FLENDER COUPLINGS FASTEX Compact assembly and operating instructions 3900en Edition 04/2022 FASTEX IC250



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FLENDER COUPLINGS FASTEX IC250 Clamping elements 3900en

Compact assembly and operating instructions

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Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

 \triangle

DANGER

indicates that death or severe personal injury will result if proper precautions are not taken



WARNING

indicates that death or severe personal injury may result if proper precautions are not taken.



CAUTION

indicates that minor personal injury can result if proper precautions are not taken.

NOTICE

indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Flender products

Note the following:



WARNING

Flender products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Flender. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

All names identified by ® are registered trademarks of Flender GmbH. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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1 Introduction

1.1 Main operation instructions

These instructions are only valid in conjunction with the associated operating instructions from the component supplier.

1.2 General information

Instructions

Notice the information and regulations in these installation instructions and in the main operating instructions from the component supplier.

Please make sure that every person who is commissioned to work on the clamping element has read and understood these instructions prior to handling the clamping element and observes all of the points.

Only the knowledge of these instructions can avoid faults on the clamping element and ensure fault-free and safe operation. Non-adherence to the instructions can cause product or property damage or personal injury. Flender does not accept any liability for damage or operating failures that are due to non-adherence to these instructions.

Symbols

Table 1-1 General warnings

ISO	ANSI	Warning						
Ŕ	Ť	Warning - hazardous electrical voltage						
A		Warning - explosive substances						
		Warning - entanglement hazard						
		Warning - hot surfaces						
\bigstar		Warning - substances that are harmful to health or are irritants						
		Warning - corrosive substances						
		Warning - suspended load						
		Warning - hand injuries						
(E	\mathbf{x}	ATEX certification						

Explanation regarding Machinery Directive 2006/42/EG

The clamping elements described here are components in accordance with the Machinery Directive and do not require a declaration of incorporation.

Work on the clamping element

Only carry out work on the clamping element when it is not in operation and is not under load. Secure the drive unit against being switched on accidentally. Attach a notice to the switch stating clearly that work is being carried out on the clamping element. Ensure that the entire unit is not under load..

1.3 Intended use

Only use the clamping element according to the conditions specified in the service and delivery contract and the technical data in the annex. Deviating operating conditions are considered improper use. The user or owner of the machine or plant is solely liable for any resulting damage.

When using the clamping element please specifically observe the following:

- Do not make any modifications to the clamping element that go beyond the permissible machining described in these instructions. This also applies to touch protection facilities.
- Do not use the clamping element as a torque-limiting safety element.

If you have any queries, please contact our customer service (see Service and support (Page 12)).

1.4 Safety instructions for a clamping element for use in potentially explosive atmospheres



The assembly supplier is responsible for the guideline-compliant design of the system clamping element with all associated components. In potentially explosive areas, it must be ensured that the design torque T_{C} according to Table 7-1 is not exceeded at any operating point. The identification and information on the conditions of use can be found in the main operating instructions of the assembly supplier.

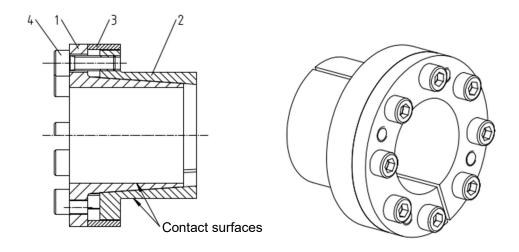
2 Description

The clamping elements described here are universally applicable, self-centering clamping elements whose function is the tensionally locked transmission of torque between shaft and hub.

The installation and operation of the specified clamping elements in combination with cylindrically bored hubs is described in these instructions.

Design

Detailed information on the dimensions can be found in Appendix A Technical data (Page **Fehler! Textmarke nicht definiert.**).



- 1 Clamping hub
- 2 Clamping bush
- 3 Supporting ring
- 4 Cylinder-head screw

Figure 2-1 Construction of the clamping element FASTEX IC250

3 Application planning

Check the delivery for damage and for completeness. Report any damage and/or missing parts to Flender immediately.

The coupling is delivered in preassembled groups. These may be dismantled.

3.1 Transport of the clamping element



WARNING

Severe personal injury due to improper transport

Severe personal injury due to falling components or due to crushing. Damage to clamping element parts possible due to use of unsuitable transport means.

- Only use lifting gear and load suspension devices with sufficient load bearing capacity for transport.
- Please observe the symbols applied on the packaging.

3.1 Storage of the clamping element

The clamping element, unless not specifically ordered otherwise, is supplied with preservation and can be stored for up to 12 months in a dry and dust-free storage room.

4 Assembly



/!\ DANGER

Danger due to bursting of the assembly group

If not used as intended, the assembly can burst. There is a risk of fatal injury from flying fragments. Bursting of the assembly can lead to an explosion in potentially explosive atmospheres.

Use the clamping element as intended

Note

Information about the assembly of the clamping element

- Only use undamaged components for the assembly of the clamping element.
- Follow the assembly sequence.
- Please ensure that there is sufficient space at the assembly location and that the location is tidy and clean in order to be able to assemble and maintain the clamping element without any risk.
- If a dimension drawing has been created for the clamping element, please observe the information it contains as a matter of priority

Recommended assigned fits

In the following table you will find the permissible fits of the clamping element and the shaft.

Table 4-1 Recommended assigned fits

component	tolerance				surface quality
Shaft tolerance	h8 j7 k6 m6				Ra ≤ 3,2 µm
Bore tolerance		H	17		Ra ≤ 3,2 µm

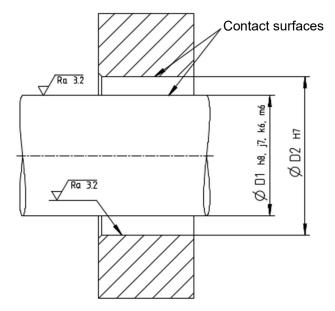


Figure 4-1 Fit assignment

4.1 Assembling the clamping element



/ WARNING

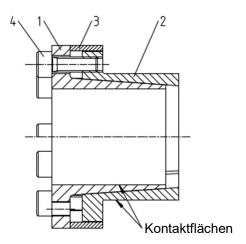
The design torque $T_{C\,I}$ must not be exceeded at any operating point. It must be ensured that the cylinder head bolts are tightened with the tightening torques according to Table 7-1

Preparatory work

- 1. Make sure the surfaces to be joined are in perfect condition.
- 2. Clean the contact surfaces as well as the shaft and hub.
- 3. Slightly oil the contact surfaces. Do not use any grease or oil that contains molybdenum disulfide or other additives that significantly reduce the coefficient of friction.
- 4. Place the clamping bush (2) on the clamping hub (1). Position the clamping bush (2) so that the release threads are offset to the slot in the clamping hub (1).
- 5. Screw the clamping hub (1) to the clamping bush (2) without tightening the cylinder-head screws (4).
- 6. Slide the retaining ring (3) onto the flange of the clamping bush (2).

Assemble

- Position the pre-assembled clamping element in the hub bore and then place both parts on the shaft.
- Slightly tighten the cylinder-head screws (4) so that the clamping element can still be moved.
- 3. Align the Clamping element on the shaft.
- 4. The shaft must fill the entire length of the clamping hub (1).
- 5. The retaining ring (3) must be in full contact with the flange of the clamping hub (1).
- 6. Tighten the cylinder-head screws (4) crosswise in several turns. The specified tightening torque can be found in the Tightening torques and widths A/F section.



- 1 Clamping hub
- 2 Clamping bush
- 3 Supporting ring
- 4 Cylinder-head screw

Figure 4-2 Assembly FASTEX IC250

5 Disassembly

Procedure

- 1. Loosen and remove all cylinder-head screws (4) one after the other.
- 2. Screw the cylinder-head screws (4) into the existing release threads of the clamping hub (1).
- 3. Remove the clamping element. Use suitable lifting gear when doing this.
- 4. Check the hub bore and the shaft for damage and protect them against corrosion.

When reinstalling the clamping element please observe the information in the chapter Assembly (Page 10).

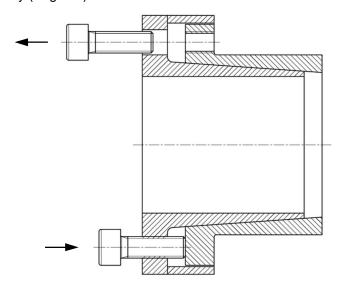


Figure 5-1 Disassembly FASTEX IC250

6 Disposal

Dispose of the clamping element parts according to applicable national regulations or recycle them.

7 Service und support

When ordering spare parts, requesting a customer service technician or in the case of technical queries, please contact our factory or one of our customer service addresses:

Flender GmbH

Schlavenhorst 100

46395 Bocholt

Deutschland

Tel.: +49 (0)2871/92-0

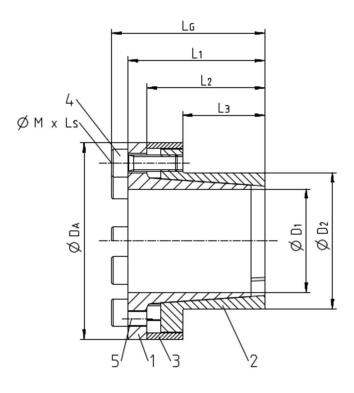
Fax.: +49 (0)2871/92-2596

Flender GmbH (http://www.flender.com)

A Technical data

A.1 Geometry data and tightening torques

In this section you can find dimension drawings and technical data for the Flender clamping elements.:



- 5 Clamping hub
- 6 Clamping bush
- 7 Supporting ring
- 8 Cylinder-head screw

Figure 7-1 Parts overview FASTEX IC250

Table 7-1 Geometry data, weights, tightening torques

Size Dimension Limit torque Gew-size Tightening Number Screwlength width A/F Size Weight Size Weight Size S								Hexagon socket-head screws acc. to DIN EN ISO 4762 - 12.9					
mm mm mm mm mm mm Mm Mm Mm Mg Mg 6x14 25 24,5 21,5 18,5 10 11 M3 2,6 4 10 2,5 0,05 7x15 25 29 25 21,5 11,5 12,5 23 30 0,05 9x16 28 30 26 22,5 14 37 M4 5,6 3 10 3 0,05 9x16 28 30 26 22,5 14 42 M4 5,6 4 10 3 0,06 10x18 32 30 26 22,5 13,5 55 M4 5,6 4 10 3 0,18 12x18 32 30 26 22,5 13,5 55 M4 5,6 4 10 3 0,18 12x18 32 30 26 22,5 14 <t< td=""><td>Size</td><td colspan="5">Dimensions</td><td>Limit torque</td><td>Gewsize</td><td></td><td>Number</td><td>Screwlength</td><td></td><td>Weight</td></t<>	Size	Dimensions					Limit torque	Gewsize		Number	Screwlength		Weight
6x 14 25 24,5 21,5 18,5 10 11 M3 2,6 4 10 2,5 0,05 7x 15 25 29 25 21,5 11,5 23 M4 5,6 3 10 3 0,05 8x 15 27 29 25 21,5 11,5 23 M4 5,6 3 10 3 0,05 9x 16 28 30 26 22,5 14 37 M4 5,6 4 10 3 0,06 10x 18 32 30 26 22,5 14 42 M4 5,6 4 10 3 0,18 11x 18 32 30 26 22,5 13,5 55 M4 5,6 4 10 3 0,18 11x 18 32 30 26 22,5 14 10 M 5,6 4 10 3 0,02 11x 23	D ₁ x D ₂	D _A	L_{G}	L ₁	L ₂	L ₃	T _{Cl}	М	T _A		Ls	SW	m
TX 15	mm	mm	mm	mm	mm	mm	Nm	mm	Nm		mm	mm	kg
8x 15	6 x 14	25	24,5	21,5	18,5	10	11	M3	2,6	4	10	2,5	0,05
9x 16	7 x 15	25	29	25	21,5	11,5	23	M4	5,6	3	10	3	0,05
10 x 16 29 30 26 22,5 14 42 M4 5,6 4 10 3 0,16 11 x 18 32 30 26 22,5 13,5 50 M4 5,6 4 10 3 0,18 13 x 23 38 30 26 22,5 13,5 55 M4 5,6 4 10 3 0,18 13 x 23 38 30 26 22,5 14 60 M4 5,6 6 6 10 3 0,20 14 x 23 38 30 26 22,5 14 100 M4 5,6 6 6 10 3 0,20 15 x 24 44 42 36 28,5 16 145 M6 15 4 18 5 0,21 16 x 24 44 42 36 28,5 16 155 M6 15 4 18 5 0,22 17 x 25 45 42 36 28,5 16 162 M6 15 4 18 5 0,22 17 x 26 47 44 38 31 18 180 M6 17 4 18 5 0,23 18 x 26 47 44 38 31 18 200 M6 17 4 18 5 0,23 19 x 27 48 44 38 31 18 210 M6 17 4 18 5 0,23 19 x 27 48 44 38 31 18 220 M6 17 4 18 5 0,24 22 x 32 54 51 45 38 25 250 M6 17 4 18 5 0,34 22 x 33 56 51 45 38 25 270 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,33 28 x 39 61 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 480 M6	8 x 15	27	29	25	21,5	11,5	26	M4	5,6	3	10	3	0,05
11 x 18 32 30 26 22,5 13,5 50 M4 5,6 4 10 3 0,18 12 x 18 32 30 26 22,5 13,5 55 M4 5,6 4 10 3 0,18 13 x 23 38 30 26 22,5 14 60 M4 5,6 4 10 3 0,20 14 x 23 38 30 26 22,5 14 100 M4 5,6 6 6 10 3 0,20 15 x 24 44 42 36 28,5 16 145 M6 15 4 18 5 0,21 17 x 25 45 42 36 28,5 16 162 M6 15 4 18 5 0,22 17 x 25 45 42 36 28,5 16 162 M6 15 4 18 5 0,22 17 x 26 47 44 38 31 18 180 M6 17 4 18 5 0,23 18 x 26 47 44 38 31 18 200 M6 17 4 18 5 0,23 18 x 26 47 44 38 31 18 200 M6 17 4 18 5 0,23 18 x 26 47 44 38 31 18 220 M6 17 4 18 5 0,24 22 x 32 54 51 45 38 25 250 M6 17 4 18 5 0,24 22 x 32 54 51 45 38 25 250 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 280 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 280 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 280 M6 17 4 18 5 0,34 25 x 34 56 51 45 38 25 280 M6 17 4 18 5 0,34 30 x 41 62 51 45 38 25 510 M6 17 6 18 5 0,41 32 x 43 65 51 45 38 25 570 M6 17 6 18 5 0,41 32 x 43 65 51 45 38 25 570 M6 17 8 18 5 0,41 32 x 43 65 51 45 38 25 570 M6 17 8 18 5 0,43 33 x 50 72 56 50 43 30 800 M6 17 8 18 5 0,62 42 x 55 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2000 M8 41 10 22 6 0,109 48 x 62 87 78 70 62 45 2000 M8 41 10 22 6 0,98 50 x 10 131 106 96 85 65 8500 M10 83 11 10 22 6 0,98 50 x 10 131 106 96 85 65 8	9 x 16	28	30	26	22,5	14	37	M4	5,6	4	10	3	0,06
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30 x 41 62 51 45 38 25 510 M6 17 6 18 5 0,41 32 x 43 65 51 45 38 25 730 M6 17 8 18 5 0,48 35 x 47 69 56 50 43 30 800 M6 17 8 18 5 0,53 38 x 50 72 56 50 43 30 860 M6 17 8 18 5 0,58 40 x 53 75 56 50 43 30 900 M6 17 8 18 5 0,62 42 x 55 78 65 57 49 32 1800 M8 41 8 22 6 0,88 45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,03 48 x 62 87 78 70 62 45 1920 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 3100 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 31 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 12 25 8 3,34 85 x 106 137 106 96 85 65 8500 M10 83 12 25 8 3,34 85 x 106 137 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 3,95	25 x 34	56	51	45	38	25	280	M6	17	4	18	5	0,33
32 x 43 65 51 45 38 25 730 M6 17 8 18 5 0,48 35 x 47 69 56 50 43 30 800 M6 17 8 18 5 0,53 38 x 50 72 56 50 43 30 860 M6 17 8 18 5 0,58 40 x 53 75 56 50 43 30 900 M6 17 8 18 5 0,58 42 x 55 78 65 57 49 32 1800 M8 41 8 22 6 0,88 45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 10 22	28 x 39	61	51	45	38	25	480	M6	17	6	18	5	0,41
35 x 47 69 56 50 43 30 800 M6 17 8 18 5 0,53 38 x 50 72 56 50 43 30 860 M6 17 8 18 5 0,58 40 x 53 75 56 50 43 30 900 M6 17 8 18 5 0,58 42 x 55 78 65 57 49 32 1800 M8 41 8 22 6 0,88 45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 10 22 6 1,27 55 x 71 <t< td=""><td>30 x 41</td><td>62</td><td>51</td><td>45</td><td>38</td><td>25</td><td>510</td><td>M6</td><td>17</td><td>6</td><td>18</td><td>5</td><td>0,41</td></t<>	30 x 41	62	51	45	38	25	510	M6	17	6	18	5	0,41
38 x 50 72 56 50 43 30 860 M6 17 8 18 5 0,58 40 x 53 75 56 50 43 30 900 M6 17 8 18 5 0,62 42 x 55 78 65 57 49 32 1800 M8 41 8 22 6 0,88 45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 <	32 x 43	65	51	45	38	25	730	M6	17	8	18	5	0,48
40 x 53 75 56 50 43 30 900 M6 17 8 18 5 0,62 42 x 55 78 65 57 49 32 1800 M8 41 8 22 6 0,88 45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 2900 M8 41 10 22 6 1,49 60 x 77	35 x 47	69	56	50	43	30	800	M6	17	8	18	5	0,53
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45 x 59 85 73 65 57 40 1900 M8 41 8 22 6 1,03 46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 10 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 2900 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90	40 x 53	75	56	50	43	30	900	M6	17	8	18	5	0,62
46 x 62 87 78 70 62 45 1920 M6 41 8 22 6 1,00 48 x 62 87 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 2900 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,29 80 x 100 <td>42 x 55</td> <td>78</td> <td>65</td> <td>57</td> <td>49</td> <td>32</td> <td>1800</td> <td>M8</td> <td>41</td> <td>8</td> <td>22</td> <td>6</td> <td>0,88</td>	42 x 55	78	65	57	49	32	1800	M8	41	8	22	6	0,88
48 x 62 87 78 70 62 45 2000 M8 41 8 22 6 0,98 50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 2900 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 12 25 8 3,34 85 x 10	45 x 59	85	73	65	57	40	1900	M8	41	8	22	6	1,03
50 x 65 92 78 70 62 45 2600 M8 41 10 22 6 1,27 55 x 71 98 83 75 67 50 2900 M8 41 10 22 6 1,49 60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 12 25 8 3,34 85 x	46 x 62	87	78	70	62	45	1920	M6	41	8	22	6	1,00
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60 x 77 104 83 75 67 50 3100 M8 41 10 22 6 1,66 65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 10 25 8 2,29 80 x 100 131 106 96 85 65 8000 M10 83 12 25 8 3,34 85 x 106 137 106 96 85 65 8500 M10 83 12 25 8 3,62 90 x 112 143 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83	50 x 65	92	78	70	62	45	2600	M8	41	10	22	6	1,27
65 x 84 111 83 75 67 50 3400 M8 41 10 22 6 1,92 70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 10 25 8 2,29 80 x 100 131 106 96 85 65 8000 M10 83 12 25 8 3,34 85 x 106 137 106 96 85 65 8500 M10 83 12 25 8 3,62 90 x 112 143 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 4,46 100 x 125 162 114 102 89 65 14600 M12 145 </td <td>55 x 71</td> <td>98</td> <td>83</td> <td>75</td> <td>67</td> <td>50</td> <td>2900</td> <td>M8</td> <td>41</td> <td>10</td> <td>22</td> <td>6</td> <td>1,49</td>	55 x 71	98	83	75	67	50	2900	M8	41	10	22	6	1,49
70 x 90 119 101 91 80 60 5800 M10 83 10 25 8 2,93 75 x 95 126 101 91 80 60 6200 M10 83 10 25 8 2,29 80 x 100 131 106 96 85 65 8000 M10 83 12 25 8 3,34 85 x 106 137 106 96 85 65 8500 M10 83 12 25 8 3,62 90 x 112 143 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 4,46 100 x 125 162 114 102 89 65 14600 M12 145 12 30 10 5,50	60 x 77	104	83	75	67	50	3100	M8	41	10	22	6	1,66
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85 x 106 137 106 96 85 65 8500 M10 83 12 25 8 3,62 90 x 112 143 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 4,46 100 x 125 162 114 102 89 65 14600 M12 145 12 30 10 5,50 110 x 140 180 140 128 114 90 16000 M12 145 12 30 10 8,00 120 x 155 198 140 128 114 90 17400 M12 145 12 30 10 10,50	75 x 95	126	101	91	80	60	6200	M10	83	10	25	8	2,29
90 x 112 143 106 96 85 65 11200 M10 83 15 25 8 3,95 95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 4,46 100 x 125 162 114 102 89 65 14600 M12 145 12 30 10 5,50 110 x 140 180 140 128 114 90 16000 M12 145 12 30 10 8,00 120 x 155 198 140 128 114 90 17400 M12 145 12 30 10 10,50	80 x 100	131	106	96	85	65	8000	M10	83	12	25	8	3,34
95 x 120 153 106 96 85 65 11800 M10 83 15 25 8 4,46 100 x 125 162 114 102 89 65 14600 M12 145 12 30 10 5,50 110 x 140 180 140 128 114 90 16000 M12 145 12 30 10 8,00 120 x 155 198 140 128 114 90 17400 M12 145 12 30 10 10,50	85 x 106	137	106	96	85	65	8500	M10	83	12	25	8	3,62
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130 v 165 208 140 138 114 90 25000 M12 145 16 20 10 11 00	120 x 155	198	140	128	114	90	17400	M12	145	12	30	10	10,50
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FASTEX IC250

Compact assembly and operating instructions 3900de Edition 04/2022

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Flender GmbH

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