



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°.

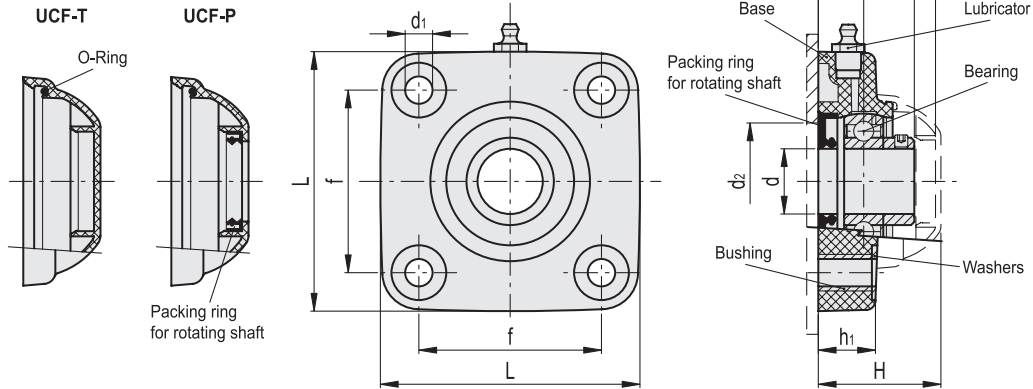
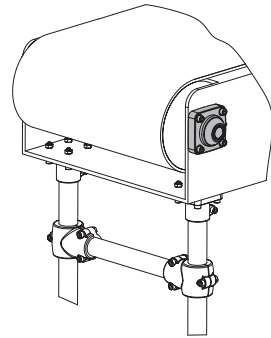
Instructions of use

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.
- 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.



american units

Code	Description	d	d ₁	d _{2.min}	d _{2.max}	H	L	f	h ₁	h ₂	h ₃	h ₄	Bearing static load [lbf]	Bearing dynamic load [lbf]	Bracket load [lbf]	⚖
90419551	UCF.205-A-1-T	1.000	0.41	1.77	1.97	1.93	3.9	2.76	0.87	1.42	1.85	0.67	1568	3136	3808	0.98
90419561	UCF.206-A-1¼-T	1.250	0.41	1.970	2.36	2.2	4.45	3.27	1.02	1.61	2.13	0.79	2464	4256	3808	1.13
90419531	UCF.205-A-1-P	1.000	0.41	1.77	1.97	1.93	3.9	2.76	0.87	1.42	-	0.67	1568	3136	3808	1
90419541	UCF.206-A-1¼-P	1.250	0.41	1.97	2.36	2.2	4.45	3.27	1.02	1.61	-	0.79	2464	4256	3808	1.14

metric units

Code	Description	d	d ₁	d _{2.min}	d _{2.max}	H	L	f	h ₁	h ₂	h ₃	h ₄	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°.

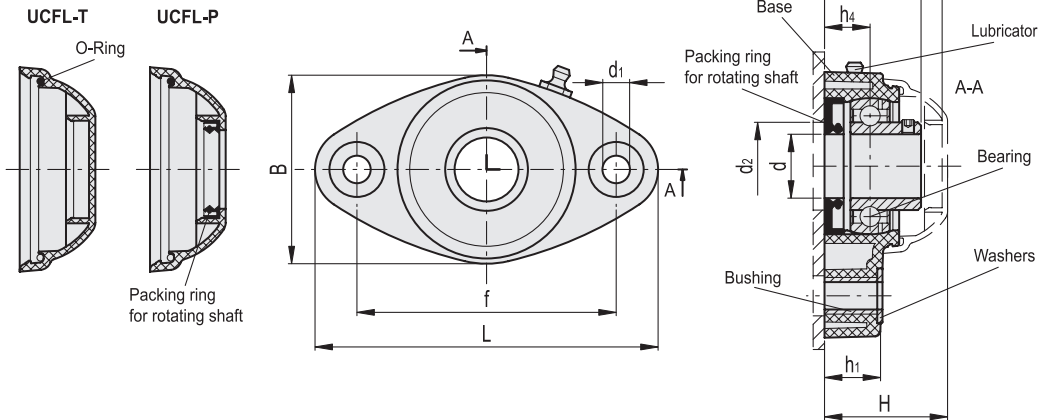
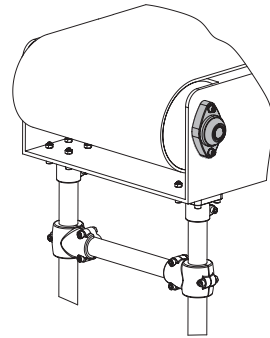
Instructions of use

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.
- 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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american units

Code	Description	d	d ₁	d _{2 min}	d _{2 max}	H	L	B	f	h ₁	h ₂	h ₃	h ₄	Bearing static load [lbf]	Bearing dynamic load [lbf]	Bracket load [lbf]	⚖
90419552	UCFL.205-B-1-T	1.000	0.41	1.77	1.97	1.93	5.16	2.83	3.9	0.87	1.42	1.85	0.67	1568	3136	2240	0.65
90419562	UCFL.206-B-1¼-T	1.250	0.41	1.97	2.36	2.2	5.87	3.39	4.61	1.02	1.61	2.13	0.79	2464	4256	2912	0.87
90419532	UCFL.205-B-1-P	1.000	0.41	1.77	1.97	1.93	5.16	2.83	3.9	0.87	1.42	-	0.67	1568	3136	2240	0.66
90419542	UCFL.206-B-1¼-P	1.250	0.41	1.97	2.36	2.2	5.87	3.39	4.61	1.02	1.61	-	0.79	2464	4256	2912	0.89

metric units

Code	Description	d	d ₁	d _{2 min}	d _{2 max}	H	L	B	f	h ₁	h ₂	h ₃	h ₄	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°.

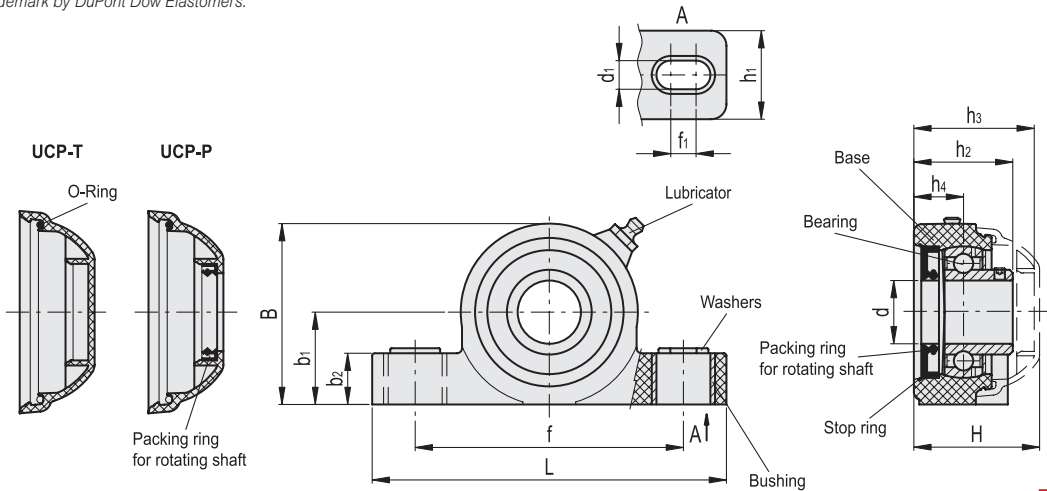
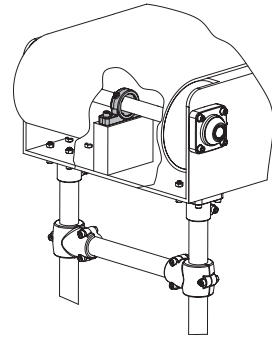
Instructions of use

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.
- 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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american units

Code	Description	d	d ₁	f ₁	H	L	B	f	b ₁	b ₂	h ₁	h ₂	h ₃	h ₄	Bearing static load [lbf]	Bearing dynamic load [lbf]	Bracket load [lbf]	⚖
90419553	UCP.205-C-1-T	1.000	0.51	0.39	2.04	5.51	2.81	4.17	1.44	0.79	1.38	1.54	1.93	0.77	1568	3136	1344	0.73
90419563	UCP.206-C-1¼-T	1.250	0.51	0.39	2.19	6.42	3.33	4.76	1.69	0.79	1.42	1.64	2.09	0.81	2464	4256	2016	1
90419533	UCP.205-C-1-P	1.000	0.51	0.39	2.04	5.51	2.81	4.17	1.44	0.79	1.38	1.54	-	0.77	1568	3136	1344	0.75
90419543	UCP.206-C-1¼-P	1.250	0.51	0.39	2.19	6.42	3.33	4.76	1.69	0.79	1.42	1.64	-	0.81	2464	4256	2016	1.02

metric units

Code	Description	d	d ₁	f ₁	H	L	B	f	b ₁	b ₂	h ₁	h ₂	h ₃	h ₄	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. Closed cap for head bracket or for pass-through shafts.
- 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

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°.

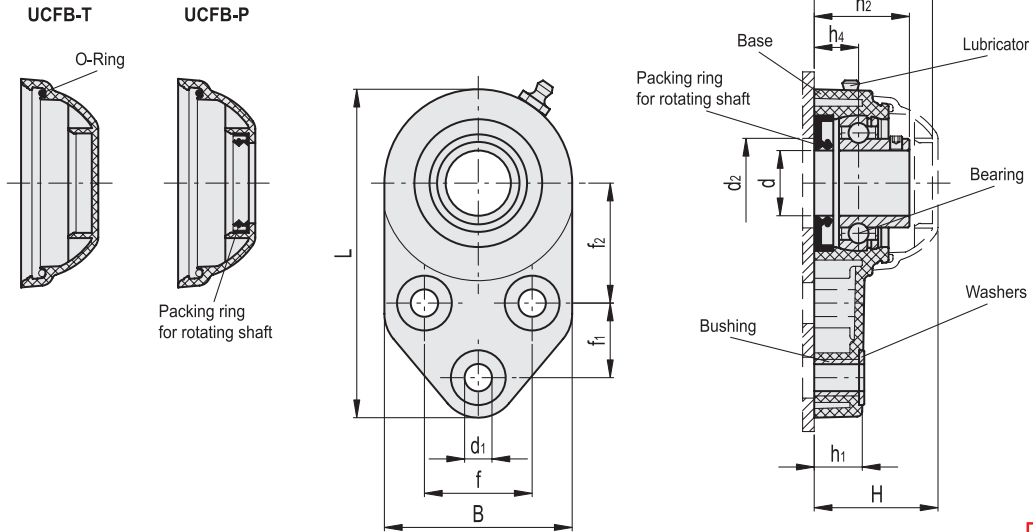
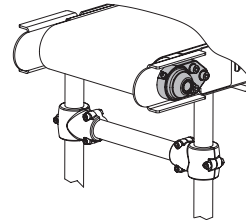
Instructions of use

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.
- 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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american units

Code	Description	d	d ₁	d _{2.min}	d _{2.max}	H	L	B	f	f ₁	f ₂	h ₁	h ₂	h ₃	h ₄	Bearing static load [lbf]	Bearing dynamic load [lbf]	Bracket load [lbf]	⚖
90419554	UCFB.205-D-1-T	1.000	0.41	1.77	1.97	1.95	4.96	2.83	1.63	1.13	1.81	0.75	1.44	1.85	0.67	1568	3136	2016	0.78
90419564	UCFB.206-D-1¼-T	1.250	0.41	1.97	2.36	2.19	5.59	3.35	1.87	1.26	2.06	1.04	1.64	2.09	0.81	2464	4256	2464	1.03
90419534	UCFB.205-D-1-P	1.000	0.41	1.77	1.97	1.95	4.96	2.83	1.63	1.13	1.81	0.75	1.44	-	0.67	1568	3136	2016	0.79
90419544	UCFB.206-D-1¼-P	1.250	0.41	1.97	2.36	2.19	5.59	3.35	1.87	1.26	2.06	1.04	1.64	-	0.81	2464	4256	2464	1.05

metric units

Code	Description	d	d ₁	d _{2.min}	d _{2.max}	H	L	B	f	f ₁	f ₂	h ₁	h ₂	h ₃	h ₄	Bearing static load [N]	Bearing dynamic load [N]	Bracket load [N]	⚖
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

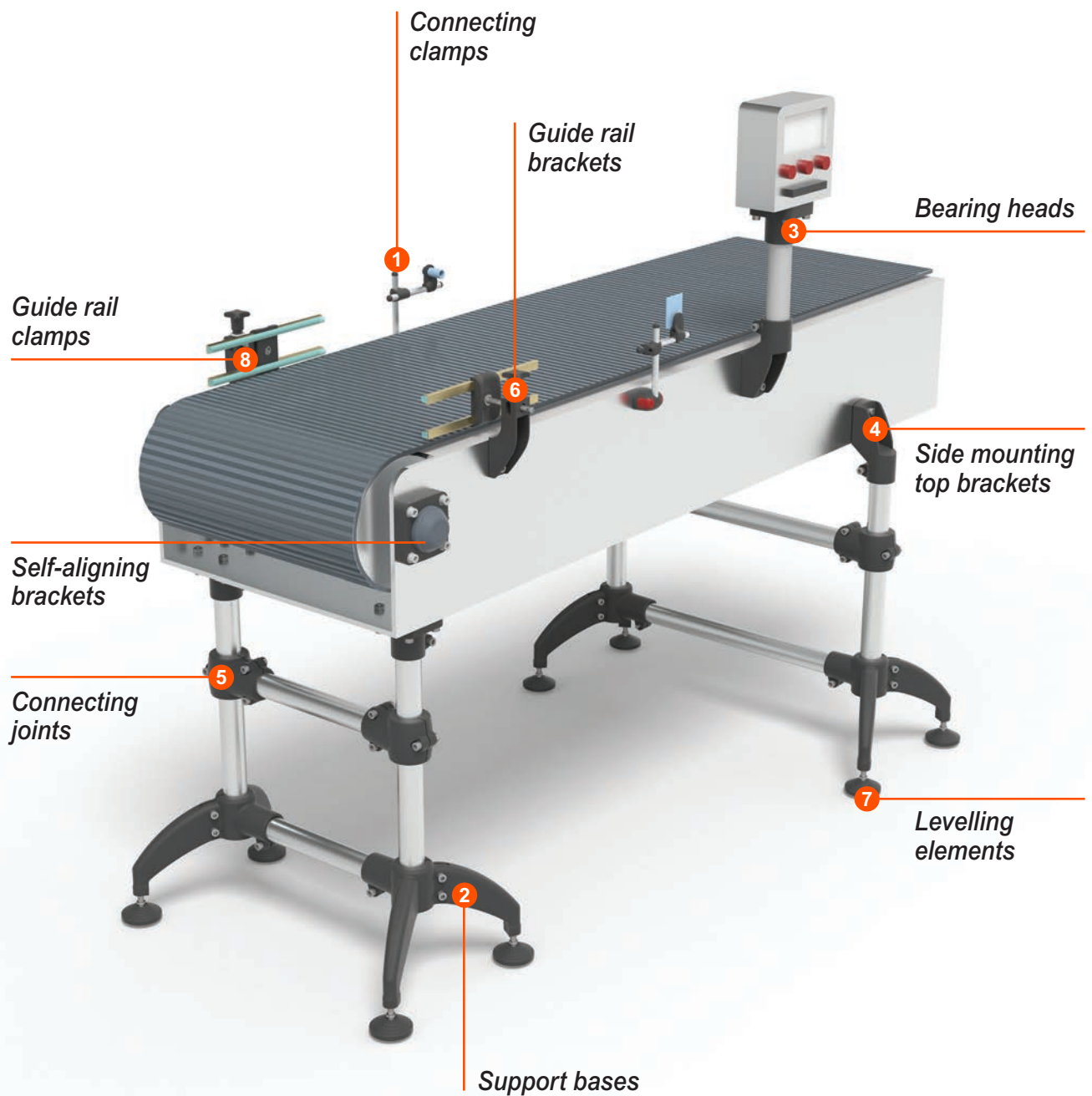


8 MPG • MPG-2 • MPG-S Guide rail clamps

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

INOX
Stainless Steel

Flexible Automation Components





elesa®

ELESA USA Corporation
1930 Case Parkway N.
Twinsburg, Ohio 44087
Phone: +1 330 4051300
Toll Free: 800 374 7686
Fax: +1 330 4051310
www.elesausa.com
elesainfo@elesausa.com

Printed in Italy
ZDEPBRACKETS16AM



www.elesa.com