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### Product information for sliding door gears

In accordance with the definition of the liability of manufacturers for their products set out in paragraph 4 of the “Produkthaftungsgesetz” (German Manufacturer’s Liability Law), the following information on sliding door gear should be observed. Failure to do so absolves the manufacturer from liability.

#### Product information and use in accordance with intended purpose

Sliding door gear, according to this definition, are fittings for doors and other push-able elements, henceforth called objects, which are not normally moved faster than walking pace. Sliding door gear is used in vertically fitted doors made of wood, plastic, glass, aluminium or steel and appropriate combinations of these materials.

A floor guide is provided at the lower horizontal edge of the door. Special versions of products must be specified for damp rooms, direct exposure to the elements, exposure to cross winds, for installation near the sea and in highly corrosive conditions.

Correct installation by qualified personnel is a particularly important aspect of use for intended purpose. The object must be sufficiently rigid at all of these points. The function of the gear must not be hindered or altered by installation. A buffer must be used in order to limit the displacement path.

#### Misuse

Misuse - in other words use in a manner not in accordance with the intended purpose - can be said to occur in the following cases in particular:

- if the gear is used with a higher max. load than specified in the catalogue and in the other product documents,
- if incorrectly installed or attached,
- if ambient temperatures are too high or too low,
- if particularly aggressive media can affect the gear,
- if subjected to inordinately great pushing or pulling loads,
- if the position of the track deviates too greatly from the horizontal,
- if foreign bodies get into the track,
- if the rollers are operated too fast,
- if alterations are carried out without the manufacturer’s authorization,
- if obstacles are placed in the opening or between the door or the object thereby preventing intended use,
- if additional loads act upon the door or object,
- if someone is trapped between the door and the door frame while the door is being pushed or closed, or if a person or part of the body is in this area.

#### Product Performance

In cases where the performance of the product is not specifically described in the catalogues, brochures, instructions etc., special requirements must be discussed with and agreed by the manufacturer. Our regulations, which affect the composition of the sliding door gear, are binding.

#### Product Maintenance

Components of sliding door gear which are relevant to safety must be regularly inspected for proper fixing and signs of wear. Fixing screws are to be re-tightened and faulty components must be replaced. In addition, the following maintenance work must be carried out at least once a year:

- All moving parts are to be tested for free movement.
- In the case of running carriages with metal rollers, the moving parts must be greased (type of grease to be used on request). Plastic rollers must not be greased.
- Only use cleaning agents which do not impair the anti-corrosion protection of the gear.
- Faulty sliding door gears must be replaced.
- Adjustment work on the gears and the replacement must be carried out by qualified personnel.

#### Duty of Information and Instructions

The following sources of information are available to planners, specialist dealers, administrative personnel, building contractors and users by way of fulfillment of the duty of information and instruction:

- catalogues, brochures
- descriptions of tender, descriptions of offer
- mounting drawings, installation drawings
- maintenance and operating instructions.

In order to ensure correct use, proper functioning and maintenance and care of sliding door gear,

- architects and planners must request and apply the necessary product information,
- specialist dealers must take account of the product information and notes in the price lists, and in particular must request all necessary instructions and pass these on to the installation personnel,
- installation personnel must take account of all product information, and in particular must request operating and maintenance instructions and pass these on to the ordering party and the user.

#### Application for similar fittings

Sliding gear with horizontally installed objects, e.g., drawer guides or gear with vertical runner tracks must be handled according to their respective characteristics with respect to product information, use for intended purpose, misuse, product performance, product maintenance and servicing, and duty of information and instruction.

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