68  | 35 | 75  | 185 | 61 | 4.5 |
|      | 1a    |            |                | 75   |            |     |     |     |    |     |     |    |     |
| GE75 | 1     | 28         | 30             |      | 30         | 135 | 160 | 80  | 40 | 85  | 210 | 69 | 5.0 |
|      | 1a    |            |                | 90   |            |     |     |     |    |     |     |    |     |
| GE90 | 1     | 38         | 40             |      | 34         | 160 | 200 | 100 | 45 | 100 | 245 | 81 | 5.5 |
|      | 1a    |            |                | 100  |            |     |     |     |    |     |     |    |     |

The coupling can be supplied complete in the design of Hub 1(2 hubs and a red element).

Hubs can be supplied individually to make a coupling with hubs 1 and 1a or 1a and 1a plus an element.

Elements can be purchased separately in red (hard) or yellow (medium) see specifications.

With the above Hubs sizes 1-1a can be mixed and matched for different size shafts to create a coupling or large hubs only.