

Technical Data Sheet

protect.Co

Rev: 03/2022

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1 Product description

Intended purpose

protect.Co is a knee support brace which function based on the 4-point principle using limitation of extension / flexion.

Indications

All indications that require reinforcement of the physiological stabilisation of the knee joint and/or stress relief of the joint, such as:

- Following injury to the collateral ligament (post-traumatic/postoperative)
- Following injury to the cruciate ligament (posttraumatic/postoperative)
- For knee instability
- Following meniscal injury
- For knee osteoarthritis

Contraindications

None known at present

Risks / Side Effects

If the aids are too tight, this can cause local pressure sores or constriction of blood vessels or nerves. Therefore you should consult the doctor treating you before you use it if the following circumstances apply to you:

- Condition or injury of the skin in the area of application, particularly with infectious indications (excessive heat, swelling or reddening)
- Paraesthesia and circulatory disorders (e.g. as seen in diabetes, varicose veins)
- Lymph drainage disorders – equally, swelling of soft tissue adjacent to the area of application which is not related to a condition

When wearing snug-fitting aids, this can result in localised skin inflammation or irritation that is due to mechanical irritation of the skin (particularly in conjunction with sweating) or due to the composition of the material.

1.1 Material composition

Polyamide, elastane, aluminum, PU, polyester

1.2 Presentations

size	circumference	article number
XS	31 – 37 cm	G.730.521
S	37 – 45 cm	G.730.522
M	45 -51 cm	G.730.523
L	51 – 57 cm	G.730.524
XL	57 – 65 cm	G.730.525
XXL	65 – 74 cm	G.730.526

Product measurements

Größe	x-small	small	medium	large	x-large	xx-large
Length orthosis	39 cm	39 cm	39 cm	39 cm	39 cm	39 cm
Length strap 1	59 cm	62 cm	66 cm	74 cm	80 cm	85 cm
Length strap 2	51 cm	59 cm	60 cm	69 cm	76 cm	83 cm
Length strap 3	48 cm	52 cm	55 cm	62 cm	69 cm	77 cm
Length strap 4	47 cm	50 cm	52 cm	61 cm	66 cm	75 cm
Width top	43 cm	45 cm	50 cm	53 cm	59 cm	61 cm
Width bottom	31 cm	34 cm	38 cm	41 cm	45 cm	50 cm
Weight	410 g	425 g	440 g	450 g	460 g	480 g

1.3 Features

- Compressive and breathable spacer knit fabric
- Pleasant to wear, high level of breathability due to mesh material at the hollow of the knee
- Easy to handle thanks to wrap design
- Polycentric hinge
- Easy change of wedges, to be executed simply from the outside just using one screw
- Comprehensive set of wedges for flexible extension and flexion limitation

2 Safety instructions

Important notes

This medical device is made for single patient use only. If it is used for treating more than one patient, the manufacturer's product liability will become invalid. If undue pain or an unpleasant sensation develops while you are wearing the product, please consult your doctor or orthotist immediately. Do not wear the product over open wounds and use it only as instructed by your doctor or orthotist.

Only change the extension and flexion limits on instruction from your doctor or orthotist to do so. In order to prevent hyperextension, always insert extension wedges or 0° wedges. The wedges define the exact excursion of the orthosis. In difficult soft-tissue conditions, e.g. where the soft-tissues are under compression, it may be necessary to insert the larger wedge to limit the joint movement to the desired excursion. In addition, make sure that the orthosis joints are correctly positioned: the middles of the joints should be level with the upper border of the patella. The joint must lie behind the midline of the leg.

3 Storing conditions

Keep the brace in a cool, dry place and do not expose to direct sunlight.



4 Chemical substances

Contact with chemicals (e. g. benzole, methanol, salicylic acid in high concentrations) may have adverse actions on the effect of the product. Do not apply ointments or oils before putting on the product.

5 Care instructions

Please close the hook and loop fasteners before washing and remove the orthosis. Soap residues, lotions and ointments can cause skin irritation and material wear.

- Wash the product by hand, preferably using medi clean washing agent.
- Do not bleach.
- Leave to dry naturally.
- Do not iron.
- Do not dry clean.



6 Packaging/Labeling

Product is sent out in folded box with CE mark and manufacturer address. Product and box labeled for clear identification and traceability. Fitting instruction included.

7 Shelf Life

Expiration date for storage: 60 months

8 Disposal



The product can be disposed of in the domestic waste.

Please ensure a proper and suitable disposal of the used products to prevent any risk to human beings and the environment.