



Self-aligning brackets

**elesa®**

## Square flanged self-aligning brackets



- **Base**  
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
- **Bushings and washers**  
AISI 304 stainless steel.
- **Bearing**  
High quality with traceability codes. Chrome steel.
- **Lubricator**  
Nickel-plated brass.
- **Packing rings**  
NBR rubber.
- **Cap**  
Glass-fibre reinforced polypropylene based (PP) technopolymer, RAL 7015 grey colour, matte finish.  
Closed cap for head bracket or for pass-through shafts.
- **Standard executions**
  - **UCF-T**: head bracket with closed cap.
  - **UCF-P**: bracket for pass-through shaft with cap and NBR rubber packing ring for rotating shafts.

### Features and applications

Overall dimensions are in compliance with ISO 3228.  
A system of completely sealed packing rings assures the protection of the bearing from dirt ingress.  
Max shaft misalignment = 2,5°.

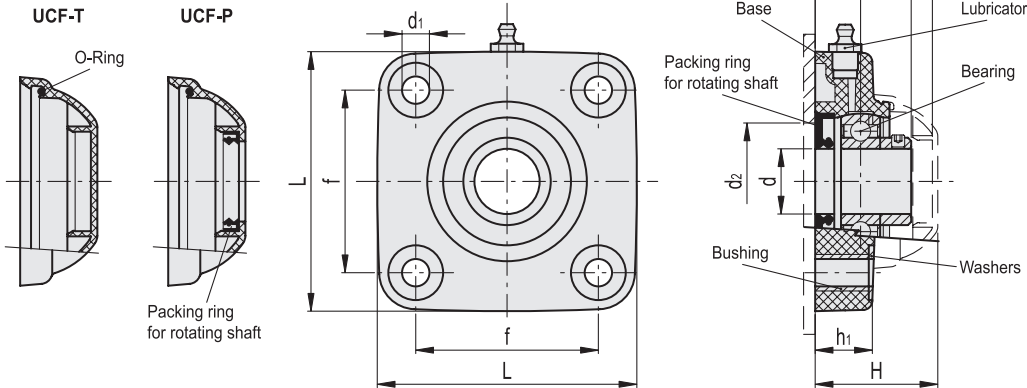
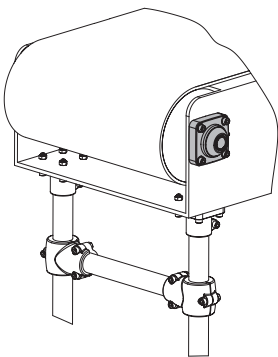
### Instructions of use

Assembly with shafts without end stops. For optimum operation, we recommend periodic lubrication with a common grease resistant to high temperatures and oxidation.

### Special executions on request

- AISI 440C stainless steel bearing.
- Bearing in inch sizes.
- Brackets for shafts with diameters in different sizes.
- Brackets in antibacterial material or in polypropylene based (PP) technopolymer, packing rings and oil seal type VITON®\*.

\* Registered trademark by DuPont Dow Elastomers.



Code	Description	d	d <sub>1</sub>	d <sub>2 min</sub>	d <sub>2 max</sub>	H	L	f	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	Bearing static load [N]	Bearing dynamic load [N]	Bracket load [N]	
419551	UCF.205-A-25-T	25	10.5	45	50	49	99	70	22	36	47	17	7000	14000	17000	445
419561	UCF.206-A-30-T	30	10.5	50	60	56	113	83	26	41	54	20	11000	19000	17000	511
419531	UCF.205-A-25-P	25	10.5	45	50	49	99	70	22	36	-	17	7000	14000	17000	452
419541	UCF.206-A-30-P	30	10.5	50	60	56	113	83	26	41	-	20	11000	19000	17000	518

Oval flanged self-aligning brackets



- **Base**  
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
- **Bushings and washers**  
AISI 304 stainless steel.
- **Bearing**  
High quality with traceability codes. Chrome steel.
- **Lubricator**  
Nickel-plated brass.
- **Packing rings**  
NBR rubber.
- **Cap**  
Glass-fibre reinforced polypropylene based (PP) technopolymer, RAL 7015 grey colour, matte finish.  
Closed cap for head bracket or for pass-through shafts.
- **Standard executions**
  - **UCFL-T**: head bracket with closed cap.
  - **UCFL-P**: bracket for pass-through shaft with cap and NBR rubber packing ring for rotating shafts.

Features and applications

Overall dimensions are in compliance with ISO 3228.  
A system of completely sealed packing rings assures the protection of the bearing from dirt ingress.  
Max shaft misalignment = 2,5°.

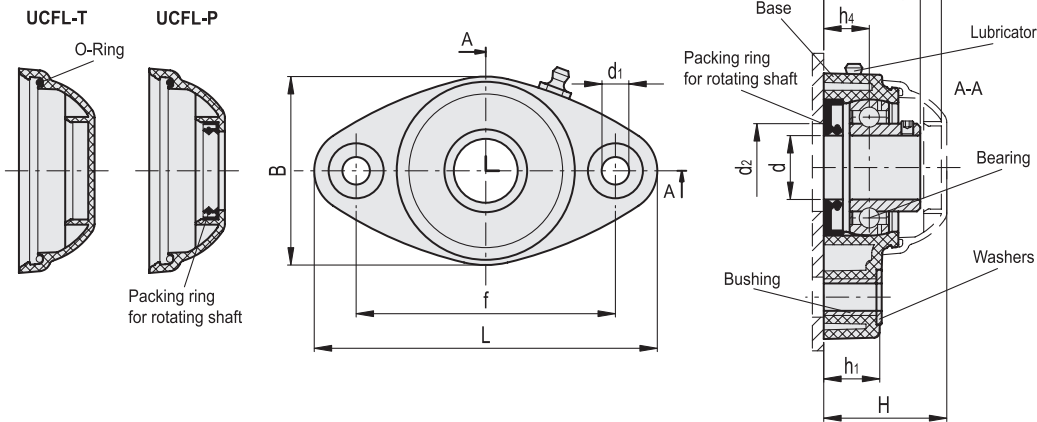
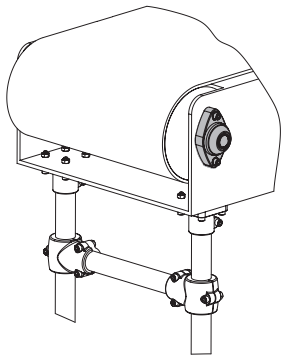
Instructions of use

Assembly with shafts without end stops. For optimum operation, we recommend periodic lubrication with a common grease resistant to high temperatures and oxidation.

Special executions on request

- AISI 440C stainless steel bearing.
- Bearing in inch sizes.
- Brackets for shafts with diameters in different sizes.
- Brackets in antibacterial material or in polypropylene based (PP) technopolymer, packing rings and oil seal type VITON®\*.

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Code	Description	d	d <sub>1</sub>	d <sub>2 min</sub>	d <sub>2 max</sub>	H	L	B	f	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	Bearing static load [N]	Bearing dynamic load [N]	Bracket load [N]	⚖
419552	UCFL.205-B-25-T	25	10.5	45	50	49	131	72	99	22	36	47	17	7000	14000	10000	294
419562	UCFL.206-B-30-T	30	10.5	50	60	56	149	86	117	26	41	54	20	11000	19000	13000	397
419532	UCFL.205-B-25-P	25	10.5	45	50	49	131	72	99	22	36	-	17	7000	14000	10000	300
419542	UCFL.206-B-30-P	30	10.5	50	60	56	149	86	117	26	41	-	20	11000	19000	13000	404

## Self-aligning brackets for shafts at 90°



- **Base**  
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
- **Bushings, washers and stop ring**  
AISI 304 stainless steel.
- **Bearing**  
High quality with traceability codes. Chrome steel.
- **Lubricator**  
Nickel-plated brass.
- **Packing rings**  
NBR rubber.
- **Cap**  
Glass-fibre reinforced polypropylene based (PP) technopolymer, RAL 7015 grey colour, matte finish.  
Closed cap for head bracket or for pass-through shafts.
- **Standard executions**
  - **UCP-T**: head bracket with closed cap.
  - **UCP-P**: bracket for pass-through shaft with cap and NBR rubber packing ring for rotating shafts.

### Features and applications

Overall dimensions are in compliance with ISO 3228.

A system of completely sealed packing rings assures the protection of the bearing from dirt ingress.

Max shaft misalignment = 2,5°.

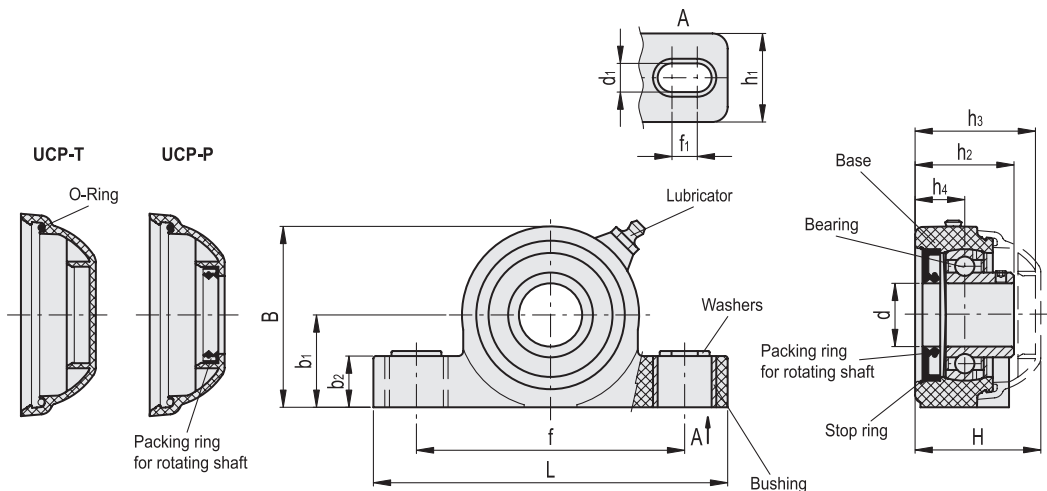
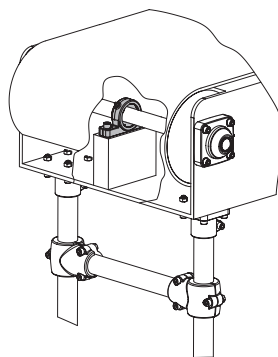
### Instructions of use

Assembly with shafts without end stops. For optimum operation, we recommend periodic lubrication with a common grease resistant to high temperatures and oxidation.

### Special executions on request

- AISI 440C stainless steel bearing.
- Bearing in inch sizes.
- Brackets for shafts with diameters in different sizes.
- Brackets in antibacterial material or in polypropylene based (PP) technopolymer, packing rings and oil seal type VITON®\*.

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Code	Description	d	d <sub>1</sub>	f <sub>1</sub>	H	L	B	f	b <sub>1</sub>	b <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	Bearing static load [N]	Bearing dynamic load [N]	Bracket load [N]	⚖
419553	UCP.205-C-25-T	25	13	10	51.7	140	71.5	106	36.5	20	35	39	49	19.6	7000	14000	6000	333
419563	UCP.206-C-30-T	30	13	10	55.7	163	84.5	121	43	20	36	41.7	53	20.7	11000	19000	9000	456
419533	UCP.205-C-25-P	25	13	10	51.7	140	71.5	106	36.5	20	35	39	-	19.6	7000	14000	6000	339
419543	UCP.206-C-30-P	30	13	10	55.7	163	84.5	121	43	20	36	41.7	-	20.7	11000	19000	9000	463

Side flange  
self-aligning brackets



- **Base**  
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
- **Bushings and washers**  
AISI 304 stainless steel.
- **Bearing**  
High quality with traceability codes. Chrome steel.
- **Lubricator**  
Nickel-plated brass.
- **Packing rings**  
NBR rubber.
- **Cap**  
Glass-fibre reinforced polypropylene based (PP) technopolymer, RAL 7015 grey colour, matte finish.  
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- **Standard executions**
  - **UCFB-T**: head bracket with closed cap.
  - **UCFB-P**: bracket for pass-through shaft with cap and NBR rubber packing ring for rotating shafts.

Features and applications

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Max shaft misalignment = 2,5°.

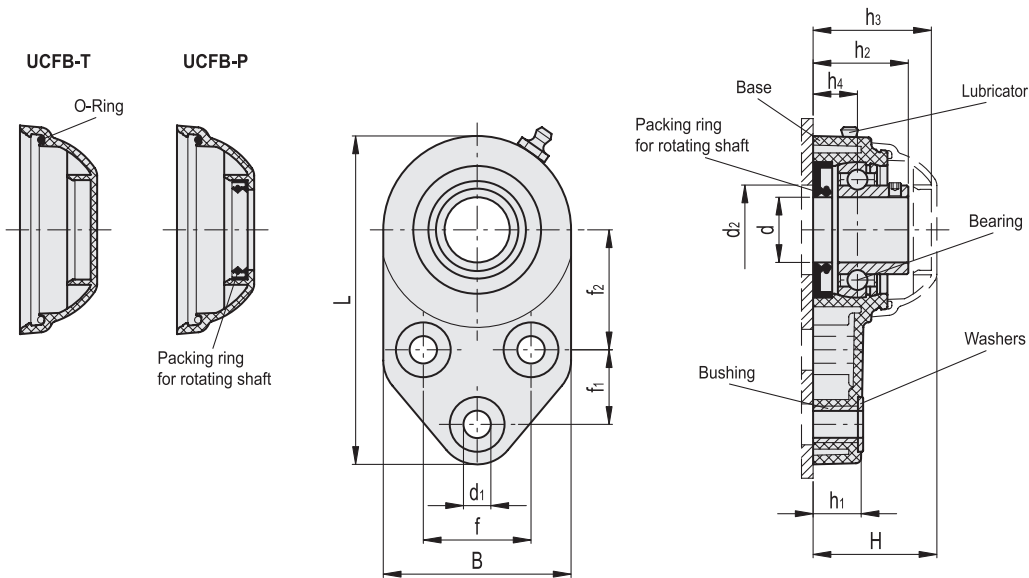
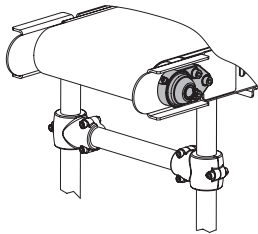
Instructions of use

Assembly with shafts without end stops. For optimum operation, we recommend periodic lubrication with a common grease resistant to high temperatures and oxidation.

Special executions on request

- AISI 440C stainless steel bearing.
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419554	UCFB.205-D-25-T	25	10.5	45	50	49.5	126	72	41.3	28.6	46	19	36.5	47	17	7000	14000	9000	353
419564	UCFB.206-D-30-T	30	10.5	50	60	55.7	142	85	47.6	32	52.4	26.3	41.7	53.2	20.7	11000	19000	11000	469
419534	UCFB.205-D-25-P	25	10.5	45	50	49.5	126	72	41.3	28.6	46	19	36.5	-	17	7000	14000	9000	359
419544	UCFB.206-D-30-P	30	10.5	50	60	55.7	142	85	47.6	32	52.4	26.3	41.7	-	20.7	11000	19000	11000	476

# Flexible Automation Components



**1 MSX**

## Connecting clamps

For the positioning of photocells or other devices on packaging lines by using tubes with round or square cross section.  
Stainless steel screws.

INOX  
Stainless Steel



**1 MSR**

## Connecting clamps

For the positioning of photocells or other devices on packaging lines by using aluminium slotted connecting tubes preventing free rotation.  
Black-oxide steel screws.



**2 BAS2 • BAS3**

## Bipod or tripod support bases

For supporting machines, conveyors, elevator belts in the beverage, food and pharmaceutical industry, automated transport.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**2 BAG2-120 • BAS2-180**

## Bipod support bases and connection joint

For supporting the two lateral sides of conveyors, discharge belts and elevator belts in the beverage, food and pharmaceutical industry, automated transport.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**3 TTA • TTB**

## Bearing heads

For supporting conveyors by means of steel tubes.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**4 TSLA • TSLB**

## Side mounting top brackets

For use on conveyors, for supporting lateral sides by means of steel tubes.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**5 GC.**

## Connecting joints

For connecting tubes with round or square cross section between the lateral sides of conveyors.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**ND.Q • NDX.Q • NDX.T**

## Square and round end-caps

For use on round and square tubes for supporting machines, conveyors, elevator belts in the beverage, food and pharmaceutical industry, automated transport by using levelling elements.  
Brass tapped boss.



**6**

**SPF • SPR • SPR.V**

## Guide rail brackets for linear and angular positioning

For fitting bearing pins, for supporting straight or curved side guides.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



**7**

**LV.A • LVQ.A • LV.F • LVQ.F**

## Levelling elements with or without ground mounting

For supporting machines, conveyors, elevator belts in the beverage, food and pharmaceutical industry, automated transport by using square or round end caps.  
Zinc-plated steel or AISI 304 stainless steel articulated stem.

INOX  
Stainless Steel



**8**

**MPG • MPG-2 • MPG-S**

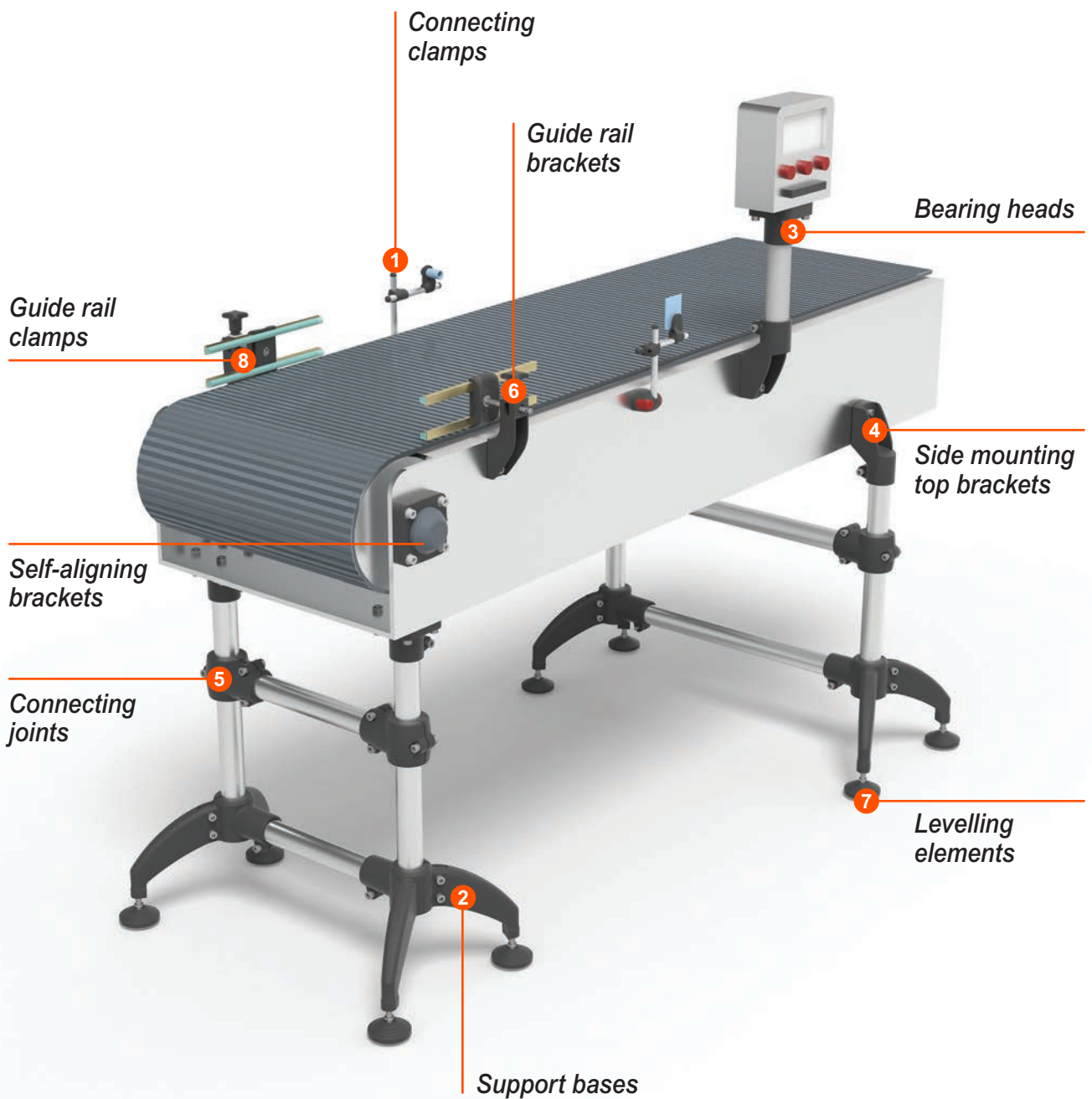
## Guide rail clamps

For use on conveyors for supporting side guides.  
Zinc-plated steel or AISI 304 stainless steel screws.

INOX  
Stainless Steel



# Flexible Automation Components





# elesa®

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