

DYNASYST™ COIL SPRINGS

GENERAL PRODUCT INFORMATION

DYNASYST coil springs are manufactured from steel wire according to the DIN EN 10270-1 standard.

DYNASYST coils and spring wire are mechanical components intended for incorporation into fabricated applications requiring elastic force generation. The selection, configuration, and application of the components are determined by the professional user according to the requirements of the intended application.

Orfit provides pre-shaped coils in different configurations, as well as spring wire that can be shaped into customized coils according to the required application.

PRODUCT RANGE

DYNASYST springs are available in different pre-coiled spring wires:

Art. No.	Description
35800	Finger coil spring (10 pcs.)
35801	Knuckle bender coil spring (10 pcs.)
35802	Finger extension assist (10 pcs.)
35804	Wrist extension coil spring (10 pcs.) (5 pcs. left + 5 pcs. right)
35805	Spring wire (steel)

PRECAUTIONS BEFORE USE

- Ensure the workplace is well ventilated.
- Use appropriate tools and ensure safe handling during preparation and assembly.
- Ensure a comfortable and stable working position during use.

WORKING TECHNIQUE

1. Ensure that at least one leg of the coil is bent into a U-shape designed to be sandwiched between

two layers. Avoid sharp bends, angles, or notches

that may create weak points.

2. Position the coil so that the intended patient movement causes the coil to wind up.
3. Whenever possible, align the coil with the physiological axis of movement.
4. To secure the coil arm, heat the arm first and integrate it into plastic layers by melting it into the material.
5. Bend the free coil leg into a U-shape.
6. Adjust the coil strength by increasing or decreasing the number of coils turns using spring coil pliers.
7. To replace a coil, heat the coil arm to release it from the sandwiched fixation, remove the coil, and replace it with a new one.

MAINTENANCE AND STORAGE

No specific maintenance and storage conditions apply to this product.

USER INFORMATION

The qualified professional responsible for the preparation, application, or integration of the product into the final application shall provide the user with appropriate information regarding its use, maintenance, and limitations. The user should follow the instructions provided for the correct use of the final application. Contact the qualified professional if adjustments, modifications, or further guidance are required.

GENERAL SAFETY ADVICE

- Use caution when cutting or modifying springs to avoid injury from sharp edges or tools.
- For external use only. Do not use it on open wounds or in the mouth.
- Heating coils may cause burns. Handle heated components with care.
- DYNASYST components may only be modified or incorporated by qualified professionals.

ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets, and regulatory information, please visit our website www.orfit.com

Note:

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Ref. No. 31210

VERSION 9

LAST UPDATE: 13/07/2026

REVISION DATE: 13/07/2028