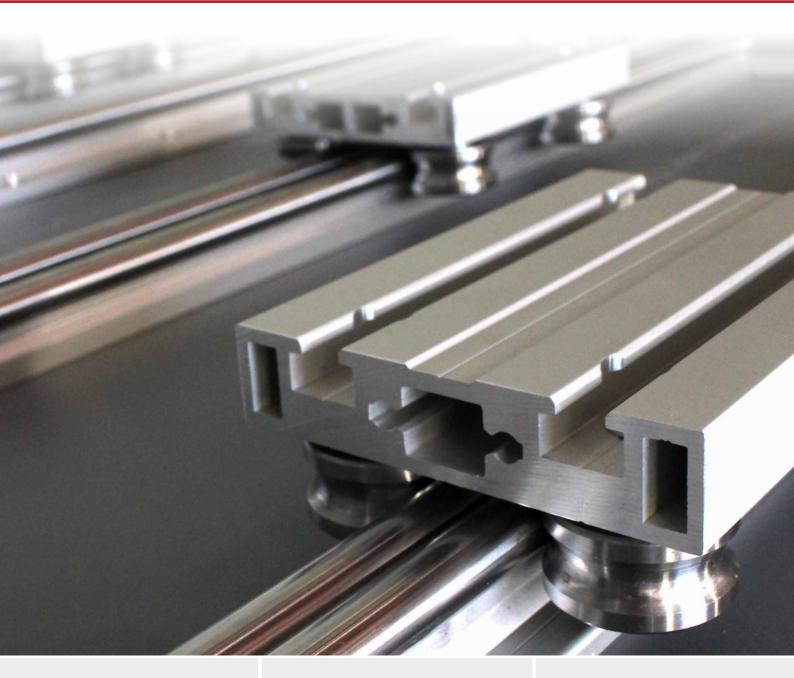




# **LINEAR GUIDES**









... for best quality and price...

## 36132 EITERFELD HESSE



Im Leibolzgraben 16		Phone	+49 (0) 6672-898-228
Land area	ca. 52.000 m <sup>2</sup>	Monday - Thursday	08:00 - 15:45 Uhr
Effective area	ca. 16.100 m <sup>2</sup>	Friday	08:00 - 14:00 Uhr

## 36124 EICHENZELL HESSE



Bürgermeister-Ebert-Straße 40		Phone	+49 (0) 6659-981-700
Land area	ca. 30.000 m <sup>2</sup>	Monday - Thursday	07:30 - 16:30 Uhr
Effective area	ca. 11.900 m²	Friday	07:30 - 14:00 Uhr

## D-36466 DERMBACH THURINGIA



Untere Röde 2		Phone	+49 (0) 36964-84-500
Land area	ca. 35.600 m²	Monday - Thursday	07:30 - 16:30 Uhr
Effective area	ca. 16.300 m²	Friday	07:30 - 14:00 Uhr

## **D-13627 BERLIN**



Adam-von-Trott-Straße 6/8		Phone	+49 (0) 30 34099-13
Land area	ca. 21.800 m²	Monday - Thursday	07:30 - 16:30 Uhr
Effective area	ca. 17.900 m²	Friday	07:30 - 14:00 Uhr

### **HISTORY**

The isel-group was founded in 1972 in Eiterfeld under the name ISERT-Elektronik as a one-man company. The company objectives during the initial years were the production and sales of systems and components based on

#### - printed circuit board production -

From these modest beginnings the **isel-group** has developed into a manufacturer and provider of electronics, software, automation systems, point of purchase display accessories and lifestyle consumer goods. The basis for all of our products and developments has been and continues to be innovative product design, efficient production and patented innovations.

Currently, the isel-group has 4 plant locations in Germany with a total of over 1,500,000 sq ft and several sales offices around the

From our modest beginnings we are a vertically integrated company with manufacturing plants for production and quality control, offices, warehouses and shipping facilities. The growth and success of the isel-group was and is based on the motivated, well-educated and experienced staff.

Besides salary and wages, we show our appreciation to our staff with our own company pension VIU, as well as additional bonuses based on our success.

### **PHILOSOPHY**

The isel-group with over 40 years of experience and competence, stands for competitive products and solutions in the areas of mechanics, electronics, software, systems, display and lifestyle because of:

- innovation and creativity
- quality and functionality
- efficiency and modularity
- price and performance

The main objectives of the **isel-group** are the development, production, sales and service of components and systems with intelligent motion control and automation.

The isel-group is an international combine of companies and investments targeting the capital equipment and consumables market with high value added products and vertical integration. We face the global challenges of the market and competition under the slogan

#### From Components to Systems made by ise! & made for ise!

The isel-group is committed to a humane and peaceful cooperation of all people together and with each other as well as liberal and humane working conditions regardless of race, color, religion, sex or national origin.

#### **PROGRAM**

- spindle and linear drives
- machine and vehicle parts
- aluminum profiles and frames
- linear guides and rotating devices
- motor control units and sensors
- enclosures and control panels
- stepper and servo motors
- linear and torque motors
- CAD/CAM and CNC programs
- PLC and network applications
- digitalisation and scan software
- operation and control applica-

- CNC machines and systems
- laser and water jet cutting
- automation and logistics
- handling and robotics
- promotion and sales
- scanners and digitalisier
- led- and laser applications
- video- and audio-exponates
- factory and office equipment
- e-mobiles and e-scooters
- health care and wellness
- solar and wind energy

tions

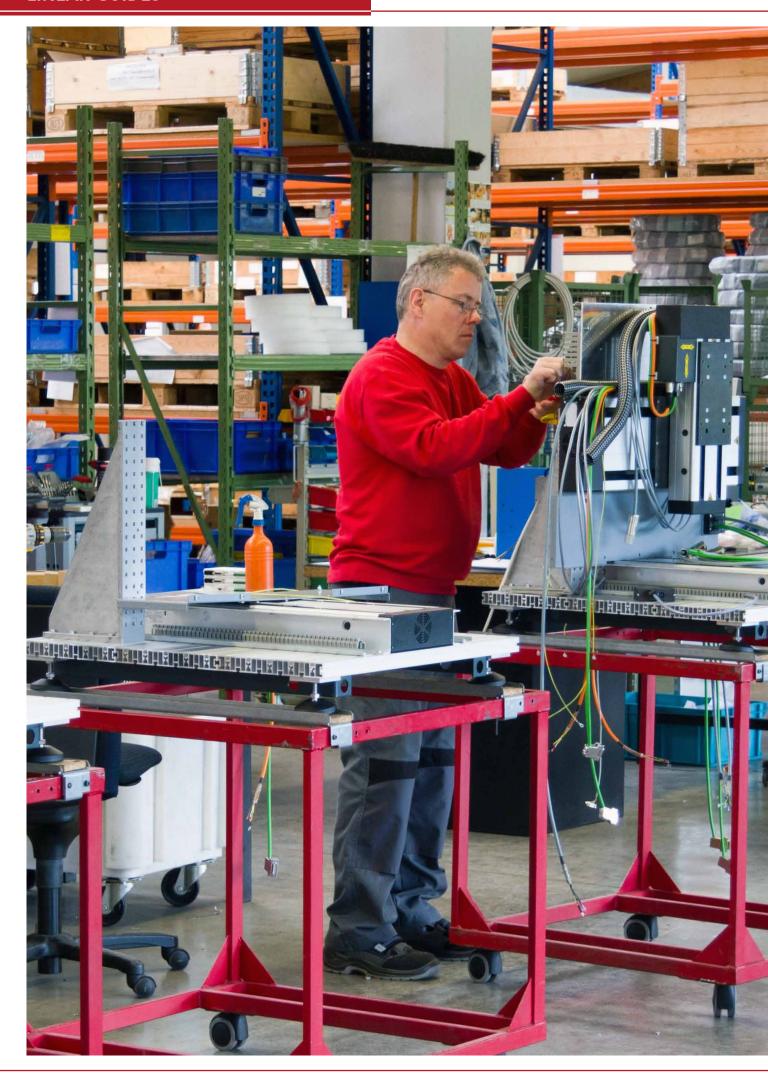
## www.isel.com



You can use our 3D CAD models and 2D drawings on Traceparts

www.tracepartsonline.net







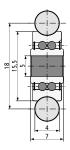
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## KLR 4

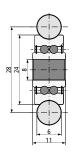




- Double row precision ball bearings (2RS)
- Suitable for radial and axial loads
- · Very smooth running due to outer plastic jacket
- Precision class (P6) as per DIN620

## KLR 6

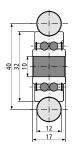




- Double row precision ball bearings (2RS)
- Suitable for radial and axial loads
- · Very smooth running due to outer plastic jacket
- Precision class (P6) as per DIN620

## **KLR 12**

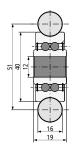




- Double row precision ball bearings (2RS)
- Suitable for radial and axial loads
- Very smooth running due to outer plastic jacket
- Precision class (P6) as per DIN620

## **KLR 16**





- Double row precision ball bearings (2RS)
- Suitable for radial and axial loads
- Very smooth running due to outer plastic jacket
- Precision class (P6) as per DIN620

## **ASSEMBLY KIT KLR 4**



#### Concentric:

- Roller pressed in, concentric cone
- Clamping bush, concentric, with screw and washer

#### Eccentric:

- Roller pressed in, eccentric cone
- Clamping bush, eccentric, with screw and washer

## ASSEMBLY KIT KLR 6 / PR 6



#### Concentric:

Clamping bush, concentric, with nut and washer

#### **Eccentric:**

Clamping bush, eccentric, with nut and washer

## **ASSEMBLY KIT KLR 12 / PR 12**



#### Concentric

 Clamping bush, concentric, with screw and washer

#### Eccentric:

Clamping bush, eccentric, with screw and washer

## **ASSEMBLY KIT KLR 16 / PR 16**



#### Concentric:

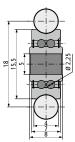
 Clamping bush, concentric, with screw and washer

#### Eccentric:

 Clamping bush, eccentric, with screw and washer

### **PR 4**

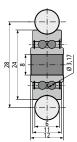




- Hardened and ground rollers for precision shaft Ø 4 mm
- Sliding surface with a Gothic arch profile, with 2-point contact for the idler shaft
- Two-row ball bearing, can be loaded axially in both directions
- Versions with cover plates

### **PR 6**

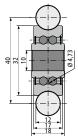




- Hardened and ground rollers for precision shaft Ø 6 mm
  - Sliding surface with a Gothic arch profile, with 2-point contact for the idler shaft
- Two-row ball bearing, can be loaded axially in both directions
- Versions with cover plates

### **PR 12**

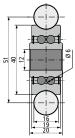




- Hardened and ground rollers for precision shaft Ø 12 mm
- Sliding surface with a Gothic arch profile, with 2-point contact for the idler shaft
- Two-row ball bearing, can be loaded axially in both directions
- Versions with cover plates

## **PR 16**





- Hardened and ground rollers for precision shaft Ø 16 mm
- Sliding surface with a Gothic arch profile, with 2-point contact for the idler shaft
- Two-row ball bearing, can be loaded axially in both directions
- Versions with cover plates

## **ASSEMBLY KIT PR 4**



#### Concentric:

- Roller pressed in, concentric cone
- Clamping bush, concentric, with screw and washer

#### Eccentric:

- Roller pressed in, eccentric cone
- Clamping bush, eccentric, with screw and washer

## ASSEMBLY KIT KLR 6 / PR 6



#### Concentric:

 Clamping bush, concentric, with nut and washer

#### Eccentric:

Clamping bush, eccentric, with nut and washer

## **ASSEMBLY KIT KLR 12 / PR 12**



#### Concentric:

 Clamping bush, concentric, with screw and washer

#### Eccentric:

Clamping bush, eccentric, with screw and washer

## **ASSEMBLY KIT KLR 16 / PR 16**



#### Concentric:

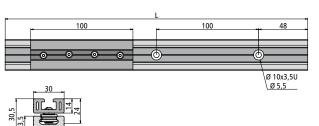
 Clamping bush, concentric, with screw and washer

#### Eccentric:

 Clamping bush, eccentric, with screw and washer

### LFI 4-30





#### Linear rail inner guide LSI 4-30

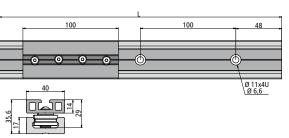
- Aluminium rail, natural anodised
- Inboard sliding surface for PR 4
- Width 30 mm, height 13.5 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 4-30

- · Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.11 kg
- Backlash-free adjustable through O-ring

### LFI 6-40





## Linear rail inner guide LSI 6-40

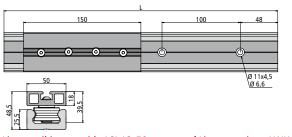
- · Aluminium rail, natural anodised
- Inboard sliding surface for PR 6
- Width 40 mm, height 17 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 6-40

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.2 kg
- Backlash-free adjustable through O-ring

### LFI 12-50





#### Linear rail inner guide LSI 12-50

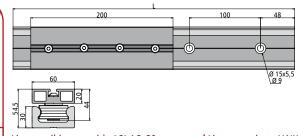
- Aluminium rail, natural anodised
- Inboard sliding surface for PR 12
- Width 50 mm, height 25.5 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 12-50

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.5 kg
- Backlash-free adjustable through O-ring

### LFI 16-60





#### Linear rail inner guide LSI 16-60

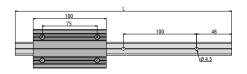
- · Aluminium rail, natural anodised
- Inboard sliding surface for PR 16
- Width 60 mm, height 30 mm
- Length up to 5996 mm on request

### Linear carriage LWK 16-60

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.9 kg
- Backlash-free adjustable through O-ring

### LFA 4-18







#### Linear rail aluminium LSI 4-18

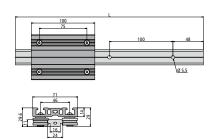
- · Aluminium rail, natural anodised
- Outboard sliding surface for PR 4
- · Width 18 mm, height 8 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 4-18

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.15 kg
- Backlash-free adjustable through O-ring

### LFA 6-24





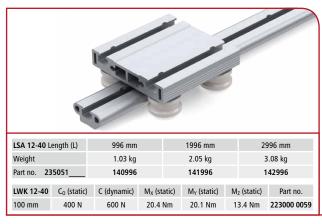
#### Linear rail aluminium LSI 6-24

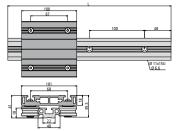
- Aluminium rail, natural anodised
- Outboard sliding surface for PR 6
- Width 24 mm, height 11 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 6-24

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 0.3 kg
- Backlash-free adjustable through O-ring

### LFA 12-40





#### Linear rail aluminium LSI 12-40

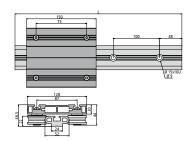
- Aluminium rail, natural anodised
- Outboard sliding surface for PR 12
- Width 40 mm, height 18 mm
- Length up to 5996 mm on request

#### Linear carriage LWK 12-40

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- · Material: Plastic, 0.6 kg
- Backlash-free adjustable through O-ring

## LFA 16-52





#### Linear rail aluminium LSI 16-52

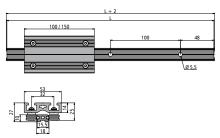
- Aluminium rail, natural anodised
- Outboard sliding surface for PR 16
- Width 52 mm, height 22 mm
- Length up to 5996 mm on request

#### | Linear carriage LWK 16-52

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Plastic, 1.2 kg
- Backlash-free adjustable through O-ring

### LFV 4-18



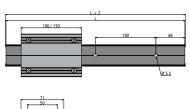


#### Linear rail aluminium composite LSV 4-18 | Linear carriage LWR 4-18

- Aluminium rail, natural anodised
- Ground steel shaft Ø 4 mm, h6
- Weight 0.6 kg/m, max. 2998 mm
- Length up to 5998 mm on request
- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 0.1 kg
- · Backlash-free adjustable with eccentric

### LFV 4-36



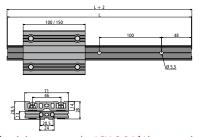


#### Linear rail aluminium composite LSV 4-36 | Linear carriage LWR 4-36

- · Aluminium rail, natural anodised
- Ground steel shaft Ø 4 mm, h6
- Weight 0.9 kg/m, max. 2998 mmLength up to 5998 mm on request
- Aluminium T-profile, natural anodised
  - 4 track rollers with ball bearing
- Material: Steel, 0.2 kg
- Backlash-free adjustable with eccentric

### LFV 6-24



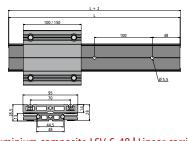


#### Linear rail aluminium composite LSV 6-24 | Linear carriage LWR 6-24

- Aluminium rail, natural anodised
- Ground steel shaft Ø 6 mm, h6
- Weight 1.0 kg/m, max. 2998 mm
- Length up to 5998 mm on request
- · Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 0.3 kg
- Backlash-free adjustable with eccentric

## **LFV 6-48**

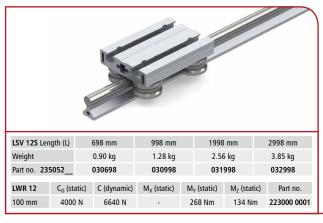


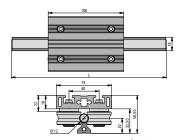


#### Linear rail aluminium composite LSV 6-48 | Linear carriage LWR 6-48

- · Aluminium rail, natural anodised
- Ground steel shaft Ø 6 mm, h6
- Weight 1.5 kg/m, max. 2998 mm
- Length up to 5998 mm on request
- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 0.4 kg
- · Backlash-free adjustable with eccentric

### **LFV 12S**



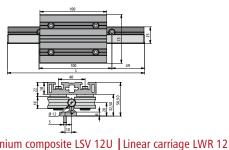


#### Linear rail aluminium composite LSV 12S

- Aluminium rail, natural anodised
- Ground steel shaft Ø 12 mm, h6
- Weight 1.28 kg/m, max. 2998 mm
- Length up to 5998 mm on request
- Linear carriage LWR 12
- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 0.8 kg
- Backlash-free adjustable with eccentric

### **LFV 12U**





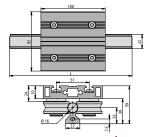
#### Linear rail aluminium composite LSV 12U

Length up to 5998 mm on request

- Aluminium rail, natural anodised
- Ground steel shaft Ø 12 mm, h6
- Weight 1.36 kg/m, max. 2998 mm
- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
  - Material: Steel, 0.8 kg
  - Backlash-free adjustable with eccentric

### **LFV 16S**





#### Linear rail aluminium composite LSV 16S

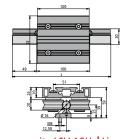
- Aluminium rail, natural anodised
- Ground steel shaft Ø 16 mm, h6
- Weight 2.25 kg/m, max. 2998 mm
- Length up to 5998 mm on request

#### Linear carriage LWR 16

- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 1.2 kg
  - Backlash-free adjustable with eccentric

### **LFV 16U**





#### Linear rail aluminium composite LSV 16U Linear carriage LWR 16

- Aluminium rail, natural anodised
- Ground steel shaft Ø 16 mm, h6
- Weight 2.36 kg/m, max. 2998 mm
- Length up to 5998 mm on request
- Aluminium T-profile, natural anodised
- 4 track rollers with ball bearing
- Material: Steel, 1.2 kg
- Backlash-free adjustable with eccentric

I. Area of application

1. The following conditions of sale shall apply to all goods delivery contracts concluded between
the purchaser and ourselves. The ordering and acceptance of goods delivered by us shall constitute
knowledge and/or confirmation of the customer's agreement with our conditions. These conditions shall
apply to all further business relations, even where no further agreement has been expressly concluded.
Any conflicting conditions on the part of the purchaser that have not been expressly acknowledged by
us shall not be binding, new where we have made no express objection to them. Any such conflicting
conditions are hereby expressly repudated in advance. The following sales conditions shall also
apply where we implement customer orders in the knowledge that conflicting or diverging conditions
stipulated by the purchaser exist.

Any agreement, alteration or arrangement shall be made in writing.
 Any agreements made between ourselves and the customer and relating to the purchasing contracts.

2-Aily begic fined in most converted in a fine and the contractual relationship between our company and Satisful be confirmed in writing.

4. These General Terms and Conditions and the contractual relationship between our company and Seller shall be subject to the law of the Federal Republic of Germany; the international harmonised law, in particular the United Nations Convention on Contracts for the International Sale of Goods (CISG),

5. In the case where Seller, in terms of the HGB [Handelsgesetzbuch — German Commercial Code], is a 5. In the case where Seller, in terms of the HGB [Handelspeset/bub- - German Commercial Code], is a body corporate under public laws pecial public-law special fund, the exclusive place of jurisdiction—also on an international level – for all legal disputes resulting from this contractual relationship shall be at our registered froit in Fulda. This shall be applicable accordingly in the case where Seller is an entrepreneur in terms of section 14 BGB [Bürgeriiches Gesetzbuch - German Civil Code]. However, we shall in each case have the right to institute legal proceedings at the place of fulfilment with respect to the delivery obligations on the basis of these General Terms and Conditions of Purchase and/or on the basis of prevailing individual agreements or at a general place of jurisdiction of Seller. Prevailing legal provisions, in particular those relating to exclusive competence, shall not be affected by this.

II. Quotation and conclusion of contract.

I. Purchasing contracts shall be conflueded on the basis of a customer purchase order. The acceptance of a purchase order shall be confilmed either by the forwarding of an order confirmation document to the customer or by the delivery of the goods ordered, within a period of two weeks in both cases.

2. Our offers are subject to change and are non-binding, unless expressly stated otherwise. The scope of our responsibilities is established exclusively in our written order confirmation document.

3. Any drawings or illustrations included in our quotation or order confirmation documentation and any information issued with respect to weights or dimensions shall be understood as approximate, unless

information issued with respect to weights or dimensions shall be understood as approximate, unless stated to the contrary, 4. All drawings, illustrations, accluations and other documents, materials, models, patterns and specifications are subject to property, copyright and other trade mark rights. These must be treated as confidential and may not be transferred to any third party without our written permission, irrespective of whether they are accompanied by any comment to that effect. 5. We accept to liability for any printing or calculation errors appearing in our literature or documentation on and we shall entertain no claims for damages linked thereto.

6 We reserve the right to make any necessary changes in product construction, technical specifications and performance features, provided they constitute a technical improvement.

and performance features, provided they consistine a technical improvement.

III. Prices and payment condition

1 Our prices are based on CIP dause of the Inconterns 2010 of the ICC (carriage and insurance paid to the agreed place of destination in accordance with Point V1. of these Terms and Conditions) including standard packaging and excluding VAT. Our calculations are made on the day on which the invoice is issued and are shown on the invoice.

2 Delivery shall be made following advance payment of invoice in "Euros".

3 All orders are based on the prices and price reductions valid at the time of delivery. Discounts shall only apply whereby an agreement with shall also be shown in our order confirmation document.

4 Payment on delivery terms must be expressly agreed in advance. The purchase price is shown as net (with no deduction) with immediate payment by the purchaser following referred. Payment on delivery terms must be expressly agreed in advance. The purchase price is shown as net (with no deduction) with immediate payment by the purchaser following enferted. Payment by the purchaser following and the payment are agreed to the full field not occurred to a fine of the purchaser of the purchaser following the purchaser following and the purchaser following the purchaser foll

IV. Delivery and relivery times

1. Delivery dates or periods shall be understood as non-binding provided no express agreement to
the contrary has been made. The delivery times specified by us shall only commence once all relevant
technical and implementation issues have been resolved.

2. The purchaser shall be obliged to implement all necessary requirements correctly and promptly. The

2. In the purchaser shall be obliged to implement all necessary requirements correctly and prompty, like agreed delivery period shall be extended - provided our rights have not been infininged by any purchaser payment arranars - by a period equal to the payment backlog that the purchaser has on the given (or any other) account. This shall also apply when a fixed delivery date has been agreed.
3. In the case of purchase contracts based on fixed date delivery as stipulated in Art. 286 Para. 2 No. 4 of the German Civil Code or Art. 376 of the German Commercial Code, we accept liability in accordance with current statutory provisions. The same shall apply where the purchaser, following delayed delivery for which we are responsible, is entitled to discontinue his interest in the further fulfillment of the contract. In this case, our liabilities table be limited for forecastals, burished, conviging damage. An ishallow. contract. In this case, our liability shall be limited to doreseeable, typically-occurring damage. No liability limitations shall apply where delayed delivery is related to any breach of contractual conditions caused

by our representatives or associates. We also accept liability in accordance with current statutory provisions for any negligence in respect to contractual conditions caused by our representatives or agents. Where delayed delivery is not related to any breach of contractual conditions caused by our representatives or agents. Where delayed delivery is not related to any breach of contractual conditions, our liability shall be limited to foreseeable, typically-occurring delayance.

Where delayed delivery relates to a breach of contractual conditions caused by our representatives or

4. Where delayed delivery relates to a breach of contractual conditions caused by our representative or agents, we accept liability in accordance with current statutory provisions, provided that compensation liability is restricted to forse-seable, typically-occurring damage.
5. In the event of delayed delivery for within we are responsible, the purchaser shall be entitled, for each full week of non-delivery, to a one-off compensation payment of 0.5% of the value of the delivery (wild to a maximum of 5 %).
6. We shall accept no additional liability for delay in delivery. Any further legal claims or purchaser rights above and beyond those relating to damage compensation and made in respect of delays in delivery for which we are responsible shall remain unaffected.

which we are responsible shall remain unaffected.

7. We shall be entitled to make partial delivery at any time, provided this is acceptable to the customer.

8. Delivery times are considered as fullfilled if the goods have been dispatched from our factory on time.

9. Under the onset of any conditions beyond our control, we shall be entitled to reschedule delivery or retire from any delivery contract, non-fulfillment notwithstanding. Conditions beyond our control shall be taken to mean strikes, look-outs or any other conditions that hinder delivery or make delivery impossible, irrespective of whether the said conditions affect us dirently or affect our suppliers. The purchaser shall be entitled to receive a declaration from us, as to whether we continue to deliver within a set period or retire from the delivery contract. In the absence of any such declaration, the purchaser himself shall be entitled to withdraw from the contract.

10. In the event of delays in acceptance on the part of the purchaser, we shall be entitled to claim compensation for any damage incurred and any additional expenditure. The same shall apply where the purchaser culpably infringes any obligation to cooperate. In the event of delays in acceptance and debtor default, the risk of accidental deterioration or loss of the goods shall transfer to the purchaser.

V Transfer of risk - shipment/packaging - delivery

I if delivery is made under dause CIP according to Intoream 2010 the ICC, then:
- Sandard deliveries nationally and Community countries to agreed delivery address (destination)
- Sandard deliveries nationally and Community countries to agreed destination
- Sandard deliveries to third countries to import-seaport as agreed destination
- Sandard deliveries to third countries is still with costs. For parts with oversize length from 6m, width 2.4m and height 2.3m (including packaging) delivery shall be ex owns additional packaging
2. The risk is transferred to the customer with the delivery of the goods to the first forwarding agent or carrier; at the latest however on leaving the factory or warehouse.

3. With regard to deliveries involving goods to be installed or assembled at the purchaser's premise, risk shall transfers on the favor a which the poords are commissioned into use or at the end of a site of the shall reader the contribution of t

3. With regard to deliveries involving goods to be installed or assemble at me purchases is premised, shall transfer on the day on which the goods are commissioned into use, or at the end of a given trial period where the said period has been agreed beforehand. In the event of any delay occurring during shipment or delivery to the purchase, any delay in the commencement or implementation of installation or assembly, any delay in commissioning or testing at the purchaser's premises or where any delay occurs for whatever resons in the acceptance of the goods by the purchaser (she shall be considered to have already transferred to the purchaser at the moment the goods were made ilable to hir

available to him.

4. In accordance with packaging regulations and with the exception of palettes, we will not accept the return of any packaging used for transportation or any other purpose. The purchaser shall be responsible for the proper disposal of any packaging delivered.

5. Where shipments is delayed at the request of the purchaser, or occurs due to his negligence, any subsequent warehousing costs and risks shall be the responsibility of the purchaser. The same shall papply in the case of notification of readmises for shipment.

6. With regard to the delivery of customer orders, the minimum order values shall be 100 EUROS (domestic) and 250 EUROS (abroad). These costs do not include VAT. The preparation costs for small deliveries below the minimum value for delivery within Germany shall be 50 EUROS (excluding VAT). These costs do not include postage and packing, We are unable to ship orders below the above-stated minimum value to addresses outside Germany.

7. Special orders, including goods ordered in quantities or with dimensions not stated in our catalogue, must be made in writing by the purchase. Such orders may be subject to an agreed advance payment. Where one off production orders in very large quantities are accepted by us, we reserve the right to deliver the goods with an appropriate quantity margin (normally ± 10%). Packaging charges are, as a general rule, calculated in accordance with manufacturing ossts.

VI. Guarantee / Iabulity

I.I. contractual relationships with registered traders, we guarantee our products defect free for a period of one year from arriving at the place of destination in accordance with VI of these Terms. 2. Milling spindles and other consumables are guaranteed defect free for a period of 6 months. This 6-month guarantee period also applies to milling spindles already integrated into machine

2. Milling spindles and other consumables are guaranteed detect free for a penol of 8 months. In this 6-month guarantee period also applies to milling spindles laready integrated into machine systems.
3. The technical advice we give is based on the best of our knowledge. However, we accept no liability for any information relating to the suitability and application of our goods and the purchaser is not exempt from the responsibility of conducting his own calculations, tests and trials. The purchaser shall be solely responsible for complying with any statutory provisions and trials. The purchaser shall be solely responsible for complying with any statutory provisions and trials. The purchaser shall be solely responsible for complying with any statutory provisions and road given application shall only be accepted where previously expressed in writing.
4. We accept lability for material defects, excluding any further claims - subject to the following provisions and those given under VIII. and IX. - as follows:
5. Any claims relating to defects submitted by the purchaser as registered trader shall only be upheld if the purchaser has properly carried out the necessary inspection and has fulfilled notification obligations in accordance with Article 377 of the German Commercial Code. Other purchaser shall florward their complaints to us in writing within 10 days of receipt of the goods. With regard to business with non-trade personnel, this shall only apply where the defects are apparent. Complaints shall only be considered where the goods are still in "as delivered" condition.
6. With regard to justified complaints relating to defects we shall be entitled, in excluding purchaser rights, to withdraw from the contract, to reduce the sales price or to honour our supplementary performance obligations. The purchaser shall allow us a reasonable period in which to provide uspeplementary performance, we full the purchaser shall allow us a responsion of in which to provide usupplementary perform

supplementary performance is deemed to have failed. The purchaser's right to claim damage compensation shall remain unaffected under the following conditions.

7. Goods may only be returned to us with our consent. Goods shall be returned in their original packaging or in packaging of similar value. The purchaser shall bear the full costs of shipment. Compensation shall only be made where the defect complaint is deemed justified. Where the customer allows us to test the goods and a defect is discovered, we accept liability; where no defect is found, we shall be entitled to sisue a charge for each component tested.

8. Warranty claims may be lodged by the purchaser up to one year after the goods are delivered, except in the case where we have knowingly hidden the fault, whereby statutory provisions shall apply, Our responsibilities, as stipulated in Section VI, 9 and Section VI, 10 shall in this case remain unafferen.

snar apply. Our regioniumies, as supulated in section v1, 3 and section v1, 10 stall in this case.

9. We are required in accordance with current legal provisions to accept the return of new goods delivered ror to reduce the purchase price without the setting of any requisite period if the purchaser's customer, as the end user of the new goods (sale of consumer goods), demands the return of the goods or a price reduction from the purchaser due to a defect or asserts a dain for recourse against the purchaser. In this case, we shall also be liable for compensating the

for recourse against the purchaser. In this case, we shall also be liable for compensating the purchaser's expenses, including transportation, travel, labour and material, incurred with respect to the end user due to the replacement of the deflective goods on the basis of transfer of risk from us to the purchaser. No claim made by the purchaser with regard to defect shall be supported, where the purchaser has failed to carry out the inspection and to fulfill notification obligations in accordance with Article 377 of the German Commercial Code.

10. No liability under Section (1), 9 shall be accepted where the defect relates to any advertising slogan or any contractual agreements not originating with us, or where the purchaser himself affords the end user any special guarantees. Lability shall also be defined where, based on statutory provisions, the purchaser himself has no warranty obligations in respect of the end user or where the complaints have not been made in respect of any claim made by him. The above shall also apply, where the purchaser has afforded the end user guarantees above and beyond the legal limit.

Stall also apply, where the procuseer has animous one can use quantities, above, and a separate the legal limit.

11. We shall be liable, independent of the following liability limitations and in accordance with the statutory provisions covering loss of life, bodily injury and damage to health caused by the deliberate or negligent actions of ourselves, our legal representatives or our agents, as well as for any damage covered by the German Product Liability At. We shall be liable in accordance with statutory provisions for any damage not included in Clause 1 caused by the deliberate act, gors negligence or due to any breach of contract committed by us, our legal representatives or our agents. In this case, compensation liability shall be limited to foreseeable, bytically-occurring damage, in so far as we, our legal representatives and our agents are not deemed to have acted wilfully. We shall also be liable in the context of this warranty and in respect of the goods or their components for the properties and/or life span guarantees we have given. We shall only be liable for damage relating to defects affecting the guaranteed quality or life span, but not directly relating to the goods themselves, where the risk of such damage is apparent from the quality and life span warranty.

liable for damage relating to defects affecting the guaranteed quality or life span, but not directly realising to the goods themselves, where the risk of such damage is apparent from the quality and life span warranty.

2. No further liability will be accepted without examination of the claims made; this shall apply in particular to tort claims or claims for the compensation of wasted expenses in lieu of performance; our liability as stipulated in Section IV, 6 - Section 6, 10 of this contract shall remain unaffected. Where our liability is limited or excluded, the same shall also apply to that of our employees, sub-contractors, representatives and agents.

13. Furchaser claims for defect damage compensation shall lapse one year after initial delivery of the goods. This shall not apply where we, our legal representatives or our agents are responsible for loss of life, bodily injury or damage to health or where we or our legal representatives have acted wilfully or negligently, or where our vicarious agents have acted wilfully.

14. In general, we accept no liability for any damage resulting from the following: incorrect or inappropriate use or stroage, faulty installation by the customer or by any third party, damage resulting from the customer's own attempts at servicing or modification, natural instances of wear, aluly or negligient handling, chemical attack, electrical faults, etc. over which we have no control, or damage resulting from improper use or the failure to comply with operating instructions or information sheets. Furthermore, our warranty conditions shall not apply where the customer or a third party makes any modification without prior written approval from us and without justification gives the proposal of the customer with the respective rights or of modifying head goods. In a way acceptable to the customers, what has no further that use of the delivered goods infininges German Copyright or Trade Mark Law, we will bear the costs of either providing the customer with the respective rights or of

the goods in a way acceptable to the customers such that no further breach of copyright law exists. Where it is not possible to restore appropriate commercial conditions within an acceptable period, the customer shall be entitled to withdraw from the contractu. Under these conditions, we also reserve the right to withdraw from the said contractual obligations. In addition thereto, we will exempt the customer from any increasable or legally established claims, in the contractual obligations. In addition thereto, we will exempt the customer from any increasable or legally fashibited delaims. 16. Our acceptance of liability shall be subject to current statutory provisions governing liability or infringements of copyright and rade mark law. Any liability under Article 15 shall only be accepted by us provided the customer immediately notifies us of the infringement of any copyright or trade mark law, provided he supports us to a reasonable extent in the defense of any claims made or allows us to make any relevant modification, provided all defensive measures, including extra-judicial provisions, are available to us, provided the customer is instruction and where there has been no breach of the alward provided the customer has made no modification to the delivered goods or used them in any way contrary to the provisions of the contract.

VII. Repairs and the return of goods

1. When requested, the purchaser shall be provided with cost estimates prior to any repair being undertaken. All costs relating to shipment and packaging shall be borne by the purchaser. Invoices for repair work shall be paid in full, with no deductions and immediately upon receipt. All repairs, including those made under warranty shall, under normal circumstances, be carried out in our repair facility, unless agreed to the contrary in writing.

2. Delivered goods will only be taken back with our consent and once any relevant fees have been agreed. Under normal circumstances, we will not accept the return of any specially-prepared goods or software!

goods or sortware: Goods dispatched or returned must always be accompanied by delivery documents or copies of invoice. The costs of returning goods shall be borne by the purchaser under "free to door"

III. Assembly

Installation work will be charged separately unless agreed to the contrary in writing.
Installation costs shall include travel costs and accommodation allowances, as well as the normal ates of payment for the work including supplements for overtime, night work, work carried out on Sundays and holidays and work carried out under difficult conditions, as well as for planning

on Sundays and holidays and work carried out under difficult conditions, as well as for planning and commissioning,

2. We shall invoice for all costs incurred in respect of preparatory work, travel, waiting times and communing time. The customer shall compensate us for any further waiting time, reveiling time and travelling costs incurred due to any delay in the starting or final commissioning of the said works, where the causes of such delays are beyond our control.

3. The customer shall bear all costs relating to the provision of any necessary auxiliary personnel and shall ensure that any tools needed are available in the required quantities. The customer shall also ensure the provision of suitably-sized, dry premises for the storage of machinery parts, apparatus, materials, tools, etc. The customer shall take appropriate measures to protect our property and that of our service personnel, equal to those he would take for the protection of his own property. Where the customer's operating conditions require the use of special cotting or protective equipment, he shall ensure that these are made available to our service personnel.

4. Our service personnel and auxiliary staff shall not be required to undertake any tasks not directly related to the implementation of our delivery and installation duties, unless prior agreement has been reached with us. Where such tasks are agreed, we accept no liability for any works

plemented by our personnel beyond the scope of our contractual responsibilities. Any installati-works carried out by the customer, or by any third party commissioned by him, must meet our rent operating and installation requirements.

#### rare, software use and additional quarantee

DC. Software, software use and additional guarantee and defect claims

1. With regard to any software supplied by us and all documentation belonging thereto, the customer shall be provided, in return for payment, with a non-expiring, non-exclusive, non-transferable user rights on an established or, in certain cases, yet to be specified hardware product. We shall remain the owner of the copyright and all associated trade marks. Any entitlement to produce copies shall be granted solely for the purposes of securing data. Copyright information must not be removed.

2. Instructions for installation and commissioning shall be supplied by us in a printed format together with safety advice relating to your software. All other documentation shall be supplied exclusively by us, in a software data format. Following the release of new software, all necessary software data relevant to the release will be sent together with software were software, we reserve the right to delives such documentation in the form of online help or online documentation.

3. Transfer to any third party may only be effected subject to our prior written consent. Acknowledgement of this condition must be obtained prior to the the transfer of software to a third party. No modifications shall be permitted.

4. Each and every infringement of these provisions shall be subject to a penalty amounting to I times the total value of the customer order. Any entitlement to further claims for compensation

No modifications shall be permitted.

4. Each and every infiregment of these provisions shall be subject to a penalty amounting to 10 times the total value of the usstomer order. Any entitlement to further claims for compensation shall remain unaffected. Contractual penalties shall be levied separately and in addition to any posterial further claims for damage compensation. The customer shall be entitled to provide evidence in support of any claim of reduced or negligible damage. The software and all documentation belonging thereto shall, in this case, be returned to under the software and all documentation belonging thereto shall, in this case, be returned to under the software developed and provided to meet individual customer requirements. Under the contract-related provision of control software, developed by us using modular multi-application software components (standard software modules), these are to be fitted and adapted in accordance with ucustomer-specific and contractual performance requirements (customer-specific applications program).

5. On payment of the full purchase price for the customer-specific application program, we shall provide the customer with exclusive, spatially- and temporally-unrestricted user rights. The customer will not be afforded any rights with regard to the standard software module on which the customer-specific adpartations are based, irrespective of the type of module.

7. We shall be entitled, irrespective of the type of module.

8. Subject to the provisions in VI, we undertake the quarantee for the correct duplication of our software. Our software in our software module on which the customer-specific adpartations are based, irrespective of the provisions for internal operational purposes.

8. Subject to the provisions in VI, we undertake the quarantee for the correct duplication of our software. Our software is designed to run on hardware products specified by us. Our warranty obligations shall be fuffilled throught the delivery of replacement parts. We undertake no quar

1. The goods delivered (goods subject to the retention of title) shall remain our property until suct time as all debts, including all current account balance claims, accrued by the purchaser both now and in the future, have been paid in full. In the event of any infinigement of contractual conditions on the part of the purchaser, e.g. payment areas, we shall be entitled, after setting and upon culmination of a reasonable period, to repossess goods subject to the retention of title. The repossession of goods subject to the retention of title shall constitute our withdrawal from the contract. The sezure of goods subject to the retention of title by us shall constitute our withdrawal from the contract. The sezure of goods subject to the retention of title by us shall constitute our withdrawal from the contract. Following repossession, we shall be entitled to dispose of goods subject to the retention of title. Following the deduction of an appropriate amount for the costs of the disposal, the proceeds from the disposal shall be deducted from the outstanding amounts owed to us by the purchaser.

2. The purchaser shall be responsible for the proper handling of goods subject to the retention of title and shall insure these at his own expense to their full value against damage by fire, water and thet. The costs of inspecting and servicing the goods at their appropriate intervals shall be orner by the purchaser.

3. The purchaser shall be respincioned or goods subject to the retention of title in the course of his normal business activities. provided he is not in payment areas.

borne by the purchaser.

3. The purchaser shall be entitled to use and/or dispose of goods subject to the retention of title in the course of his normal business activities, provided he is not in payment arrears. Pawning or chattel mortgaging shall not be permitted. Any existing claims (including all current account balance claims) with respect to goods subject to the retention of title arising due to resale or for other legal reasons (insurance, ton's shall be assigned by the purchaser by way of activation of the arising due to resale or for other legal reasons (insurance, ton's shall be assigned by the purchaser by way of activation to collect the claims assigned to us for his invoices in his own name. We reserve the right to revolutionation at any time, should the purchaser name with the payment obligations. The purchaser shall not be entitled to assign the claim even for the payment obligations. The purchaser shall not be entitled to assign the claim even for the purposes of collecting the debs. It was not the collected amounts directly to us, provided we still have outstanding claims against the purchaser. A ray processing or modification of goods subject to the retention of title shall be carried out on our behalf. Where goods subject to the retention of title are modified using items not belonging to us, we shall become co-owners of the new commondity in the ratio of the value of the goods subject to retention of title and lems not belonging to us, we shall become co-owners of the new commondity in the ratio of the value of the goods subject to retention of title the and lems not belonging to us, we shall become co-owners of the new commondity in the ratio of the value of the goods subject to retention of title was leaded to retention of the and lems not the longing to us, we shall become co-owners the new commondity in the ratio of the value of the goods subject to retention of title was a large to assign co-ownership to us on a proportional basis, we hereby accept the assignation. The purchaser shall e

procedure.

The control of the contr

#### Applicable law, court of jurisdiction and location

In A Regular team, count or pursuanced and total details.

A It legal relationships between the parties are exclusively subject to German law, to the exclusion of the United Nations Convention on Contracts for the International Sales of Goods, even if the buyer has its usual place of residence or abode abroad or delivery is being made abroad. The same applies if the buyer transfers their usual residence to another country at a later time or its inscription.

ner same appress in the upper utablests their usual resource to another country at a rater time or is unavailables. 2. If you do not have a place of residency in Germany it the time of ordering or you move your place of residency to another country following the conclusion of the contract or your place of residency is not known at the time that a claim is made, legal jurisdiction for all disputes arising from and in relation to the contractual relationship is Trush gradual parts of the contractual relationship is Trush Code (Handelspeatsbetch, HGB), a legal person under public law or a special fund under public law, the courts in Fulda will be exclusively responsible for all disputes arising from or in connection with the relevant contractual relationship. In all other cases the customer or we are permitted to bring claims before any court that is legally cognisant.

4. Should individual provisions of this contract the wholly or partly invalid or void then the validity of the rest of the contract will not be affected. The parties undertake to replace the invalid or void provision with a side fossest to the intended commercial purpose. The same

or the test of the contract with not be anected. The parties undertake to replace the invalid or vious provision with a valid provision that is closest to the intended commercial purpose. The same applies in cases of gaps. Changes and amendments to these General Conditions must be agreed in writing. The suspension of this requirement of the written form must also be made in writing.

This contract is executed both in German and in English. In the case of differences between the German and the English version, as well as in the case of legal disputes, the German version shall exclusively be applicable. The parties expressly waive a translation into any other language.

#### **isel**GermanyAG Bürgermeister-Ebert D-36124 Eichenzell

Stand: 10.12.2015

# PROGRAM OF THE isel-GROUP

development, production and sales of components and systems in the sectors

mechanics, electronics, software, systems, display and lifestyle

