


### Electrical Connection

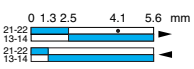
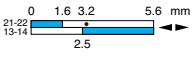
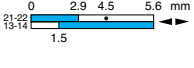


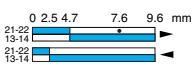
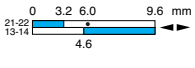
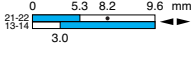


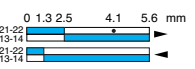
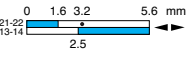
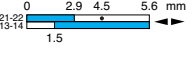

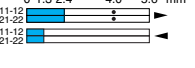
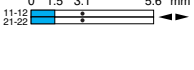
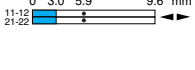
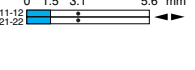

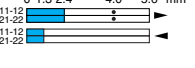




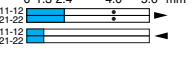


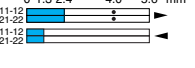

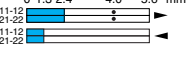
- AP1:** one cable inlet for PG 13,5 Cable Gland
- AP2:** one cable inlet by 1/2" NPT Plastic Adapter
- AP3:** one cable inlet for PG11 Cable Gland
- AP4:** one cable inlet for M16 x 1,5 Cable Gland
- AP5:** one cable inlet for M20 x 1,5 Cable Gland



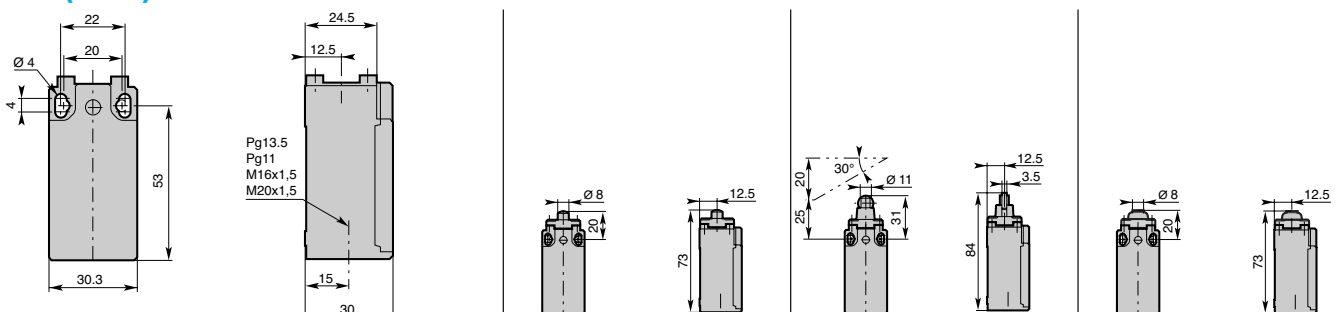
### Operating Head Type

	<b>T1• - Plain plunger</b> T10: nylon plunger T11: metal plunger	<b>T1• - Roller plunger</b> T12: metal roller T13: nylon roller	<b>T14 - Metal plunger with dust protection cup</b>
Conformity /  (N.C. contact with positive opening operation)	EN 50047	EN 50047	EN 50047
Max actuation speed [m/s]	0,5	0,3	0,5
Min. force [N] or torque [Nm]: actuation / positive opening operation	15 / 30	12 / 30	15 / 30

### Additional Technical Datas

	<b>Order Code</b>	<b>AP•T1•Z11</b>	<b>AP•T1•X11</b>	<b>AP•T1•Y11</b>	<b>AP•T1•W20</b>	<b>AP•T1•Z02</b>
<b>Z11</b> Snap Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram	<b>AP•T1•Z11</b> 	<b>AP•T1•X11</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>X11</b> Non overlapping Slow Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram	<b>AP•T1•X11</b> 	<b>AP•T1•X11</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>Y11</b> Overlapping Slow Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram	<b>AP•T1•Y11</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>W02</b> Slow Action Contacts (2NC)	<b>Order Code</b> Operation Diagram	<b>AP•T1•W02</b> 	<b>AP•T1•W02</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>W20</b> Slow Action Contacts (2NO)	<b>Order Code</b> Operation Diagram	<b>AP•T1•W20</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>Z02</b> Snap Action Contacts (2NC)	<b>Order Code</b> Operation Diagram	<b>AP•T1•Z02</b> 	<b>AP•T1•Z02</b> 	<b>AP•T1•Y11</b> 	<b>AP•T1•W20</b> 	<b>AP•T1•Z02</b> 
<b>Weight (packing per unit)</b>	<b>[kg]</b>	<b>0,070</b>	<b>0,075</b>	<b>0,075</b>	<b>0,075</b>	<b>0,070</b>

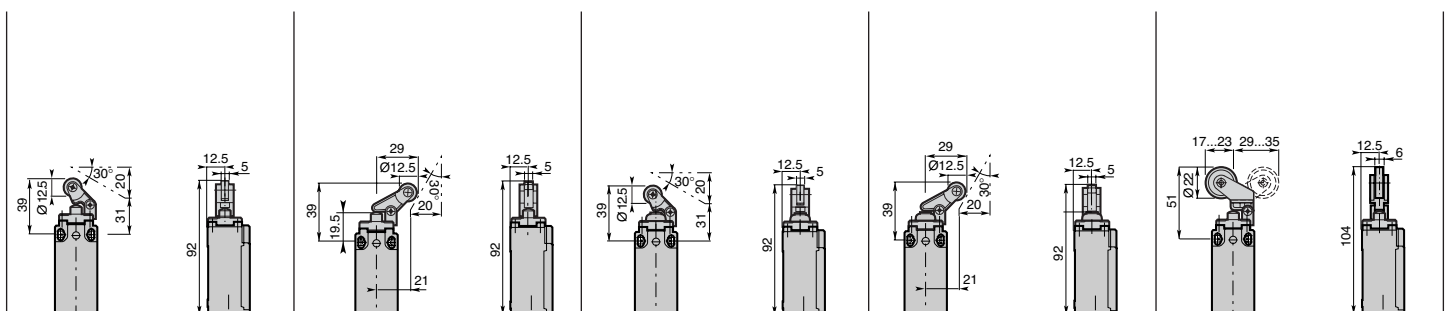
### Dimensions (in mm)





<p><b>T30 - Plastic roller lever</b> T30: on plastic plunger T31: on metal plunger</p>	<p><b>T32 - Plastic roller lever</b> T32: on metal plunger T34: on plastic plunger</p>	<p><b>T35 - Plastic roller lever on metal plunger with dust protection cup</b></p>	<p><b>T36 - Plastic roller lever on metal plunger with dust protection cup</b></p>	<p><b>T38 - Adjustable plastic roller lever on metal plunger</b></p>
EN 50047	EN 50047	EN 50047	EN 50047	EN 50047
1,0 7 / 24	1,0 7 / 24	1,0 7 / 24	1,0 7 / 24	1,0 7 / 24

<p><b>AP•T3•Z11</b></p>	<p><b>AP•T3•Z11</b></p>	<p><b>AP•T35Z11</b></p>	<p><b>AP•T36Z11</b></p>	<p><b>AP•T38Z11</b></p>
<p><b>AP•T3•X11</b></p>	<p><b>AP•T3•X11</b></p>	<p><b>AP•T35X11</b></p>	<p><b>AP•T36X11</b></p>	<p><b>AP•T38X11</b></p>
<p><b>AP•T3•Y11</b></p>	<p><b>AP•T3•Y11</b></p>	<p><b>AP•T35Y11</b></p>	<p><b>AP•T36Y11</b></p>	<p><b>AP•T38Y11</b></p>
<p><b>AP•T3•W02</b></p>	<p><b>AP•T3•W02</b></p>	<p><b>AP•T35W02</b></p>	<p><b>AP•T36W02</b></p>	<p><b>AP•T38W02</b></p>
<p><b>AP•T3•W20</b></p>	<p><b>AP•T3•W20</b></p>	<p><b>AP•T35W20</b></p>	<p><b>AP•T36W20</b></p>	<p><b>AP•T38W20</b></p>
<p><b>AP•T3•Z02</b></p>	<p><b>AP•T3•Z02</b></p>	<p><b>AP•T35Z02</b></p>	<p><b>AP•T36Z02</b></p>	<p><b>AP•T38Z02</b></p>
<b>0,075</b>	<b>0,080</b>	<b>0,075</b>	<b>0,080</b>	<b>0,080</b>



## Electrical Connection

- AP1:** one cable inlet for PG 13,5 Cable Gland
- AP2:** one cable inlet by 1/2" NPT Plastic Adapter
- AP3:** one cable inlet for PG11 Cable Gland
- AP4:** one cable inlet for M16 x 1,5 Cable Gland
- AP5:** one cable inlet for M20 x 1,5 Cable Gland



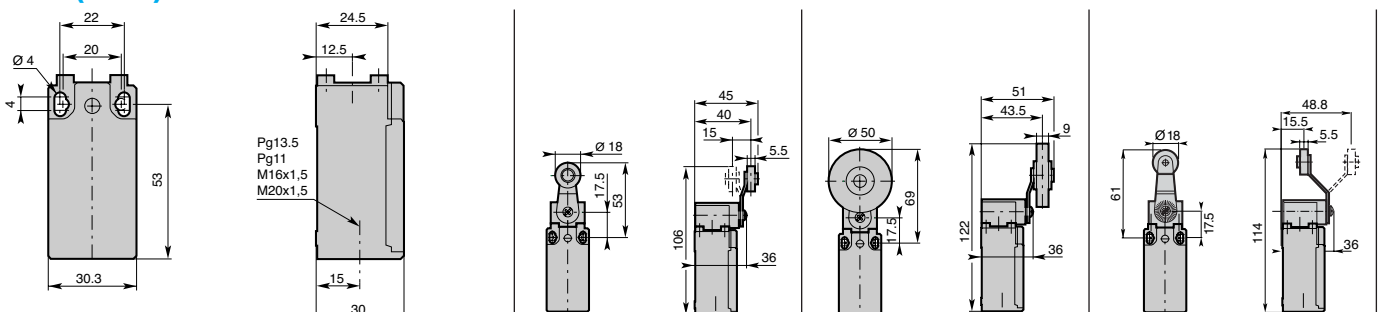
## Operating Head Type

	<b>T41 - Ø 18</b> nylon roller lever	<b>T42 - Ø 50</b> rubber roller lever	<b>T45 - Ø 18</b> nylon roller lever
Conformity /  (N.C. contact with positive opening operation)	EN 50047		
Max actuation speed [m/s]	1,5	1,5	1,5
Min. force [N] or torque [Nm]: actuation / positive opening operation	0,10 / 0,32	0,10 / 0,32	0,10 / 0,32

## Additional Technical Datas

<b>Z11</b> Snap Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram <b>AP•T41Z11</b>	<b>Order Code</b> Operation Diagram <b>AP•T42Z11</b>	<b>Order Code</b> Operation Diagram <b>AP•T45Z11</b>	
<b>X11</b> Non overlapping Slow Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram <b>AP•T41X11</b>	<b>Order Code</b> Operation Diagram <b>AP•T42X11</b>	<b>Order Code</b> Operation Diagram <b>AP•T45X11</b>	
<b>Y11</b> Overlapping Slow Action Contacts (1NO + 1NC)	<b>Order Code</b> Operation Diagram <b>AP•T41Y11</b>	<b>Order Code</b> Operation Diagram <b>AP•T42Y11</b>	<b>Order Code</b> Operation Diagram <b>AP•T45Y11</b>	
<b>W02</b> Slow Action Contacts (2NC)	<b>Order Code</b> Operation Diagram <b>AP•T41W02</b>	<b>Order Code</b> Operation Diagram <b>AP•T42W02</b>	<b>Order Code</b> Operation Diagram <b>AP•T45W02</b>	
<b>W20</b> Slow Action Contacts (2NO)	<b>Order Code</b> Operation Diagram <b>AP•T41W20</b>	<b>Order Code</b> Operation Diagram <b>AP•T42W20</b>	<b>Order Code</b> Operation Diagram <b>AP•T45W20</b>	
<b>Z02</b> Snap Action Contacts (2NC)	<b>Order Code</b> Operation Diagram <b>AP•T41Z02</b>	<b>Order Code</b> Operation Diagram <b>AP•T42Z02</b>	<b>Order Code</b> Operation Diagram <b>AP•T45Z02</b>	
<b>Weight (packing per unit)</b>	<b>[kg]</b>	<b>0,095</b>	<b>0,115</b>	<b>0,095</b>

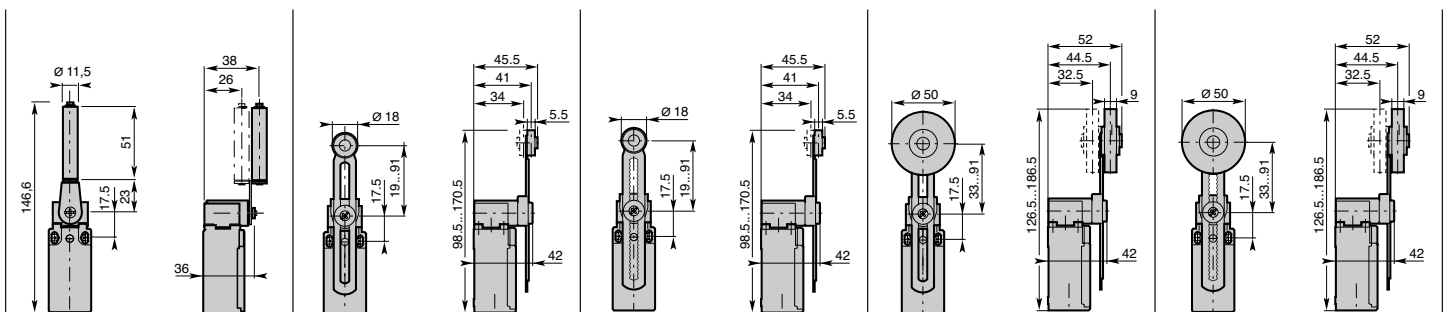
## Dimensions (in mm)





<b>T48 - Ceramic rod lever</b>	<b>T51 - Adjustable lever with Ø 18 nylon roller</b>	<b>T5100 - Adjustable toothed lever (step 2 mm) with Ø 18 nylon roller</b>	<b>T52 - Adjustable lever with Ø 50 rubber roller</b>	<b>T5200 - Adjustable toothed lever (step 2 mm) with Ø 50 rubber roller</b>
1,5 0,10 / 0,32	1,5 0,10 / 0,32	1,5 0,10 / 0,32	1,5 0,10 / 0,32	1,5 0,10 / 0,32

<b>AP•T48Z11</b> 	<b>AP•T51Z11</b> 	<b>AP•T5100Z11</b> 	<b>AP•T52Z11</b> 	<b>AP•T5200Z11</b> 
<b>AP•T48X11</b> 	<b>AP•T51X11</b> 	<b>AP•T5100X11</b> 	<b>AP•T52X11</b> 	<b>AP•T5200X11</b> 
<b>AP•T48Y11</b> 	<b>AP•T51Y11</b> 	<b>AP•T5100Y11</b> 	<b>AP•T52Y11</b> 	<b>AP•T5200Y11</b> 
<b>AP•T48W02</b> 	<b>AP•T51W02</b> 	<b>AP•T5100W02</b> 	<b>AP•T52W02</b> 	<b>AP•T5200W02</b> 
<b>AP•T48W20</b> 	<b>AP•T51W20</b> 	<b>AP•T5100W20</b> 	<b>AP•T52W20</b> 	<b>AP•T5200W20</b> 
<b>AP•T48Z02</b> 	<b>AP•T51Z02</b> 	<b>AP•T5100Z02</b> 	<b>AP•T52Z02</b> 	<b>AP•T5200Z02</b> 
<b>0,100</b>	<b>0,105</b>	<b>0,105</b>	<b>0,125</b>	<b>0,125</b>



## Electrical Connection

- AP1:** one cable inlet for PG 13,5 Cable Gland
- AP2:** one cable inlet by 1/2" NPT Plastic Adapter
- AP3:** one cable inlet for PG11 Cable Gland
- AP4:** one cable inlet for M16 x 1,5 Cable Gland
- AP5:** one cable inlet for M20 x 1,5 Cable Gland



## Operating Head Type

**T55 - Adjustable lever with adjustable Ø 50 Rubber roller**

**T5500 - Adjustable toothed lever (step 2 mm) with adjustable Ø 50 Rubber roller**

**T61 - Nylon actuator with stainless steel spring**

Conformity /  $\rightarrow$  (N.C. contact with positive opening operation)  
Max actuation speed [m/s]  
Min. force [N] or torque [Nm]: actuation / positive opening operation

1,5  
0,10 / 0,32

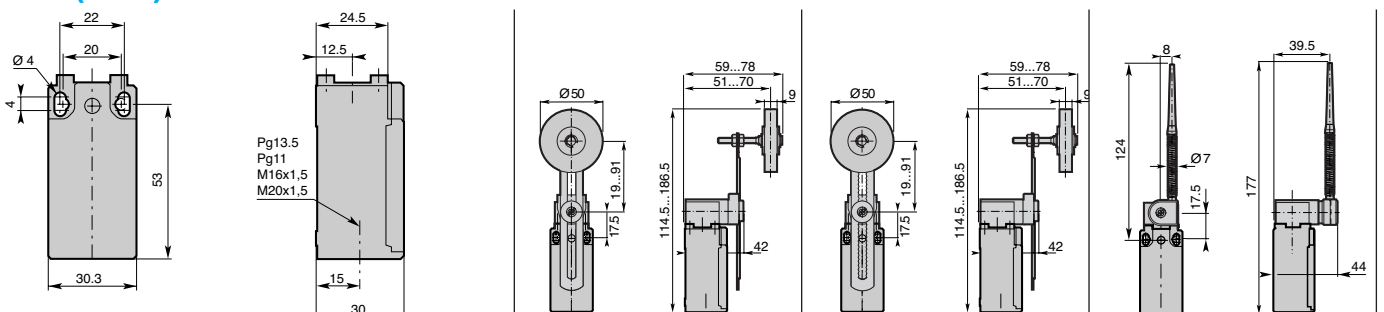
1,5  
0,10 / 0,32

1,5  
0,10 / -

## Additional Technical Datas

	Order Code	AP•T55Z11	AP•T5500Z11	AP•T61Z11
<b>Z11</b> Snap Action Contacts (1NO + 1NC)	Operation Diagram			
<b>X11</b> Non overlapping Slow Action Contacts (1NO + 1NC)	Operation Diagram			
<b>Y11</b> Overlapping Slow Action Contacts (1NO + 1NC)	Operation Diagram			
<b>W02</b> Slow Action Contacts (2NC)	Operation Diagram			
<b>W20</b> Slow Action Contacts (2NO)	Operation Diagram			
<b>Z02</b> Snap Action Contacts (2NC)	Operation Diagram			
<b>Weight (packing per unit)</b>	<b>[kg]</b>	<b>0,130</b>	<b>0,130</b>	<b>0,105</b>

## Dimensions (in mm)





**T62 - Stainless steel spring actuator**

**T7• - Adjustable Ø 3 rod lever**  
T71: stainless steel rod  
T72: fiberglass rod

**T7• - Adjustable Ø 6 rod lever**  
T73: nylon rod  
T74: fiberglass rod

**T75 - Adjustable square steel rod lever**

**T91: Stainless steel spring multidirectional actuator**

1,5  
0,10 / -

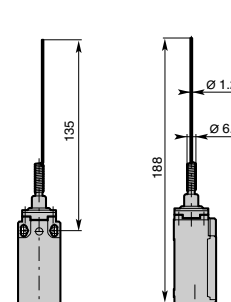
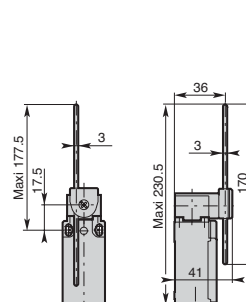
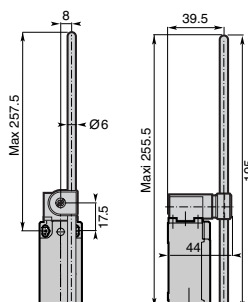
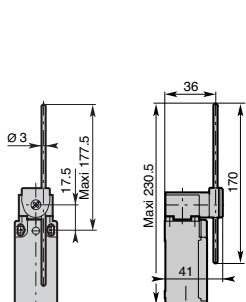
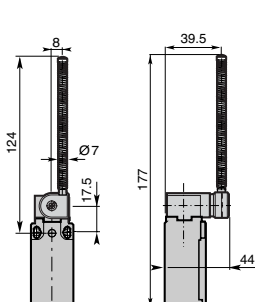
1,5  
0,10 / 0,32

1,5  
0,10 / 0,32

1,5  
0,10 / 0,32

1,0  
0,12 / -

<p><b>AP•T62Z11</b></p>	<p><b>AP•T7•Z11</b></p>	<p><b>AP•T7•Z11</b></p>	<p><b>AP•T75Z11</b></p>	<p><b>AP•T91Z11</b></p>
<p><b>AP•T62X11</b></p>	<p><b>AP•T7•X11</b></p>	<p><b>AP•T7•X11</b></p>	<p><b>AP•T75X11</b></p>	<p><b>AP•T91X11</b></p>
<p><b>AP•T62Y11</b></p>	<p><b>AP•T7•Y11</b></p>	<p><b>AP•T7•Y11</b></p>	<p><b>AP•T75Y11</b></p>	<p><b>AP•T91Y11</b></p>
<p><b>AP•T62W02</b></p>	<p><b>AP•T7•W02</b></p>	<p><b>AP•T7•W02</b></p>	<p><b>AP•T75W02</b></p>	<p><b>AP•T91W02</b></p>
<p><b>AP•T62W20</b></p>	<p><b>AP•T7•W20</b></p>	<p><b>AP•T7•W20</b></p>	<p><b>AP•T75W20</b></p>	<p><b>AP•T91W20</b></p>
<p><b>AP•T62Z02</b></p>	<p><b>AP•T7•Z02</b></p>	<p><b>AP•T7•Z02</b></p>	<p><b>AP•T75Z02</b></p>	<p><b>AP•T91Z02</b></p>
<b>0,105</b>	<b>0,105</b>	<b>0,115</b>	<b>0,105</b>	<b>0,080</b>



## Electrical Connection

- AP1:** one cable inlet for PG 13,5 Cable Gland
- AP2:** one cable inlet by 1/2" NPT Plastic Adapter
- AP3:** one cable inlet for PG11 Cable Gland
- AP4:** one cable inlet for M16 x 1,5 Cable Gland
- AP5:** one cable inlet for M20 x 1,5 Cable Gland



## Operating Head Type

**T92: Multidirectional nylon actuator with stainless steel spring**

**T93: Stainless steel spring multidirectional actuator**

**T98: Pull action with ring**

Conformity /  $\text{N.C.}$  (N.C. contact with positive opening operation)  
Max actuation speed [m/s]  
Min. force [N] or torque [Nm]: actuation / positive opening operation

1,0  
0,12 / -

1,0  
0,12 / -

0,5  
30 / -

## Additional Technical Datas

	Order Code	AP•T92Z11	AP•T93Z11	AP•T98Z11A
<b>Z11</b> Snap Action Contacts (1NO + 1NC)	Operation Diagram			
<b>X11</b> Non overlapping Slow Action Contacts (1NO + 1NC)	Operation Diagram			
<b>Y11</b> Overlapping Slow Action Contacts (1NO + 1NC)	Operation Diagram			
<b>W02</b> Slow Action Contacts (2NC)	Operation Diagram			
<b>W20</b> Slow Action Contacts (2NO)	Operation Diagram			
<b>Z02</b> Snap Action Contacts (2NC)	Operation Diagram			
<b>Weight (packing per unit)</b>	<b>[kg]</b>	<b>0,085</b>	<b>0,090</b>	<b>0,115</b>

## Dimensions (in mm)

