

# ASUTEC

WEGE ALS ZIELE. THE JOURNEY IS THE REWARD.

PRODUCT CATALOGUE



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## COMPANY

For many years, its extensive experience and service-oriented strategy has made ASUTEC a sympathetic partner in the field of component solutions for transfer systems in linear motion and assembly technology.

The components are used in food and packaging industry, automotive industry and components suppliers, medical technology, cleanroom conveyor systems, photovoltaic and semiconductor industry, high-speed conveyor systems also in the electronics industry and many more.



Headquarter:  
Asutec GmbH  
Küferstr. 11  
D-73257 Königswinter

## QUALITY

Our optimum quality standard makes us a professional and reliable partner for our customers. We assume responsibility for our goods and services and ensure maximum service availability. Our quality management system is certified in accordance with the ISO 9001:2008 standard.

## CUSTOMER

Our experience and understanding of business processes, combined with in-depth knowledge, enable us to produce successful solutions for our customers - and even special solutions. At ASUTEC, every customer is king.

## SCAN

**THERE ARE DAILY INNOVATIONS, NOT ONLY TO ASUTEC'S PRODUCTS, ALSO IN OUR NEW PRODUCT CATALOGUE.**

Would you like more information about the product you've selected? Simply scan the QR code next to the product to obtain the usual drawings, dimensions and other detailed product information. The QR code provides a direct link to the relevant ASUTEC product page, with the appropriate product sheet. These are always up-to-date.

## ENVIRONMENT

With the certification of its integrated environmental management system in accordance with the DIN EN ISO 14001:2004 standard in 2013, ASUTEC has clearly indicated its environmental philosophy. The ISO 14001 international environmental management standard defines globally recognised requirements for an environmental management system.

## SERVICE

ASUTEC provides support and guidance during all stages of the value-added chain. We implement projects - strategically, confidently and successfully.

### Consulting Services

Professional project planning and expert realization of your individual solution - benefit from ASUTEC's know-how.

### Procurement

Attractive terms and reliable delivery service ASUTEC provides security for all your purchases.

### Commissioning

We support you during the start of operation and assist you throughout the entire process.

### Operation

Service engineers optimize the performance capability of your conveyor system by adjusting the components correctly.

### Objective

Requirement-orientated products and in time order processing, whereby environmental impacts are avoided or reduced to a minimum.

### SERVICE-HOTLINE:

+49 (0)7024 - 80594 - 0  
info@asutec.eu

MUTUAL TRUST IS THE BASIS  
OF SUCCESS

# REPRESENTATIVES OF ASUTEC



WE ARE WHERE OUR CUSTOMERS ARE -  
GLOBALLY AND LOCALLY

Customer proximity is of great importance to ASUTEC. The company is therefore constantly working to expand its global market presence. We guarantee the highest global quality standards, sense of responsibility, as well as our global customer proximity, flexibility and speed, with all decisions taken locally; allowing us to respond quickly – and meet your requirements quickly.

**+ OPTIMIZED FOR PROCESS FORCES**  
 A high stability and stiffness compensates working loads.

**+ COST SAVING**  
 Long service life reduces operational costs.

**+ SPACE SAVING**  
 Compact design reduces the demand of the space requirements and of the working space.

**+ WIDE PRODUCT RANGE**  
 A high degree of adaptability with heat and cold resistant versions.



APPLICATION FOR LOW SPEED AND SHOCK-RESISTANT PARTS

# SEPARATOR WITHOUT DAMPING

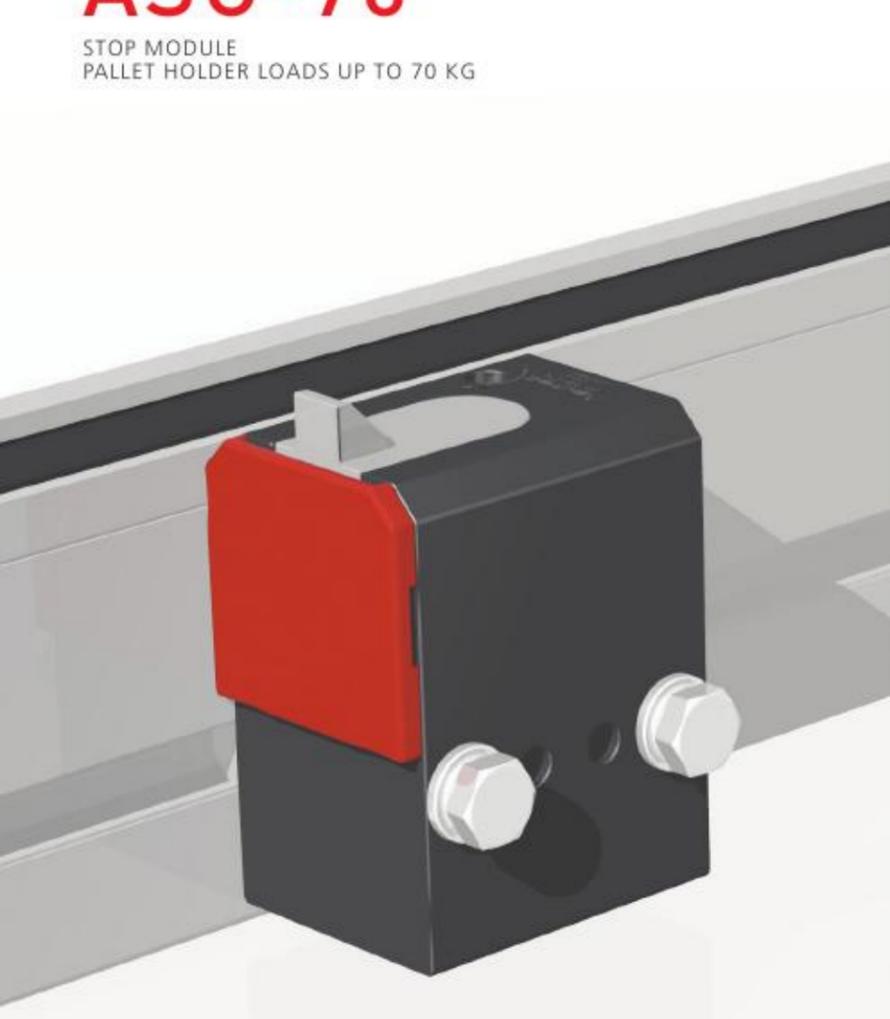
Stops precise one or more accumulated workpiece pallets at a defined stop plate of the workpiece pallet in conveyor systems (for example Bosch Rexroth TS2). Upper and lower position of the stop plate can be detected by inductive or electronic proximity switch. The lowering speed or the start-up of the stop plate in its initial position can be set up by using a throttle (optionally). Therefore the separating function has a very low noise level. Accessories can be selected as required.



	ASU-70	ASU-400	ASU-600	ASU-800
<b>DAMPING MODULE</b>	NO	NO	NO	NO
<b>PALLET HOLDER LOAD</b>	up to 70 kg	up to 400 kg	up to 600 kg	up to 800 kg
<b>STOP PLATE IS SPRING-LOADED</b>	NO	NO	YES	NO
<b>EW= SINGLE ACTING</b>	YES	YES	YES	YES
<b>DW=DOUBLE ACTING</b>	YES	YES	YES	YES
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# ASU-70

STOP MODULE  
PALLET HOLDER LOADS UP TO 70 KG

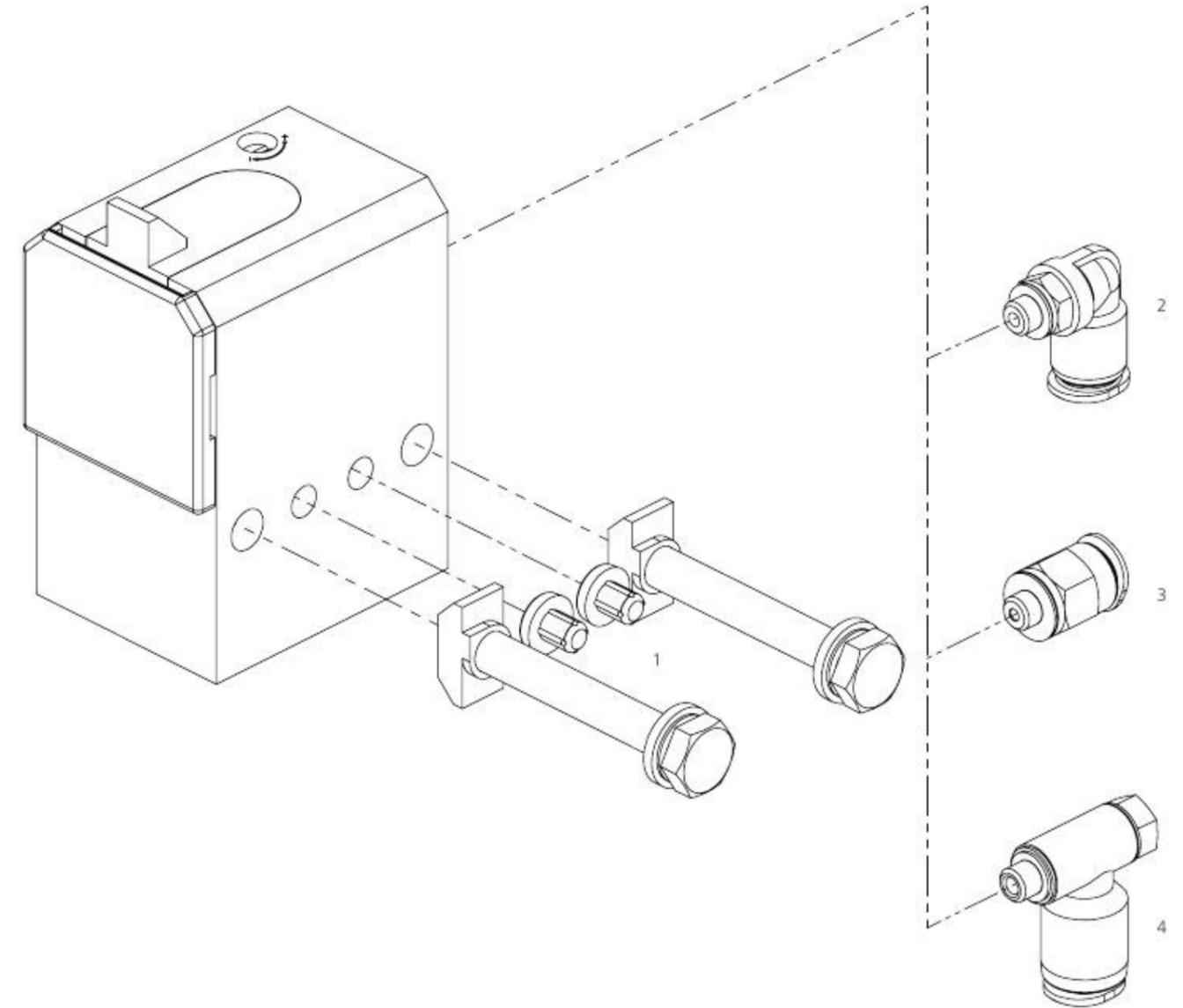


Stops one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece.  
Can also be used for positioning of for example pneumatic cylinders.

- + Extreme stability
- + Maintenance-free
- + Available in many customized versions
- + Pneumatic connection: M5
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>2)</sup>	6	9	12	18	24	30	36	50
ASU - 70	MASS WT [KG] <sup>1)</sup>	70	60	30	20	12	6	4	3

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASU - 70 - EW - 07 - L

Separator without damping, up to 70 kg, single acting, lowering stroke 7 mm, lowering speed adjustable

ASU -	70 -	EW - DW -	07 -	L -	on demand	on demand	Customer-specific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 70 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Lowering speed</b> L = adjustable, therefore extremely quiet	<b>Temperature range</b> - = normal - 20° to +80° H = heat resistant - 20° to +180° K = cold resistant - 50° to +80°	<b>Query</b> - = without sensor I = inductive sensor E = electronic sensor	<b>Customer-specific</b>

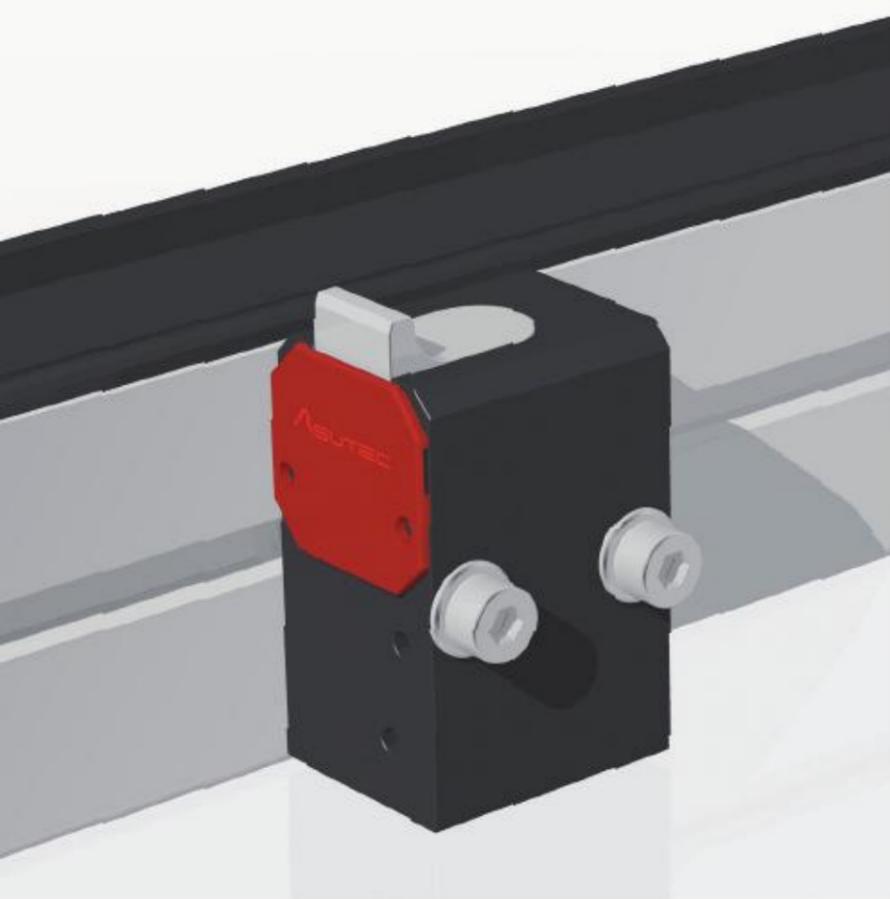
EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000004	Fastening set	
2	14010004	Air connection M5	For tubing outside diameter Ø 6 mm
3	14010009	Air connection M5	For tubing outside diameter Ø 6 mm
4	14010006	Delivery air connection M5	For tubing outside diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASU-400

STOP MODULE  
PALLET HOLDER LOADS UP TO 400 KG



Stops one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. Can also be used for positioning of for example pneumatic cylinders.

- + Extreme stability
- + Maintenance-free
- + Available in many customized versions
- + Pneumatic connection: M5
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>21</sup>	6	9	12	18	24	30	36	50
ASU - 400	<b>MASS WT (KG)<sup>1)</sup></b>	400	300	250	200	110	65	50	30

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

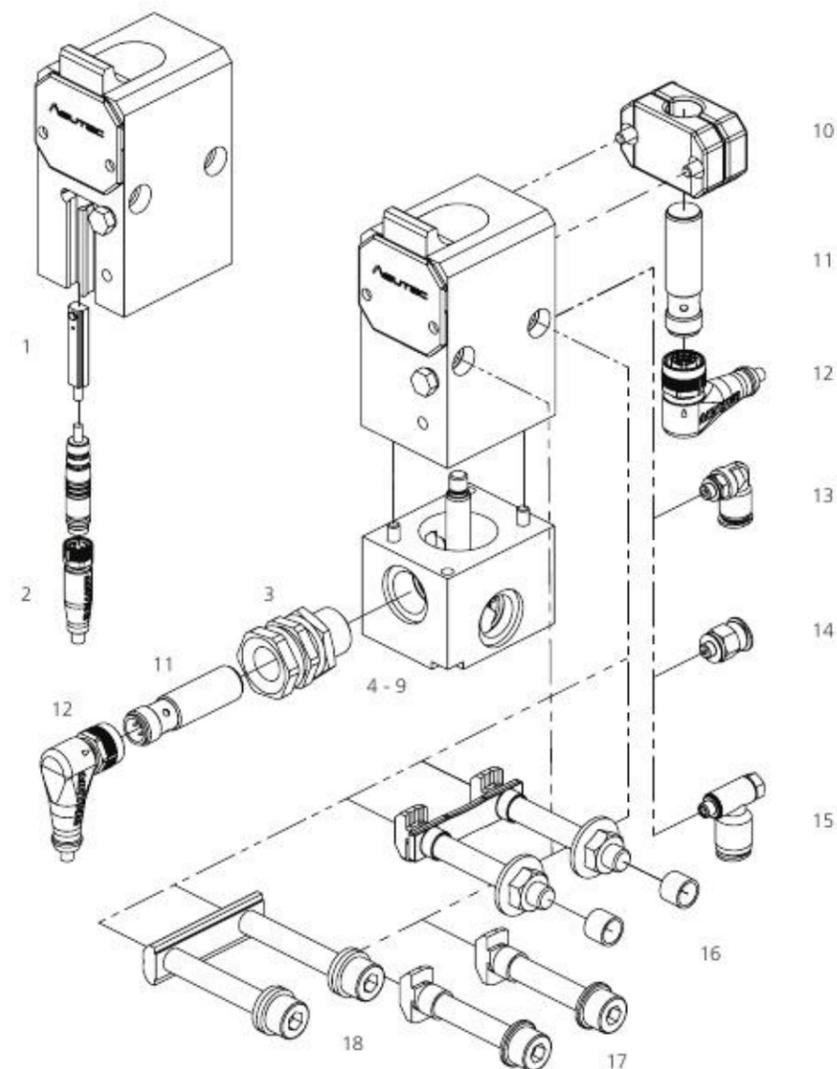
### ASU - 400 - EW - 09

Separator without damping, up to 400 kg, single acting, lowering stroke 9 mm

ASU -	400 -	EW - DW -	09 - 15 - 25 -	- H - K -	- I - E -	- G -	Customerspe- cific no.
<b>Product classi- fication</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 400 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Temperature range</b> - = normal - 20° bis +80° H = heat resistant - 20° to +180° K = cold resistant - 50° to +80°	<b>Query</b> - = without sensor I = inductive sensor E = electronic sensor	<b>Stop plate</b> - = without thread G = with thread	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

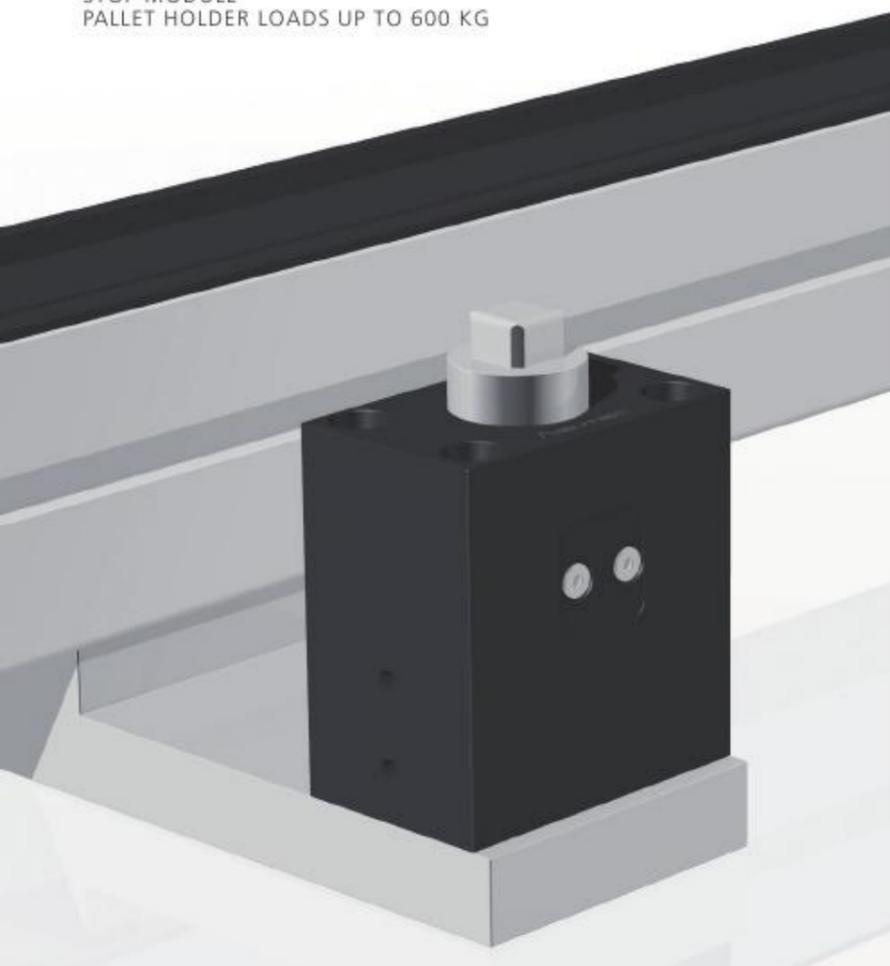


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	15030001	Clamping holder M16x1	Short version
4	75003000	Position detection	09 stroke (EW) (retrofit)
5	75003001	Position detection	15 stroke (EW) (retrofit)
6	75003002	Position detection	25 stroke (EW) (retrofit)
7	75003011	Position detection	09 stroke (DW) (retrofit)
8	75003013	Position detection	15 stroke (DW) (retrofit)
9	75003014	Position detection	25 stroke (DW) (retrofit)
10	75003005	Switch holder	For inductive proximity switch M12x1
11	15000001	Inductive sensor	Ø 12 mm
12	15010001	Connector M12x1	Length 5 m
13	14010004	Air connection M5	For tubing outside diameter Ø 6 mm
14	14010009	Air connection M5	For tubing outside diameter Ø 6 mm
15	14010006	Delivery air connection M5	For tubing outside diameter Ø 6 mm
16	75000001	Fastening set A	With long slot nuts and anti-twist device
17	75000002	Fastening set B	With short slot nuts
18	75000006	Fastening set	With long spacer sleeve

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASU-600

STOP MODULE  
PALLET HOLDER LOADS UP TO 600 KG



Stops one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Stop module ASU-600 can be approached from all 4 sides. Reversing operation is possible.

- + Extreme stability
- + Maintenance-free
- + Available in many customized versions
- + Stop plate is spring-loaded
- + Pneumatic connection: M5
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASU - 600	<b>MASS WT (KG)<sup>11</sup></b>	600	425	360	275	150	95	70	40

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

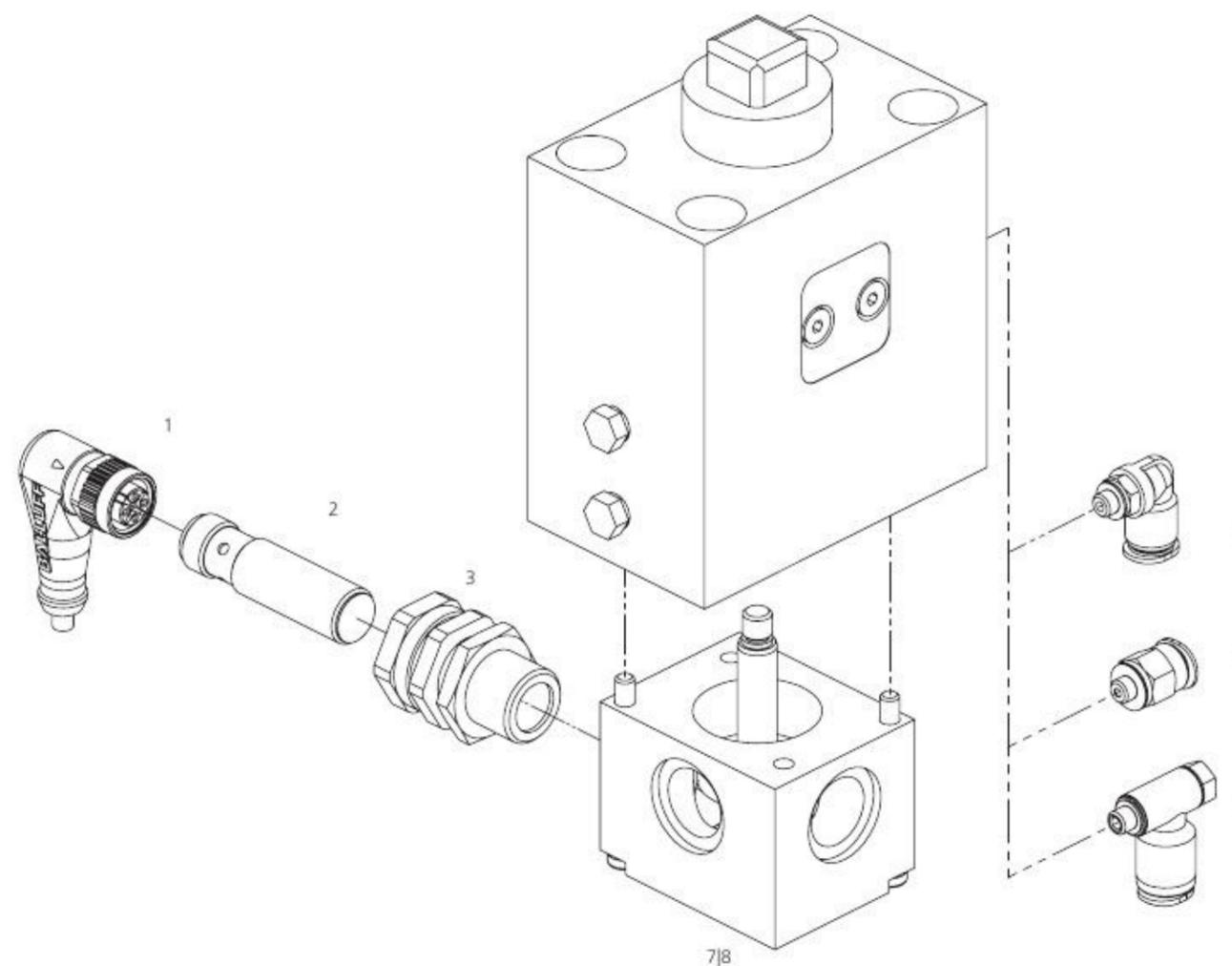
### ASU - 600 - EW - 10

Separator without damping, up to 600 kg, single acting, lowering stroke 10 mm

ASU -	600 -	EW - DW -	10 -	- I -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 600 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> - = without sensor I = inductive sensor	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

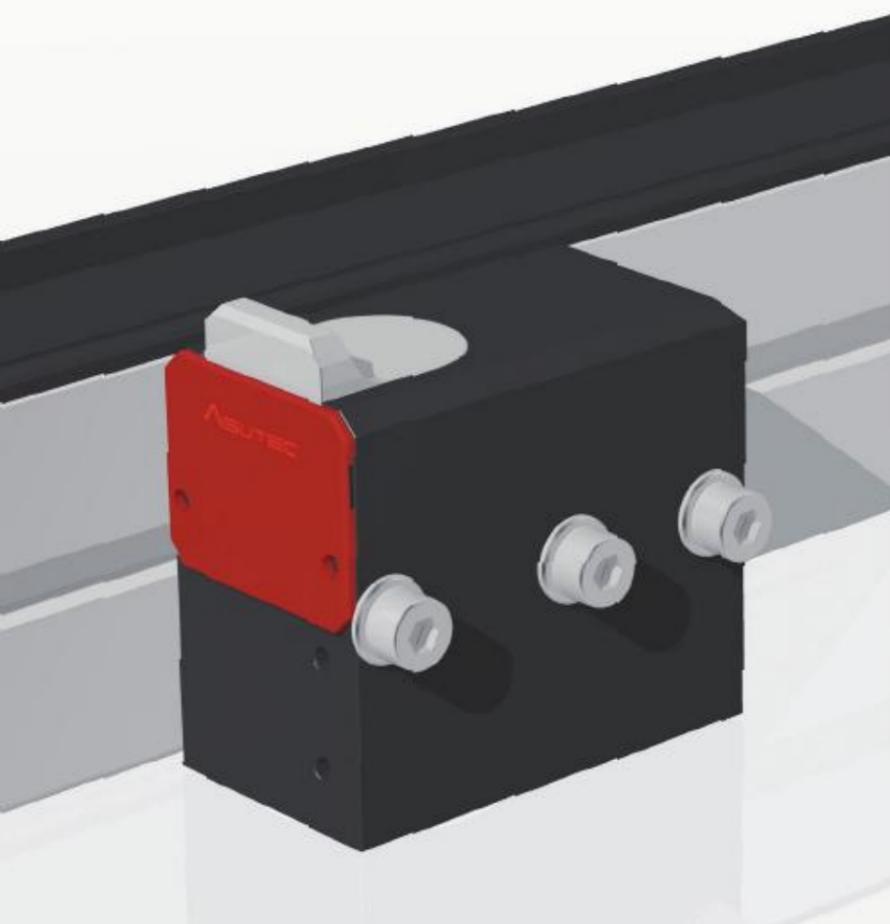
## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000001	Inductive sensor M12x1	
3	15030001	Clamping holder M16x1	Short version
4	14010004	Air connection M5	For tubing outside diameter $\varnothing$ 6 mm
5	14010009	Air connection M5	For tubing outside diameter $\varnothing$ 6 mm
6	14010006	Delivery air connection M5	For tubing outside diameter $\varnothing$ 6 mm
7	75003018	Position detection	Single acting (retrofit)
8	75003019	Position detection	Double acting (retrofit)

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASU-800

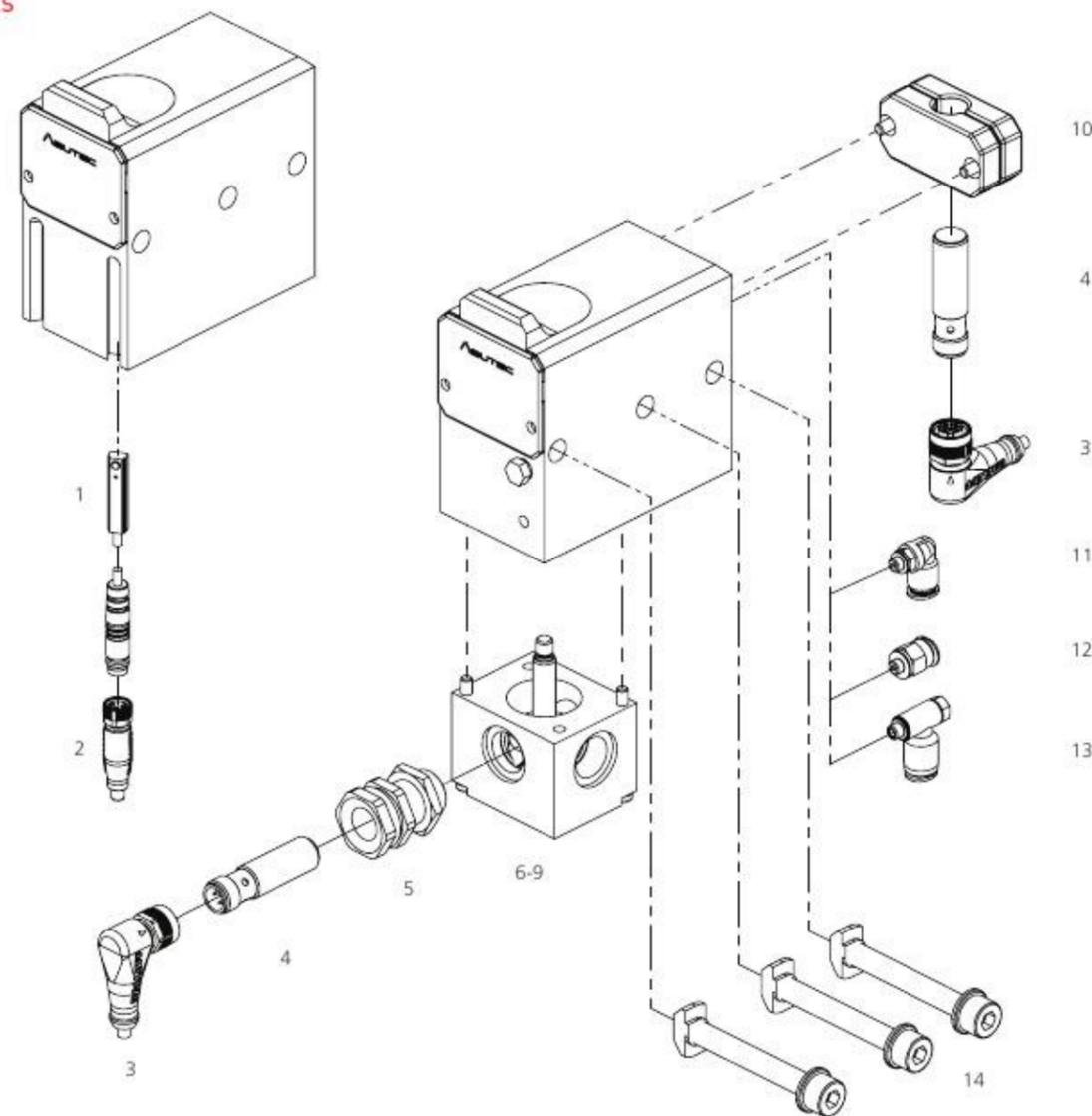


Stops one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. Can also be used for positioning of for example pneumatic cylinders.

- + Extreme stability
- + Maintenance-free
- + Available in many customized versions
- + Pneumatic connection: M5
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASU - 800	MASS WT (KG) <sup>11</sup>	800	800	800	800	450	250	200	100

1) Allowed accumulated load

2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASU - 800 - EW -10

Separator without damping, up to 800 kg, single acting, lowering stroke 10 mm

ASU -	800 -	EW - DW -	10 - 20 -	- H - K -	- I - E -	- G -	Customerspe- cific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 800 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Temperature range</b> - = normal - 20° bis +80° H = heat resistant - 20° to +180° K = cold resistant- 50° to +80°	<b>Query</b> - = without sensor I = inductive sensor E = electronic sensor	<b>Stop plate</b> - = without thread G = with thread	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 mm
3	15010001	Connector M12x1	Length 5 mm
4	15000001	Inductive sensor	Ø 12 mm
5	15030001	Clamping holder M16x1	Short version
6	75003018	Position detection	10 stroke (EW) (retrofit)
7	75003009	Position detection	20 stroke (EW) (retrofit)
8	75003019	Position detection	10 stroke (DW) (retrofit)
9	75003020	Position detection	20 stroke (DW) (retrofit)
10	75003004	Switch holder for inductive proximity switch	Ø 12 mm
11	14010004	Air connection M5	For tubing outside diameter Ø 6 mm
12	14010009	Air connection M5	For tubing outside diameter Ø 6 mm
13	14010006	Air connection M5	For tubing outside diameter Ø 6 mm
14	75000010	Fastening set	

Heat and cold resistant accessories upon request. Subject to technical modification.



**PRECISE**

Fulfills highest requirements regarding positioning accuracy of workpiece pallet.



**INTELLIGENT**

Self-adjusted within a wide weight range.



**RELIABLE**

100% reliability at considerable weight differences of working pieces.



**COMFORTABLE**

Damping force or damping velocity can be adjusted easily.

FEATURES PRODUCT GROUP

# SEPARATOR WITH DAMPING

Damping modules will be used for vibration-free damping of workpiece pallets up to the end position. They guarantee an optimal stability of the working pieces. The stop plate will remain in end position without counterforce. Therefore the workpiece pallets can be positioned exactly without additional indexing. The pneumatical damping can easily be adjusted to the weight of the pallet holder. Accessories can be selected as required.

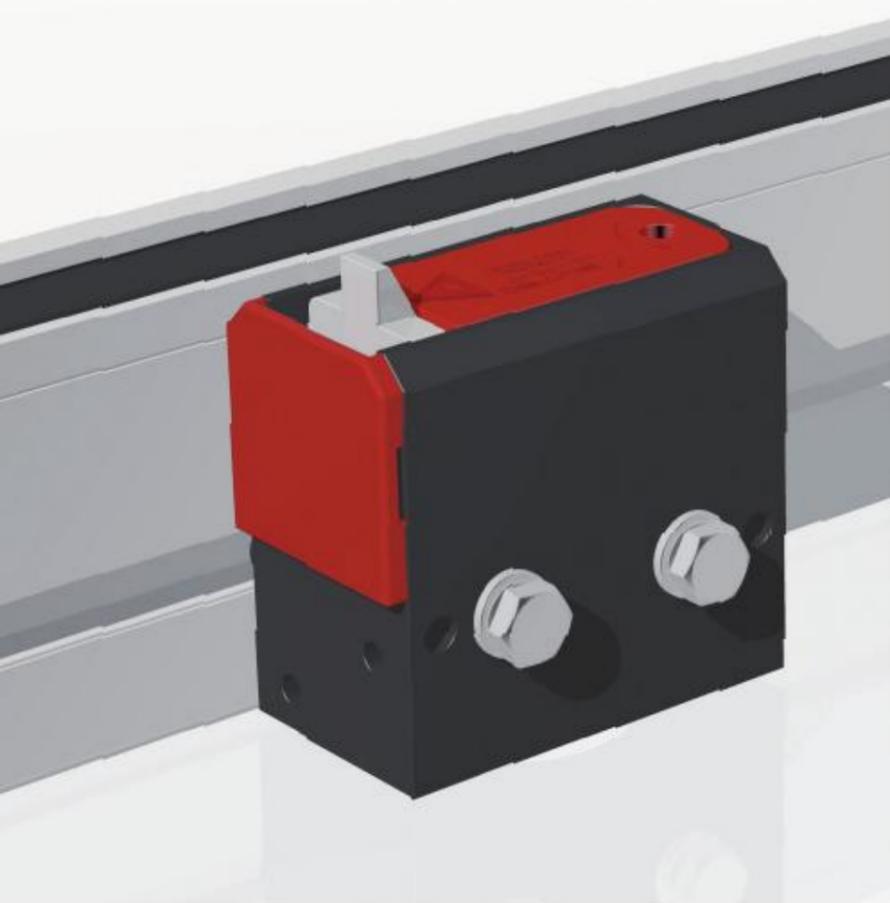


	ASM-15	ASM-20/60	ASM-100	ASM-160	ASM-250	ASM-260	ASM-500/1200
<b>DAMPING MODULE</b>	YES	YES	YES	YES	YES	YES	YES
<b>PALLET HOLDER LOAD</b>	0,25 - 15 kg	1 - 60 kg	3 - 100 kg	5 - 160 kg	5 - 250 kg	10 - 260 kg	10 - 1200 kg
<b>STOP PLATE IS SPRING-LOADED</b>	ELECTRONIC	ELECTRONIC INDUCTIVE	INDUCTIVE	ELECTRONIC INDUCTIVE	ELECTRONIC INDUCTIVE	ELECTRONIC INDUCTIVE	ELECTRONIC INDUCTIVE
<b>EW= SINGLE ACTING</b>	YES	YES	YES	YES	YES	YES	YES
<b>DW=DOUBLE ACTING</b>	YES	YES	YES	YES	YES	YES	YES
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IS USED FOR HIGH CONVEYOR SPEEDS AND SENSITIVE PRODUCTS

# ASM-15

DAMPING MODUL  
FOR PALLET HOLDER LOADS 0,25 - 15 KG

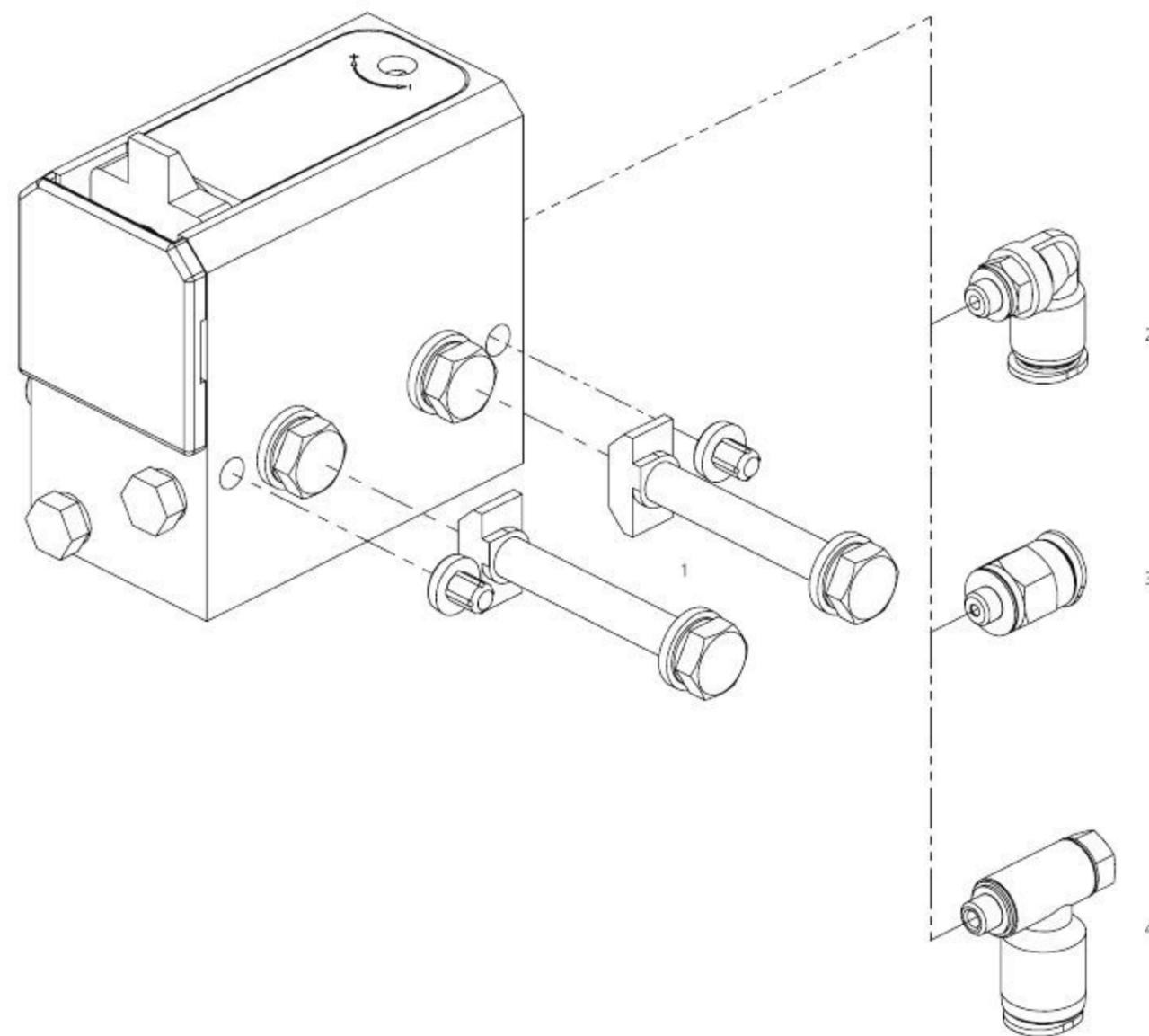


Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Pneumatically separator
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Query



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 15	MASS WT (KG) <sup>1)</sup>	0,25 - 15	0,25 - 10	0,25 - 9	0,25 - 7	0,25 - 6	0,25 - 4	0,25 - 2	0,25 - 1

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASM - 15 - EW - 07

Separator, with damping, up to 15 kg, single acting, lowering stroke 7 mm

ASM -	15 -	EW - DW -	07 -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 15 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Temperature range</b> - = normal - 20° bis +80° H = heat resistant - 20° to +180° K = cold resistant - 50° to +80°	<b>Customer-specific</b>

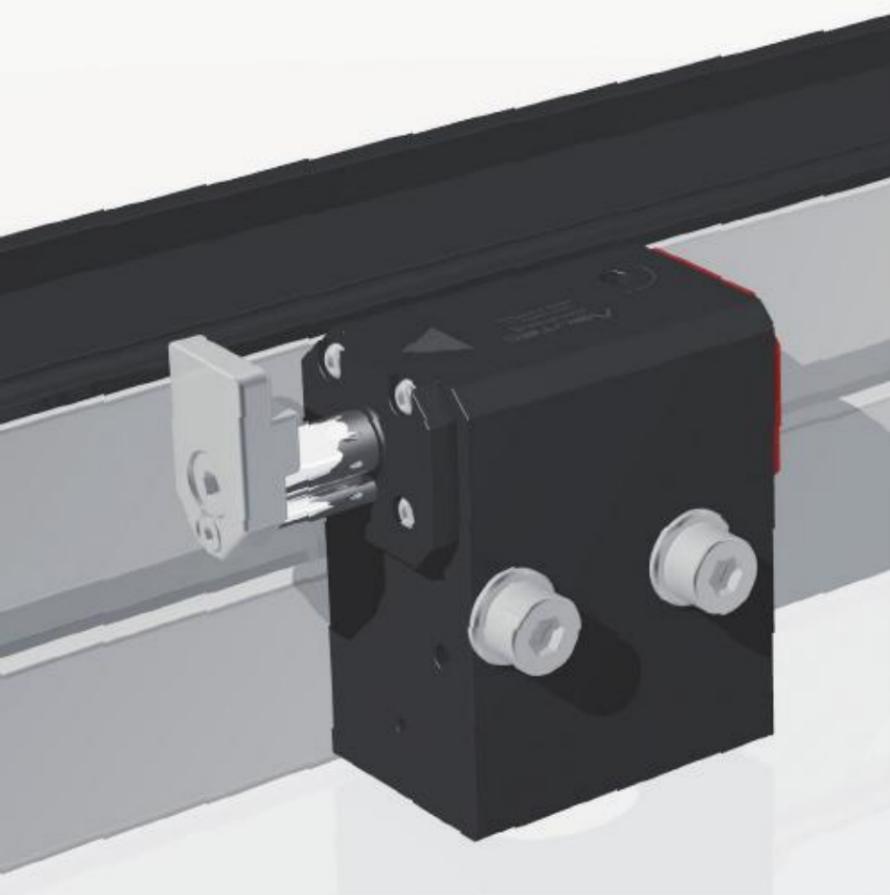
EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000004	Fastening set	
2	14010004	Air connection M5	For tubing external diameter Ø 6 mm
3	14010009	Air connection M5	For tubing external diameter Ø 6 mm
4	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASM-20/60

DAMPING MODULE  
PALLET HOLDER LOADS 1 - 60 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Adjusting from above
- + Hardwearing distortion lock thanks to dual guide
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 20	MASS WT (KG) <sup>1)</sup>	1 - 20	1 - 10	1 - 10	1 - 10	1 - 7	1 - 5	1 - 3	1 - 1,5
ASM - 60	MASS WT (KG) <sup>1)</sup>	3 - 60	3 - 40	3 - 35	3 - 30	3 - 24	3 - 18	3 - 10	3 - 5

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

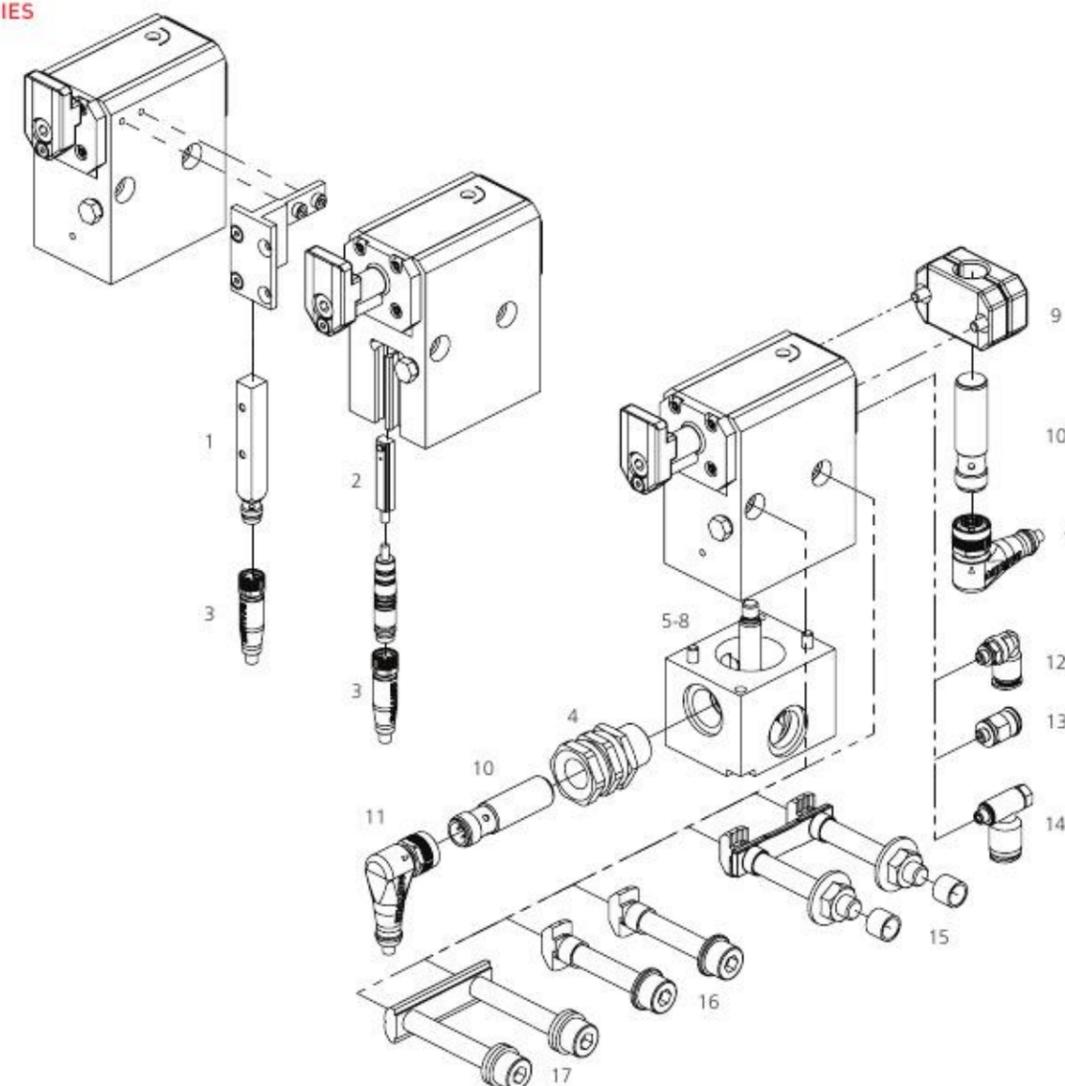
### ASM - 20 - EW - 08

Separator with damping, up to 60 kg, single acting, lowering stroke 8 mm

ASM -	20 - 60 -	EW - DW -	08 - 13 -	- H - K -	- I - E -	- KU -	- S -	Customer-specific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 60 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Position detecting</b> - = without sensor I = inductive sensor E = electronic sensor		<b>Stop plate</b> - = Steel stop KU = plastic stop	<b>Query</b> - = without sensor S = query stop plate retracted	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000003	Inductive sensor	8x8
2	15000000	Electronic sensor	
3	15010000	Connector M8x1	Length 5 m
4	15030001	Clamping holder M16x1	Short version
5	75003010	Position detection	8 stroke (EW) (retrofit)
6	75003015	Position detection	13 stroke (EW) (retrofit)
7	75003016	Position detection	8 stroke (DW) (retrofit)
8	75003017	Position detection	13 stroke (DW) (retrofit)
9	75003005	Switch holder	For inductive proximity switch $\varnothing$ 12 mm
10	15000001	Inductive proximity switch	M12x1
11	15010001	Connector M12x1	Length 5 m
12	14010004	Air connection M5	For tubing external diameter $\varnothing$ 6 mm
13	14010009	Air connection M5	For tubing external diameter $\varnothing$ 6 mm
14	14010006	Delivery air connection M5	For tubing external diameter $\varnothing$ 6 mm
15	75000001	Fastening set A	With long spacer sleeves and anti-twist device
16	75000002	Fastening set B	With short spacer sleeves
17	75000006	Fastening set	With long slot nuts

Heat and cold resistant accessories, upon request. Subject to technical modification.

# ASM-100

DAMPING MODULE  
PALLET HOLDER LOADS 3 - 100 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Adjusting from above
- + Hardwearing distortion lock thanks to dual guide
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 100	MASS WT (KG) <sup>1)</sup>	3 - 100	3 - 70	3 - 60	3 - 50	3 - 40	3 - 30	3 - 17	3 - 9

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

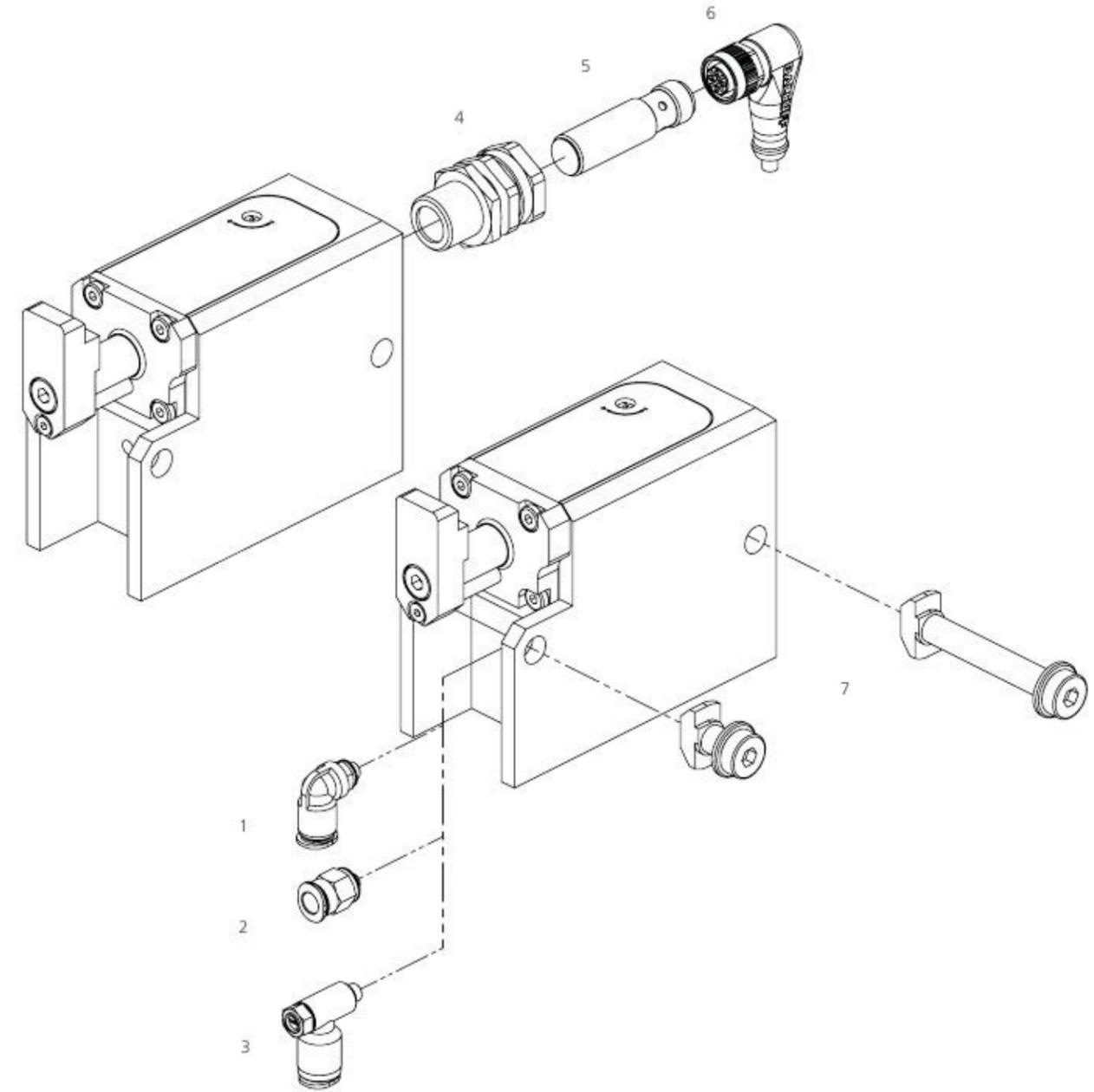
### ASM - 100 - EW - 08

Separator with damping, up to 100 kg, single acting, lowering stroke 8 mm

ASM -	100 -	EW - DW -	08 -	- I - E -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 100 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> - = without sensor I = inductive sensor E = electronic sensor on demand	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010004	Air connection M5	For tubing external diameter Ø 6 mm
2	14010009	Air connection M5	For tubing external diameter Ø 6 mm
3	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
4	15030001	Clamping holder M16x1	Short version
5	15000001	Inductive proximity switch M12x1	
6	15010001	Connector M12x1	Length 5 m
7	75000011	Fastening set	For tubing external diameter Ø 6 mm

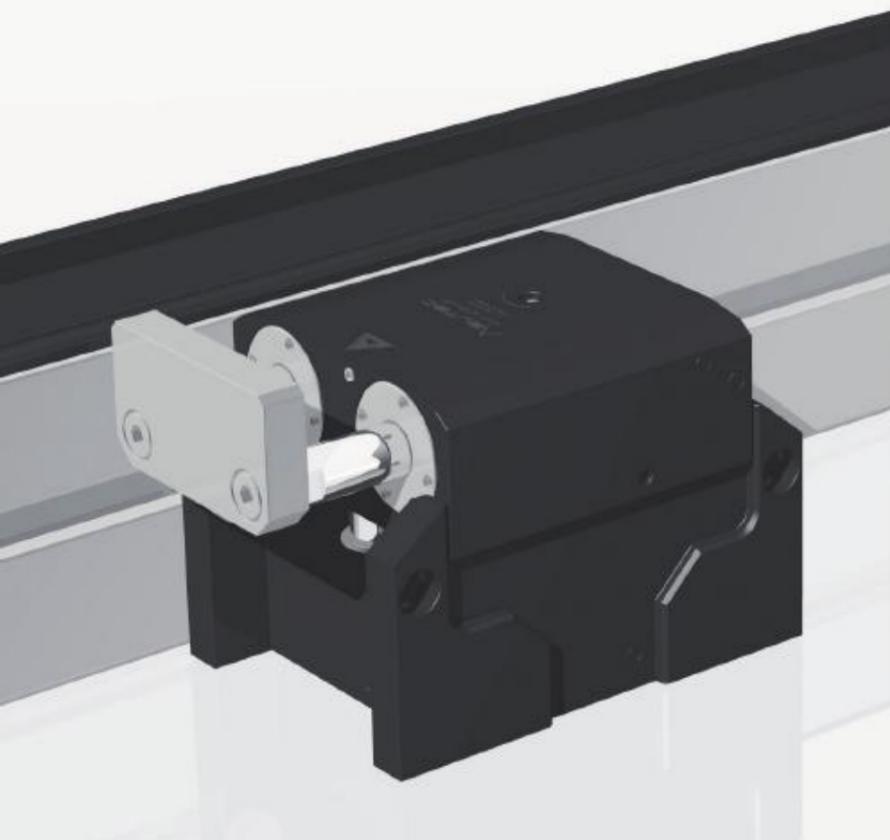
Heat and cold resistant accessories upon request. Subject to technical modification.

# ASM-160

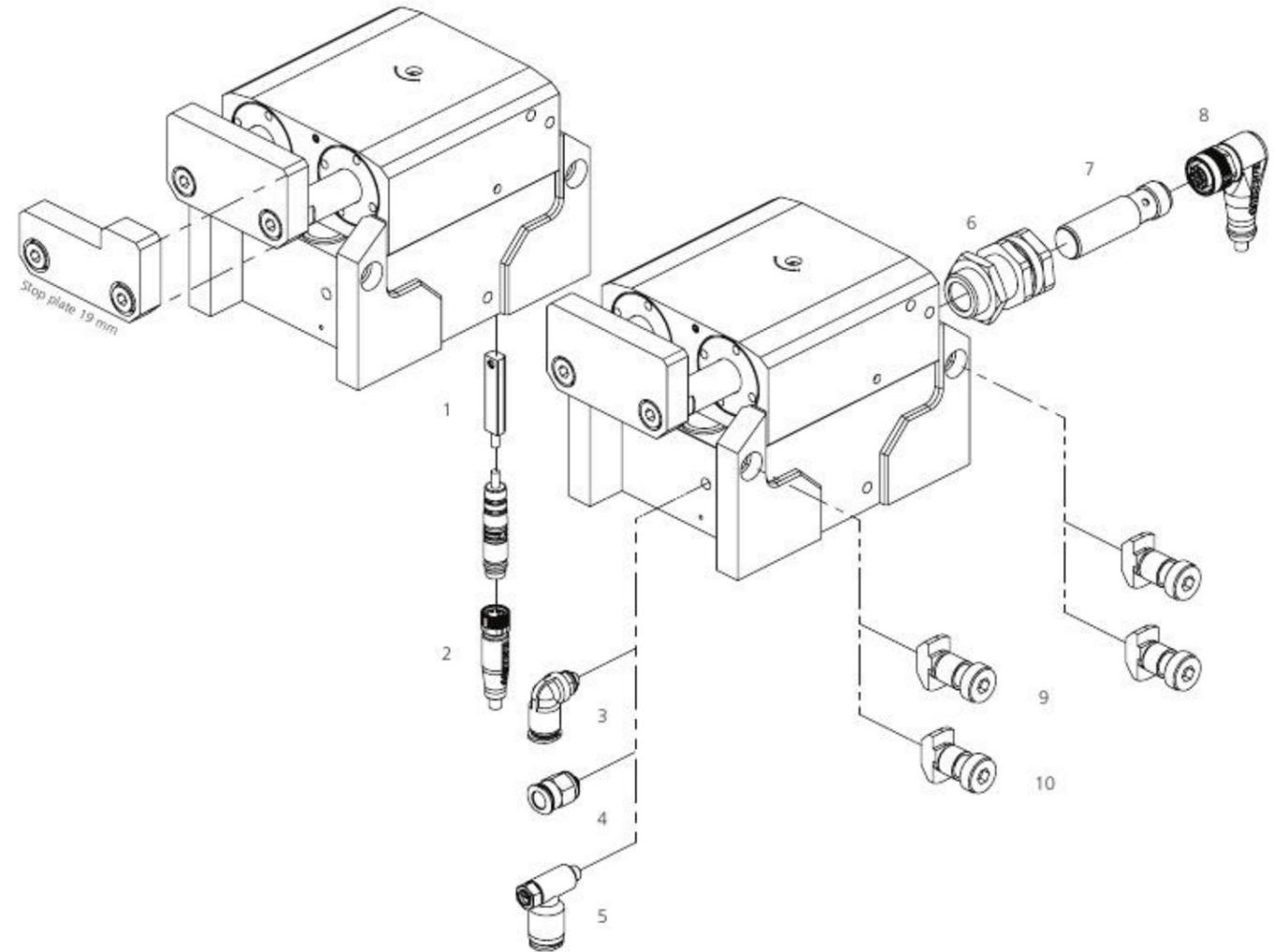
DAMPING MODULE  
PALLET HOLDER LOADS 5 - 160 KG

Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Adjusting from above
- + Hardwearing distortion lock thanks to dual guide
- + Query



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 160	MASS WT (KG) <sup>1)</sup>	5 - 160	5 - 110	5 - 110	5 - 100	5 - 60	3 - 40	3 - 27	3 - 15

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASM - 160 - EW - 09 - E

Separator with damping, up to 160 kg, single acting, lowering stroke 9 mm, electronic sensor

ASM -	160 -	EW - DW -	09 -	I - E -	- A19 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 160 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor E = electronic sensor	<b>Stop plate width</b> - = Steel stop plate 37mm A19 = Steel stop plate 19mm	<b>Customer-specific</b>

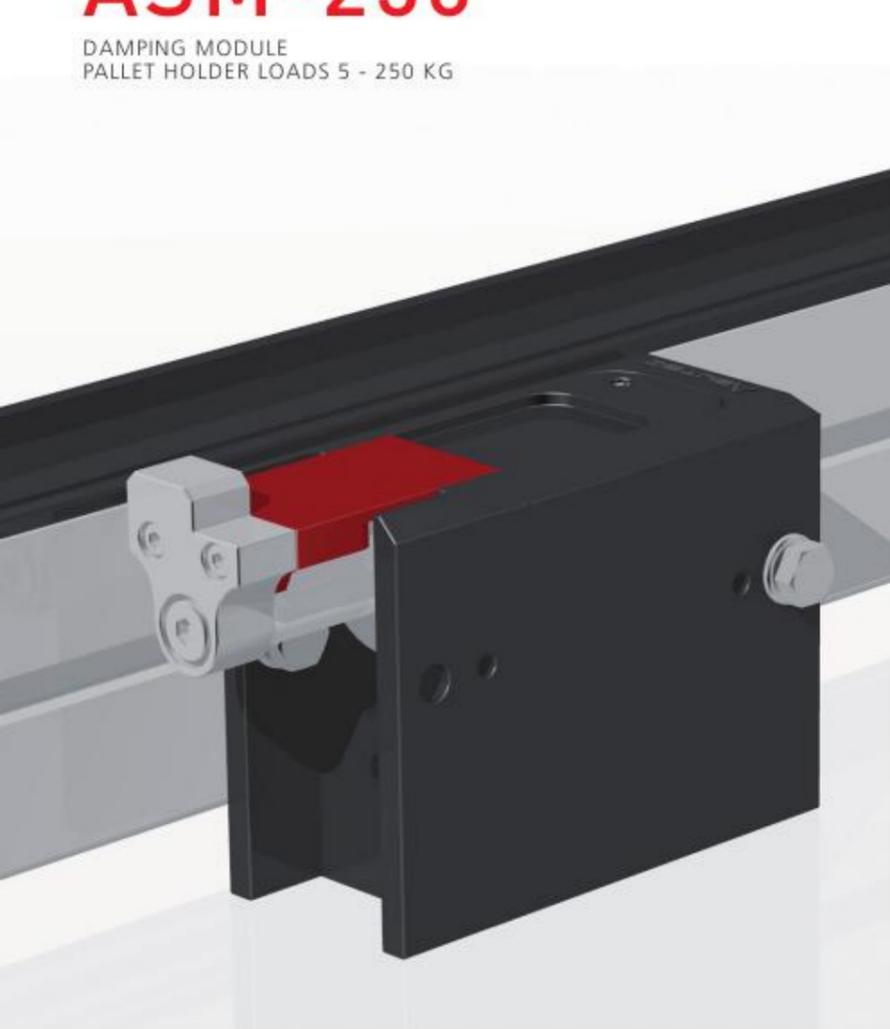
EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	14010004	Air connection M5	For tubing external diameter Ø 6 mm
4	14010009	Air connection M5	For tubing external diameter Ø 6 mm
5	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
6	15030001	Clamping holder M16x1	Short version
7	15000001	Inductive proximity switch	Ø 12 mm
8	15010001	Connector M12x1	Length 5 m
9	75000012	Fastening set A	With long spacer sleeves
10	75000013	Fastening set B	With short spacer sleeves

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASM-250

DAMPING MODULE  
PALLET HOLDER LOADS 5 - 250 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or at the working piece directly. Can also be used for positioning of for example pneumatic cylinders.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Adjusting from above
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 250	<b>MASS WT [KG]<sup>1)</sup></b>	5 - 250	5 - 200	5 - 150	5 - 100	5 - 55	5 - 35	5 - 25	5 - 15

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

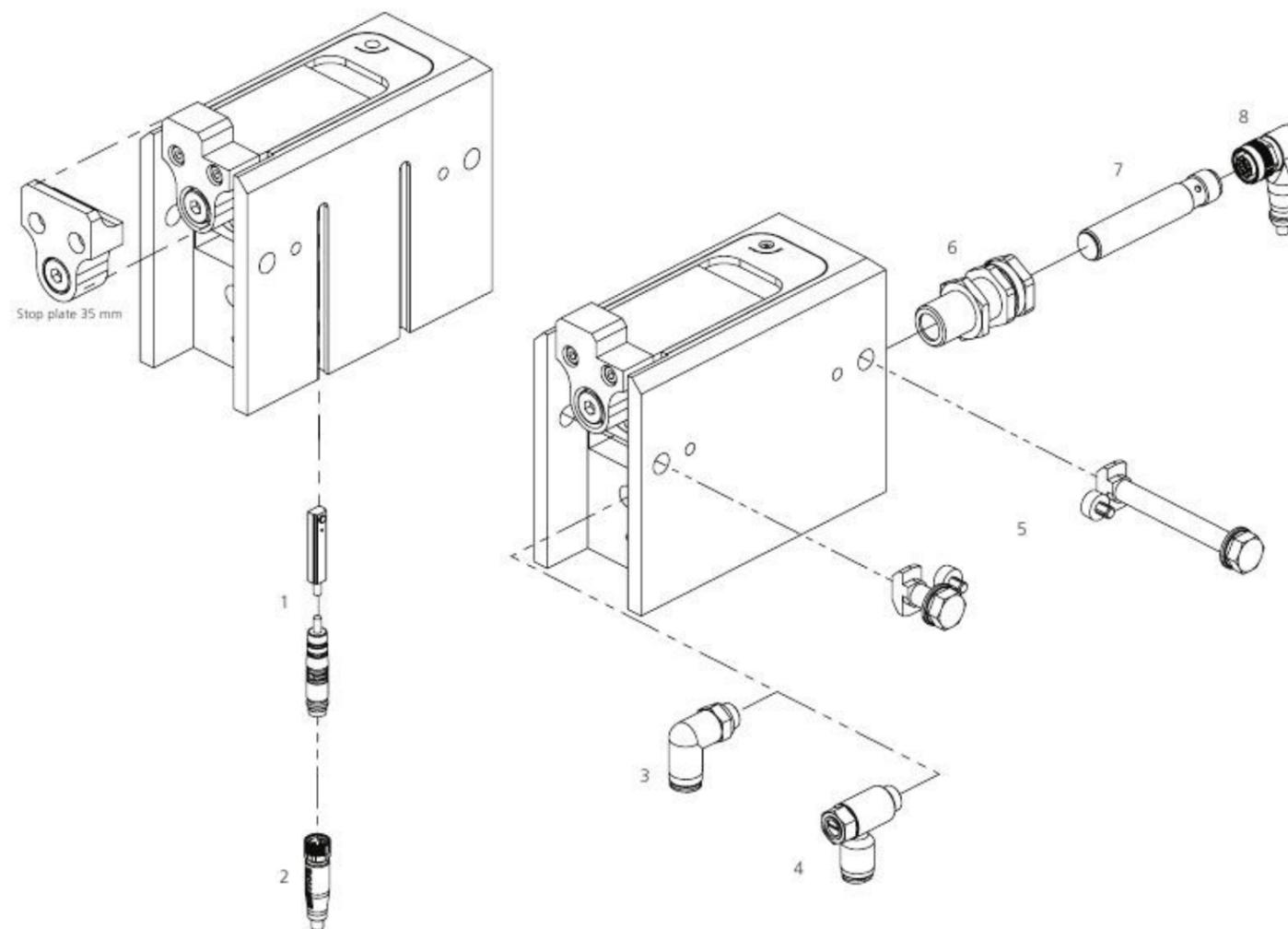
### ASM - 250 - EW - 10

Separator with damping, up to 250 kg, single acting, lowering stroke 10 mm

ASM -	250 -	EW - DW -	10 -	- H - K -	- E -	- A35 -	Customerspe- cific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 250 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Temperature range</b> - = normal - 20° to +80° H = heat resistant - 20° to +180° K = cold resistant - 50° to +80°	<b>Query</b> - = inductive sensor E = electronic sensor	<b>Stop plate width</b> - = 21mm A35 = 35 mm	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

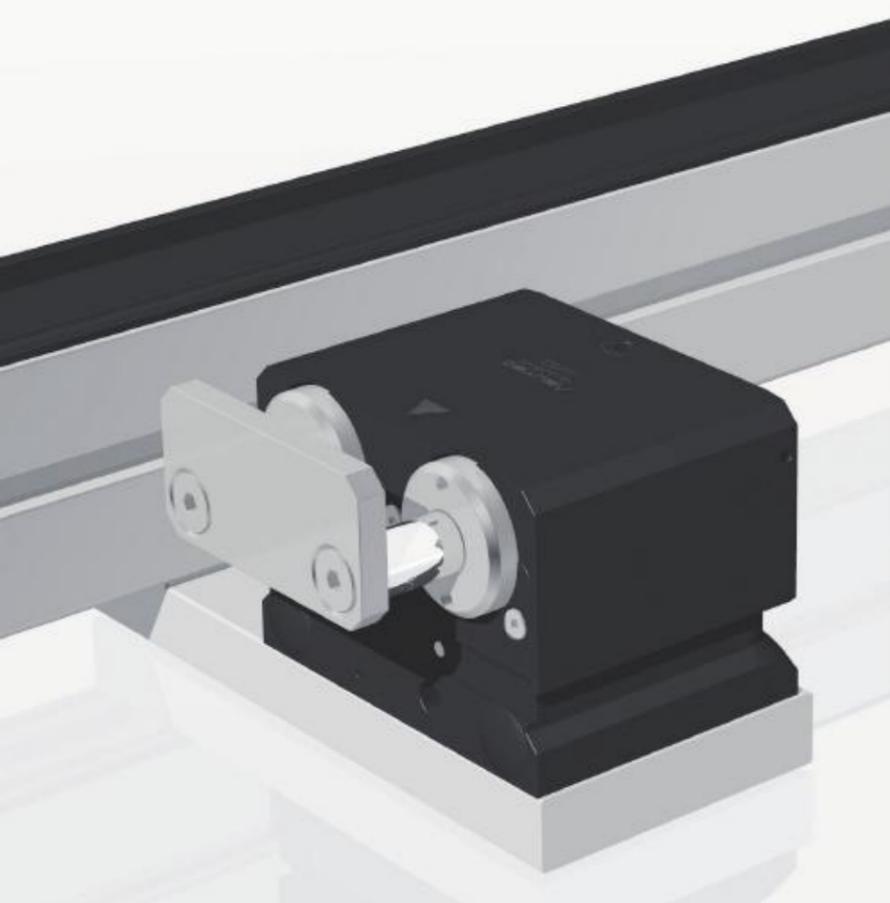


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
4	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm
5	75000025	Fastening set	
6	15020002	Clamping holder M16x1	Long Version
7	15000002	Inductive Proximity switch	Ø 12 mm
8	15010001	Connector M12x1	Length 5 m

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASM-260

DAMPING MODULE  
PALLET HOLDER LOAD 10 - 260 KG

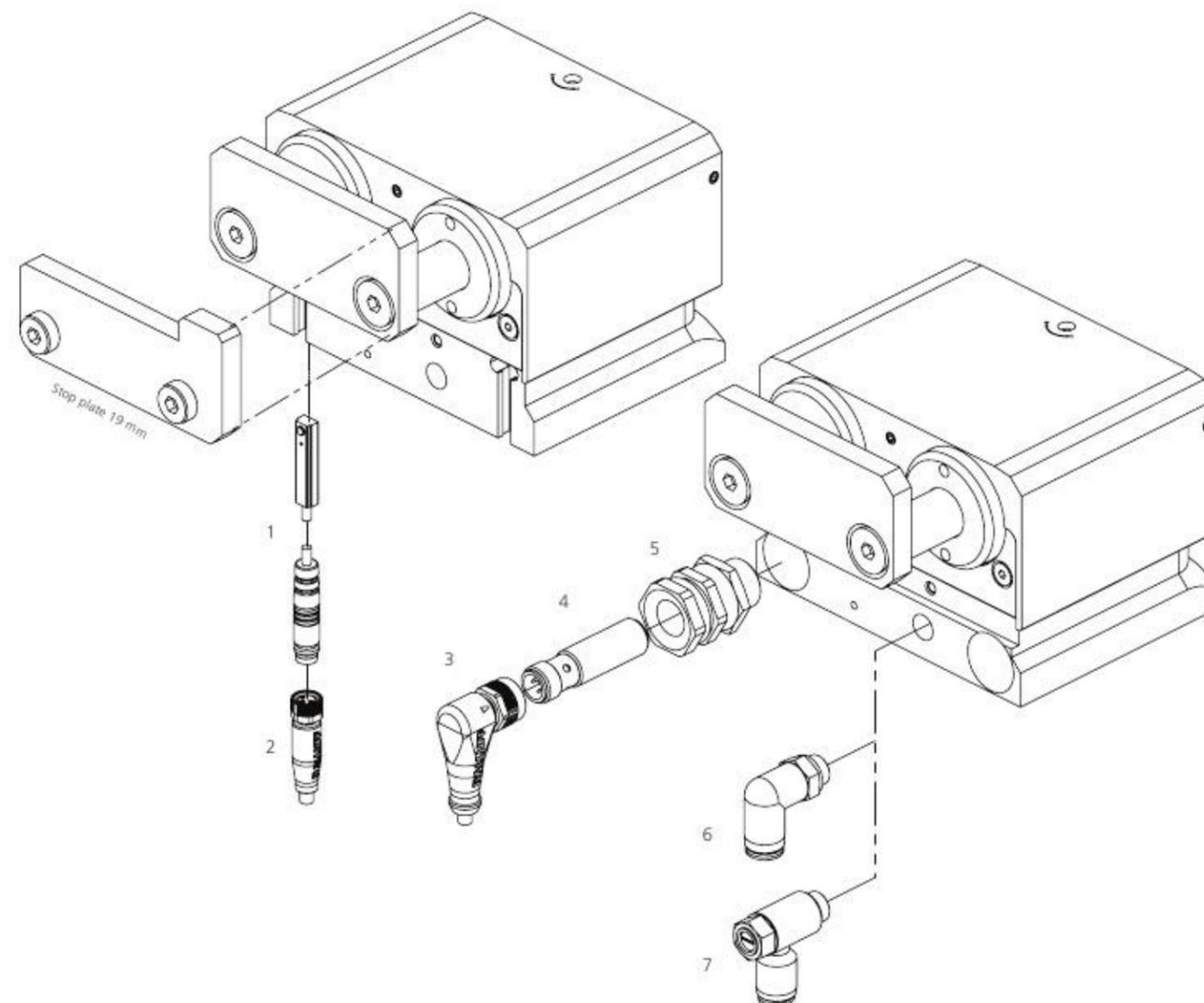


Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. Can also be used for positioning of for example pneumatic cylinders. Protected against dust and liquids.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Adjusting from above
- + Hardwearing distortion lock thanks to dual guide
- + Query



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 260	MASS WT [KG] <sup>1)</sup>	10 - 260	10 - 240	10 - 215	10 - 195	10 - 120	10 - 75	10 - 55	10 - 30

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASM - 260 - EW - 09 - E

Separator with damping, up to 260 kg, single acting, lowering stroke 9 mm, electronic sensor

ASM -	260 -	EW - DW -	09 -	I - E -	- A19 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 260 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor E = electronic sensor on demand	<b>Stop plate width</b> - = Steel stop plate 82mm A19 = Steel stop plate 19mm	<b>Customer-specific</b>

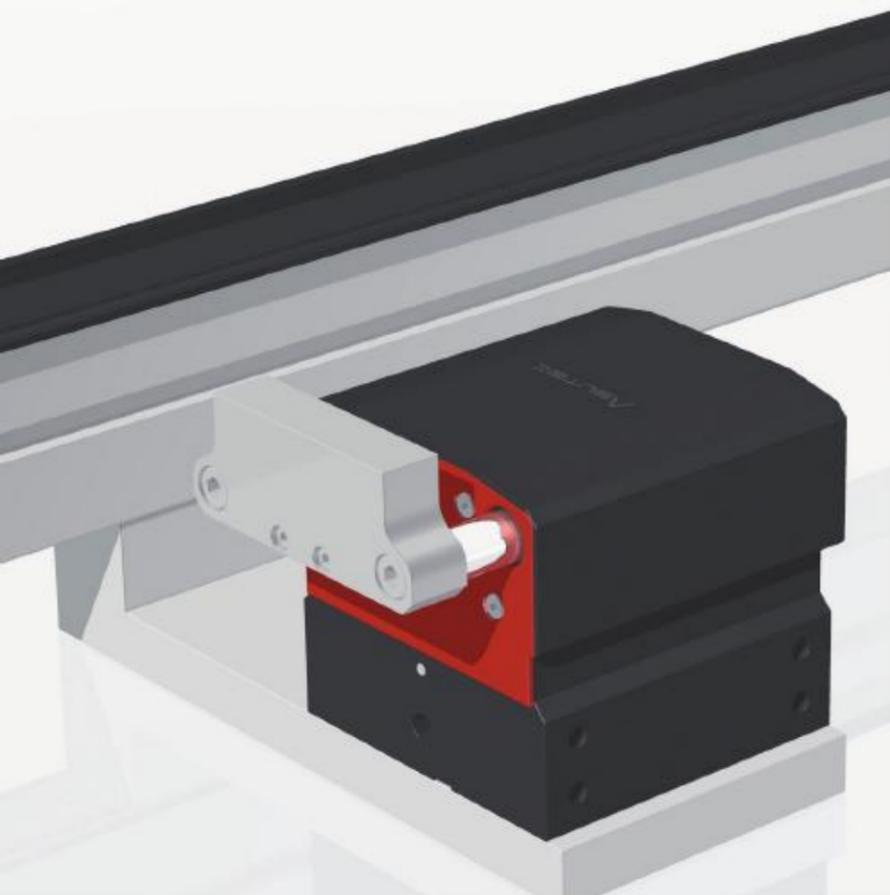
EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	15010001	Connector M12x1	Length 5 m
4	15000001	Inductive Proximity switch M12x1	
5	15030001	Clamping holder M16x1	Short version
6	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
7	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASM-500/1200

DAMPING MODULE  
 PALLET HOLDER LOAD 10 - 1200 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece.  
 Can also be used for positioning of for example pneumatic cylinders.

- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator (ASM-500)
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Hardwearing distortion lock thanks to dual guide
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36	50
ASM - 500	MASS WT (KG) <sup>1)</sup>	10 - 500	10 - 350	10 - 300	10 - 175	10 - 125	10 - 75	10 - 50	10 - 30
ASM - 1200	MASS WT (KG) <sup>1)</sup>		40 - 1200	40 - 1100	40 - 850	40 - 475	40 - 300	40 - 250	

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

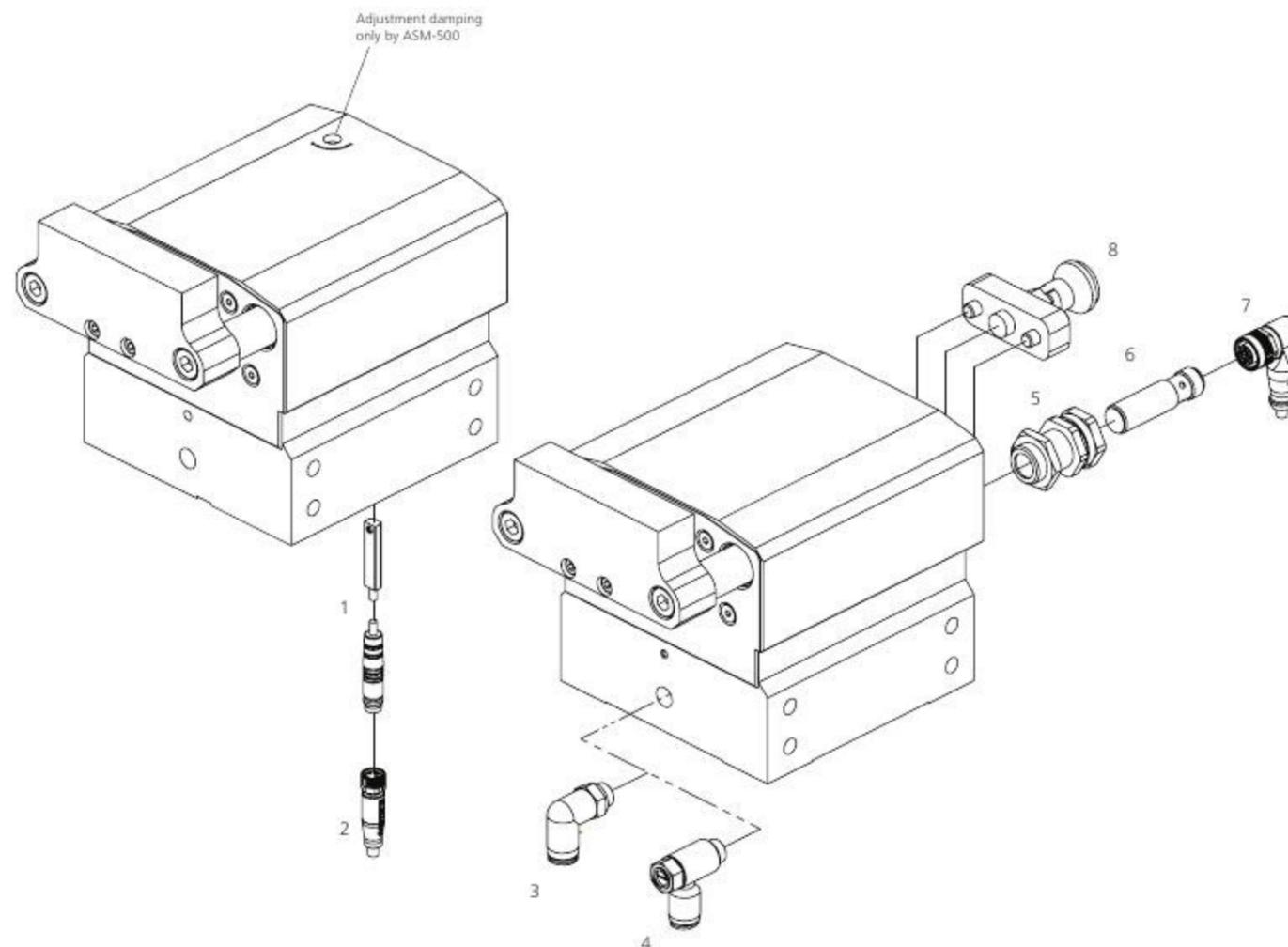
### ASM - 1200 - EW - 15

Separator with damping, up to 1200 kg, single acting, lowering stroke 15 mm

ASM -	500 - 1200 -	EW - DW -	15 -	- E -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 500 kg from 9 m/min up to 1200 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> - = inductive sensor E = electronic sensor	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
 DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
4	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm
5	15030001	Clamping holder M16x1	Short version
6	15000001	Inductive proximity switch M12x1	
7	15010001	Connector M12x1	Length 5 m
8	75009000	Indexing unit	

Heat and cold resistant accessories upon request. Subject to technical modification.

**PRECISE**  
Fulfills highest requirements regarding positioning accuracy of workpiece pallet.

**INTELLIGENT**  
Self-adjusted within a wide of weight range.

**RELIABLE**  
100% reliability at considerable weight differences of working pieces.

**COMFORTABLE**  
Damping force or damping velocity can be adjusted easily.

FEATURES PRODUCT GROUP

# SEPARATOR WITH DAMPING /ANGLE DAMPERS

Very high speeds and high component loads can now be easily and gently dampened using the new ASUTEC dampers. Damping modules will be used for vibration-free damping of workpiece pallets up to the end position. They guarantee an optimal stability of the working pieces. The stop plate will remain in end position without counterforce. Therefore the workpiece pallets can be positioned exactly without additional indexing. The pneumatic damping can easily be adjusted to the weight of the pallet holder. Accessories can be selected as required.

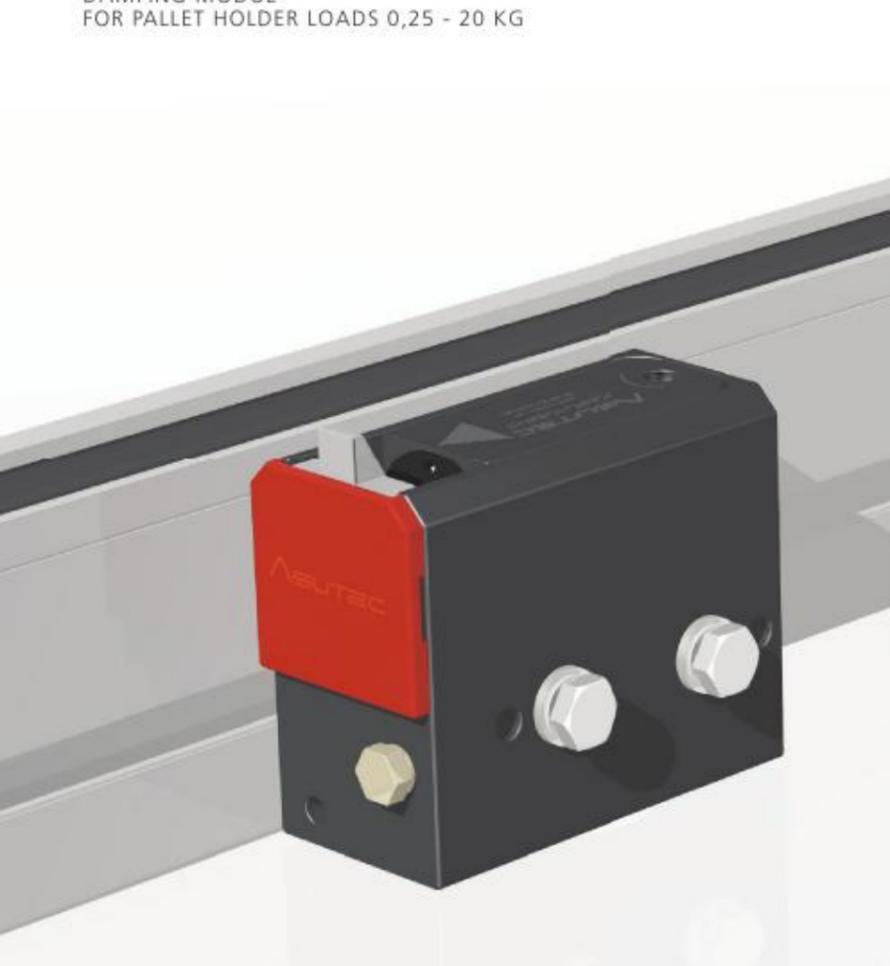


	ASMHS-15	ASMHS-60	ASMHS-100	ASMHS-160	ASMHS-260	ASMEHS-60
<b>SEPERATOR</b>	YES	YES	YES	YES	YES	NO
<b>ANGLE DAMPER</b>	NO	NO	NO	NO	NO	YES
<b>PALLET HOLDER LOAD</b>	0,25 - 20 kg	1 - 70 kg	1 - 140 kg	5 - 220 kg	10 - 360 kg	1 - 70 kg
<b>EW= SINGLE ACTING</b>	YES	YES	YES	YES	YES	YES
<b>DW=DOUBLE ACTING</b>	YES	YES	YES	ON DEMAND	ON DEMAND	ON DEMAND
<b>PAGE</b>	36 - 37	38 - 39	40 - 41	42 - 43	44 - 45	46 - 47

IS USED FOR HIGHER SPEEDS, HIGHER DENSITIES AND SENSITIVE PRODUCTS

# ASMHS-15

DAMPING MODUL  
 FOR PALLET HOLDER LOADS 0,25 - 20 KG

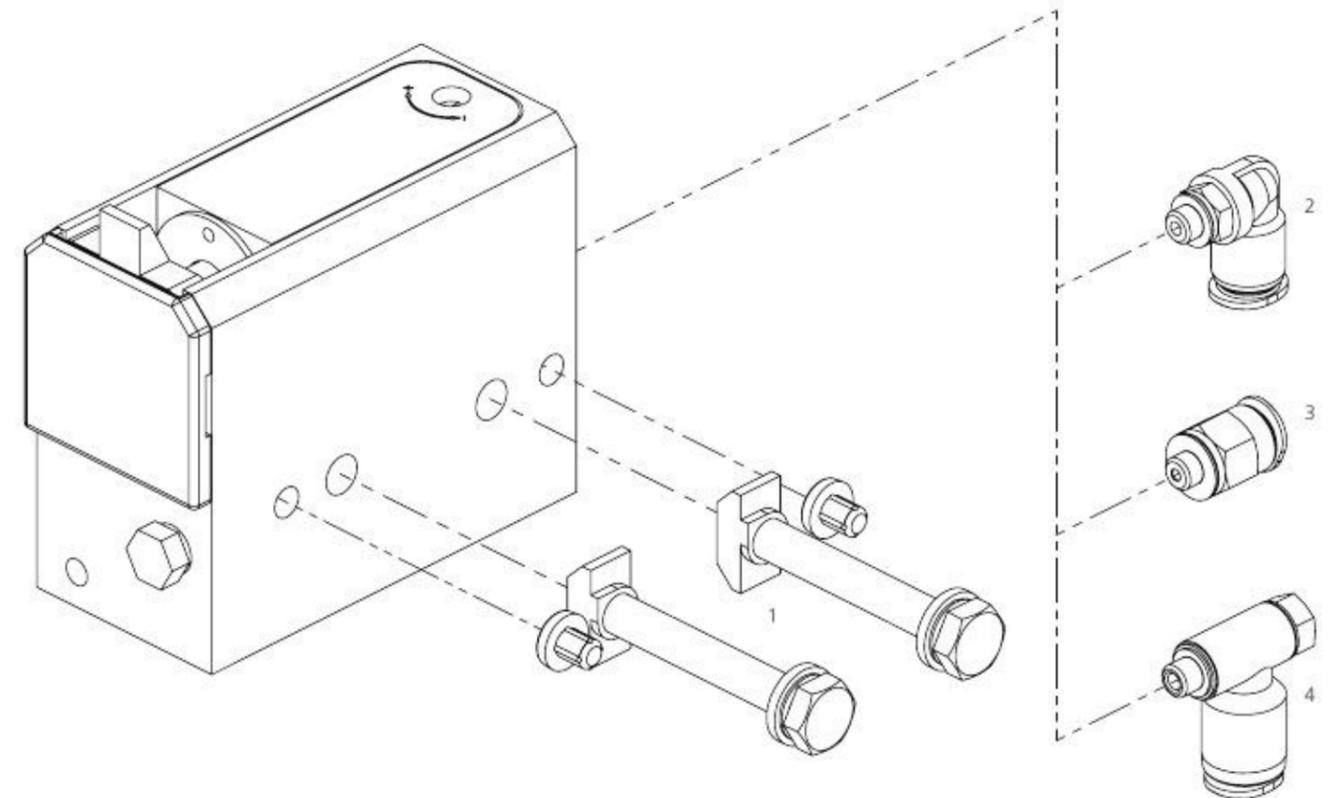


Stops and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + For very high transport speeds or high work loads
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMHS - 15	<b>MASS WT (KG)<sup>1)</sup></b>	0,25 - 20	0,25 - 13	0,25 - 11	0,25 - 9	0,25 - 8	0,25 - 5	0,25 - 3	0,25 - 1,5

<sup>1)</sup> Allowed accumulated load  
<sup>2)</sup> Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASMHS - 15 - EW - 07

Separator, with damping, up to 20 kg, single acting, lowering stroke 7 mm

ASMHS -	15 -	EW - DW -	07 -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 20 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Temperature range</b> - = normal - 20° to +80° H = heat resistant - 20° to +180° K = cold resistant - 50° to +80°	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
 DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000004	Fastening set	
2	14010004	Air connection M5	For tubing external diameter Ø 6 mm
3	14010009	Air connection M5	For tubing external diameter Ø 6 mm
4	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm

Hitze- und kältebeständiges Zubehör auf Anfrage. Änderungen vorbehalten.

# ASMHS-60

DAMPING MODUL  
FOR PALLET HOLDER LOADS 1 - 70 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + For very high transport speeds or high work loads
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Hardwearing distortion lock thanks to dual guide



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMHS - 60	MASS WT (KG) <sup>1)</sup>	1 - 70	1 - 45	1 - 40	1 - 35	1 - 28	1 - 21	1 - 12	1 - 6

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

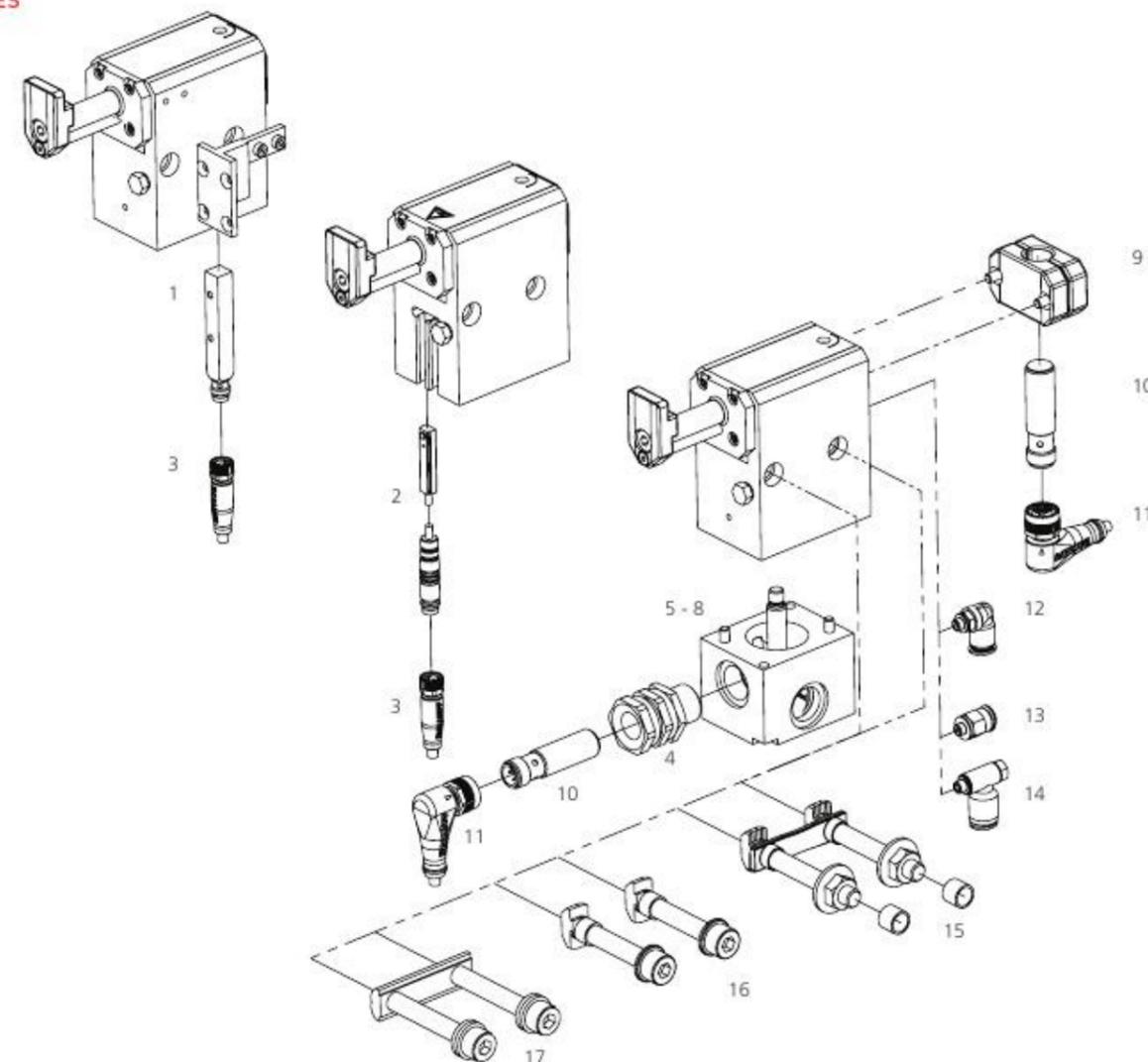
### ASMHS - 60 - EW - 08 - E

Separator with damping, up to 70 kg, single acting, lowering stroke 8 mm

ASMHS -	60 -	EW - DW -	08 - 13 -	- H - K -	- I - E -	- KU -	- S -	Customer-specific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 70 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Position detecting</b> - = without sensor I = inductive sensor E = electronic sensor		<b>Stop plate</b> - = Steel stop KU = plastic stop	<b>Query</b> - = without sensor S = query stop plate retracted	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000003	Inductive sensor	8x8
2	15000000	Electronic sensor	
3	15010000	Connector M8x1	Length 5 m
4	15030001	Clamping holder M16x1	Short version
5	75003010	Position detection	8 stroke (EW) (retrofit)
6	75003015	Position detection	13 stroke (EW) (retrofit)
7	75003016	Position detection	8 stroke (DW) (retrofit)
8	75003017	Position detection	13 stroke (DW) (retrofit)
9	75003005	Switch holder	For inductive proximity switch Ø 12 mm
10	15000001	Inductive proximity switch	M12x1
11	15010001	Connector M12x1	Length 5 m
12	14010004	Air connection M5	For tubing external diameter Ø 6 mm
13	14010009	Air connection M5	For tubing external diameter Ø 6 mm
14	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
15	75000001	Fastening set A	With long spacer sleeves
16	75000002	Fastening set B	With short spacer sleeves
17	75000006	Fastening set	With long slot nuts

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMHS-100

DAMPING MODUL  
 FOR PALLET HOLDER LOADS 5 - 140 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + For very high transport speeds or high work loads
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Hardwearing distortion lock thanks to dual guide



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMHS - 100	<b>MASS WT (KG)<sup>11</sup></b>	5 - 140	5 - 100	5 - 85	5 - 70	5 - 55	5 - 42	5 - 25	5 - 13

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

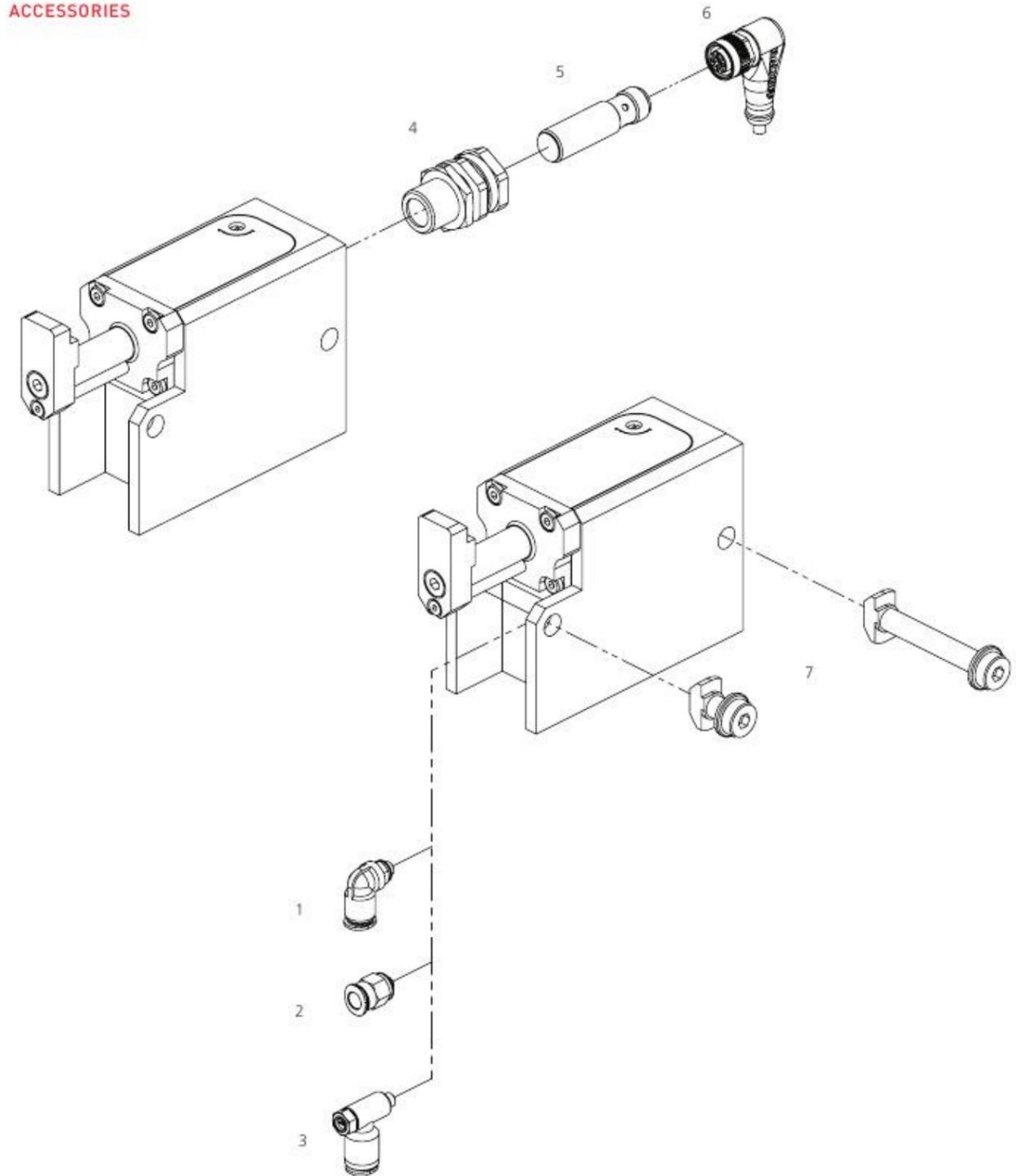
### ASMHS - 100 - EW - 08

Separator with damping, up to 140 kg, single acting, lowering stroke 8 mm

ASMHS -	100 -	EW - DW -	08 -	- I -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 140 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Query</b> - = without sensor I = inductive sensor	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
 DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010004	Air connection M5	For tubing external diameter Ø 6 mm
2	14010009	Air connection M5	For tubing external diameter Ø 6 mm
3	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
4	15030001	Clamping holder M16x1	Short version
5	15000001	Inductive proximity switch M12x1	
6	15010001	Connector M12x1	Length 5 m
7	75000011	Fastening set	

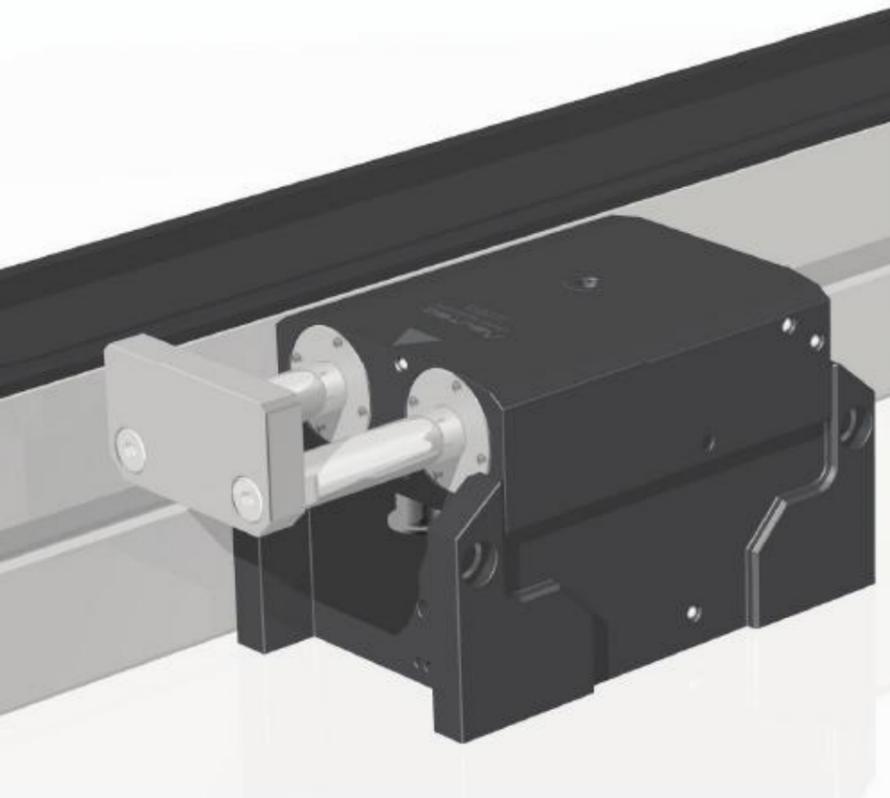
Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMHS-160

DAMPING MODUL  
FOR PALLET HOLDER LOADS 5 - 220 KG

Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example.

- + For very high transport speeds or high work loads
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Hardwearing distortion lock thanks to dual guide
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMHS - 160	<b>MASS WT (KG)<sup>1)</sup></b>	5 - 220	5 - 150	5 - 135	5 - 125	5 - 80	5 - 55	5 - 50	5 - 25

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

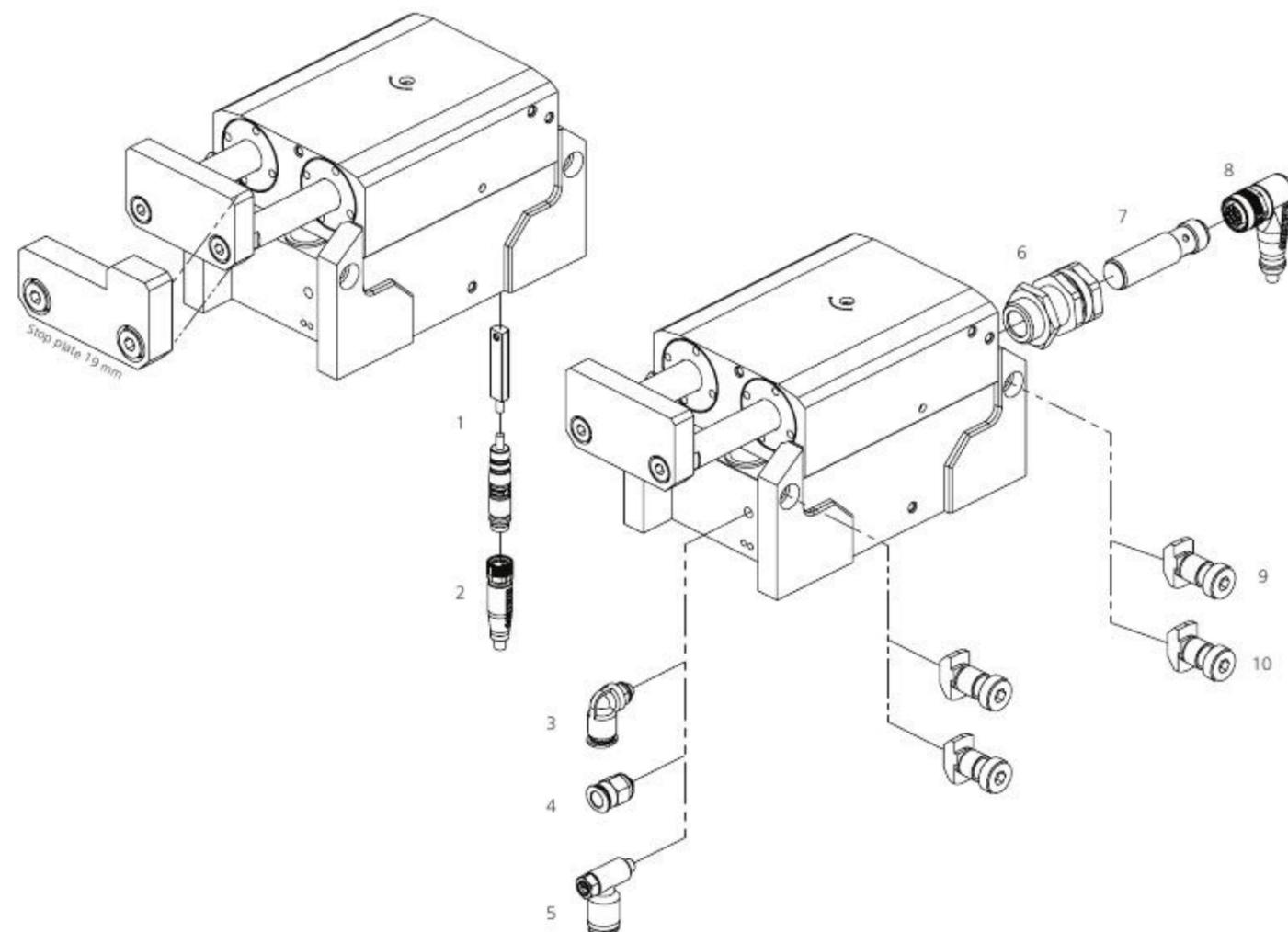
### ASMHS - 160 - EW - 09 - E

Separator with damping, up to 220 kg, single acting, lowering stroke 9 mm, electronic sensor

ASMHS -	160 -	EW - DW -	09 -	I - E -	- A19 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 220 kg	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor E = electronic sensor	<b>Stop plate width</b> - = Steel stop plate 57mm A19 = Steel stop plate 19mm	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

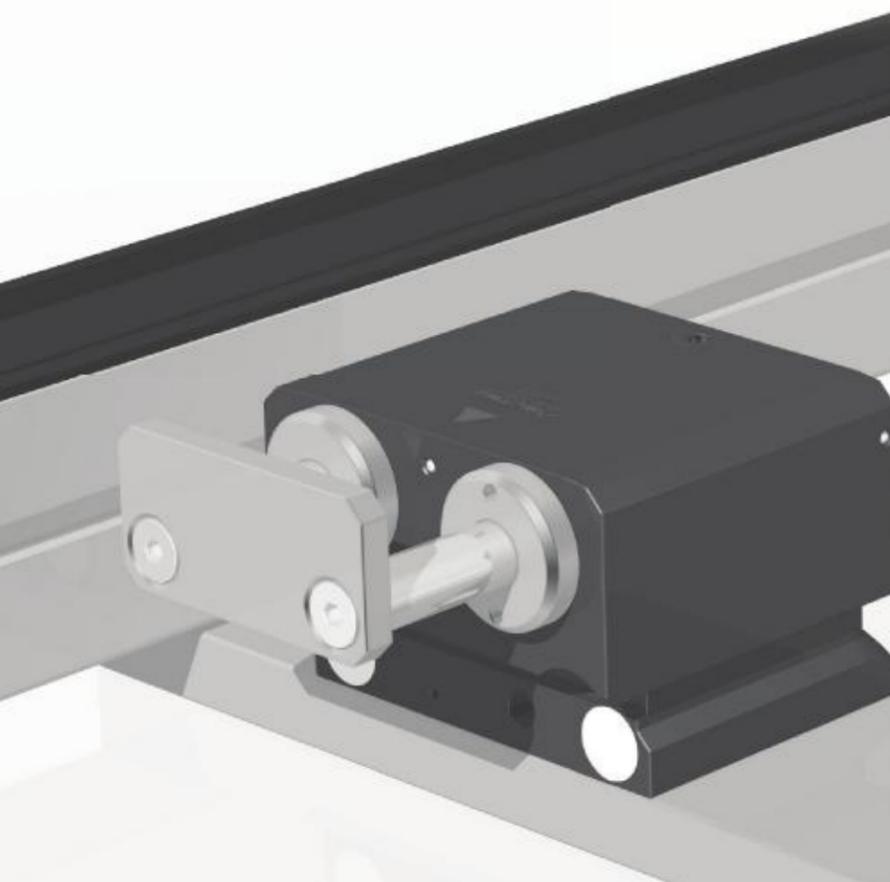


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	14010004	Air connection M5	For tubing external diameter Ø 6 mm
4	14010009	Air connection M5	For tubing external diameter Ø 6 mm
5	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
6	15030001	Clamping holder M16x1	Short version
7	15000001	Inductive proximity switch	Ø 12 mm
8	15010001	Connector M12x1	Length 5 m
9	75000012	Fastening set A	With long spacer sleeves
10	75000013	Fastening set B	With short spacer sleeves

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMHS-260

DAMPING MODUL  
FOR PALLET HOLDER LOADS UP TO 10 - 360 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. Can also be used for positioning of for example pneumatic cylinders. Protected against dust and liquids.

- + For very high transport speeds or high work loads
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + Working Pressure: treated compressed air 4 - 8 bar
- + Hardwearing distortion lock thanks to dual guide
- + Query



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMHS - 260	MASS WT (KG) <sup>1)</sup>	10 - 360	10 - 335	10 - 300	10 - 275	10 - 170	10 - 100	10 - 75	10 - 45

1) Allowed accumulated load

2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

### ASMHS - 260 - EW - 09 - E

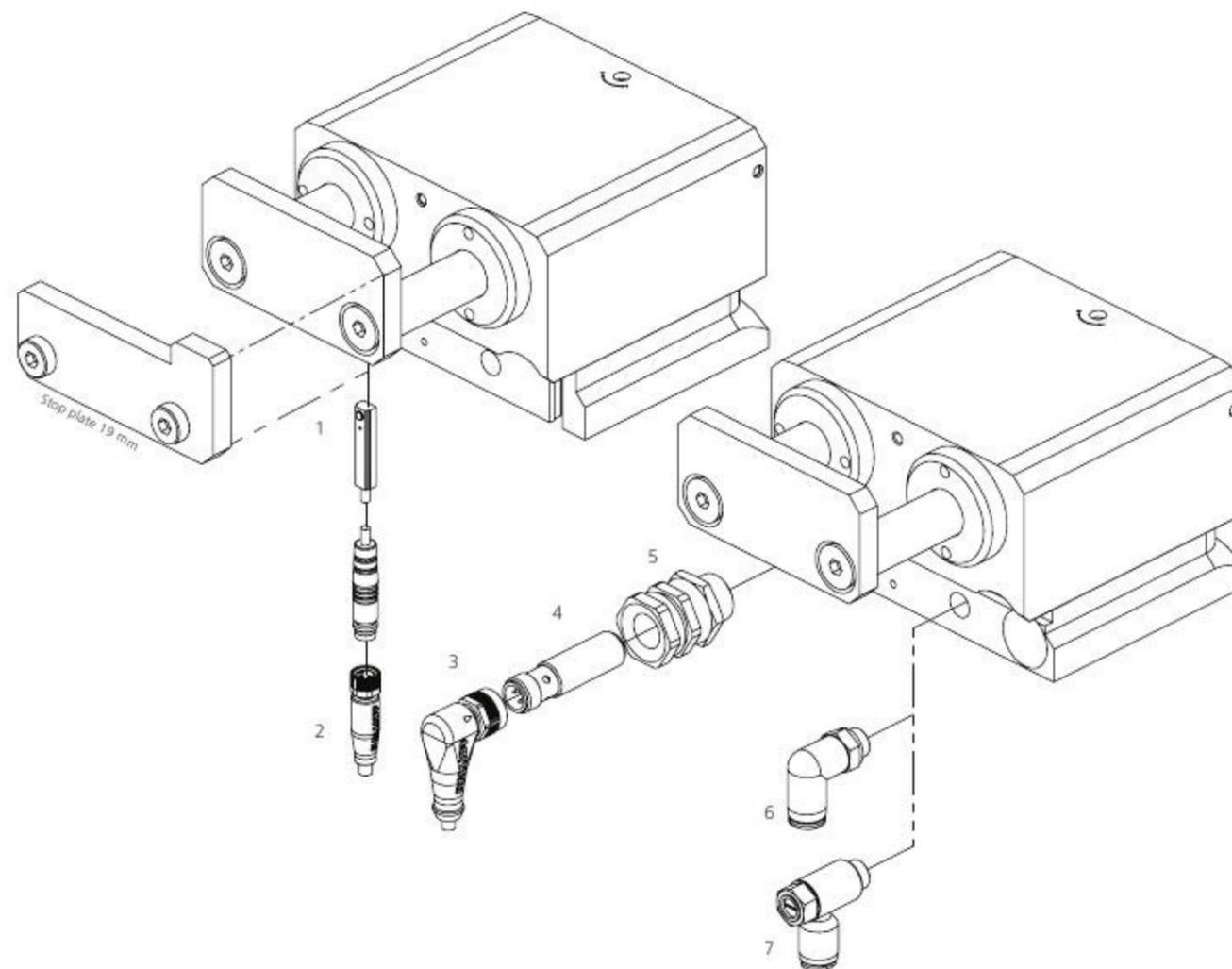
Separator with damping, up to 360 kg, single acting, lowering stroke 9 mm

ASMHS -	260 -	EW - DW -	09 -	I - E -	- A19 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 360 kg	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor E = electronic sensor	<b>Stop plate width</b> - = Steel stop plate 82mm A19 = Steel stop plate 19mm	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

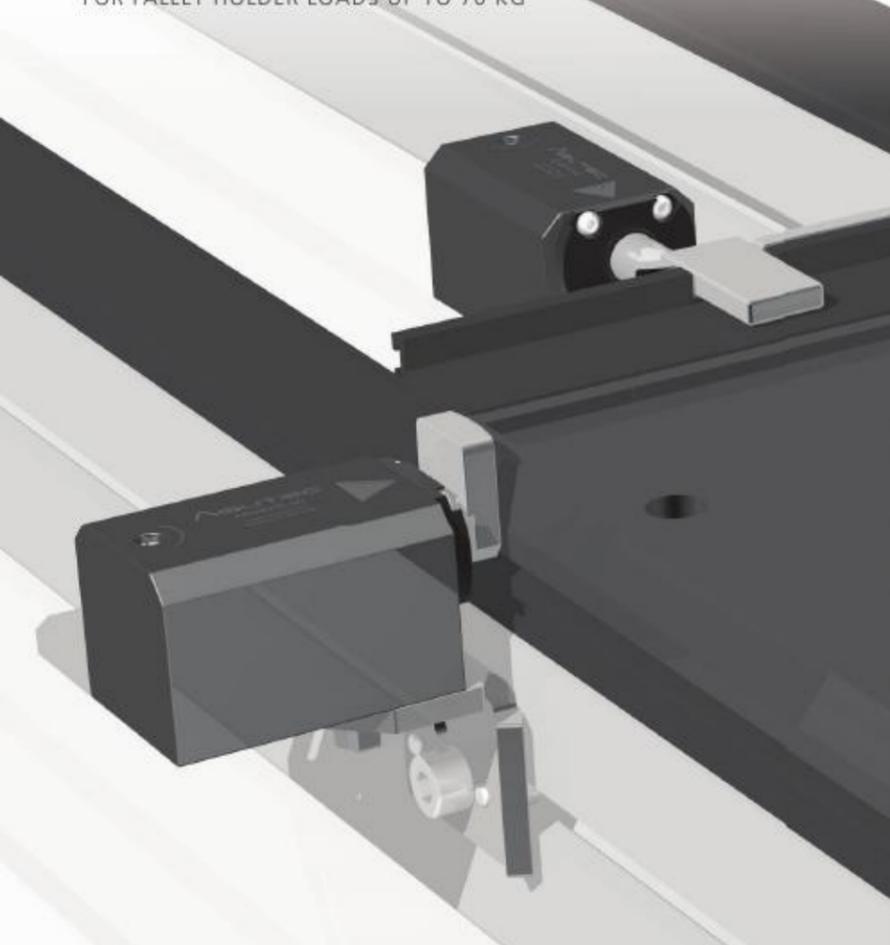


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15000000	Electronic sensor	
2	15010000	Connector M8x1	Length 5 m
3	15010001	Connector M12x1	Length 5 m
4	15000001	Inductive Proximity switch M12x1	
5	15030001	Clamping holder M16x1	Short version
6	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
7	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMEHS-60

ANGLE DAMPER  
FOR PALLET HOLDER LOADS UP TO 70 KG

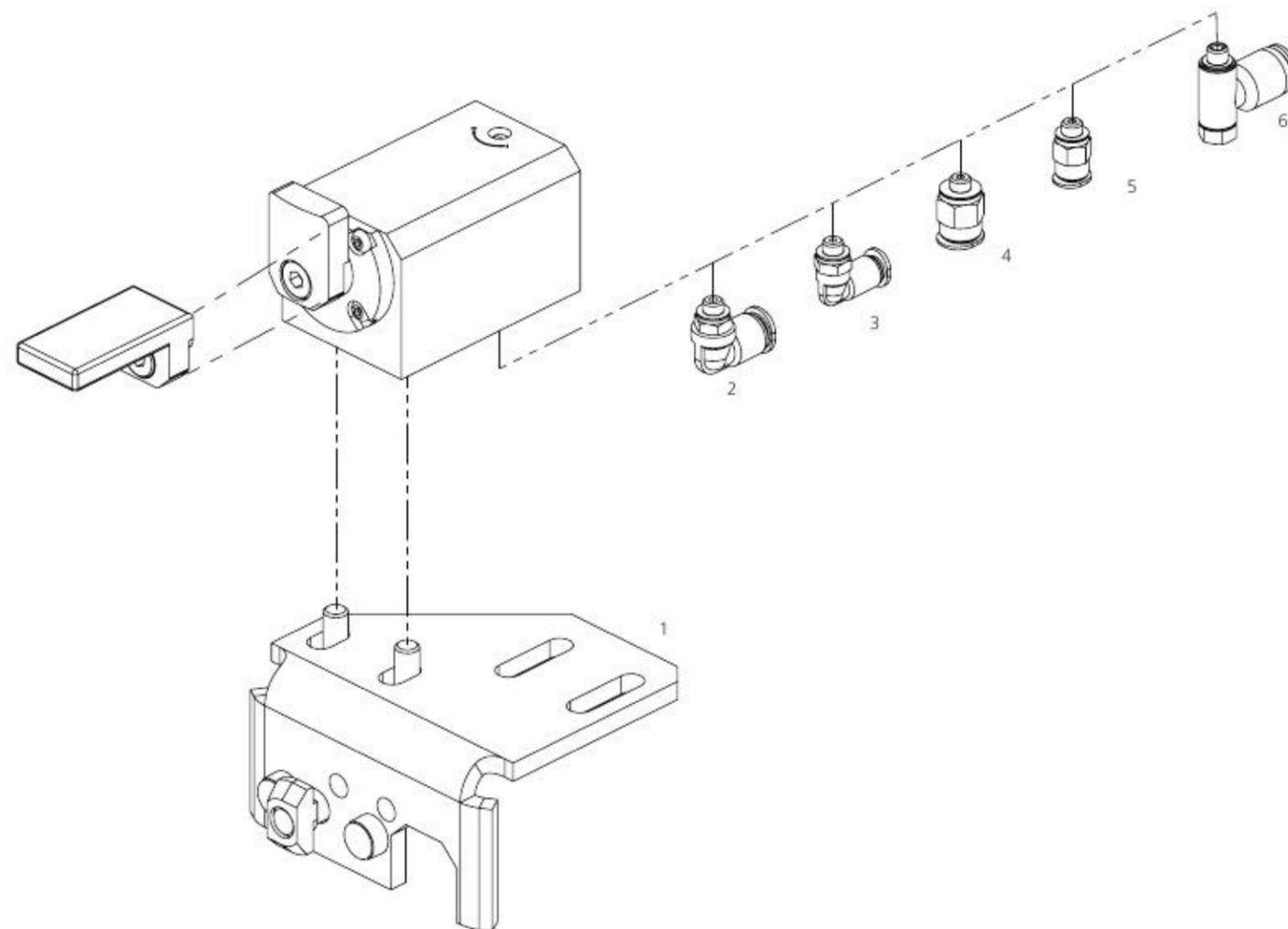


Angle dampers ASMEHS-60 damp the impact of accumulated pallet holders when changing over from a transverse to a longitudinal section and vice versa.

- + For very high transport speeds or high work loads
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Working Pressure: treated compressed air 4 - 8 bar



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMEHS - 60	MASS WT (KG) <sup>11</sup>	1 - 70	1 - 45	1 - 40	1 - 35	1 - 28	1 - 21	1 - 12	1 - 6

<sup>11</sup> Allowed accumulated load  
<sup>21</sup> Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

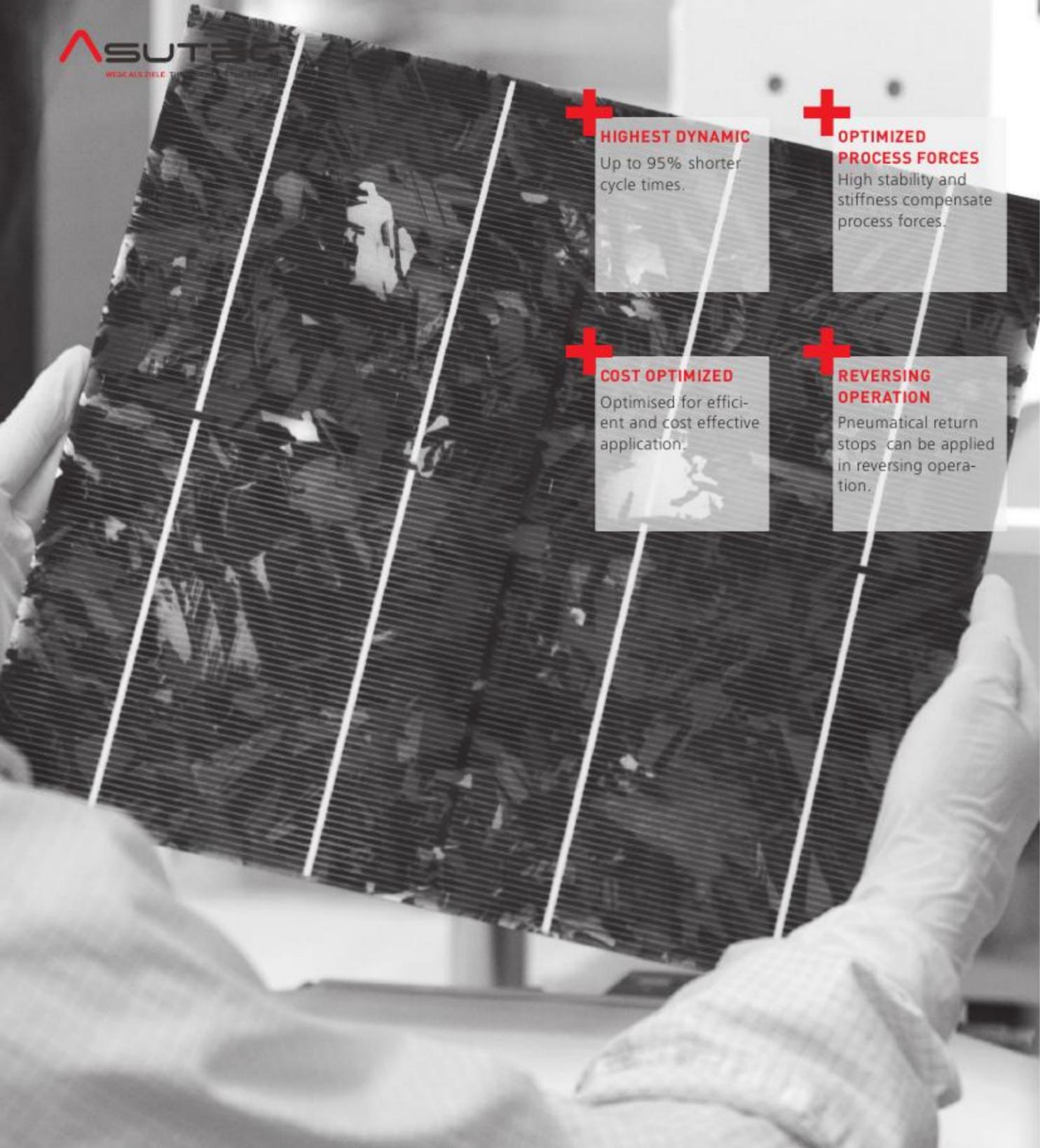
#### ASMEHS - 60

Angle damper, up to 70 kg

ASMEHS -	60 -	- W -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> Conveyor speed from 6 m/min up to 70 kg	<b>Stop plate</b> - = Steel stop plate W = Angle steel stop plate	<b>Temperature range</b> - = normal - 20 ° to + 80 ° H = heat resistant - 20 ° to + 180 ° K = cold resistant - 50 ° to + 80 °	<b>Customer-specific</b>

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000029	Fastening set	
2	14010004	Air connection M5	For tubing external diameter Ø 6 mm
3	14010016	Air connection M5	For tubing external diameter Ø 4 mm
4	14010009	Air connection M5	For tubing external diameter Ø 6 mm
5	14010019	Air connection M5	For tubing external diameter Ø 4 mm
6	14010006	Air connection M5	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.



**HIGHEST DYNAMIC**  
Up to 95% shorter cycle times.

**OPTIMIZED PROCESS FORCES**  
High stability and stiffness compensate process forces.

**COST OPTIMIZED**  
Optimised for efficient and cost effective application.

**REVERSING OPERATION**  
Pneumatically return stops can be applied in reversing operation.

# RETURN STOP

Return stops prevent the pallet holder from rebounding after the stopping procedure of the separator. Primarily in connection with undamped separators. Recommended for conveyor systems with low friction. Spring-loaded safety catch. Accessories can be selected as required.



	ASR	ASRP
QUERY	NO	YES
PALLET HOLDER LOAD	up to 3 kg	up to 3 kg
REVERSING OPERATION	NO	YES
PNEUMATIC	NO	YES
PAGE	50 - 51	52 - 53

PREVENT THE WORKPIECE PALLETS FROM REBOUNDED

# ASR

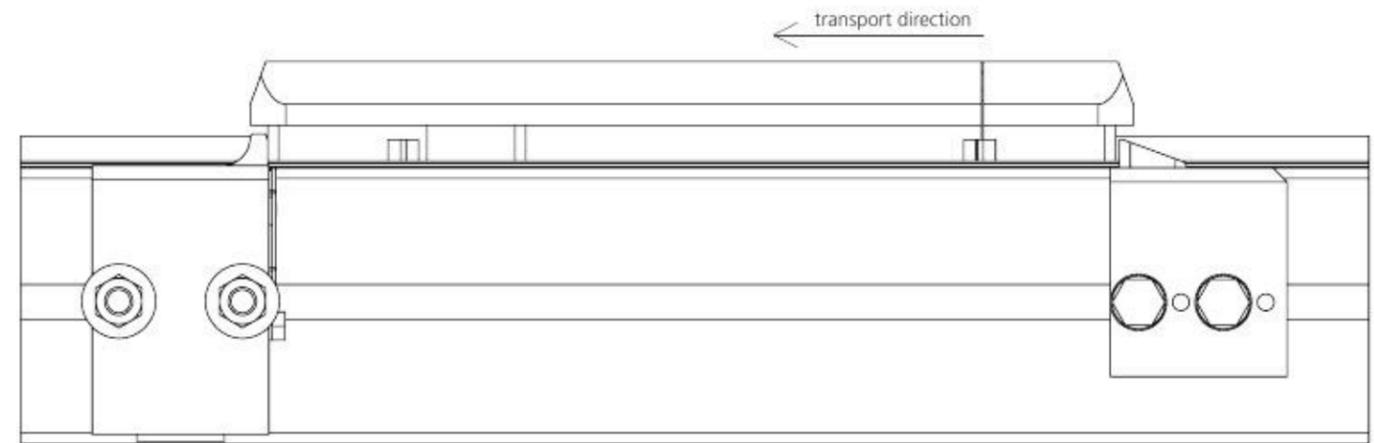
RETURN STOP  
 MINIMUM WEIGHT OF PALLET HOLDER AB 3 KG

The return stop is used to avoid rebounding of the workpiece pallets when using separators without damping. Housing hard-anodized aluminium. Stop hardened steel.

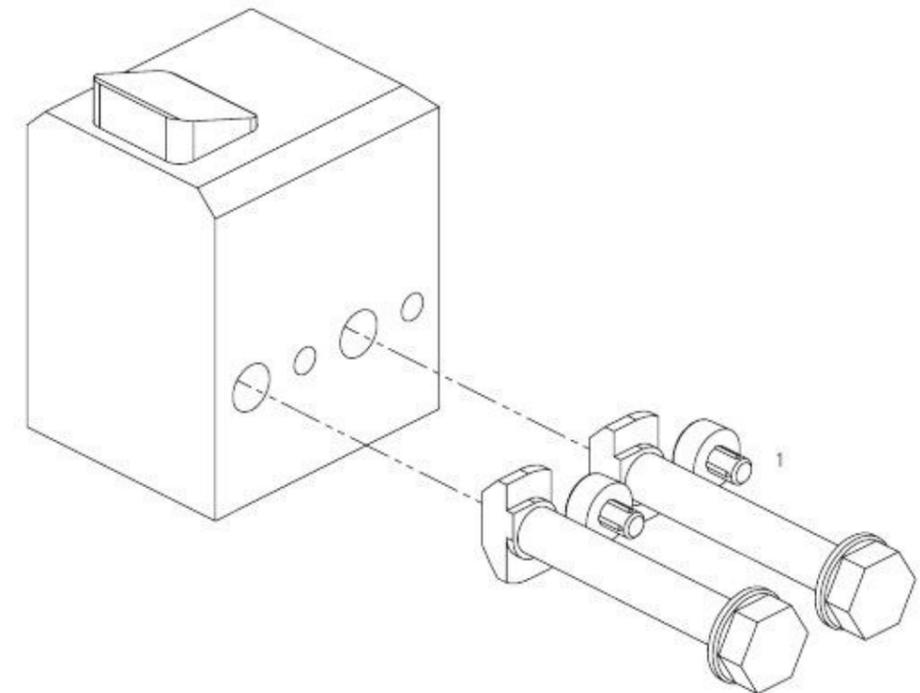
- + Maintenance-free
- + Minimum weight of pallet holder: 3 kg
- + Maximum weight of pallet holder: 1200 kg
- + Spring force upper position: 2,2 N / lower position: 9,1 N



## APPLICATION

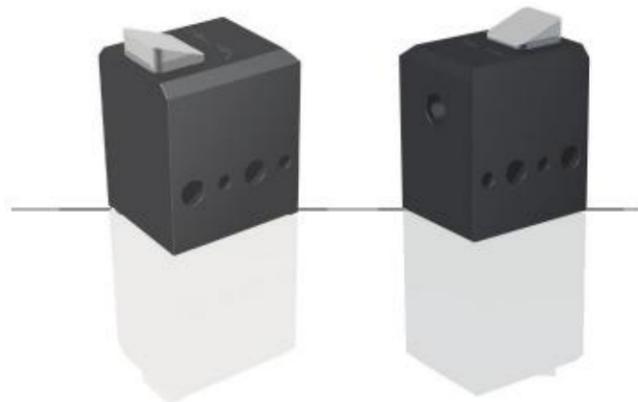


## ACCESSORIES



## KEY TO PRODUCT DESCRIPTION

ASR -	Customerspecific no.
Product classification Type	Customerspecific

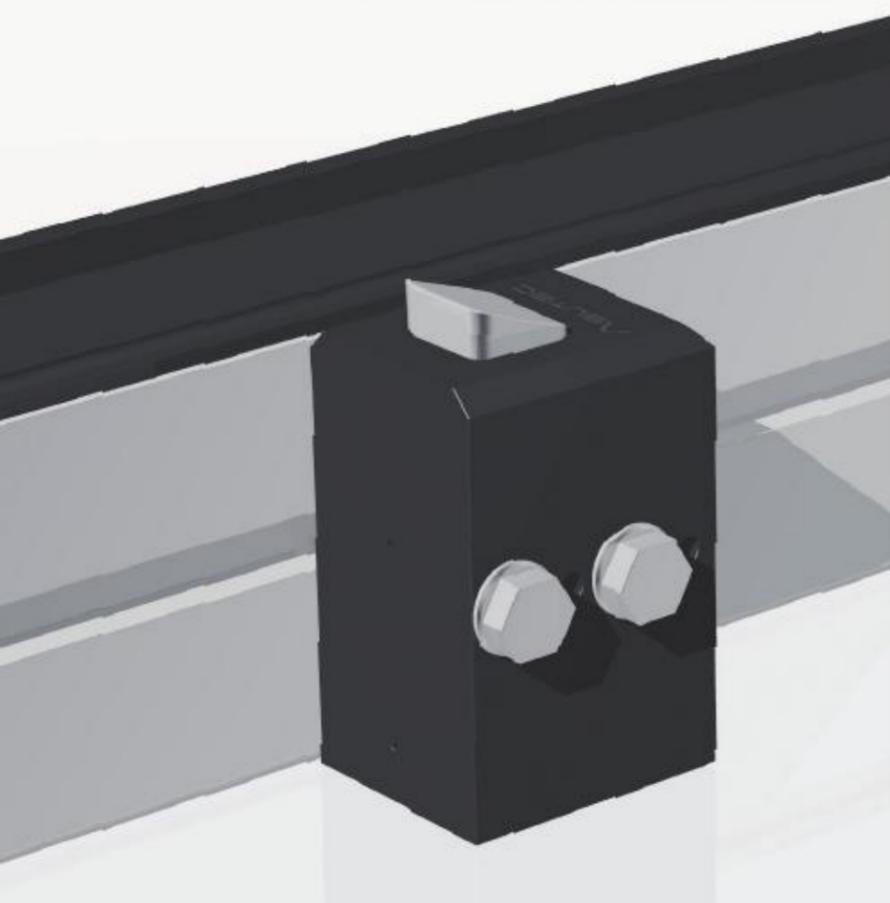


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000000	Fastening set	

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASRP

RETURN STOP PNEUMATIC  
 MINIMUM WEIGHT OF PALLET HOLDER 3 KG



The return stop is used to avoid rebounding of the workpiece pallets when using separators without damping. The ASRP return stop allows also a pneumatic lowering procedure for example in order to move the pallet by hand. Housing hard-anodized aluminium. Stop hardened steel.

- + Maintenance-free
- + Minimum weight of pallet holder: 3 kg
- + Maximum weight of pallet holder: 1200 kg
- + Spring force upper position: 2,2 N / lower position: 9,1 N
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)

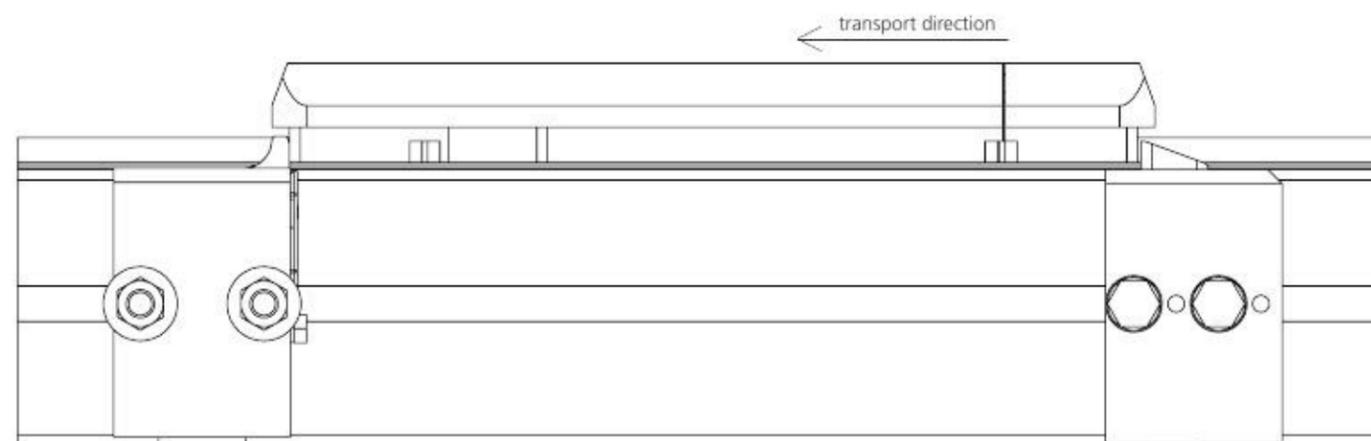


## KEY TO PRODUCT DESCRIPTION

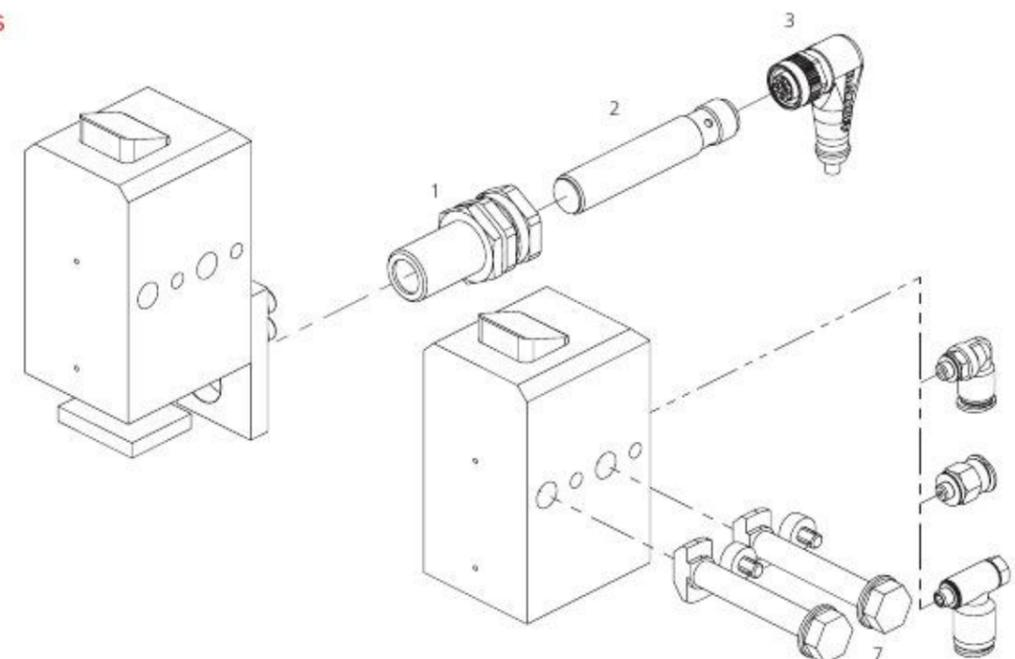
ASRP -	-	Customerspecific no.
<b>Product classification</b> Type	<b>Query</b> - = without sensor 1 = with inductive senso	<b>Customer-specific</b>



## APPLICATION



## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15020002	Clamping holder M16x1	Long version
2	15000002	Inductive proximity switch M12x1	
3	15010001	Connector M12x1	Length 5 m
4	14010004	Air connection M5	For tubing external diameter Ø 6 mm
5	14010009	Air connection M5	For tubing external diameter Ø 6 mm
6	14010006	Delivery air connection M5	For tubing external diameter Ø 6 mm
7	75000000	Fastening set	

Heat and cold resistant accessories upon request. Subject to technical modification.

**+ PRECISE**  
 Fulfills highest requirements on positioning of workpiece holders.

**+ MODULAR**  
 Indexing bolt standardized and fabricated in house expand the range of application and increase the modularity.

**+ INDIVIDUAL**  
 Stroke arresting in ever dimension can be supplied.

**+ EXTREMELY STABLE**  
 For extremely high lateral load.

IS USED FOR DISMANTLING AND ACCURATE POSITIONING

# POSITIONING-UNIT

Fast positioning and lifting unit for precise, vertical lifting and indexing of workpiece holders. Attachment of electronic switches in t-slots, which indicate upper and lower position of piston rod. Bores for variable indexing bolt depending on application and workpiece holder. Indexing function pneumatically. Accessories can be selected as required.



	ASP-490	ASP-1050	ASP-1750	ASP-3000
<b>PISTON FORCE (6BAR)</b>	490	1050	1750	3000
<b>STROKE</b>	31 mm	31 mm	40 mm	160 mm
<b>OPERATING PRESSURE</b>	4 - 8 bar			
<b>INDUCTIVE SENSOR</b>	YES	YES	YES	YES
<b>ELECTRONIC SENSOR</b>	YES	YES	NO	NO
<b>PAGE</b>	56 - 57	58 - 59	60 - 61	62 - 63

# ASP-490

LIFTING AND POSITIONING UNIT  
 OPERATING PRESSURE 4 - 8 BAR



Positioning unit ASP-490 for indexing and positioning of pallet holders. Various centering bolts can be used in the piston rod.

- + Maintenance-free
- + Pressure 490 N
- + Indexing function: Double Acting
- + Highest repeat accuracy
- + Very stable construction
- + Intake of high transverse forces
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



### THEORETICAL PISTON FORCE

OPERATING PRESSURE	4 BAR	6 BAR	8 BAR
Extend	320 N	490 N	670 N
Retract	210 N	310 N	410 N

### VARIANTS LOCATING BOLTS

DESCRIPTION	ORDER NO.
Locating bolt, round	10063000
Locating bolt, free milled	10063001
Locating bolt, flat	10063002



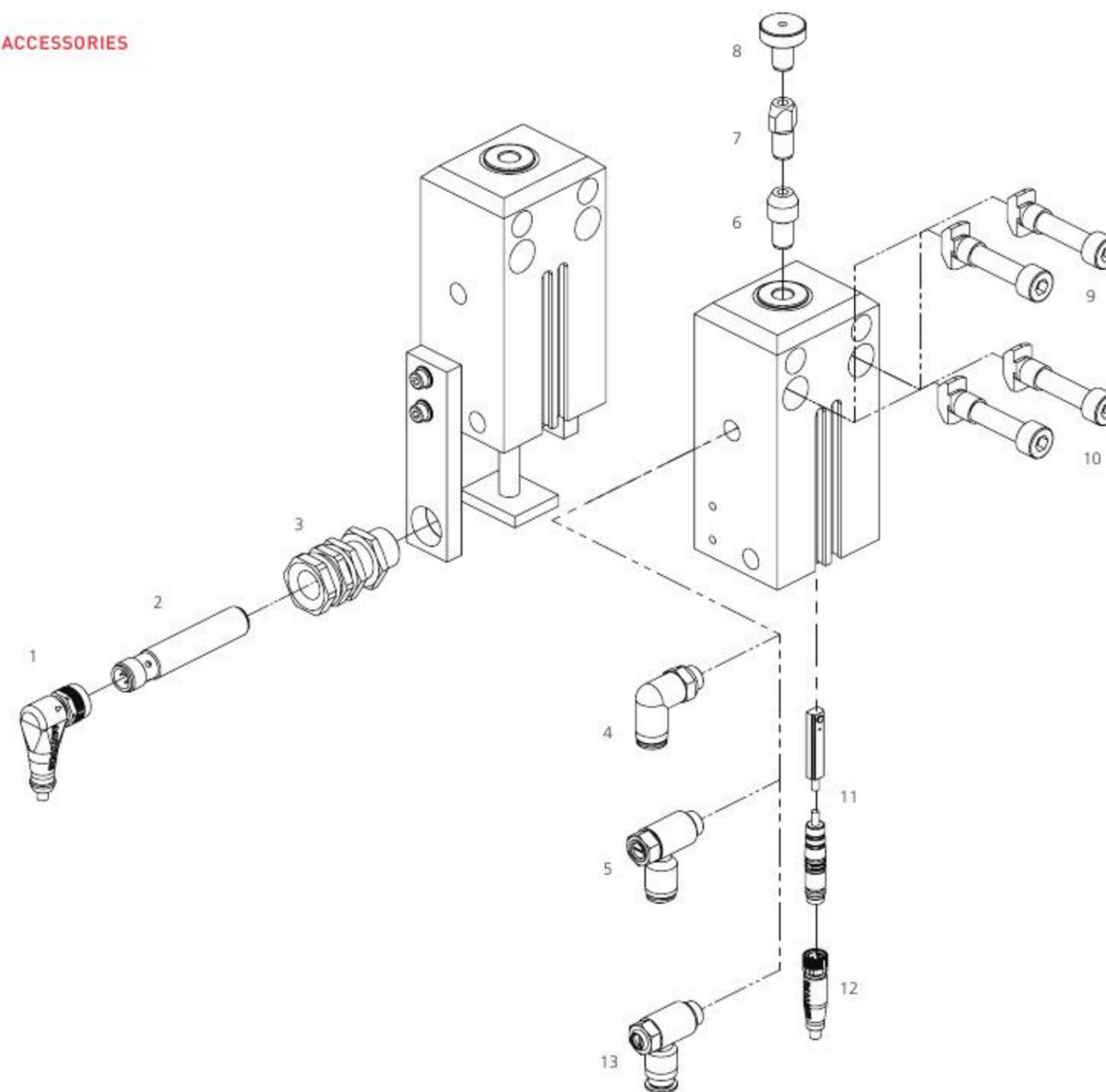
### KEY TO PRODUCT DESCRIPTION

#### ASP - 490 - 31

Indexing Cylinder, piston force 490 N, stroke 31 mm

ASP -	490 -	31 -	-	-	Customer-specific no.
<b>Product classification</b> Type	<b>Piston force (N)</b> 6 bar operating pressure	<b>Stroke (mm)</b> Further strokes upon request	<b>Query</b> - = electronic sensor I = inductive sensor	<b>Spacing dimension</b> - = 20,5 TS2 = 20,0	<b>Customer-specific</b>

### ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000002	Inductive proximity switch M12x1	
3	15020002	Clamping holder M16x1	Long version
4	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
5	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm
6	10063000	Index bolts	Round
7	10063001	Index bolts	Free milled
8	10063002	Index bolts	Flat
9	75000014	Fastening set B	With short spacer sleeves
10	75000003	Fastening set A	With long spacer sleeves
11	15000000	Electronic sensor	
12	15010000	Connector M8x1	Length 5 m
13	14010024	Exhaust throttle G 1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASP-1050

LIFTING AND POSITIONING UNIT  
 OPERATING PRESSURE 4 - 8 BAR

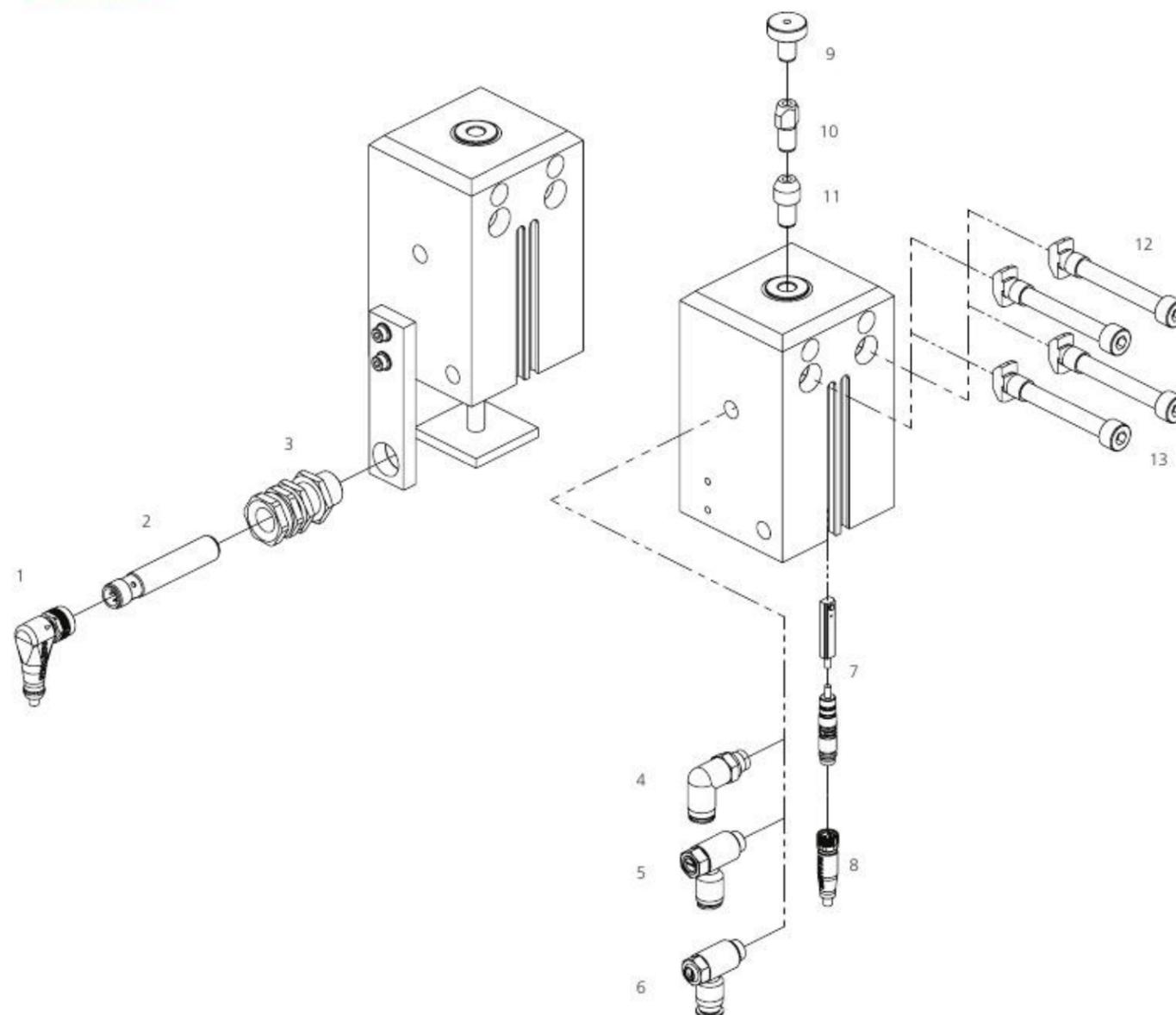


Positioning unit ASP-1050 for indexing and positioning of pallet holders. Various centering bolts can be used in the piston rod.

- + Maintenance-free
- + Pressure 1050 N
- + Indexing function: Double Acting
- + Highest repeat accuracy
- + Very stable construction
- + Intake of high transverse forces
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### THEORETICAL PISTON FORCE

OPERATING PRESSURE	4 BAR	6 BAR	8 BAR
Extend	700 N	1050 N	1400 N
Retract	590 N	880 N	1180 N

### VARIANTS LOCATING BOLTS

DESCRIPTION	BESTELL-NR:
Locating bolt, round	10063000
Locating bolt, free milled	10063001
Locating bolt, flat	10063002



### KEY TO PRODUCT DESCRIPTION

#### ASP - 1050 - 31

Indexing Cylinder, piston force 1050 N, stroke 31 mm

ASP -	1050 -	31 -	-	Customer-specific no.
<b>Product classification</b> Type	<b>Piston force (N)</b> 6 bar operating pressure	<b>Stroke (mm)</b> Further strokes upon request	<b>Query</b> - = electronic sensor I = inductive sensor	<b>Customer-specific</b>

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000002	Inductive proximity switch M12x1	
3	15020002	Clamping holder M16x1	Long version
4	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
5	14010005	Delivery air connection G1/8	For tubing external diameter Ø 6 mm
6	14010024	Exhaust throttle G 1/8	For tubing external diameter Ø 6 mm
7	15000000	Electronic sensor	
8	15010000	Connector M8x1	Length 5 m
9	10063002	Index bolts	Flat
10	10063001	Index bolts	Free milled
11	10063000	Index bolts	Round
12	75000023	Fastening setz B	With short spacer sleeves
13	75000022	Fastening setz A	With long spacer sleeves

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASP-1750

LIFTING AND POSITIONING UNIT  
 OPERATING PRESSURE 4 - 8 BAR



Positioning unit ASP-1750 for indexing and positioning of pallet holders.  
 Various centering bolts can be used in the piston rod.

- + Maintenance-free
- + Pressure 1750 N
- + Indexing function: Double Acting
- + Highest repeat accuracy
- + Very stable construction
- + Intake of high transverse forces
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## THEORETICAL PISTON FORCE

OPERATING PRESSURE	4 BAR	6 BAR	8 BAR
Extend	1190 N	1750 N	2380 N
Retract	1000 N	1500 N	2000 N

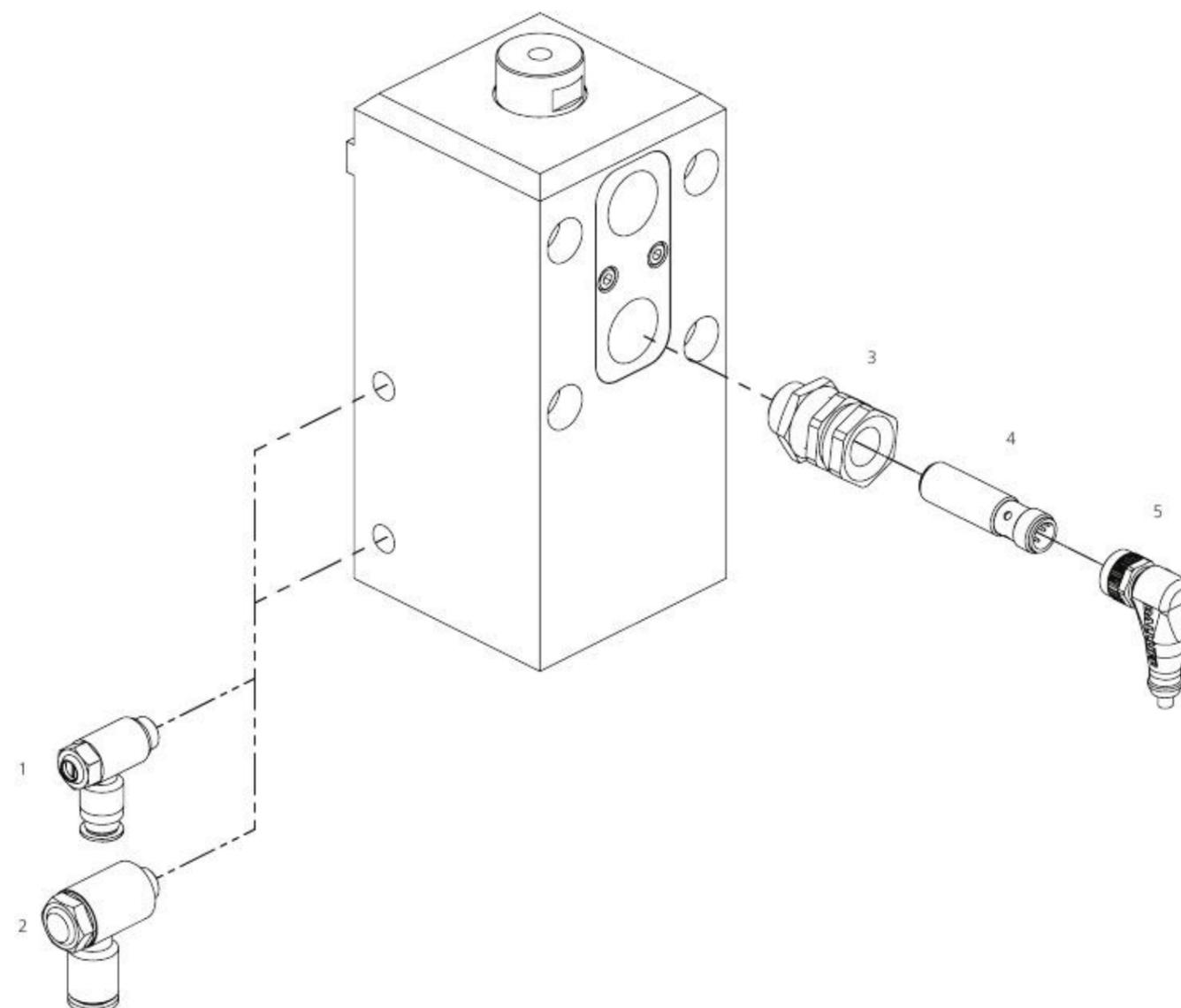
## KEY TO PRODUCT DESCRIPTION

### ASP - 1750 - 40 - I

Indexing Cylinder, piston force 1750 N, stroke 40 mm, inductive sensor

ASP -	1750 -	40 -	I -	Customerspecific no.
<b>Product classification</b> Type	<b>Piston force (N)</b> 6 bar operating pressure	<b>Stroke (mm)</b> Further strokes upon request	<b>Query</b> I = inductive sensor	<b>Customer-specific</b>

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010024	Exhaust throttle G 1/8	For tubing external diameter Ø 6 mm
2	14010013	Exhaust throttle G 1/8	For tubing external diameter Ø 8 mm
3	15030001	Connector M16x1	Short version
4	15000001	Inductive proximity switch M12x1	
5	15010001	Connector M12x1	Length 5 m

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASP-3000

LIFTING AND POSITIONING UNIT  
 OPERATING PRESSURE 4 - 8 BAR



Positioning unit ASP-3000 for indexing and positioning of pallet holders.  
 Various centering bolts can be used in the piston rod.

- + Maintenance-free
- + Pressure 3000 N
- + Indexing function: Double Acting
- + Highest repeat accuracy
- + Very stable construction
- + Intake of high transverse forces
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## THEORETICAL PISTON FORCE

OPERATING PRESSURE	4 BAR	6 BAR	8 BAR
Extend	2000 N	3000 N	4000 N
Retract	1750 N	2600 N	3500 N

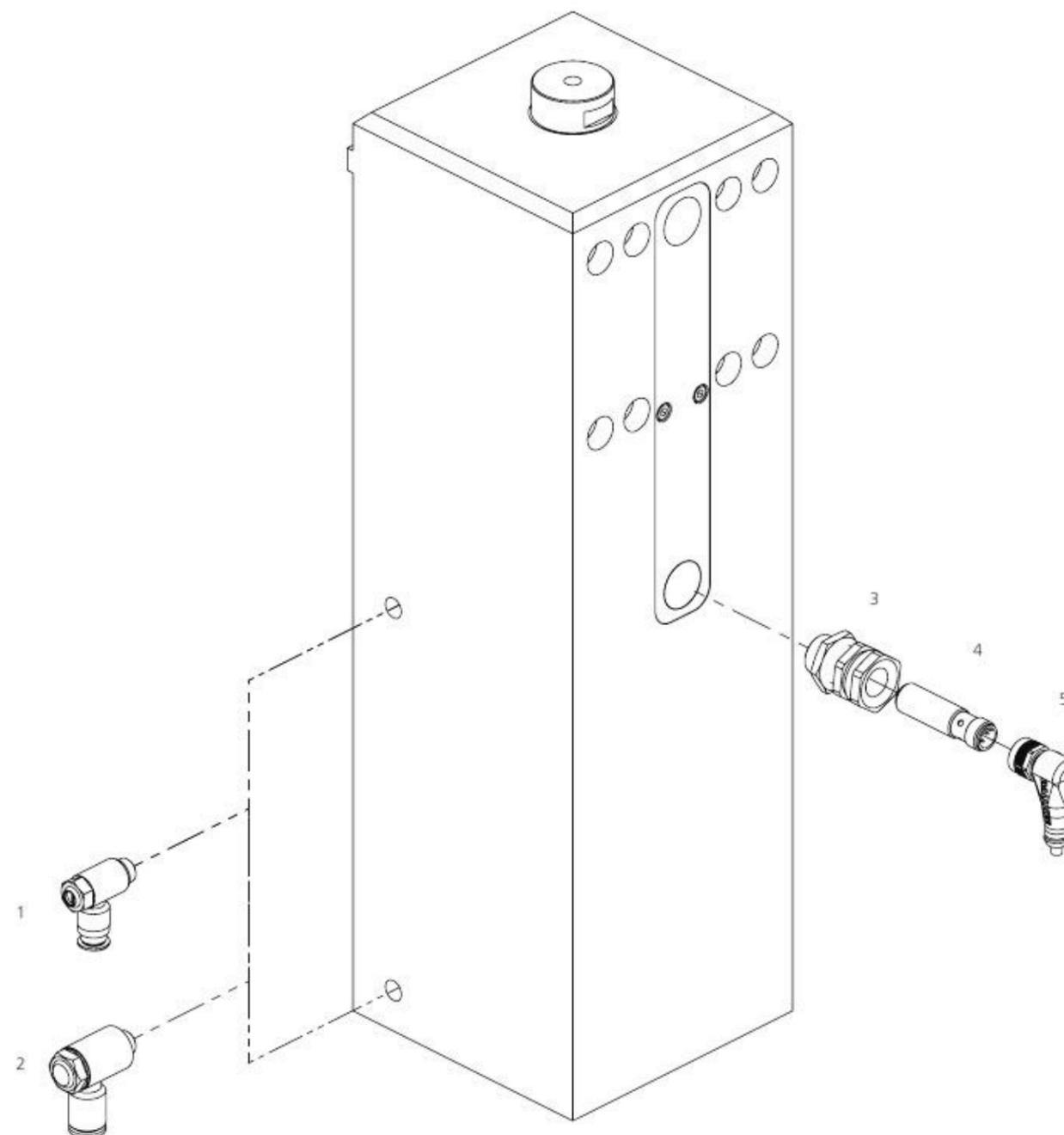
## KEY TO PRODUCT DESCRIPTION

### ASP - 3000 - 160 - I

Indexing Cylinder, piston force 3000 N, stroke 160 mm, inductive sensor

ASP -	3000 -	160 -	I -	Customerspecific no.
<b>Product classification</b> Type	<b>Piston force (N)</b> 6 bar operating pressure	<b>Stroke (mm)</b> Further strokes upon request	<b>Query</b> I = inductive sensor	<b>Customer-specific</b>

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010024	Exhaust throttle G 1/8	For tubing external diameter Ø 6 mm
2	14010013	Exhaust throttle G 1/8	For tubing external diameter Ø 8 mm
3	15030001	Clamping holder M16x1	Short version
4	15000001	Inductive proximity switch M12x1	
5	15010001	Connector M12x1	Length 5 m

Heat and cold resistant accessories upon request. Subject to technical modification.

**+** **PRECISE**  
Fulfills highest requirements regarding positioning accuracy of workpiece pallet.

**+** **INTELLIGENT**  
Self-adjusted within a wide weight range.

**+** **RELIABLE**  
100% reliability at considerable weight differences of working pieces.

**+** **COMFORTABLE**  
Damping force or damping velocity can be adjusted easily.

FEATURES PRODUCT GROUP

# ANGLE DAMPERS

Angle dampers damp the impact of accumulated pallet holders when changing over from a transverse to a longitudinal section and vice versa. Accessories for angle damper is optional.

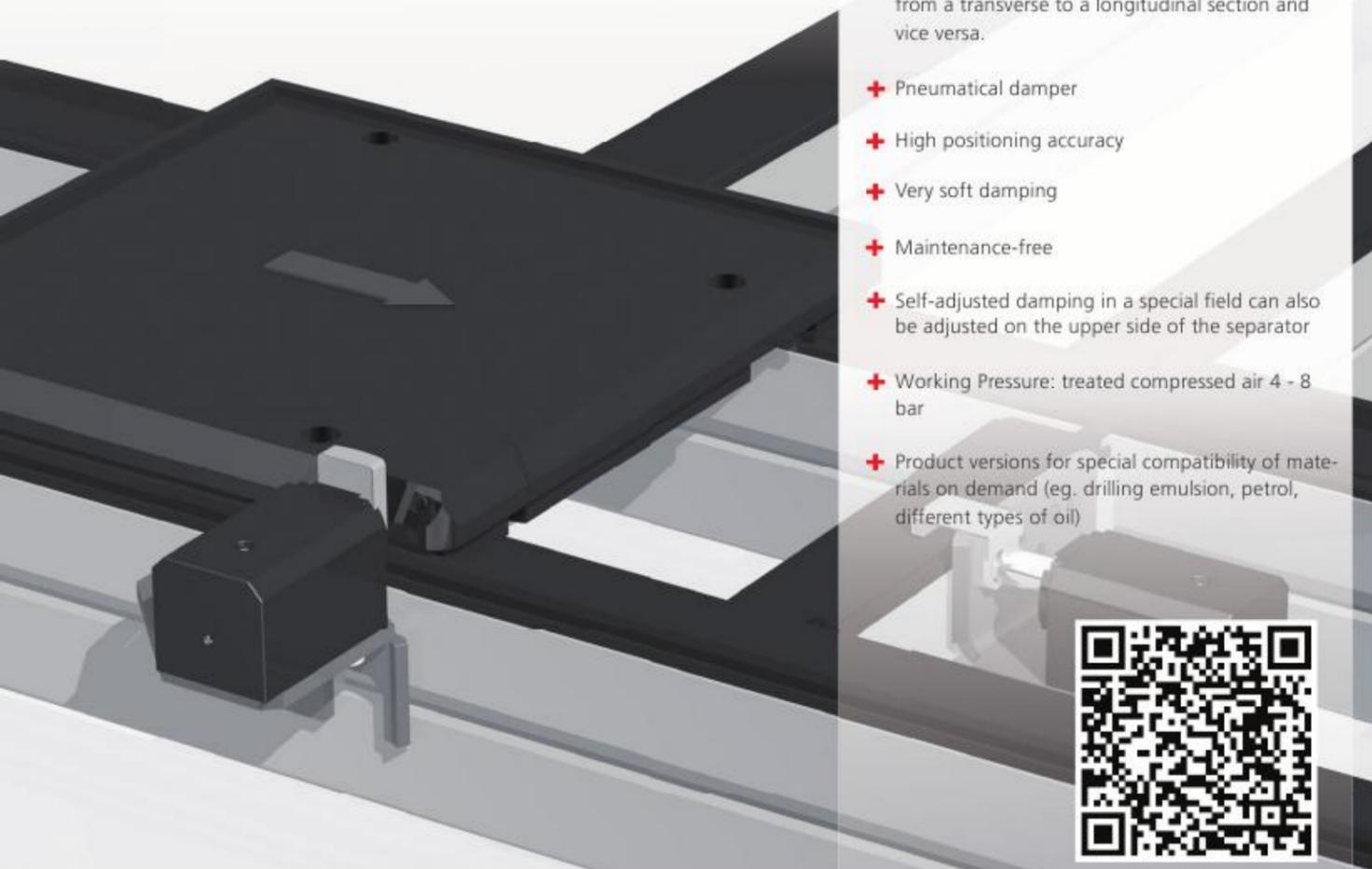


	ASME-60	ASME-150	ASME-270
<b>DAMPING MODULE</b>	YES	YES	YES
<b>PALLET HOLDER LOAD</b>	1 - 60 kg	5 - 150 kg	10 - 270 kg
<b>EW= SINGLE ACTING</b>	YES	YES	YES
<b>DW=DOUBLE ACTING</b>	ON DEMAND	YES	YES
<b>SEITE</b>	66 - 67	68 - 69	70 - 71

IS USED WHEN RELOCATING PALLET HOLDER FROM LONGITUDINAL TO TRANSVERSE SECTIONS AND VICE VERSA

# ASME-60

ANGLE DAMPER  
 FOR PALLET HOLDER LOADS UP TO 60 KG



Angle dampers ASME-60 damp the impact of accumulated pallet holders when changing over from a transverse to a longitudinal section and vice versa.

- + Pneumatical damper
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASME - 60	MASS WT (KG) <sup>1)</sup>	1 - 60	1 - 40	1 - 35	1 - 30	1 - 24	1 - 18	1 - 10	1 - 5

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

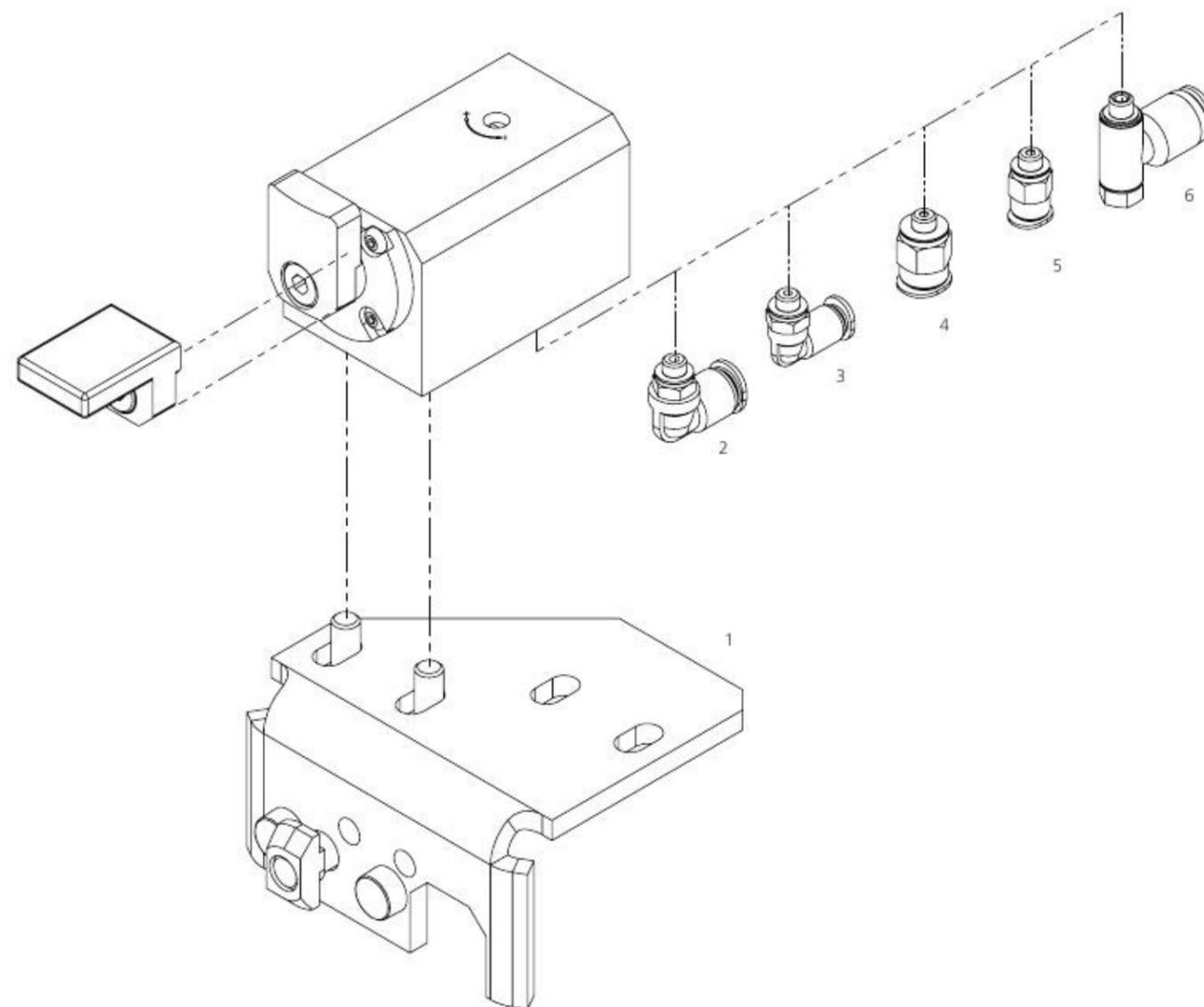
## KEY TO PRODUCT DESCRIPTION

### ASME - 60

Angle damper, up to 60 kg

ASME -	60 -	- W -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> Conveyor speed from 6 m/min up to 60 kg	<b>Stop plate</b> - = steel stop plate W = angle steel stop plate	<b>Temperature range</b> - = normal - 20 ° to + 80 ° H = heat resistant - 20 ° to + 180 ° K = cold resistant - 50 ° to + 90 °	<b>Customer-specific</b>

## ACCESSORIES

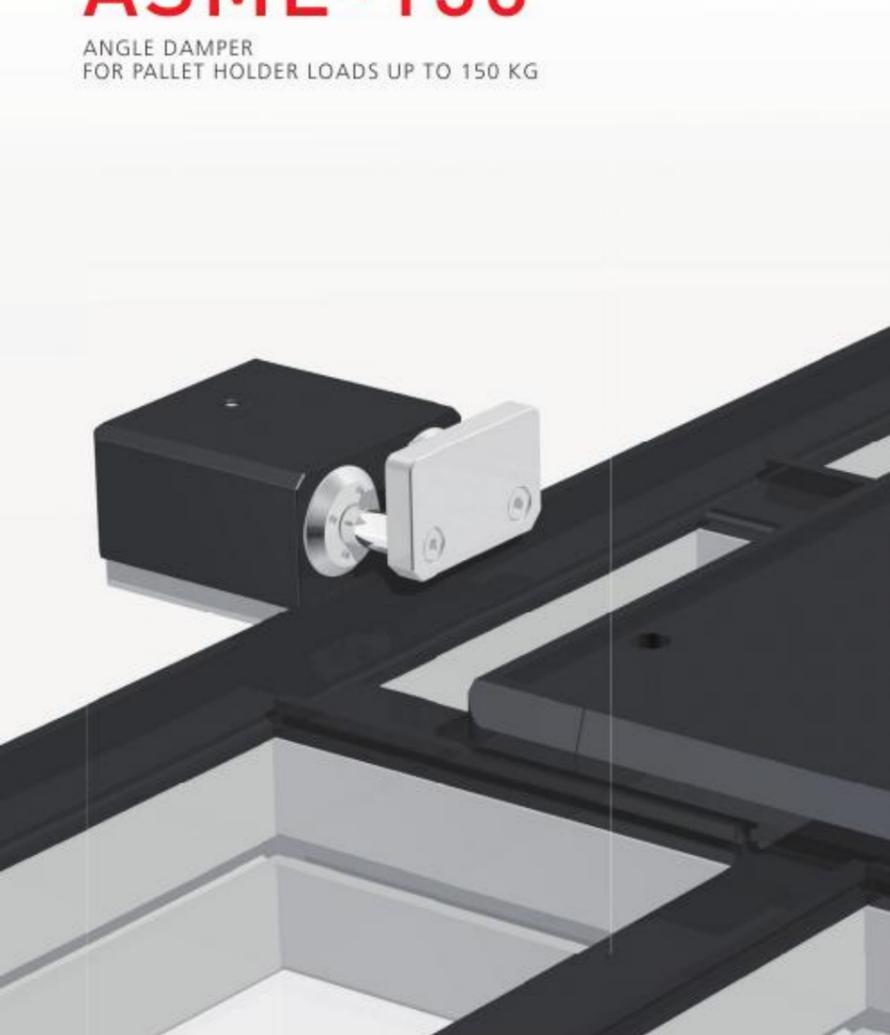


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000028	Fastening set	
2	14010004	Air connection M5	For tubing external diameter Ø 6 mm
3	14010016	Air connection M5	For tubing external diameter Ø 4 mm
4	14010009	Air connection M5	For tubing external diameter Ø 6 mm
5	14010019	Air connection M5	For tubing external diameter Ø 4 mm
6	14010006	Air connection M5	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASME-150

ANGLE DAMPER  
 FOR PALLET HOLDER LOADS UP TO 150 KG



Angle dampers ASME-150 damp the impact of accumulated pallet holders when changing over from a transverse to a longitudinal section and vice versa.

- + Pneumatical damper
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Manually retract of the piston rod possible
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASME - 150	<b>MASS WT (KG)<sup>1)</sup></b>	5 - 150	5 - 100	5 - 90	5 - 90	5 - 55	5 - 35	5 - 25	5 - 14

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

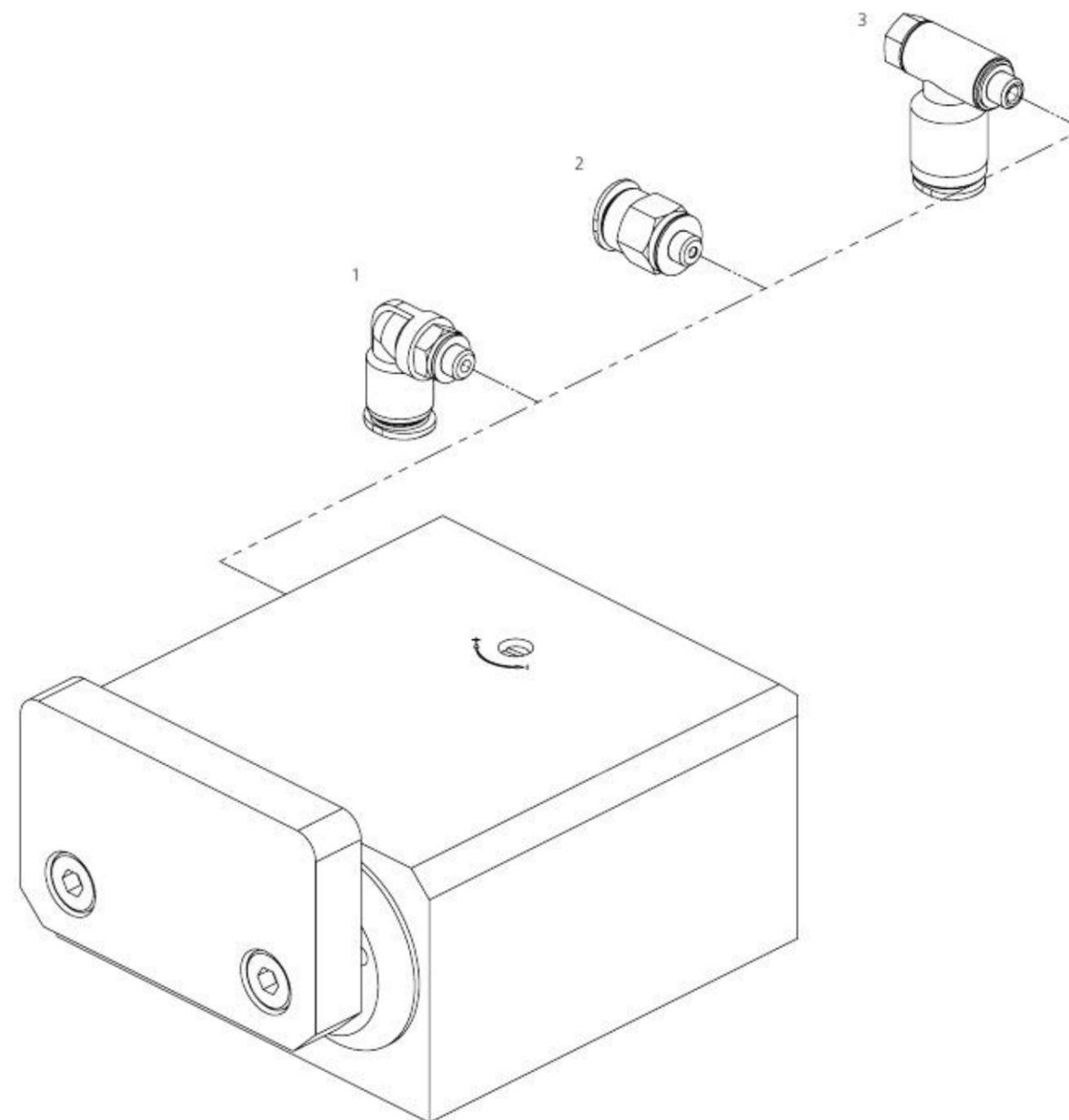
## KEY TO PRODUCT DESCRIPTION

### ASME - 150

Angle damper, up to 150 kg

ASME -	150 -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> Conveyor speed from 6 m/min up to 150 kg	<b>Temperature range</b> - = normal - 20 ° to + 80 ° H = heat resistant - 20 ° to + 180 ° K = cold resistant- 50 ° to + 80 °	<b>Customer-specific</b>

## ACCESSORIES

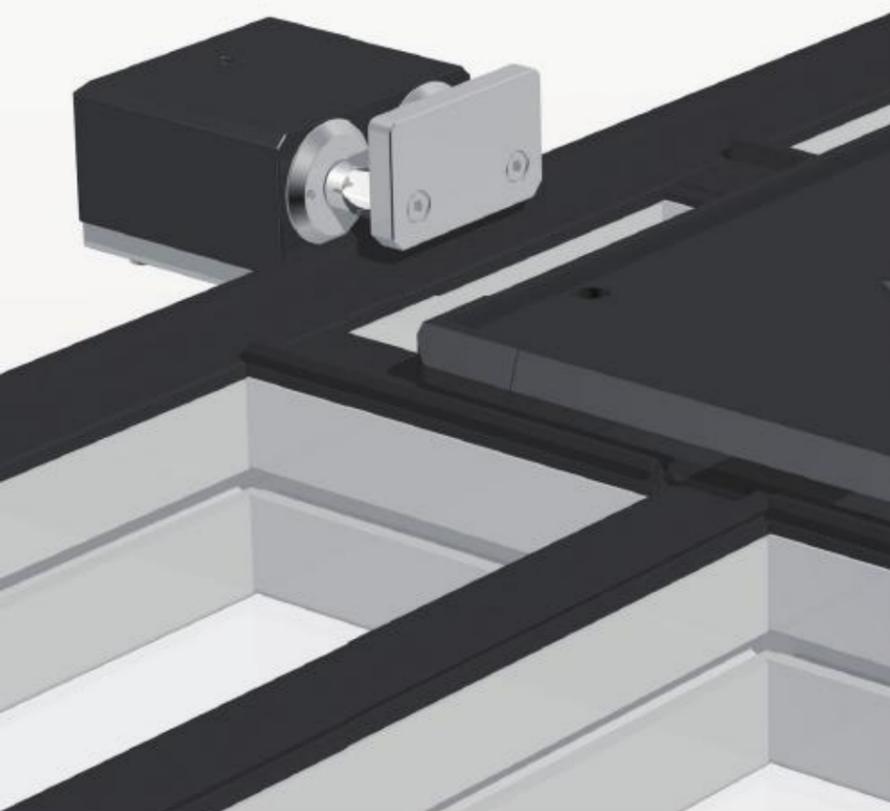


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010004	Air connection M5	For tubing external diameter Ø 6 mm
2	14010009	Air connection M5	For tubing external diameter Ø 6 mm
3	14010006	Air connection M5 / Delivery air connection M5	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASME-270

ANGLE DAMPER  
 FOR PALLET HOLDER LOADS UP TO 270 KG



Angle dampers ASME-270 damp the impact of accumulated pallet holders when changing over from a transverse to a longitudinal section and vice versa.

- + Pneumatically damper
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Manually retract of the piston rod possible
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASME - 270	<b>MASS WT (KG)<sup>1)</sup></b>	10 - 270	10 - 220	10 - 200	10 - 180	10 - 110	10 - 70	10 - 50	10 - 30

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

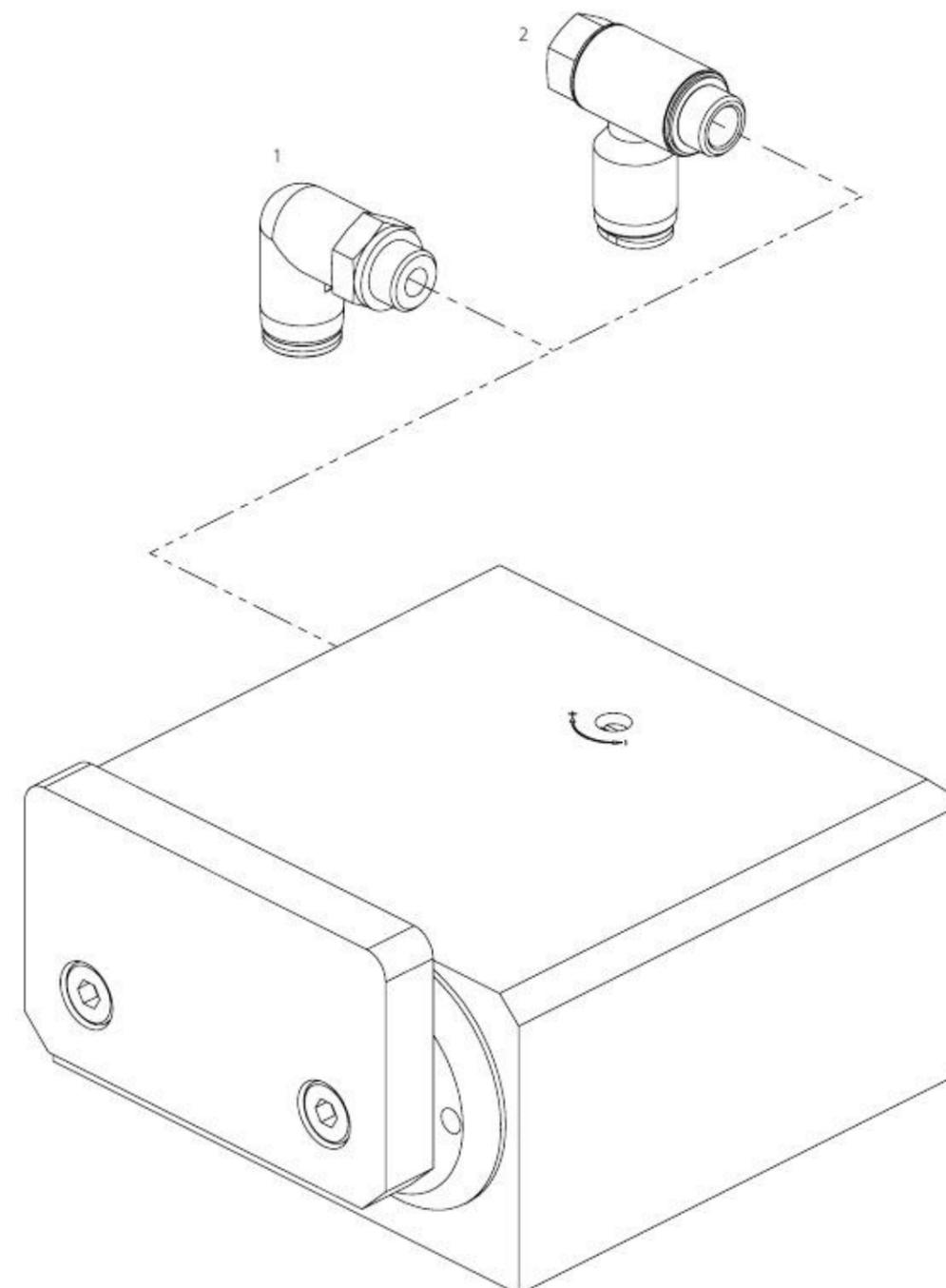
## KEY TO PRODUCT DESCRIPTION

### ASME - 270

Angle damper, up to 270 kg

ASME -	270 -	- H - K -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> Conveyor speed from 6 m/min up to 270 kg	<b>Temperature range</b> - = normal - 20 ° to +80 ° H = heat resistant - 20 ° to +180 ° K = cold resistant- 50 ° to +80 °	<b>Customer-specific</b>

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010008	Air connection G 1/8	For tubing external diameter Ø 6 mm
2	14010005	Delivery air connection M5	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

- + SPACE -OPTIMISED**  
Lean edition offers also an optimum of damping and stopping characteristics even in tight spaces.
- + RAPID DATA EX-CHANGE**  
Integrated query technology gives information about final position.
- + ROBUST AND RELIABLE**  
Reliable working under extreme environmental conditions like dirt and dust.
- + ADJUSTMENT**  
Simple change from stopping to damping module and viceversa. Geometries are optimally adjusted.

FEATURES PRODUCT GROUP

# SEPARATOR FOR ROLLER CONVEYOR SYSTEM

Stops or damps precisely one or more accumulated workpiece pallets at a defined stop plate of workpiece pallet in roller conveyor systems. Suitable for cramped mounting spaces between the rolls. New ASUTEC development of stoppers with high stability and resistance against contamination. High conveyor speeds and dynamic acceleration after the stopping procedure allow short cycle times. Accessories can be selected as required.

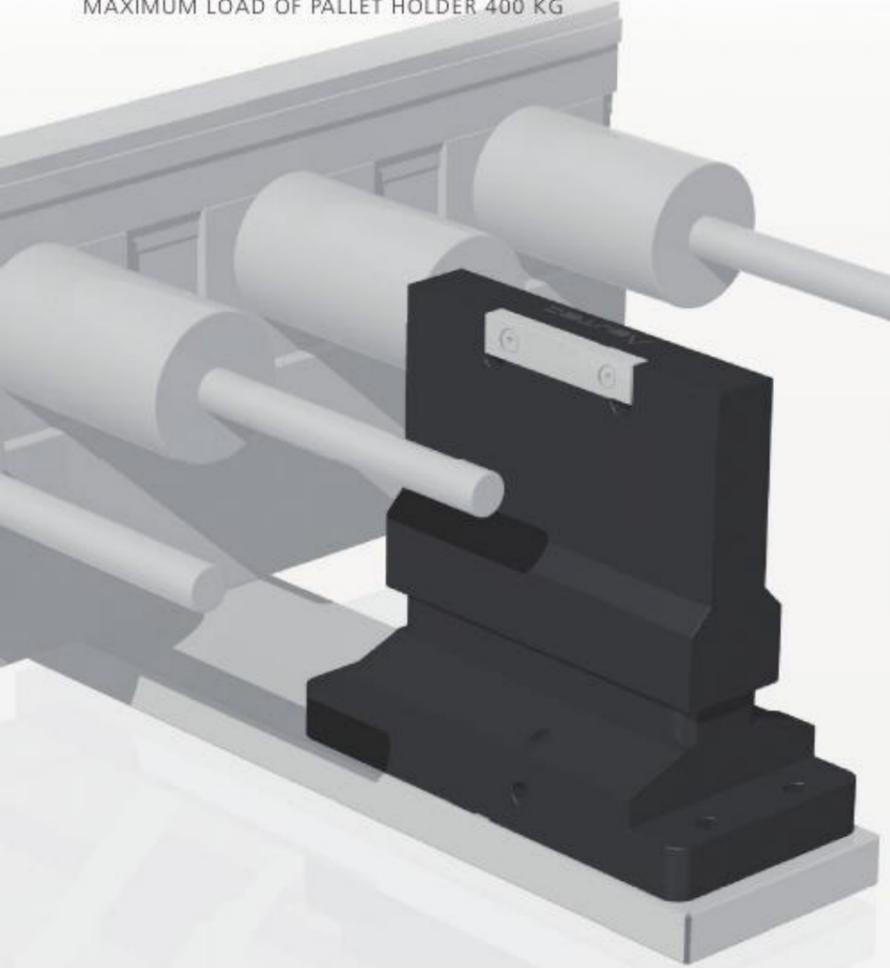


	ASUR-400	ASMR-400	ASMR-600	ASMR-1000	ASMR-1000- EW-15-002
<b>DAMPING MODUL</b>	NO	YES	YES	YES	YES
<b>PALLET HOLDER LOAD</b>	up to 400 kg	15 - 400 kg	15 - 600 kg	50 - 1000 kg	50 - 1000 kg
<b>EW= SINGLE ACTING</b>	YES	YES	YES	YES	YES
<b>DW=DOUBLE ACTING</b>	YES	YES	ON DEMAND	ON DEMAND	ON DEMAND
<b>PAGE</b>	74 - 75	76 - 77	78 - 79	80 - 81	82 - 83

FOR ALL ROLES CONVEYOR SYSTEMS OR NARROW INSTALLATION SPACES

# ASUR-400

STOPPING MODULE FOR ROLLER CONVEYOR SYSTEM  
MAXIMUM LOAD OF PALLET HOLDER 400 KG



Stops and separates one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Protected against dust and liquids.

- + Extremely slim design
- + Very robust
- + Maintenance-free
- + Query
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASUR - 400	MASS WT (KG) <sup>11</sup>	400	300	250	200	110	65	50	30

<sup>11</sup>) Allowed accumulated load  
<sup>21</sup>) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

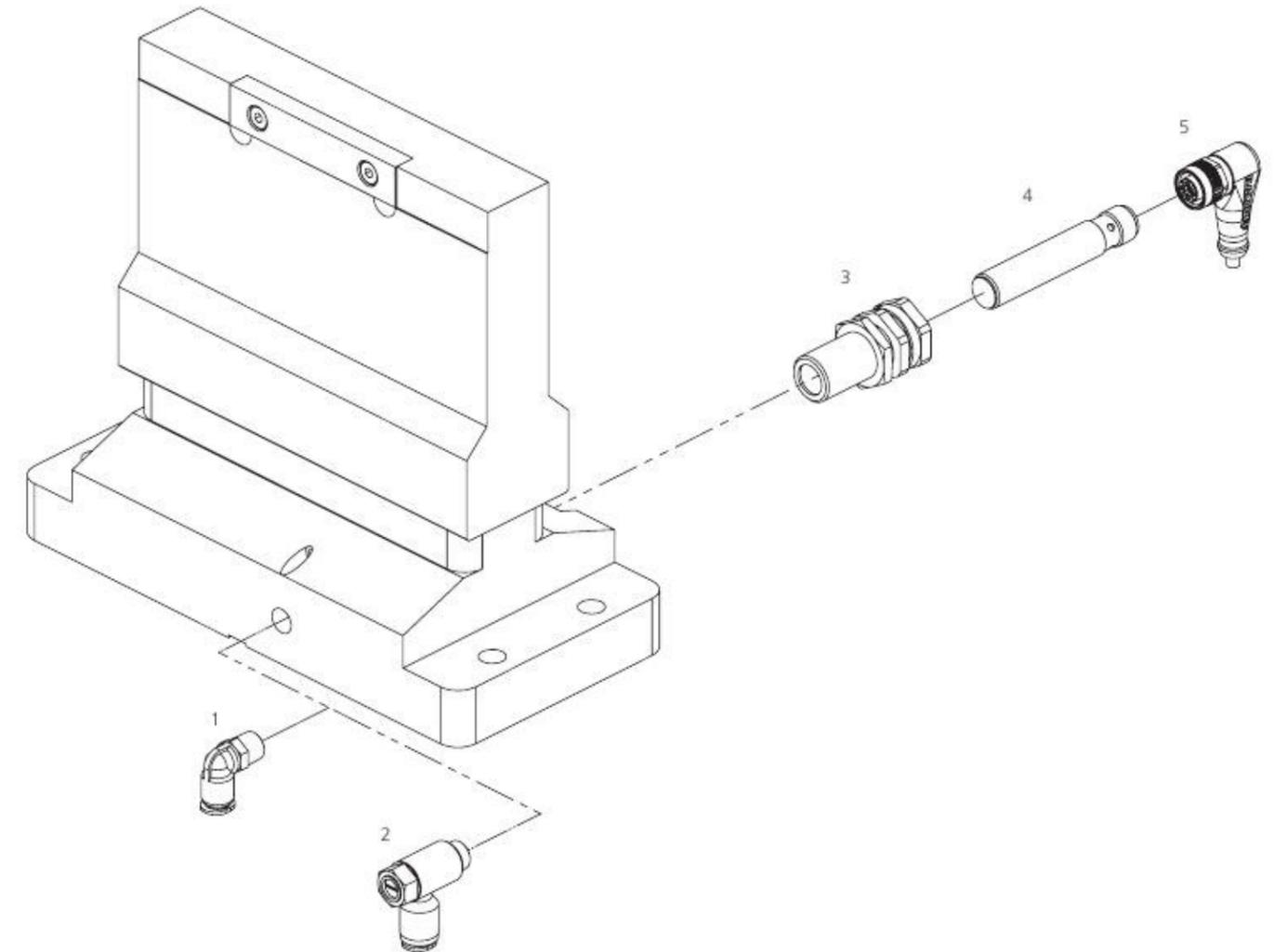
### ASUR - 400 - EW - 15

Separator without damping, up to 400 kg, for roller conveyor systems, lowering stroke 15 mm

ASUR -	400 -	EW - DW -	15 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 400 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

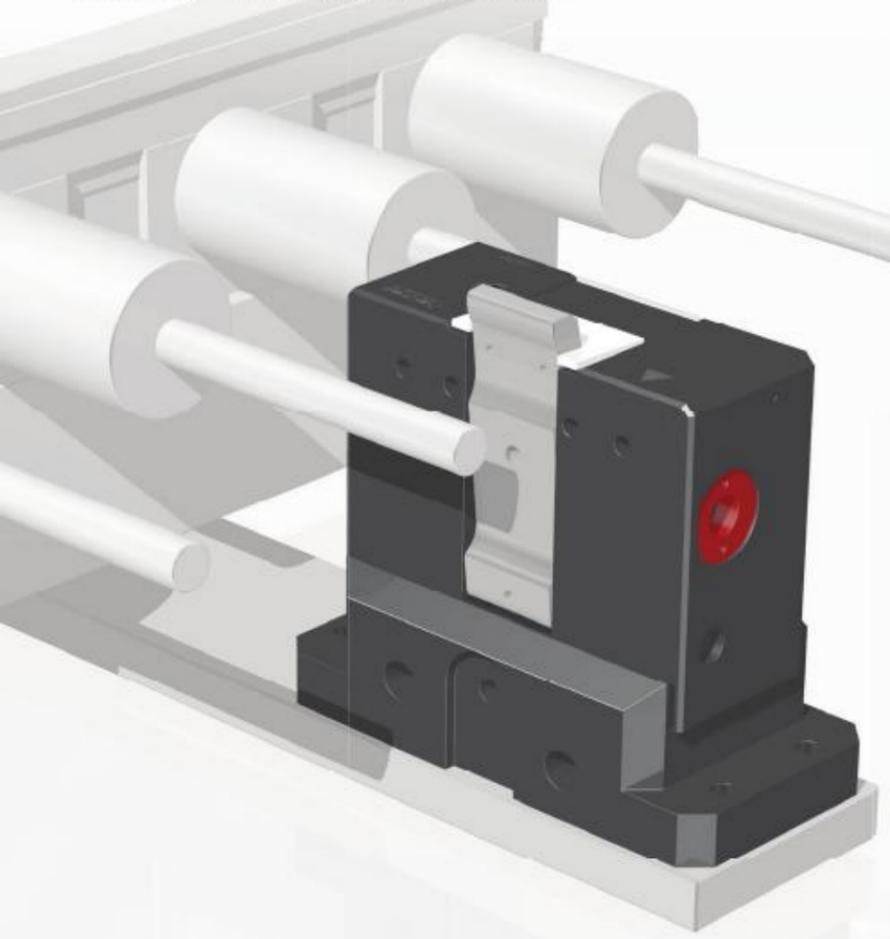


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010008	Air connection G 1/8	For tubing external diameter Ø 6 mm
2	14010005	Delivery air connection G 1/8	For tubing external diameter Ø 6 mm
3	15020002	Clamping holder M16x1	Long version
4	15000002	Inductive proximity switch M12x1	
5	15010001	Connector M12x1	Length 5 m

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMR-400

SEPARATOR WITH DAMPING FOR ROLLER CONVEYOR SYSTEM  
MAXIMUM LOAD OF PALLET HOLDER 400 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Protected against dust and liquids.

- + Extremely slim design
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMR - 400	<b>MASS WT (KG)<sup>1)</sup></b>	15 - 400	15 - 300	15 - 250	15 - 200	15 - 110	15 - 65	15 - 50	15 - 30

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

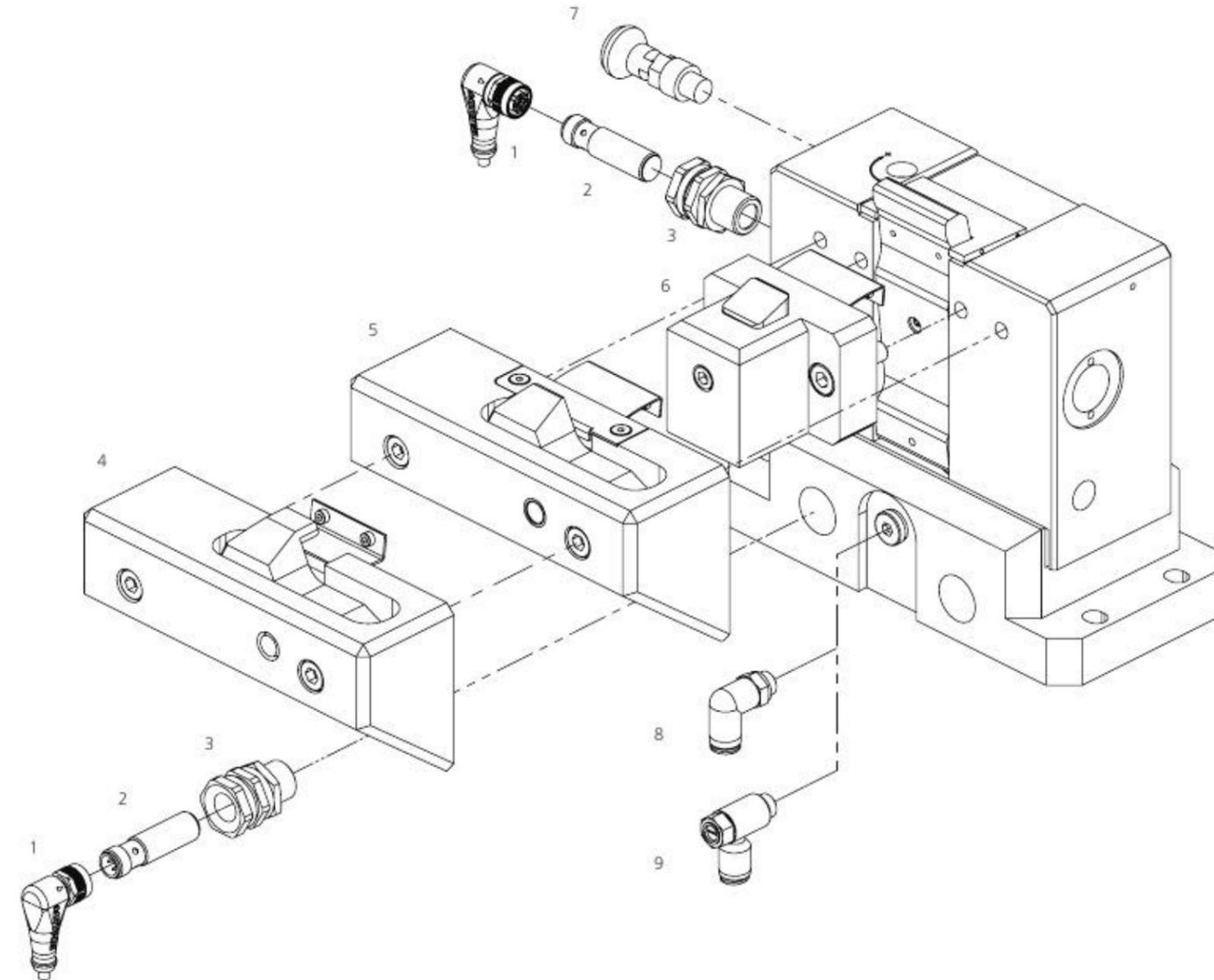
### ASMR - 400 - EW - 15

Separator with damping, up to 400 kg, single acting, lowering stroke 15 mm, for roller conveyor systems

ASMR -	400 -	EW - DW -	15 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 400 kg	<b>Function</b> EW = single acting DW = double acting	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

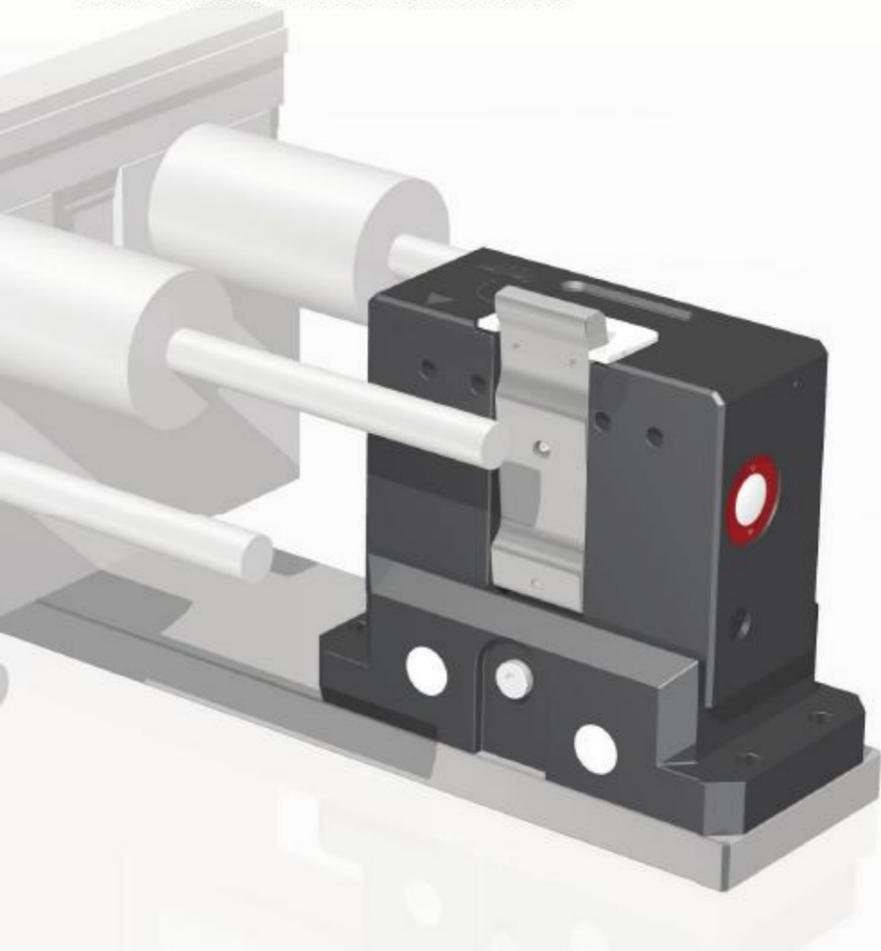


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000001	Inductive proximity switch M12x1	
3	15030001	Clamping holder M16x1	Short version
4	75010001	Return stop for workpiece stop plate	25 mm
5	75010000	Return stop for workpiece stop plate	40 mm
6	ASR-010	Return stop for workpiece stop plate	40 mm
7	75009001	Indexing unit	
8	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
9	14010005	Delivery air connector G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMR-600

SEPARATOR WITH DAMPING FOR ROLLER CONVEYOR SYSTEM  
MAXIMUM LOAD OF PALLET HOLDER 600 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Protected against dust and liquids.

- + Extremely slim design
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Self-adjusted damping in a special field can also be adjusted on the upper side of the separator
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	6	9	12	18	24	30	36	50
ASMR - 600	MASS WT (KG) <sup>1)</sup>	15 - 600	15 - 500	15 - 380	15 - 205	15 - 130	15 - 90	15 - 60	15 - 35

1) Allowed accumulated load

2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

### ASMR - 600 - EW - 15

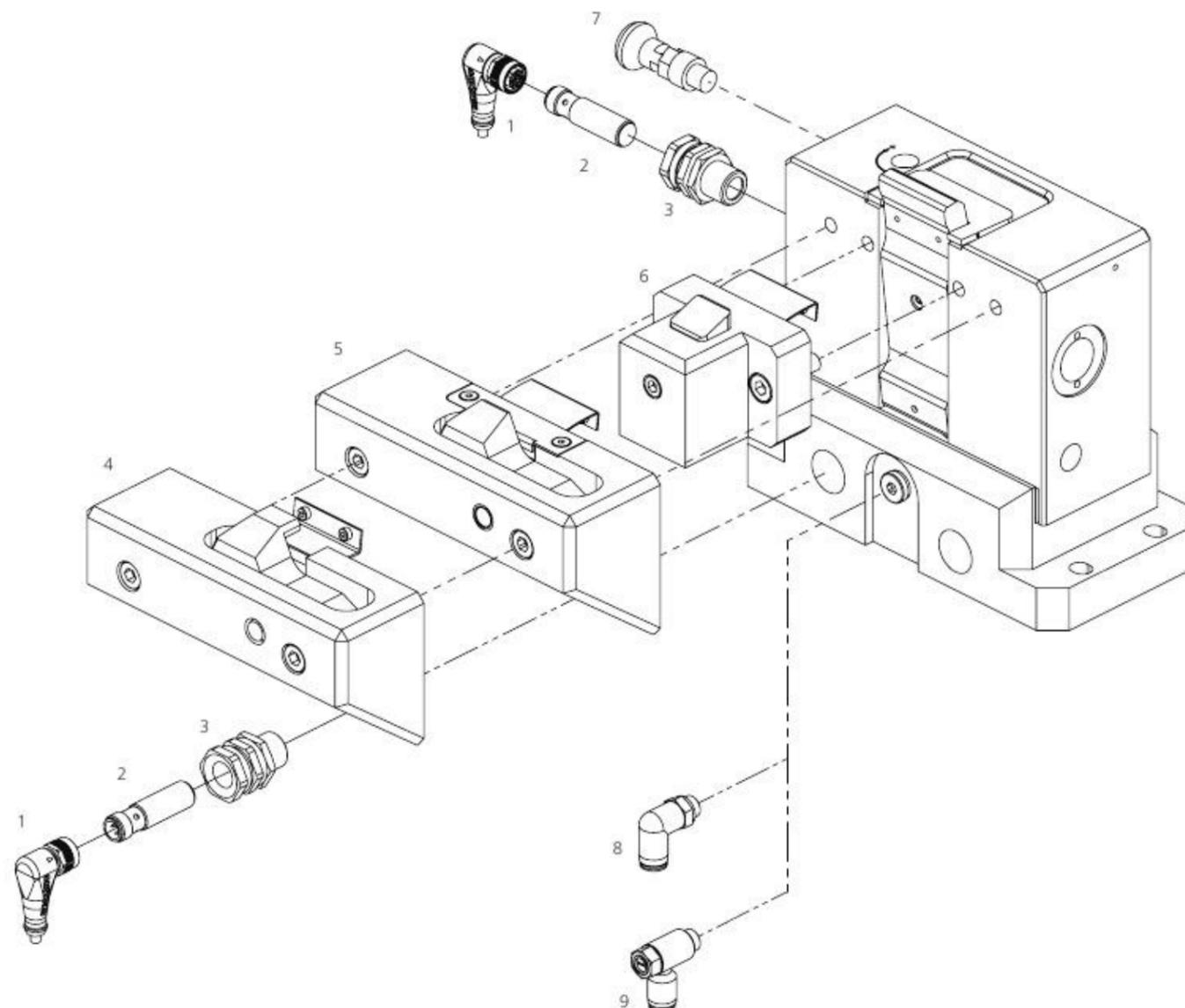
Separator with damping, up to 600 kg, single acting, lowering stroke 15 mm, for roller conveyor systems

ASMR -	600 -	EW - DW -	15 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 600 kg	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

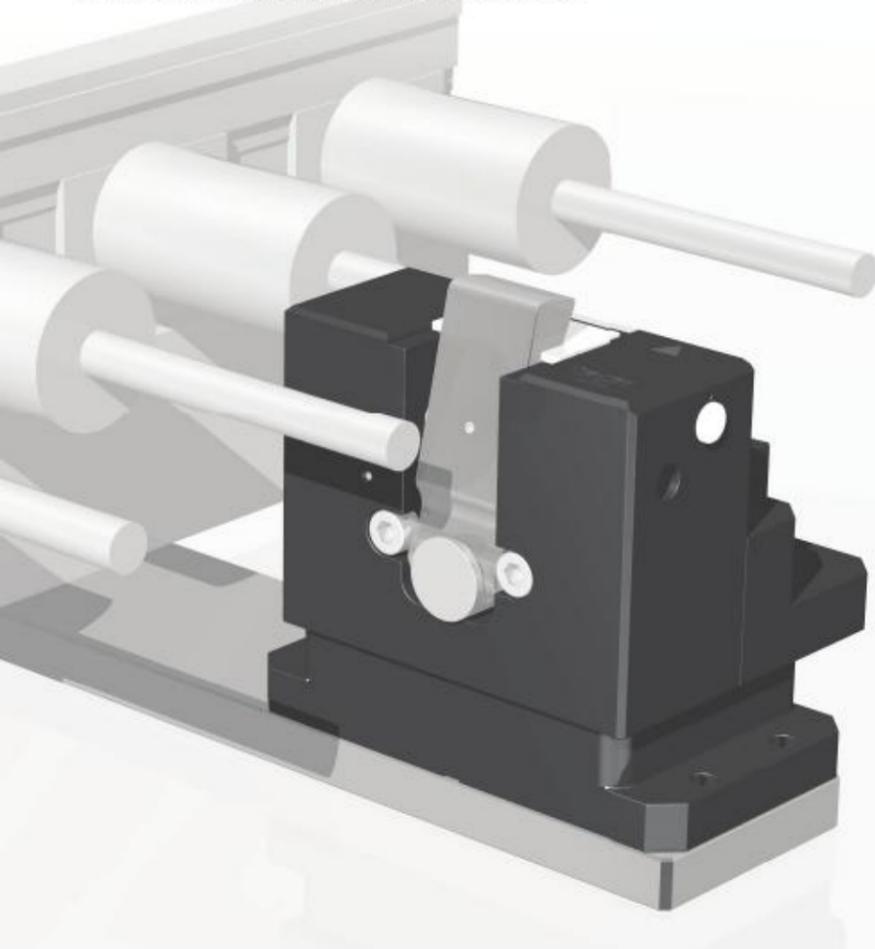


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000001	Inductive proximity switch M12x1	
3	15030001	Clamping holder M16x1	Short version
4	75010001	Return stop for workpiece stop plate	25 mm
5	75010000	Return stop for workpiece stop plate	40 mm
6	ASR-010	Return stop for workpiece stop plate	40 mm
7	75009001	Indexing unit	
8	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
9	14010005	Delivery air connector G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMR-1000

SEPARATOR WITH DAMPING FOR ROLLER CONVEYOR SYSTEM  
 MAXIMUM LOAD OF PALLET HOLDER 1000 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Protected against dust and liquids.

- + Extremely slim design
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	9	12	18	24	30
ASMR - 1000	<b>MASS WT (KG)<sup>1)</sup></b>	50 - 1000	50 - 900	50 - 700	50 - 350	50 - 200

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

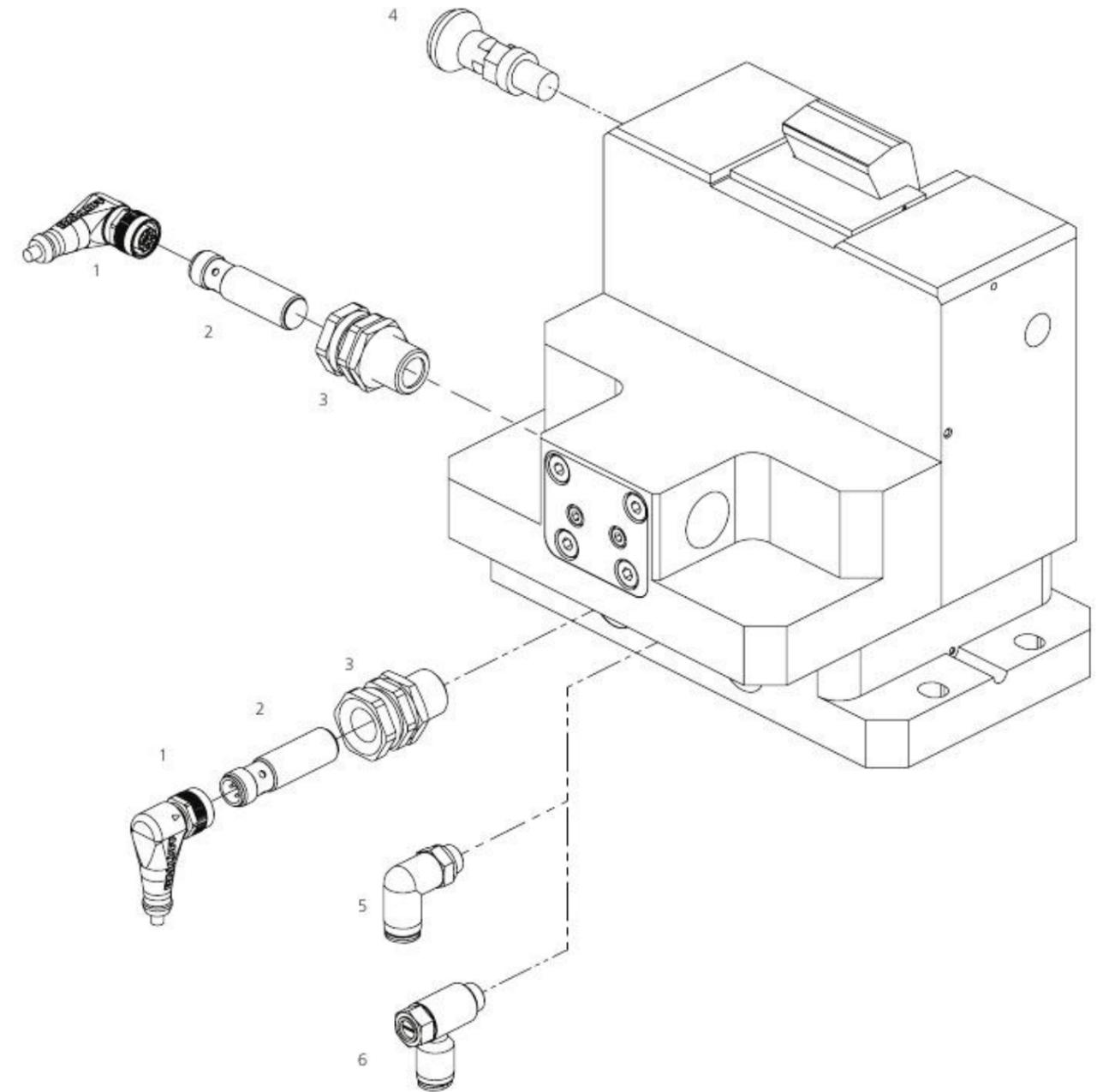
### ASMR - 1000 - EW - 15

Separator with damping, up to 1000 kg, single acting, lowering stroke 15 mm, for roller conveyor systems

ASMR -	1000 -	EW - DW -	15 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 9 m/min up to 1000 kg	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
 DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

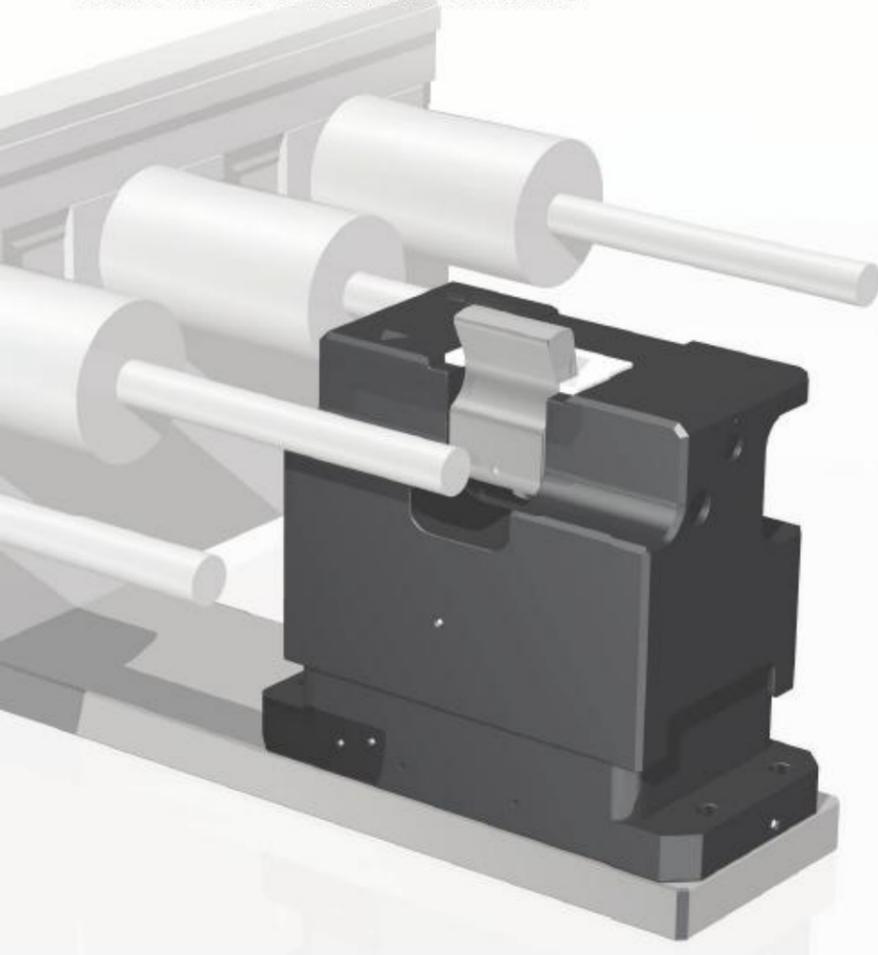


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000001	Inductive proximity switch M12x1	
3	15030001	Clamping holder M16x1	Short version
7	75009004	Indexing unit	
8	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
9	14010005	Delivery air connector G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASMR-1000-EW-15-002

SEPARATOR WITH DAMPING FOR ROLLER CONVEYOR SYSTEM  
 MAXIMUM LOAD OF PALLET HOLDER 1000 KG

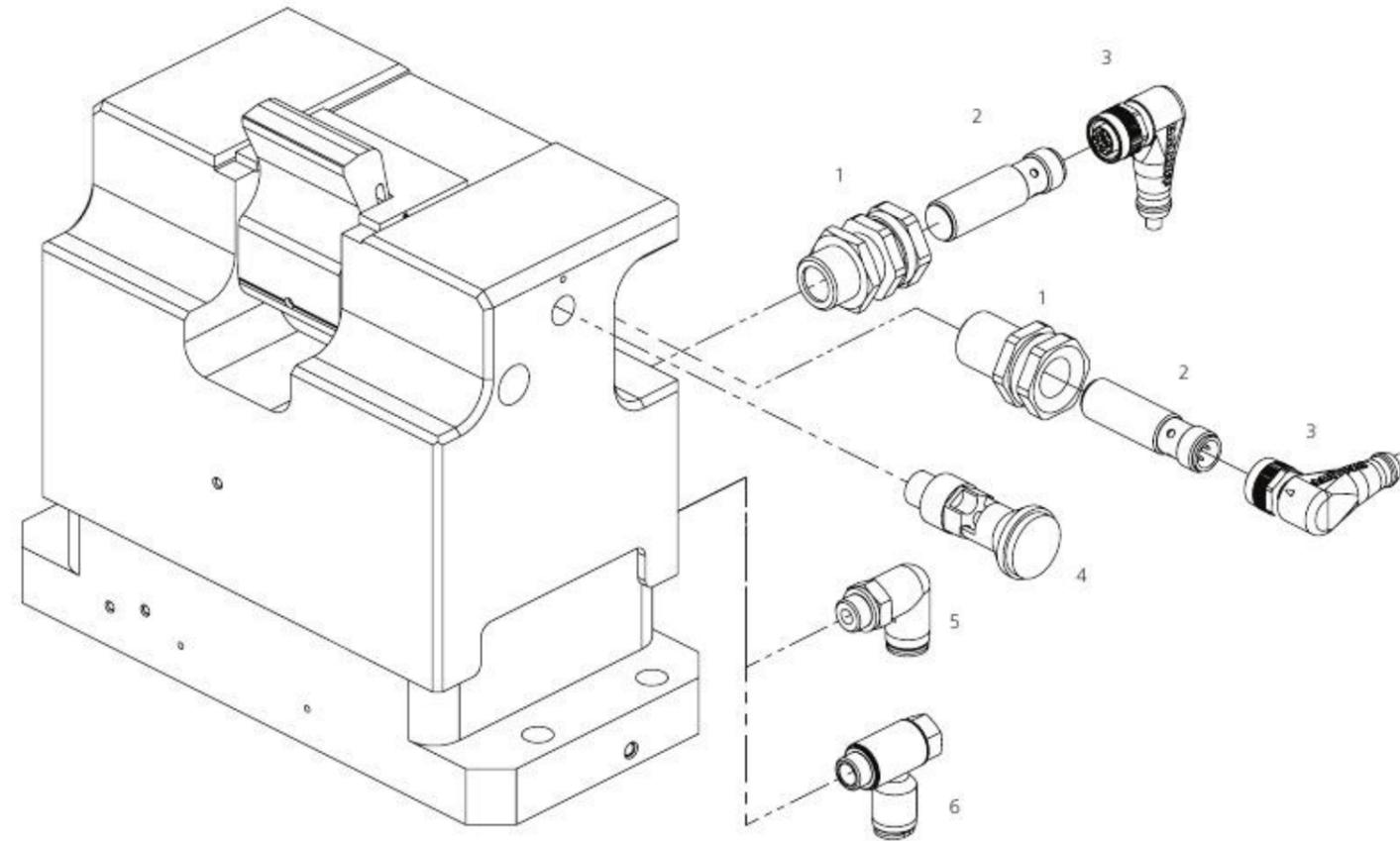


Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate in conveyor systems or directly at the working piece. It can also be used for positioning pneumatic cylinders, for example. Protected against dust and liquids.

- + Extremely slim design
- + High positioning accuracy
- + Very soft damping
- + Maintenance-free
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>21</sup>	9	12	18	24	30
ASMR - 1000	<b>MASS WT (KG)<sup>1)</sup></b>	50 - 1000	50 - 900	50 - 700	50 - 350	50 - 200

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASMR - 1000 - EW - 15 - 002

Separator with damping, up to 1000 kg, single acting, lowering stroke 15 mm, for roller conveyor systems

ASMR -	1000 -	EW - DW -	15 -	002
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 9 m/min up to 1000 kg	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (When depressurized the separator goes into the lock position via spring and the pallet will be stopped)  
 DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15030001	Clamping holder M16x1	Short version
2	15000001	Inductive proximity switch M12x1	
3	15010001	Connector M12x1	Length 5 m
7	75009004	Indexing unit	
8	14010008	Air connection G1/8	For tubing external diameter Ø 6 mm
9	14010005	Delivery air connector G1/8	For tubing external diameter Ø 6 mm

Heat and cold resistant accessories upon request. Subject to technical modification.



**VERY FAST**

Reduces significantly the cycle times.



**POWER CONSUMING**

Engine has less abrasive wear.



**COST EFFECTIVE**

Productivity is increased.



**COMFORTABLE**

Reduces the cost of maintenance, protection of the engine.

# ACCELERATOR MODULE

Extremely short cycle times within the second range are commonplace in the production of electronic components. Here, ASUTEC's accelerator module enables a marked reduction in cycle times by reducing the period between the individual machining cycles. The accelerator module ensures that the part being machined leaves the machining station more quickly, allowing the next machining cycle to begin at an earlier stage. There is potential for a reduction of up to 1 second in cycle times. If operators use the accelerator module in combination with the ASUTEC damping module, this will also address the precision issue. The part is machined after the precise, smooth stop procedure, and the accelerator module is started via compressed air supply as the part is released.



	ASB - 60 - EW - 08	ASB - 60 - EW - D08
<b>THEORETICAL ACCELERATION FORCE WITH 6 BAR</b>	200N	265N
<b>PALLET HOLDER LOAD</b>	up to 60 kg	up to 60 kg
<b>REVERSING OPERATION</b>	YES	NO
<b>EW= SINGLE ACTING</b>	YES	YES
<b>DW=DOUBLE ACTING</b>	NO	NO
<b>PAGE</b>	86 - 87	88 - 89

USED WHEN CYCLE TIMES HAVE TO BE REDUCED

# ASB-60-EW-08

ACCELERATOR MODULE

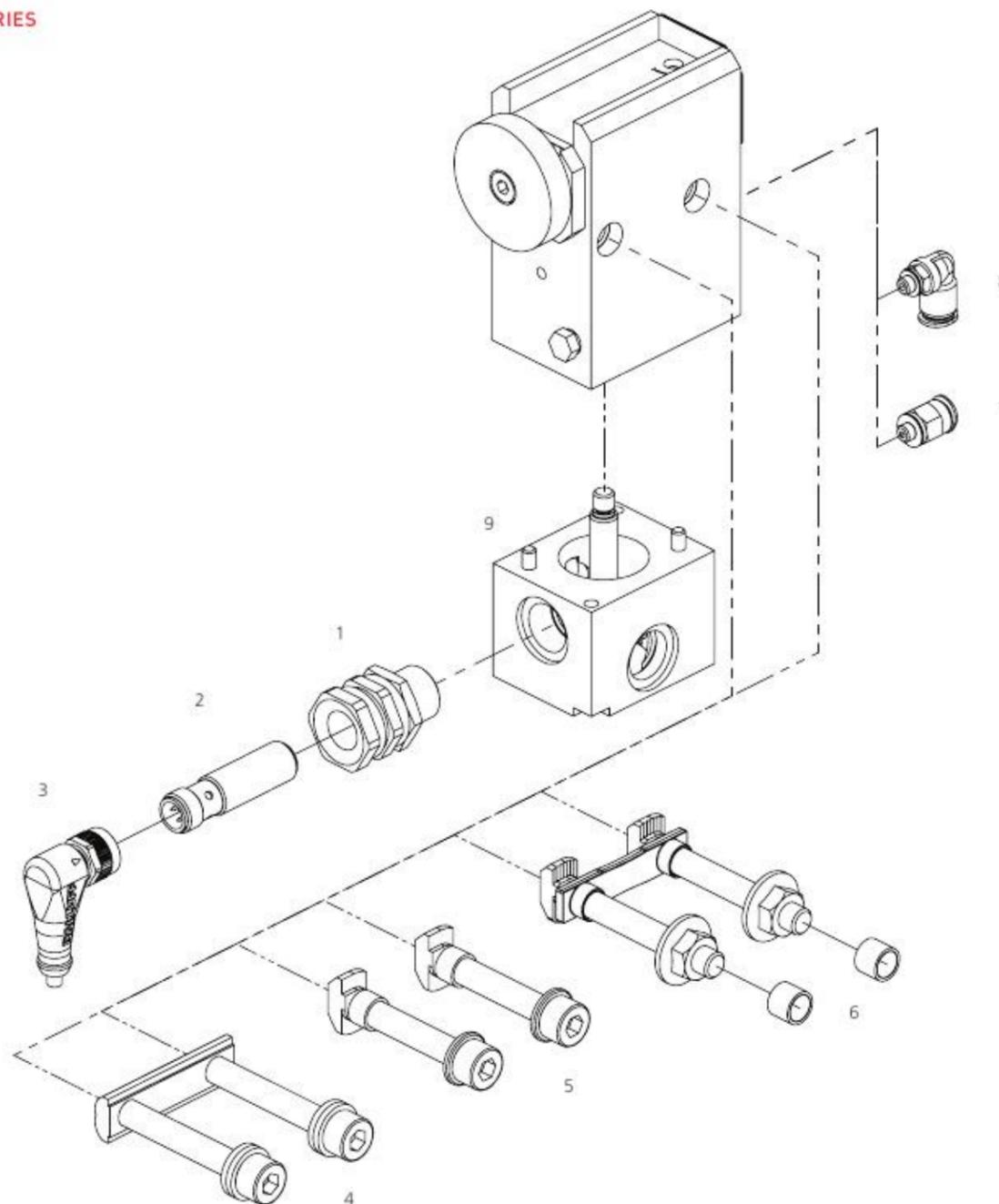


The accelerator module ensures that the part being machined leaves the machining station more quickly, allowing the next machining cycle to begin at an earlier stage. There is potential for a reduction of up to 1 second in cycle times.

- + Reduces downtime
- + Increases productivity
- + Easy to integrate
- + Maintenance-free
- + Working Pressure: treated compressed air 4 - 8 bar
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### KEY TO PRODUCT DESCRIPTION

ASB - 60 - EW - 08

ASB -	60 -	EW - DW -	08 -	- I -	Customerspecific no.
<b>Product classification</b> Type	<b>Max. pallet load</b>	<b>Function</b> EW = single acting DW = double acting on demand	<b>Lowering stroke</b> (mm)	<b>Query</b> - = without sensor I = inductive sensor	<b>Customer-specific</b>

EW = single acting (When depressurized the acceleration module goes into lowering position via spring force)  
 DW = double acting (The accelerator has no spring, the top and bottom position can be controlled pneumatically)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15030001	Clamping holder M16x1	Short version
2	15000001	Inductive proximity switch	M12x1
3	15010001	Connector M12x1	Length 5 mm
4	75000006	Fastening set	With long slot nuts
5	75000002	Fastening set B	With short spacer sleeves
6	75000001	Fastening set A	With long spacer sleeves
7	14010009	Air connection M5	For tubing external diameter Ø 6 mm
8	14010004	Air connection M5	For tubing external diameter Ø 6 mm
9	75003016	Position detection	8 stroke (retrofit)

Heat and cold resistant accessories upon request. Subject to technical modification.

# ASB-60-EW-D08

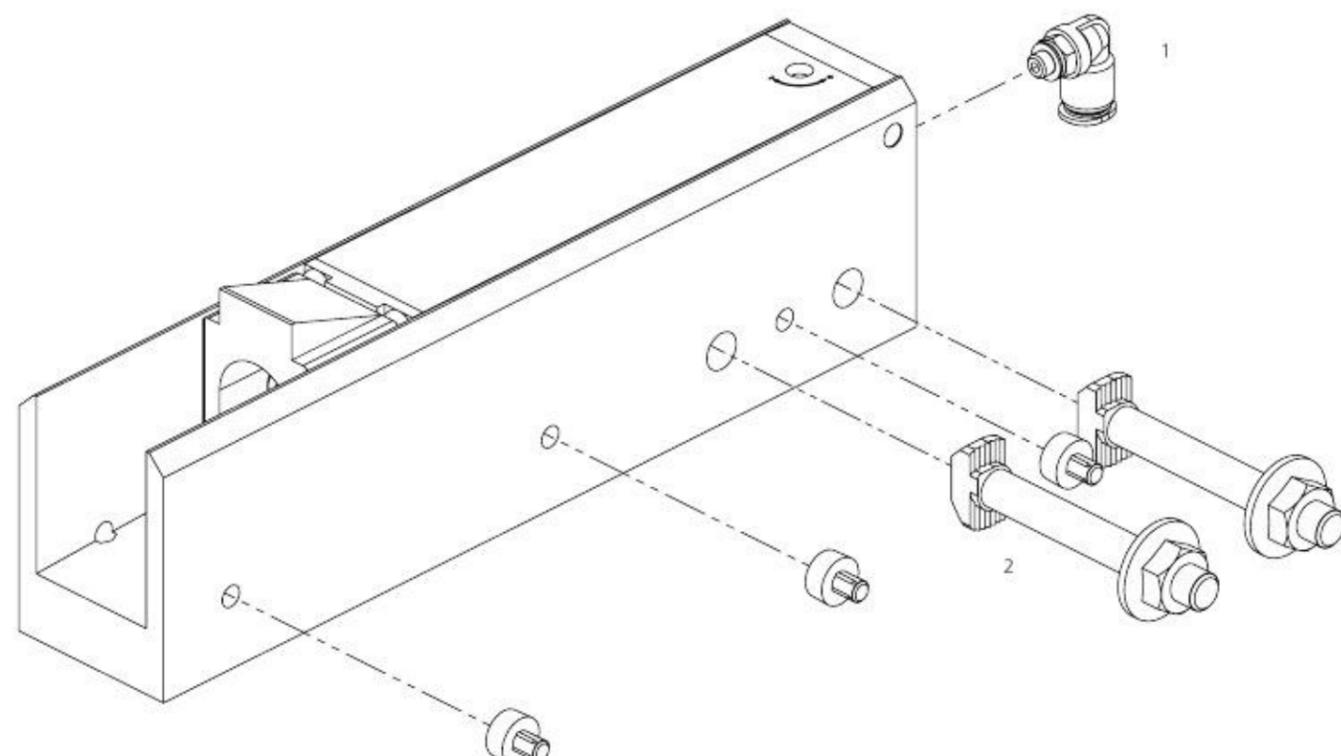
ACCELERATOR MODULE

The accelerator module ensures that the part being machined leaves the machining station more quickly, allowing the next machining cycle to begin at an earlier stage. There is potential for a reduction of up to 1 second in cycle times.

- + Reduces downtime
- + Increases productivity
- + Easy to integrate
- + Maintenance-free
- + Working Pressure: treated compressed air 4 - 8 bar
- + Function as return stop
- + Product versions for special compatibility of materials on demand (eg. drilling emulsion, petrol, different types of oil)



## ACCESSORIES



### KEY TO PRODUCT DESCRIPTION

ASB - 60 - EW - D08

ASB -	60 -	EW -	D08 -	Customerspecific no.
<b>Product classification</b> Type	<b>Max. pallet load</b>	<b>Function</b> EW = single acting	<b>Lowering stroke</b> (mm)	<b>Customer-specific</b>

EW = single acting (After crossing the stop plate the acceleration module goes through a spring in the upper position. Workpiece pallets can be accelerated)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	14010004	Air connection M5	For tubing external diameter Ø 6 mm
2	75000030	Fastening set	

Heat and cold resistant accessories upon request. Subject to technical modification.



**QUIET**

Reduce the noise significantly.



**INTELLIGENT**

Self-adjusting within a large weight range.



**RELIABLE**

Reduce installation costs.



**COMFORTABLE**

Reduce the cost of maintenance.

# E-SEPARATOR WITH DAMPING

Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly. Besides the sophisticated technology and positive environmental aspects for users, this series offers tangible economic benefits. An electrical connector with a 2x5-pin M12x1 plug or a 1x8-pin M12x1 plug for ASMEL-20, ASMEL-50 and ASMEL-100. This is connected to the separator and wired via the SPS. The ASMEL-800 and ASMEL-1000 devices require an A EN 175301-803 (DIN 43650) connector plug.



	ASMEL-20	ASMEL-50	ASMEL-100	ASMEL-800	ASMEL-1000
<b>DAMPING MODUL</b>	YES	YES	YES	YES	YES
<b>PALLET HOLDER LOAD</b>	1 - 20 kg	1 - 50 kg	3 - 100 kg	20 - 800 kg	40 - 1000 kg
<b>CONNECTION</b>	8 or 5 pole M12x1	8 or 5 pole M12x1	8 or 5 polig M12x1	TYPE A EN 175301-803 DIN 43650	TYPE A EN 175301-803 DIN 43650
<b>DETECTING THE POSITION OF THE WORKPIECE</b>	NO	NO	NO	NO	NO
<b>PAGE</b>	92 - 93	94 - 95	96 - 97	98 - 99	100 - 101

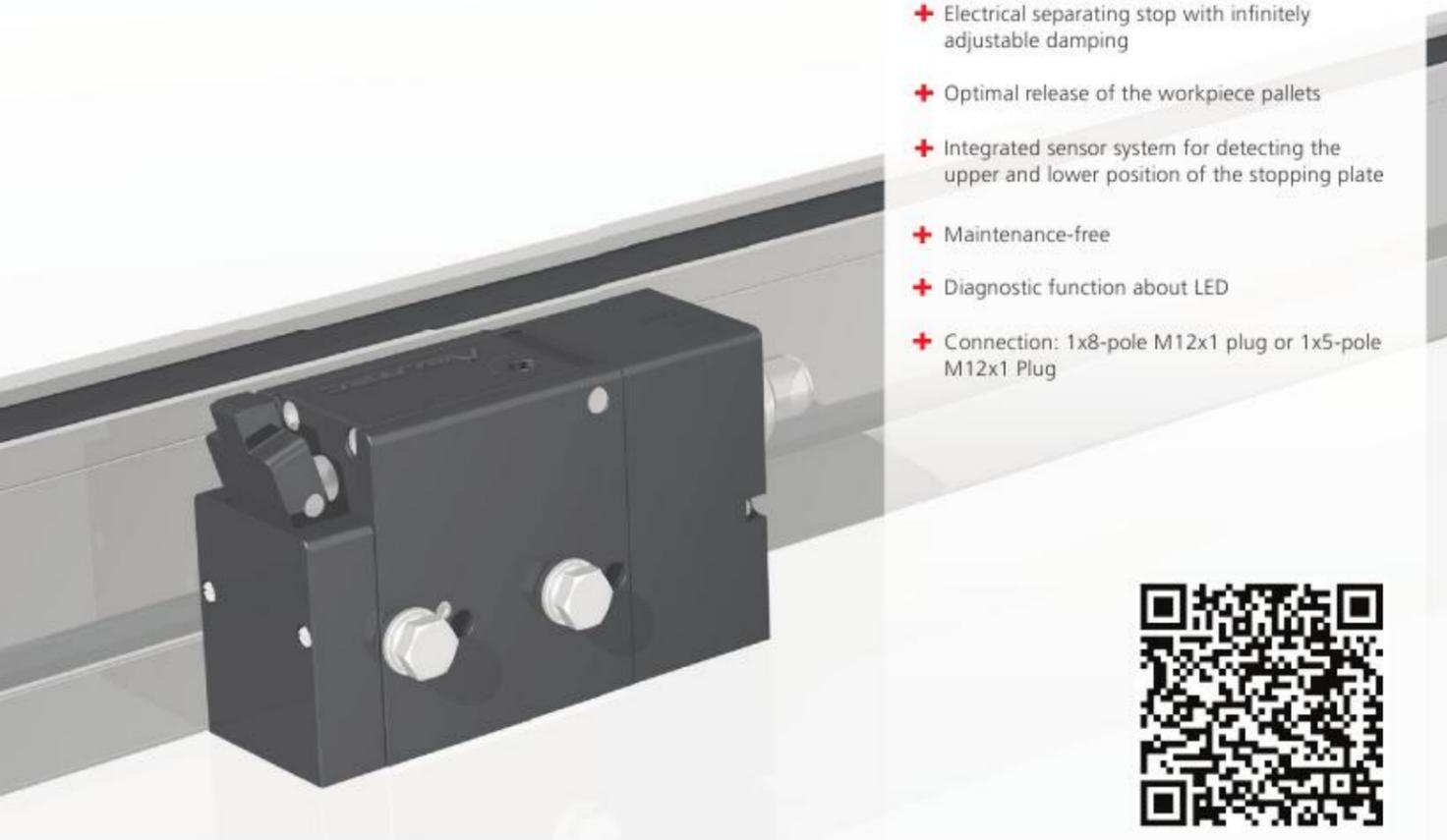
IS USED WHERE NO COMPRESSED AIR IS PERMITTED OR REQUIRED

# ASMEL-20

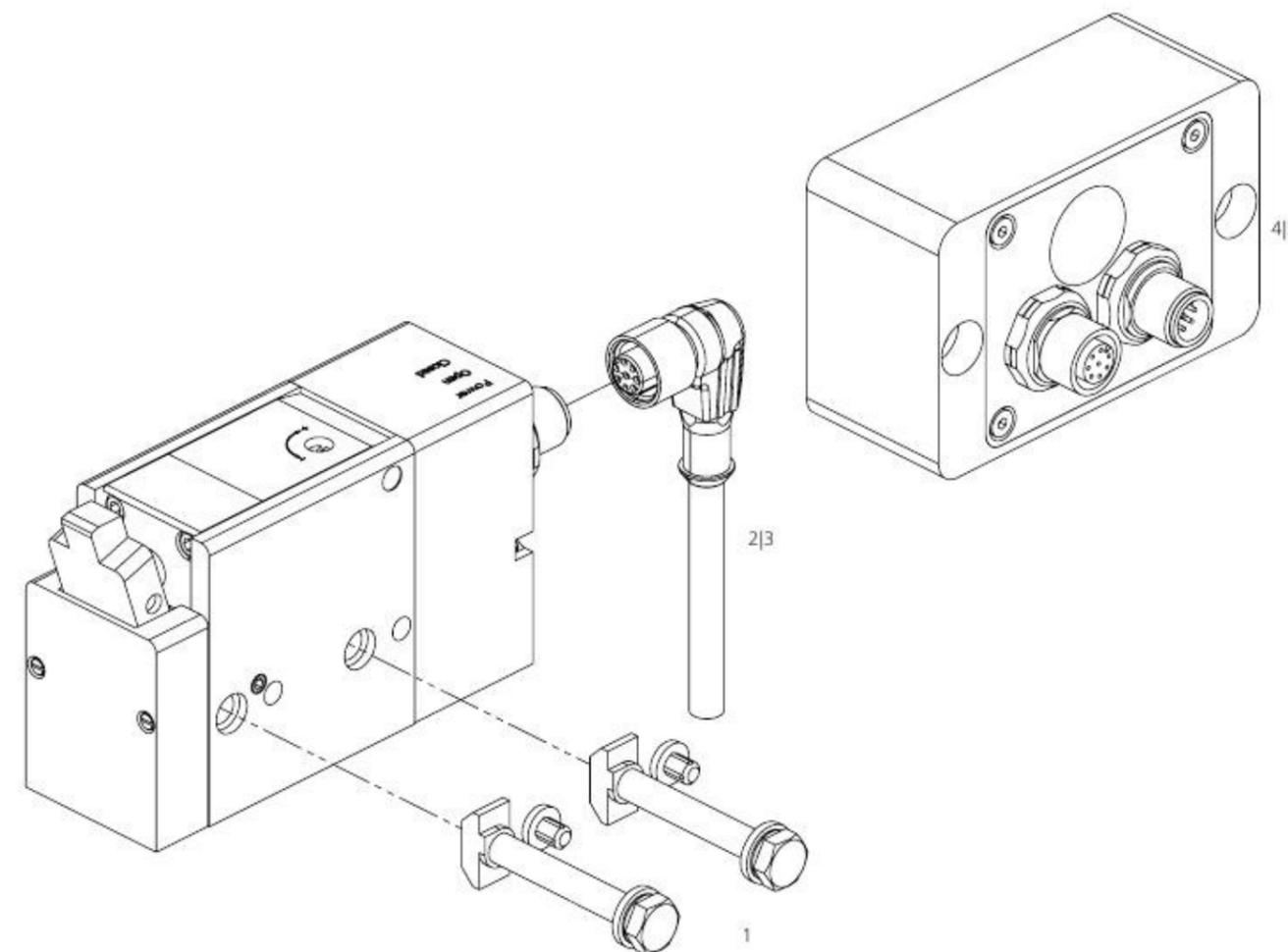
DAMPING MODULE, ELECTRICAL  
FOR PALLET HOLDER LOADS 0,25 - 20 KG

Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly.

- + Electrical separating stop with infinitely adjustable damping
- + Optimal release of the workpiece pallets
- + Integrated sensor system for detecting the upper and lower position of the stopping plate
- + Maintenance-free
- + Diagnostic function about LED
- + Connection: 1x8-pole M12x1 plug or 1x5-pole M12x1 Plug



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36
ASMEL - 20	MASS WT (KG) <sup>1)</sup>	0,25 – 20	0,25 – 10	0,25 – 7	0,25 – 3,5	0,25 – 2,5	0,25 – 2,0	0,25 – 1,0

1) Allowed accumulated load  
2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASMEL - 20 - DW -D07 - 8

Electrical separator, with damping, up to 20 kg, double acting, lowering stroke 7 mm, 8-pole M12x1 plug

ASMEL -	20 -	DW -	D07 -	8 - 5 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 20 kg	<b>Function</b> DW = double acting	<b>Lowering stroke</b> (mm)	<b>Electrical connection</b> 8=1x 8pole M12x1 plug 5=2x 5pole M12x1 plug	<b>Customerspecific</b>

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000004	Fastening set	
2	15010002	8-pole M12x1 plug	Length: 5 meter with bunched conductors
3	15010003	5-pole M12x1 plug	Length: 5 meter with bunched conductors
4	76000004	Emergency stop module*	8-pole
5	76000005	Emergency stop module*	5-pole

\* Emergency stop module: Separator moves during a power failure in the desired position

# ASMEL-50

DAMPING MODULE, ELECTRICAL  
FOR PALLET HOLDER LOADS 1 - 50 KG

Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly.

- + Electrical separating stop with infinitely adjustable damping
- + Optimal release of the workpiece pallets
- + Integrated sensor system for detecting the upper and lower position of the stopping plate
- + Maintenance-free
- + Diagnostic function about LED
- + Connection: 1x8-pole M12x1 plug or 1x5-pole M12x1 Plug



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = [M/MIN] <sup>2)</sup>	6	9	12	18	24	30	36
ASMEL - 50	<b>MASS WT (KG)<sup>1)</sup></b>	1 - 50	1 - 35	1 - 30	1 - 18	1 - 12	1 - 8	1 - 5

1) Allowed accumulated load

2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

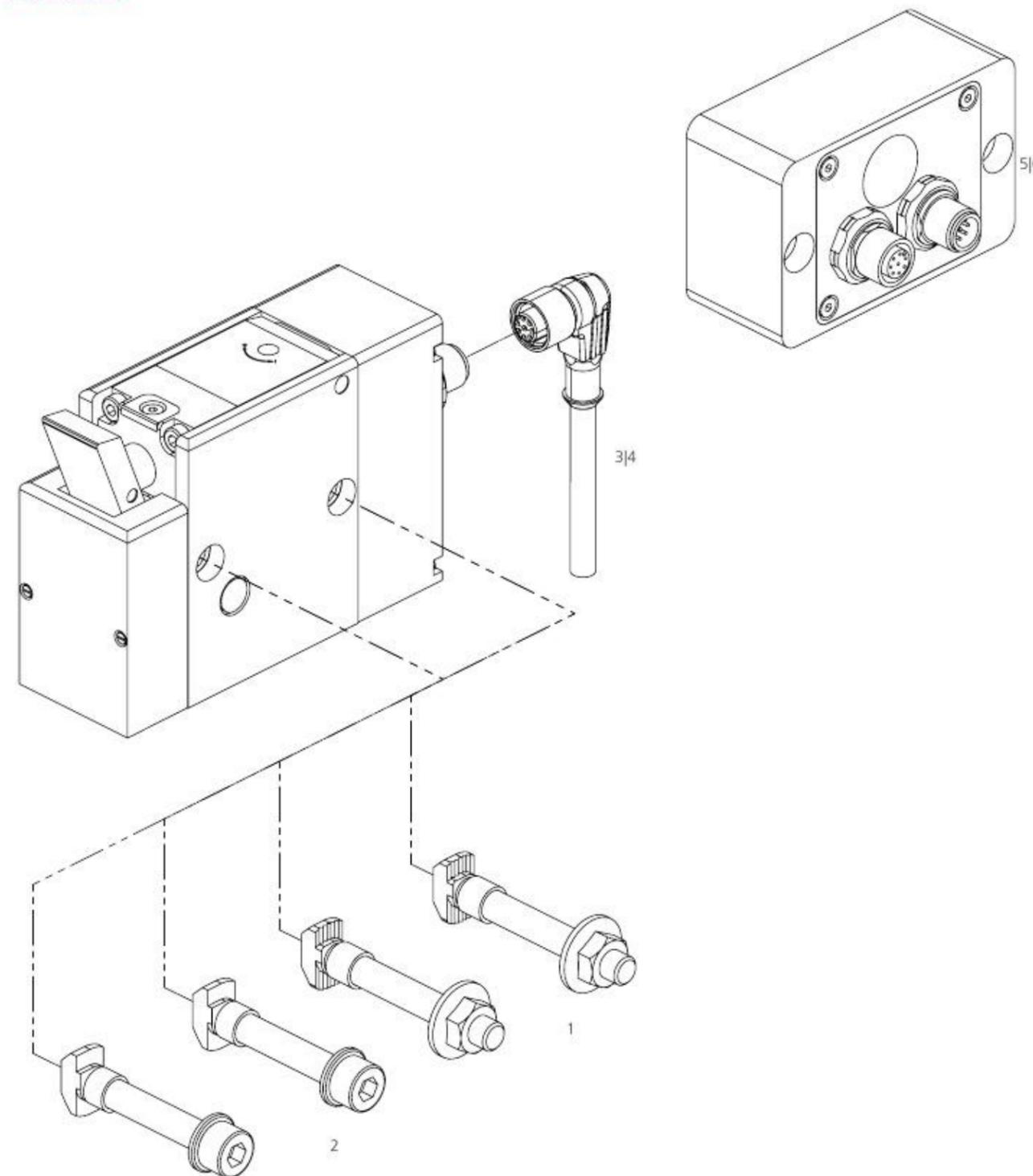
### ASMEL - 50 - DW - D09 - 8

Electrical separator, with damping, up to 50 kg, double acting, lowering stroke 9 mm, 8-pole M12x1 plug

ASMEL -	50 -	DW -	D09 -	8 - 5 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 50 kg	<b>Function</b> DW = double acting	<b>Lowering stroke</b> (mm)	<b>Electrical connection</b> 8=1x 8pole M12x1 plug 5=2x 5pole M12x1 plug	<b>Customerspecific</b>

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000001	Fastening set A	With long spacer sleeves
2	75000002	Fastening set B	With short spacer sleeves
3	15010002	8-pole M12x1 plug	Length: 5 meter with bunched conductors
4	15010003	5-pole M12x1 plug	Length: 5 meter with bunched conductors
5	76000004	Emergency stop module*	8-pole
6	76000005	Emergency stop module*	5-pole

\* Emergency stop module: Separator moves during a power failure in the desired position

# ASMEL-100

DAMPING MODULE, ELECTRICAL  
FOR PALLET HOLDER LOADS 3 - 100 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly.

- + Electrical separating stop with infinitely adjustable damping
- + Optimal release of the workpiece pallets
- + Integrated sensor system for detecting the upper and lower position of the stopping plate
- + Maintenance-free
- + Diagnostic function about LED
- + Connection: 1x8-pole M12x1 plug or 1x5-pole M12x1 Plug



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	6	9	12	18	24	30	36
ASMEL - 100	MASS WT (KG) <sup>1)</sup>	3 - 100	3 - 70	3 - 60	3 - 50	3 - 45	3 - 30	3 - 20

1) Allowed accumulated load

2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

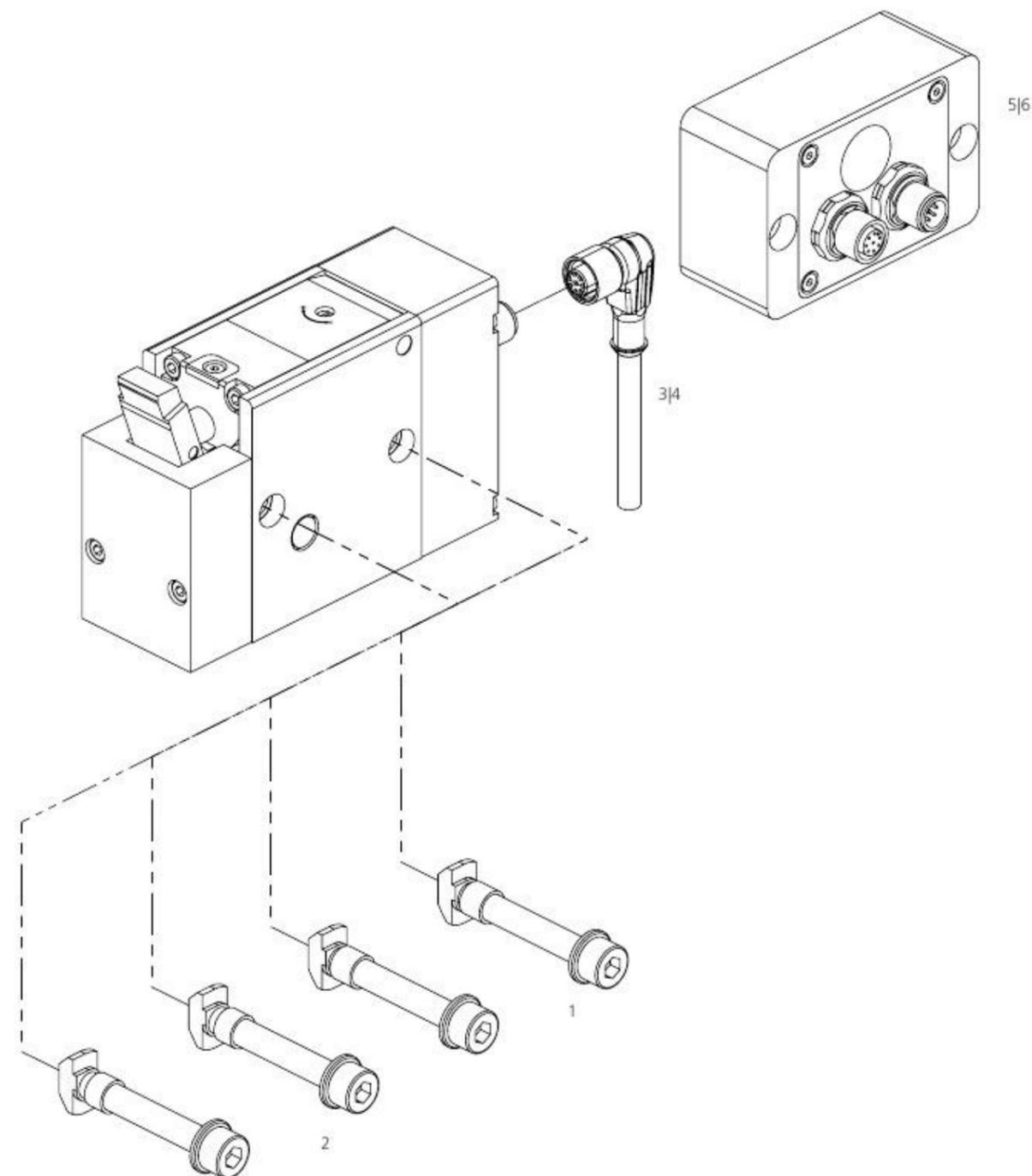
### ASMEL - 100 - DW - D09 - 8

Electrical separator, with damping, up to 100 kg, double acting, lowering stroke 9 mm, 8-pole M12x1 plug

ASMEL -	100 -	DW -	D09 -	8 - 5 -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 6 m/min up to 100 kg	<b>Function</b> DW = double acting	<b>Lowering stroke</b> (mm)	<b>Electrical connection</b> 8=1x 8pole M12x1 plug 5=2x 5pole M12x1 plug	<b>Customerspecific</b>

DW = double acting (When depressurized the separator keeps its last position. The separator has no spring therefore the lowering force will be higher)

## ACCESSORIES

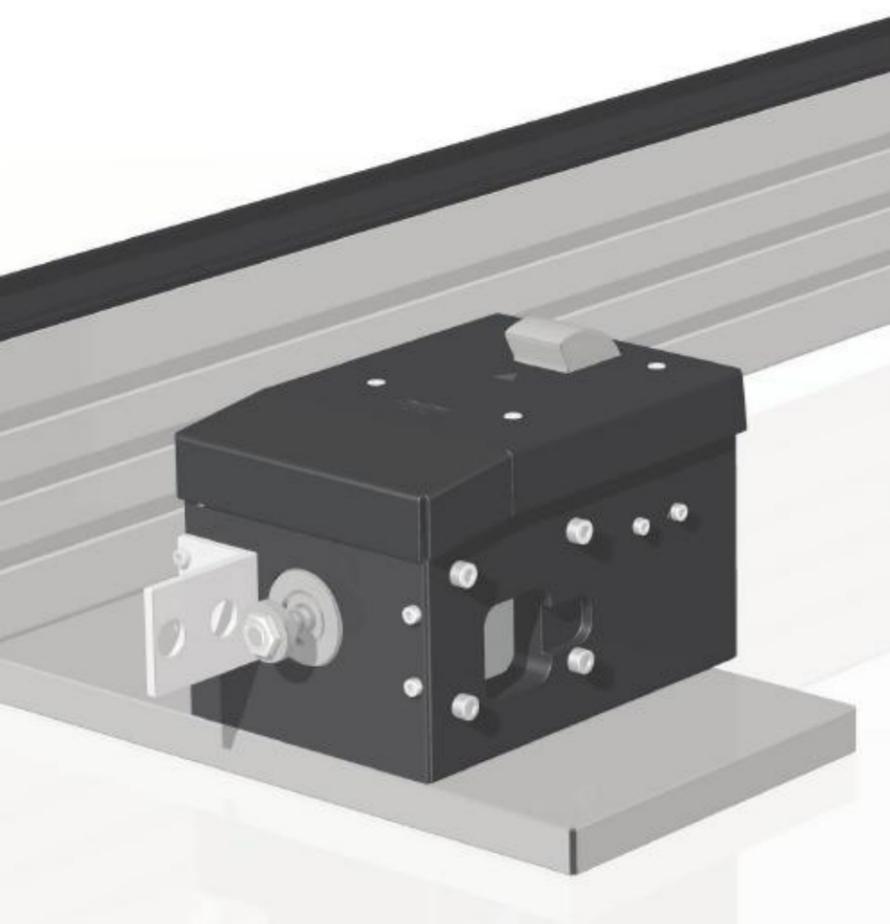


ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	75000020	Fastening set A	With short spacer sleeves
2	75000021	Fastening set B	With short spacer sleeves
3	15010002	8-pole M12x1 plug	Length: 5 meter with bunched conductors
4	15010003	5-pole M12x1 plug	Length: 5 meter with bunched conductors
5	76000004	Emergency stop module*	8-pole
6	76000005	Emergency stop module*	5-pole

\* Emergency stop module: Separator moves during a power failure in the desired position

# ASMEL-800

DAMPING MODULE, ELECTRICAL  
 FOR PALLET HOLDER LOADS 20 - 800 KG

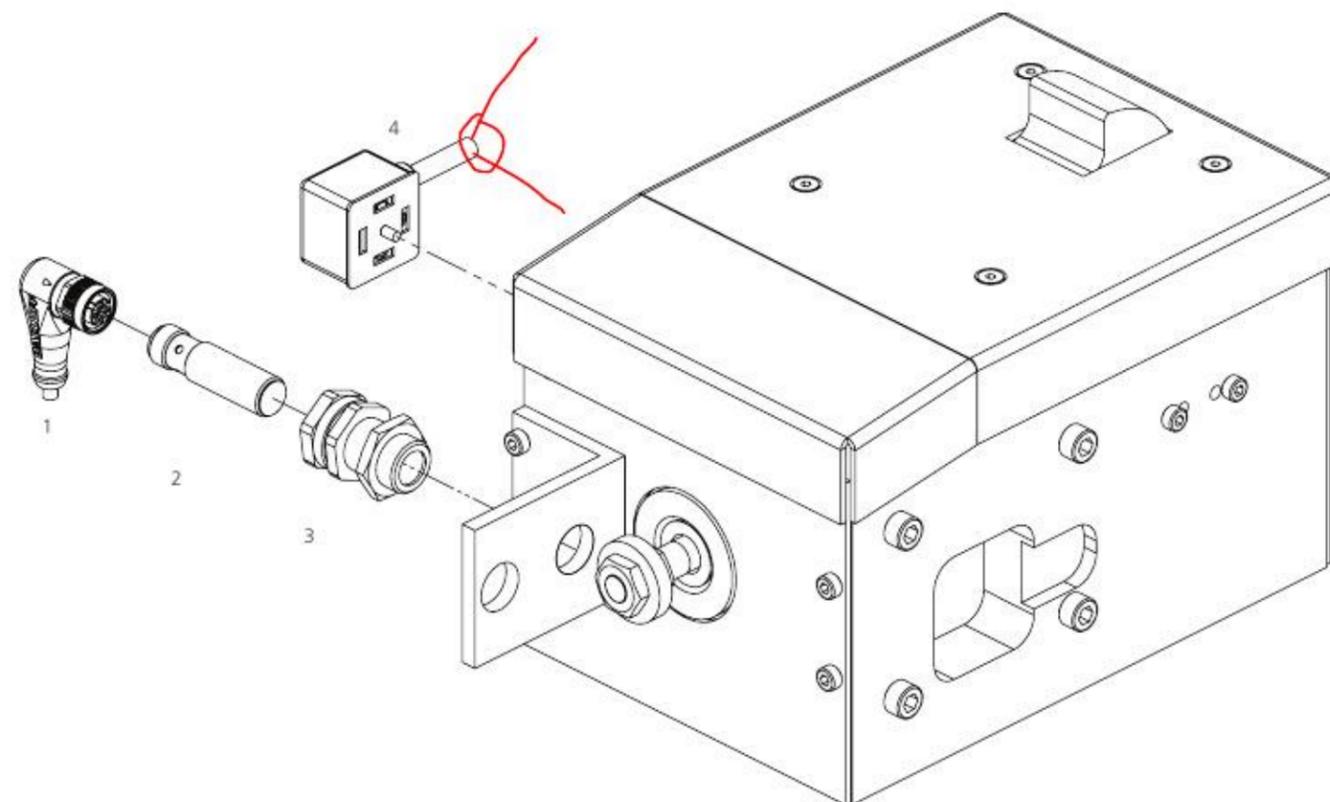


Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly.

- + Electrical separator
- + Optimal release of the workpiece pallets
- + Optional integrated sensor system for detecting the upper and lower position of the stopping plate
- + Maintenance-free
- + Connector: A EN 175301-803 (DIN 43650) electrical connector



## ACCESSORIES



### OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	9	12	18	24	30	36
ASMEL - 800	MASS WT (KG) <sup>1)</sup>	20 - 800	20 - 450	20 - 200	20 - 150	20 - 100	20 - 45

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

### KEY TO PRODUCT DESCRIPTION

#### ASMEL - 800 - EW - D10 - I

Electrical separator, with damping, up to 800 kg, double acting, lowering stroke 10 mm, inductive sensor

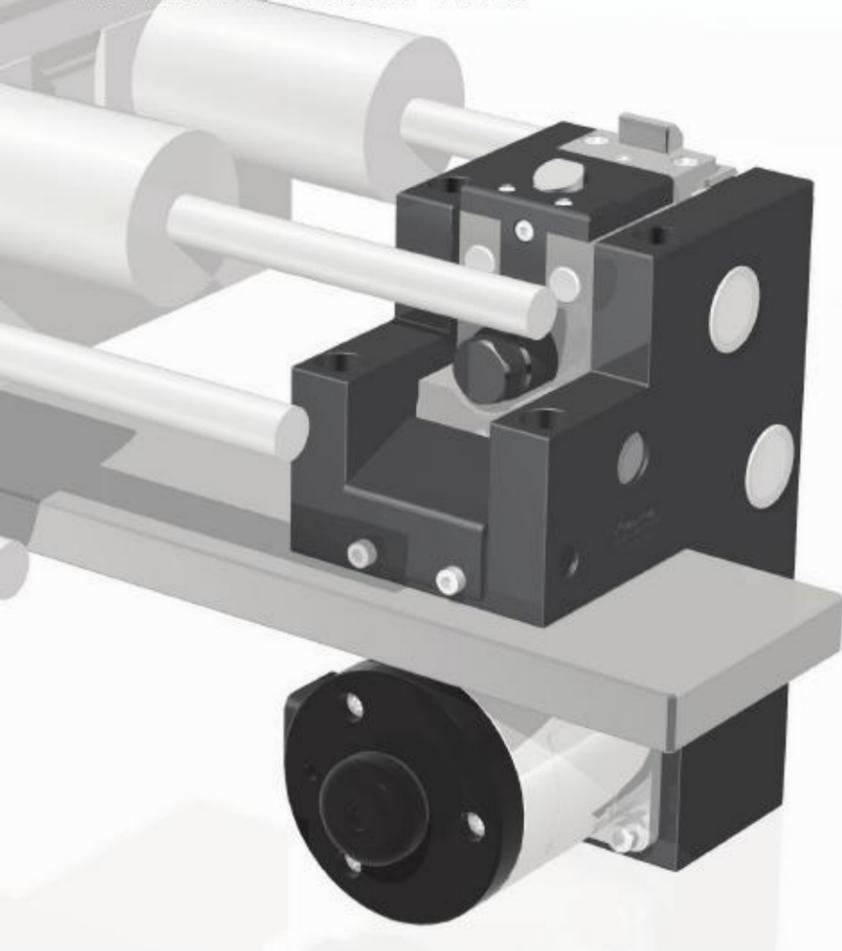
ASMEL -	800 -	DW -	D10 -	I -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 9 m/min up to 800 kg	<b>Function</b> EW = single acting	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor	<b>Customerspecific</b>

EW = single acting (When electroless the separator goes into the lock position via spring and the pallet will be stopped)

ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010001	Connector M12x1	Length 5 m
2	15000001	Inductive proximity switch	M12x1
3	15030001	Clamping holder M16x1	Short version
4	15010004	Solenoid valve connector	Length 5m

# ASMEL-1000

DAMPING MODULE, ELECTRICAL  
 FOR PALLET HOLDER LOADS 40 - 1000 KG



Stops, separates and damps one or more accumulated pallet holders at a defined pallet holder stop plate or at the working piece directly.

- + Electrical separator
- + Optimal release of the workpiece pallets
- + Optional sensor system for detecting if stop plate up and in
- + Maintenance-free
- + Connector: A EN 175301-803 (DIN 43650) electrical connector



## OPERATING RANGE | ALLOWED ACCUMULATED LOAD

OPERATING	V = (M/MIN) <sup>2)</sup>	9	12	18	24	30	36
ASMEL - 1000	MASS WT (KG) <sup>1)</sup>	40 - 1000	40 - 830	40 - 500	40 - 250	40 - 120	40 - 60

1) Allowed accumulated load  
 2) Allowed conveying velocity: This information applies to friction of  $\mu = 0,07$  between the pallet holder and the conveyor band, for a standard ASUTEC stop plate.

## KEY TO PRODUCT DESCRIPTION

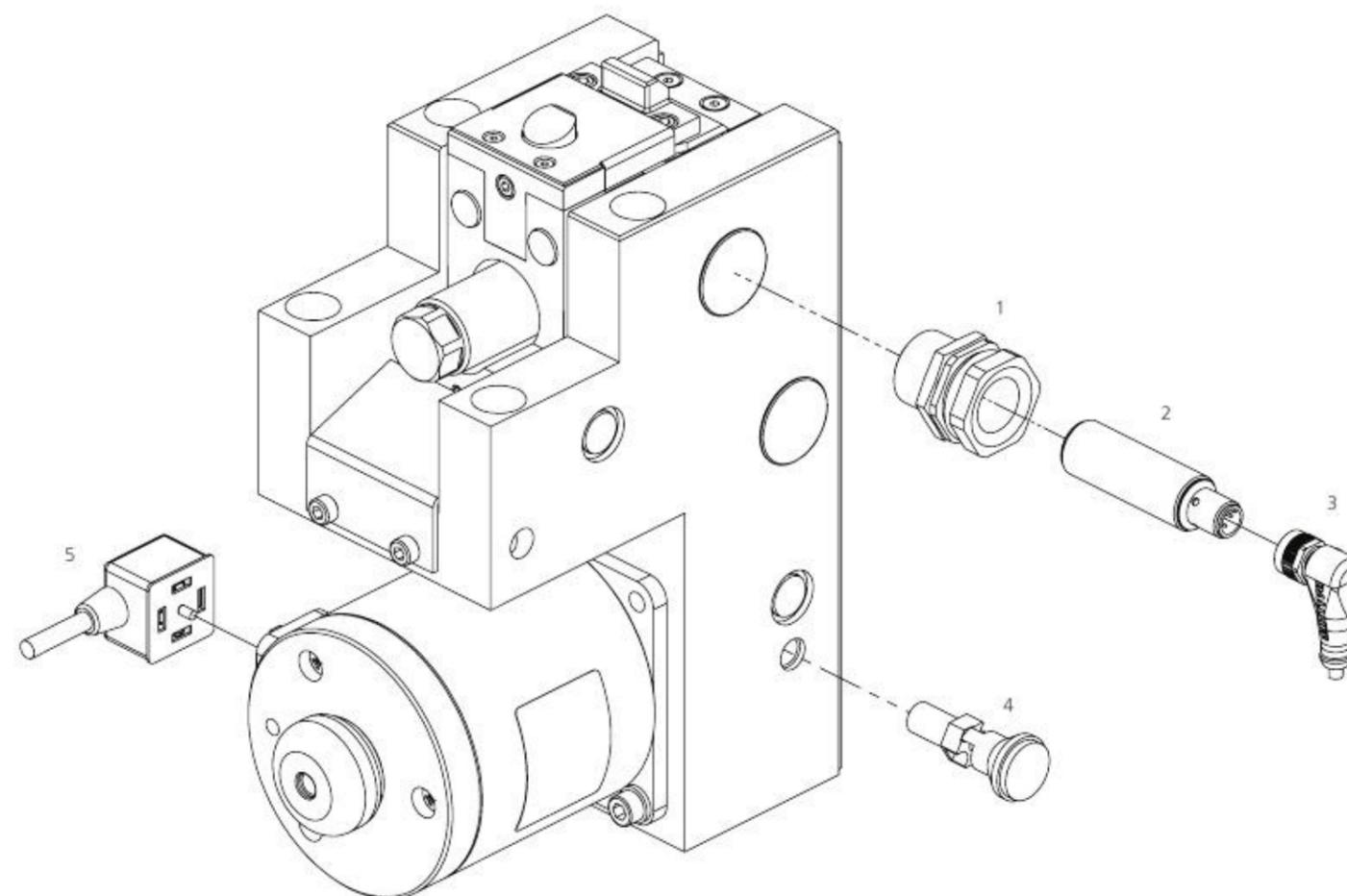
### ASMEL - 1000 - EW - D09 - I

Electrical separator, with damping, up to 1000 kg, single acting, lowering stroke 9 mm, inductive sensor

ASMEL -	1000 -	EW -	D09 -	I -	Customerspecific no.
<b>Product classification</b> Type	<b>Maximum ram pressure</b> conveyor speed from 9 m/min up to 1000 kg	<b>Function</b> EW = single acting	<b>Lowering stroke</b> (mm)	<b>Query</b> I = inductive sensor	<b>Customerspecific</b>

EW = single acting (When electroless the separator goes into the lock position via spring and the pallet will be stopped)

## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15020006	Clamping holder M24x1,5	Short version
2	15000021	Inductive proximity switch	M18x1
3	15010001	Connector M12x1	Length 5 m
4	10091002	Indexing unit	
5	15010004	Solenoid valve connector	Length 5m

\*Stand part number: The connector is located in the direction of transport on the left side. Can be rotated about 90° individually two times.

**+ HIGHEST DYNAMIC**  
 Up to 95% shorter cycle times.

**+ OPTIMIZED PROCESS FORCES**  
 High stability and stiffness compensate process forces.

**+ COST OPTIMIZED**  
 Optimised for efficient and cost effective application.

**+ REVERSING OPERATION**  
 Electrical return stops can be applied in reversing operation.

# E - RETURN - STOP

The return stop will be installed in combination with an undamped separator or with a damped separator. The return stop may not be installed as a stand-alone device, e.g. as a rotation-locking device. In this range, lowering is regulated using electrical energy. Connector with A EN 175301-803 (DIN 43650) electrical connector: this is connected to the e-return stop and wired via the SPS. No external air supply is required.



	ASREL
PALLET HOLDER LOAD	up to 3 kg
REVERSING OPERATION	YES
RETURN STOP	YES
CONNECTION	TYPE A EN 175301-803 (DIN 43650)
PAGE	104 - 105

IS USED WHERE NO COMPRESSED AIR IS PERMITTED OR REQUIRED, IN CONJUNCTION WITH A SEPARATOR

# ASREL

RETURN STOP, ELECTRICAL  
 MINIMUM WEIGHT OF PALLET HOLDER AB 3 KG



The return stop is used to avoid rebounding of the workpiece pallet when using separators without damping. The backstop can not as a single unit, eg be installed as a directional lock.

- + Maintenance-free
- + Open: through overrun the pallet holder or electrical  
 Close: via spring force
- + Minimum weight of pallet holder: 3 kg
- + Maximum weight of pallet holder: 1200 kg
- + Connector: A EN 175301-803 (DIN 43650) electrical connector

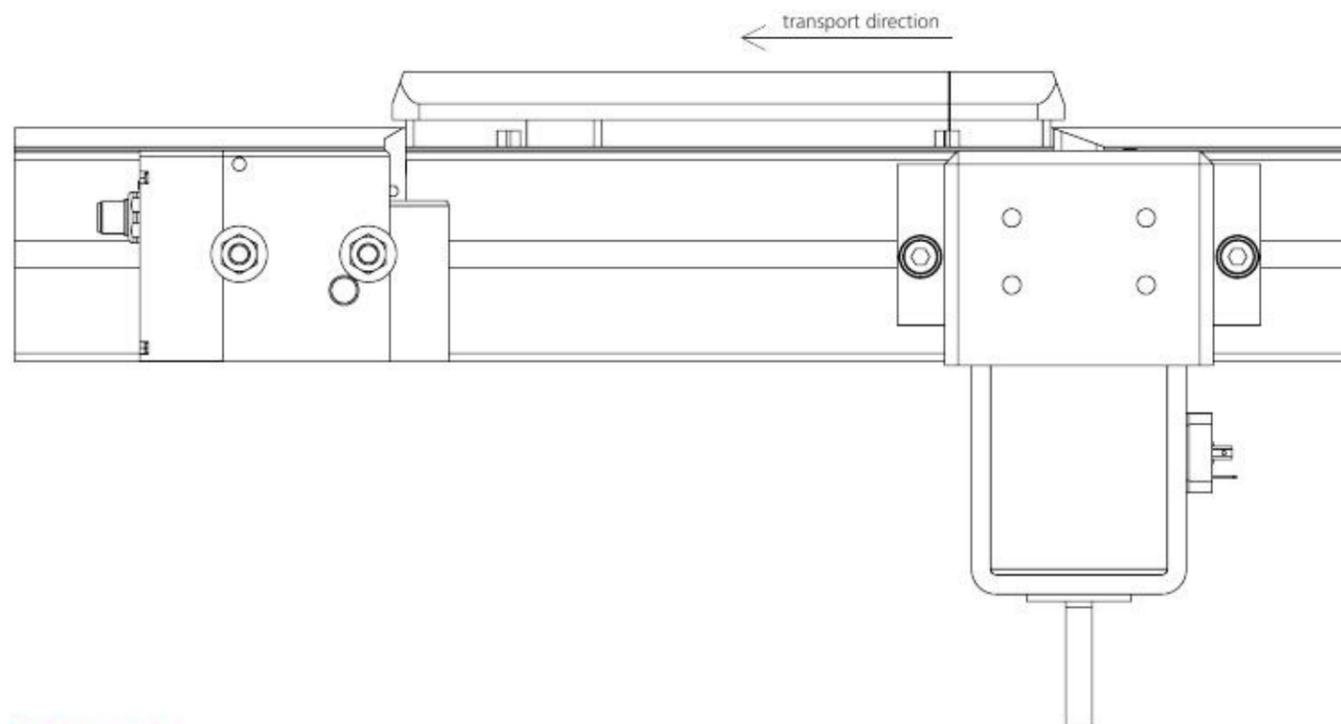


## KEY TO PRODUCT DESCRIPTION

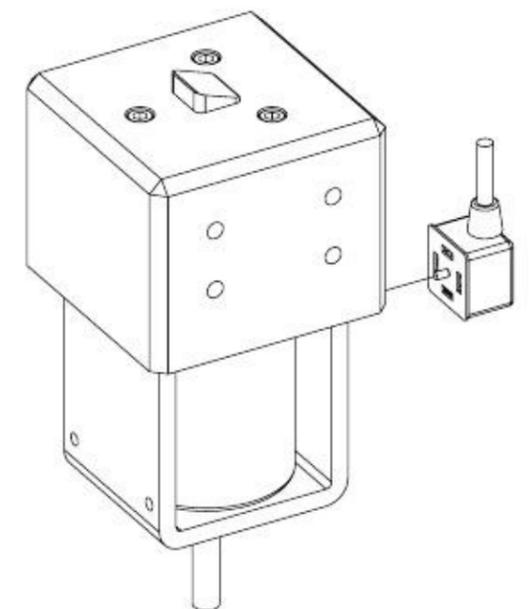
ASREL -	Customerspecific no.
Product classification Type	Customerspecific



## APPLICATION



## ACCESSORIES



ITEM NO.	ORDER NO.	ACCESSORY	DESCRIPTION
1	15010004	Solenoid valve connector	Length 5m

## SPECIAL SOLUTIONS

As the saying goes: „Nothing exists that does not exist“; We do not only produce the ASUTEC standard separators. For every production process we will find the perfect component and thus the right solution:

- + Many differently, already realized special projects worldwide
- + With our technical expertise and industry experience we always find a perfect solution
- + With our flexibility, we will make your project possible

It is that easy and uncomplicated to have individual component technology, feel free to contact us:

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ASU-350-DW-22



ASMK-1000-EW-20-1

DEVELOPED FOR KRUPS-TRANSFER SYSTEMS



ASM-260-DW-12-I-001



ASM-60-EW-08-017



ASU-600-DW-10-I-002

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