

# NOWARUN Torsional Rubber Spring Datasheet

Rubber suspension units, oscillating mountings and tensioner devices. These elements replace a coil spring, a pivot bearing and a damper with one maintenance free component.

## AB Oscillating Mounting

Type AB oscillating mountings are elastic suspension elements engineered for high vibration isolation and low residual force transmission in vibrating process machinery. Sized across 7 standard ratings to handle load ranges from 50 N to 10000 N per element, they deliver a low natural frequency of approximately 2 to 3 Hz. NOWARUN manufactures these oscillating units to customer technical drawings and application requi

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|----------------------------|-------------------------------------------------------|
| <b>Product Type</b>        | AB Oscillating Mounting                               |
| <b>Load Capacity Range</b> | 50 N to 10000 N per element                           |
| <b>Size Variations</b>     | 7 sizes                                               |
| <b>Natural Frequency</b>   | Approx. 2-3 Hz                                        |
| <b>Packaging</b>           | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>              | Hangzhou, Zhejiang, China                             |

## DR-S Rubber Suspension Unit

The DR-S is a rubber suspension unit engineered with a steel housing, a steel inner core, and a steel tube intended for plug-in connections. Finished in yellow protection paint, each unit incorporates standard rubber inserts that provide torsional damping, oscillation absorption, and elastic bearing support. Sourced from Hangzhou Nowarun Industrial Co., Ltd., units are produced to customer drawings rather than catalo

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|----------------------------|-------------------------------------------------------|
| <b>Housing Material</b>    | Steel                                                 |
| <b>Inner Core Material</b> | Steel                                                 |
| <b>Connection Type</b>     | Steel tube for plug-in connection                     |
| <b>Inserts</b>             | Standard rubber                                       |
| <b>Surface Finish</b>      | Yellow protection paint                               |
| <b>Packaging</b>           | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>              | Hangzhou, Zhejiang, China                             |

## DR-C Rubber Suspension Unit

The DR-C rubber suspension unit uses a steel outer housing and an inner steel core separated by standard rubber inserts, designed with a steel tube configuration for plug-in connection. Finished in yellow protection paint, this torsional rubber spring assembly isolates vibration and absorbs mechanical shock through the elastic deformation of the internal rubber cords. NOWARUN supplies these units manufactured to cust

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|----------------------------|-------------------------------------------------------|
| <b>Connection Type</b>     | Steel tube for plug-in connection                     |
| <b>Housing Material</b>    | Steel                                                 |
| <b>Inner Core Material</b> | Steel                                                 |
| <b>Insert Material</b>     | Standard rubber                                       |
| <b>Finish</b>              | Yellow protection paint                               |
| <b>Packaging</b>           | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>              | Hangzhou, Zhejiang, China                             |

## DR-A Rubber Suspension Unit

Type DR-A is a rubber suspension unit designed for machinery mountings, built using a light metal profile or steel housing depending on the unit size. For sizes starting from 60, both the housing and the inner core are constructed out of steel. The components are finished with a protective yellow print. NOWARUN supplies these units to customer drawings or equipment specifications from Hangzhou, China.

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|-----------------------------------------|-------------------------------------------------------|
| <b>Product Type</b>                     | Rubber Suspension Unit                                |
| <b>Model</b>                            | DR-A                                                  |
| <b>Profile Material (Smaller Sizes)</b> | Light metal profile                                   |
| <b>Material (From Size 60)</b>          | Housing and inner core made out of steel              |
| <b>Surface Finish</b>                   | Yellow protection print                               |
| <b>Packaging</b>                        | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>                           | Hangzhou, Zhejiang, China                             |

## DK-S Rubber Suspension Unit

The DK-S rubber suspension unit combines a light metal outer profile with an inner steel tube configured for plug-in connection, protected by a yellow finish. Manufactured by NOWARUN in Hangzhou, China, to customer drawings or samples, it delivers elastomeric suspension and damping functions across industrial machinery construction, food processing, agriculture, and material handling systems without requiring standar

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|-------------------------|-------------------------------------------------------|
| <b>Model</b>            | DK-S                                                  |
| <b>Housing Material</b> | Light metal profile                                   |
| <b>Inner Core</b>       | Steel tube for plug-in connection                     |
| <b>Surface Finish</b>   | Yellow protection paint                               |
| <b>Packaging</b>        | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>           | Hangzhou, Zhejiang, China                             |

## DK-A Rubber Suspension Unit

DK-A rubber suspension units are engineered for alternating motions that pass over the neutral element position in machinery mountings. Built with a light metal profile or a steel housing from size 60 upward, the assembly uses an inner square made out of steel and is finished in green protection paint. NOWARUN manufactures these units according to customer drawings and specifications for industrial machinery applicat

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| <b>Model</b>                 | DK-A                                                  |
| <b>Motion Type</b>           | Alternating motions over neutral element position     |
| <b>Housing Profile</b>       | Light metal profile; as from size 60 in steel         |
| <b>Inner Square Material</b> | Steel                                                 |
| <b>Surface Finish</b>        | Green protection paint                                |
| <b>Packaging</b>             | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>                | Hangzhou, Zhejiang, China                             |

## NR Standard Tensioner Device

Types NR is a standard tensioner device manufactured with a powder metallurgy housing, a steel inner core, and Rubmix 10 rubber inserts. Designed for operational temperatures ranging from -40 deg C to +80 deg C, the unit uses steel parts finished in NOWARUN green paint. NOWARUN supplies these components to drawing or specifications from Hangzhou, China, for belt and chain tensioning applications across heavy industrial equ

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| <b>Model</b> | Types NR |
|--------------|----------|

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|----------------------------|-------------------------------------------------------|
| <b>Housing Material</b>    | Powder metallurgy                                     |
| <b>Inner Core Material</b> | Steel                                                 |
| <b>Rubber Quality</b>      | Rubmix 10                                             |
| <b>Working Temperature</b> | -40 deg C to +80 deg C                                |
| <b>Surface Finish</b>      | Steel parts NOWARUN green painted                     |
| <b>Origin</b>              | Hangzhou, Zhejiang, China                             |
| <b>Packaging</b>           | PP bag, carton, crate, box or to customer requirement |

## NR-B Boomerang Tensioner Device

Types NR-B tensioner devices are built for tensioning very long chain and belt drives using a boomerang configuration that provides triple compensation. Produced by NOWARUN, these units combine a powder metallurgy housing, a steel inner core, and Rubmix 10 rubber inserts rated for operating temperatures from -40 C to +80 C. External steel parts are finished with Nowarun grey printing to protect the assembly in indust

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <b>Model</b>                 | Types NR-B                                            |
| <b>Design Characteristic</b> | Boomerang with triple compensation                    |
| <b>Housing Material</b>      | Powder metallurgy                                     |
| <b>Inner Core Material</b>   | Steel                                                 |
| <b>Rubber Inserts</b>        | Rubmix 10                                             |
| <b>Working Temperature</b>   | -40 C to +80 C                                        |
| <b>Surface Finish</b>        | Nowarun grey printed steel parts                      |
| <b>Packaging</b>             | PP bag, carton, crate, box or to customer requirement |
| <b>Origin</b>                | Hangzhou, Zhejiang, China                             |

## NR-F Front Mounting Tensioner Device

Types NR-F front mounting tensioner devices provide chain and belt tensioning on frames where rear access is impossible. Designed specifically for blind-hole frames, the device secures entirely from the front using a quality 12.9 hex socket screw. The construction combines a powder metallurgy housing, a steel inner core, and Rubmix 10 rubber quality rated for working temperatures from -30 C to +90 C. Steel parts are

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| <b>Mounting Type</b>       | Front mounting (fixation from the front only)         |
| <b>Application Frame</b>   | Blind-hole frames                                     |
| <b>Housing Material</b>    | Powder metallurgy                                     |
| <b>Inner Core Material</b> | Steel                                                 |
| <b>Rubber Quality</b>      | Rubmix 10                                             |
| <b>Hardware Grade</b>      | Hex socket screw quality 12.9                         |
| <b>Working Temperature</b> | -30 C to +90 C                                        |
| <b>Steel Parts Finish</b>  | Nowarun green painted                                 |
| <b>Packaging</b>           | PP bag, carton, crate, box or to customer requirement |