

# Risk assessment

(to DIN EN ISO 12100:2011-03)

FM 041

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Product designation:	HSB-Delta
Product number:	D90 to D240-C
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Definition of product limitations:	
Intended use:	The mechanical linear unit is designed for installation in indoor machinery and is solely intended for manipulating, positioning, transporting, palletising, loading, unloading, clamping, synchronising, tensioning, testing, measuring, handling and pressing of component parts or tools. The version of the mechanical linear unit as supplied by us is intended for installation in a machine or for assembly together with other machinery in order to form a machine. Commissioning must not take place until it has been determined that the machine in which this machine is to be installed complies with the provisions of the EC Machinery Directive in the form of 2006/42/EC. The respective performance data can be found in the catalogue.
Reasonably foreseeable misuse:	There are almost no limitations in terms of the application options. It is assumed that the applicable ASS guidelines will be adhered to and that both the installation and the operation of the linear unit will be performed by qualified technical personnel.
Spatial limitations:	The spatial limitations are determined by the external dimensions of the respective linear unit. As both the length and any attachment parts in particular may be completely different depending on the customer order, the external dimensions must be taken from the respective customer order.
Time limitations:	Several years, depending on application.
Environmental limitations:	Defined ambient temperatures: 0-80°C Protect the linear unit against: dirt, corrosion, water, aggressive atmosphere, etc.
Recommended maintenance:	Depends on the respective application. <b>Caution: observe installation and maintenance instructions!</b>
Interfaces:	
Interfaces to controls and machines:	Cable limit switch, mechanical mounting surfaces, drive shaft
Interfaces to energy supply:	24 V DC logic voltage (limit switch)
Defined user groups:	
Assembly and commissioning:	Technically qualified and instructed personnel
Normal operation	Technically qualified and instructed personnel
Maintenance/cleaning	Technically qualified and instructed personnel
Disassembly	Technically qualified and instructed personnel
Decommissioning and disposal	Technically qualified and instructed personnel

  
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