

## Features

- Metric One Piece Rigid Couplings With Keyway
- Bore tolerance  $+0.012/+0.050$  mm
- Material – Steel C45 (EN8) (Black Oxide)
- Precision machined bore = Ra 0.8
- Patchlock Anti-Vibration Screws
- Recommended shaft tolerance  $+0 / - .013$  mm

## RS PRO Rigid Coupling

RS-Stock Number:

0606006, 0606007, 0606008, 0606009

0606010, 0606011, 0606012, 0606013

0606014, 0606015



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

*RS PRO Rigid couplings are ideal for applications requiring precise, inflexible shaft connections. Rigid couplings do not permit radial or axial motion in the shaft between the driver and the driver unit, so they operate as a single shaft. Rigid couplings are primarily used in vertical applications. They offer high torque transmission, reliable performance, and are widely used in industries where shaft alignment is critical. However, they are best suited for applications where there is no room for misalignment, as they do not tolerate movement or vibration.*

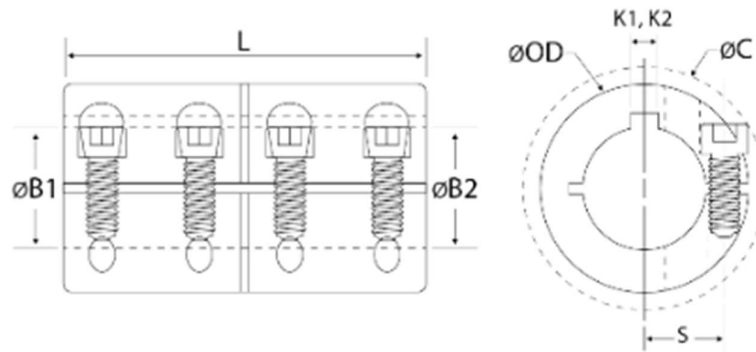
## General Specifications

|                   |                   |
|-------------------|-------------------|
| Material          | Black Oxide Steel |
| Coupling Type     | Shaft Coupling    |
| Series            | RCSK              |
| One / Two Piece   | One Piece         |
| Metric / Imperial | Metric            |

## Mechanical Specification

|                             |                                 |
|-----------------------------|---------------------------------|
| Material                    | Steel C45 (EN8) (Black Oxide)   |
| Bore tolerance              | +0.012/+0.050 mm                |
| Precision machined bore     | Ra 0.8                          |
| Fastening Type              | Patchlock Anti-Vibration Screws |
| Recommended shaft tolerance | + 0 / - .013 mm                 |

## Mechanical Specification



| Stock No.           | Bore<br>$\varnothing B1$ & $B2$ | Outside<br>Diameter<br>$\varnothing OD$ | Length<br>$L$ | Screw<br>Lock<br>$S$ | Clearance<br>diam. $C$<br>(mm) max | Keyway<br>$K1, K2$ | Forged<br>clamp<br>screw |
|---------------------|---------------------------------|-----------------------------------------|---------------|----------------------|------------------------------------|--------------------|--------------------------|
| Unit of measure: mm |                                 |                                         |               |                      |                                    |                    |                          |
| 0606006             | 6                               | 18                                      | 30            | 5.9                  | 21.5                               | 2                  | M3                       |
| 0606007             | 8                               | 24                                      | 35            | 9                    | 27.1                               | 2                  | M3                       |
| 0606008             | 10                              | 29                                      | 45            | 10.6                 | 33                                 | 3                  | M4                       |
| 0606009             | 12                              | 29                                      | 45            | 10.6                 | 33                                 | 4                  | M4                       |
| 0606010             | 14                              | 34                                      | 50            | 12                   | 39.4                               | 5                  | M5                       |
| 0606011             | 15                              | 34                                      | 50            | 12                   | 39.4                               | 5                  | M5                       |
| 0606012             | 16                              | 34                                      | 50            | 12                   | 39.4                               | 5                  | M5                       |
| 0606013             | 20                              | 42                                      | 65            | 15.4                 | 48.9                               | 6                  | M6                       |
| 0606014             | 25                              | 45                                      | 75            | 16.9                 | 51.5                               | 8                  | M6                       |
| 0606015             | 30                              | 53                                      | 83            | 20.9                 | 58.7                               | 8                  | M6                       |

