

# S-ZP SERIES

## High rigidity pad (ø32 ~ ø340)

### Dimension

(mm)

High rigidity pad										Pad material: NBR(N) Silicone(S)																			
HB Bellows type 2 32					HB Bellows type 2 40,50					HB Bellows type 2 63,80																			
Model		Weight (g)		Model		Weight (g)		Model		Weight (g)		Model		Weight (g)		Model		Weight (g)											
S-ZP32HB		9.1		S-ZP40HB		16.7		S-ZP50HB		32.1		S-ZP63HB		66		S-ZP80HB		101.2											
HB Bellows type 2 100,125										HB Bellows type 2 150																			
Model		Weight (g)		Model		Weight (g)		Model		Weight (g)		Model		Weight (g)		Model		Weight (g)											
S-ZP100HB		225		S-ZP125HB		414		S-ZP150HB		421		S-ZP150HB		421		S-ZP150HB		421											

Joint components																					
Bulkhead adapter male thread A14,A16										Adapter male thread B8,B10,B12											
Model		A		B		C		D		E		øF		G		Q		Weight (g)			
ZPTH-A14		M14x1		M10x1.5		19		19		5		6		8		30		46.5			
ZPTH-A14-3		M14x1		M10x1.5		19		19		5		6		8		45		59.7			
ZPTH-A16		M16x1.5		M16x1.5		22		24		6		8		8.5		30		70.5			
Model		A		B		øC		Weight (g)		Model		A		B		øC		Weight (g)			
ZPX1H-B8		M8x1.25		M10x1.5		5		110.5		ZPX1H-B10		M10x1.5		M10x1.5		5		106.3			
ZPX1H-B12		M12x1.75		M12x1.75		6		106.5		ZPX2H-B10		M10x1.5		M12x1.75		6		185			
ZPX2H-B12		M12x1.75		M12x1.75		6		182.5		ZPX2H-B12		M12x1.75		M12x1.75		6		182.5			
Plug										Carbon steel nickel plated plug											
Model		A		B		øC		Weight (g)		Model		A		B		C		L		Weight (g)	
D-01B		G1/8		1.8		10.8		0.6		D-01		G1/8		4		5		8		3	
D-02B		G1/4		1.6		13.9		1.1		D-02		G1/4		5		6		8.4		6	
D-03		G3/8		1.6		13.9		1.1		D-03		G3/8		7		8		11.4		13.5	
D-04		G1/2		1.6		13.9		1.1		D-04		G1/2		7.2		10		13.9		26	

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### Dimension

(mm)

High rigidity pad adapter						
ZPT0	Vertical vacuum port with female thread	B5,B8,B10				
Model	A	Weight (g)	Applicable pad			
ZPT0-B5	M5x0.8	15.6				
ZPT0-B8	M8x1.25	14.8				
ZPT0-B10	M10x1.5	13.8				
ZPT0	Vertical vacuum port with male thread	A14				
Model	L	Weight (g)	Applicable pad			
ZPT0-A14	25	61.3				
ZPT0-A14-3	40	74.5				
ZPX0	Lateral vacuum port with female thread	B8,B10,B12				
Model	A	Joint components n2	Weight (g)	Applicable pad		
ZPX0-B01-B8	M8x1.25	ZPX1H-B8	124.3			
ZPX0-B01-B10	M10x1.5	ZPX1H-B10	120.1			
ZPX0-B01-B12	M12x1.75	ZPX1H-B12	120.3			
ZPR0H	Lateral vacuum port with male thread	A6,A8				
Model	A	E	L	Joint components h1	Weight (g)	Applicable pad
ZPR0H-◇-A6	M6x1.0	8	66	ZPRL-◇-A6	47.5	
ZPR0H-◇-A8	M8x1.0	12	56	ZPRL-◇-A8	49.8	
◇ Vacuum port connection: 04,06,08						
ZPR0H	Lateral vacuum port with female thread	B5,B6,B8				
Model	A	D	Joint components h2	Weight (g)	Applicable pad	
ZPR0H-◇-B5	M5x0.8	5	ZPRL-◇-B5	40.1		
ZPR0H-◇-B6	M6x1.0	6	ZPRL-◇-B6	39.8		
ZPR0H-◇-B8	M8x1.25	8	ZPRL-◇-B8	38.2		
◇ Vacuum port connection: 04,06,08						
ZPT1	Vertical vacuum port with female thread	B8,B10				
Model	A	Weight (g)	Applicable pad			
ZPT1-B8	M8x1.25	18.4				
ZPT1-B10	M10x1.5	17.6				
ZPT1	Vertical vacuum port with male thread	A14				
Model	A	Weight (g)	Applicable pad			
ZPT1-A14	25	64.1				
ZPT1-A14-3	40	77.3				
ZPX1	Lateral vacuum port with female thread	B8,B10,B12				
Model	A	Joint components n2	Weight (g)	Applicable pad		
ZPX1-B01-B8	M8x1.25	ZPX1H-B8	128.1			
ZPX1-B01-B10	M10x1.5	ZPX1H-B10	123.9			
ZPX1-B01-B12	M12x1.75	ZPX1H-B12	124.1			
ZPR1H	Lateral vacuum port with male thread	5,A8				
Model	A	E	L	Joint components h1	Weight (g)	Applicable pad
ZPR1H-◇-A6	M6x1.0	8	66	ZPRL-◇-A6	51.1	
ZPR1H-◇-A8	M8x1.0	12	56	ZPRL-◇-A8	53.4	
◇ Vacuum port connection: 04,06,08						
ZPR1H	Lateral vacuum port with female thread	B6,B8				
Model	A	D	Joint components h2	Weight (g)	Applicable pad	
ZPR1H-◇-B6	M6x1.0	6	ZPRL-◇-B6	43.4		
ZPR1H-◇-B8	M8x1.25	8	ZPRL-◇-B8	41.8		
◇ Vacuum port connection: 04,06,08						

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## High rigidity pad (ø32 ~ ø340)

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(mm)

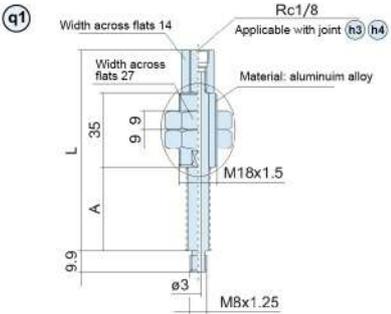
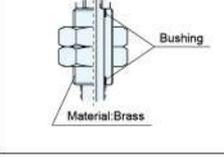
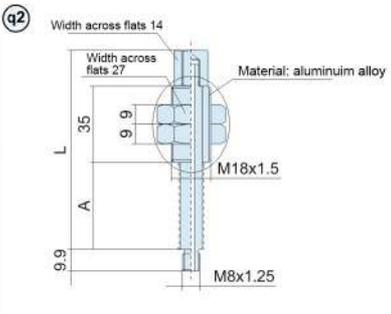
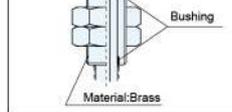
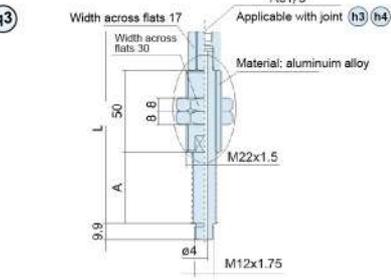
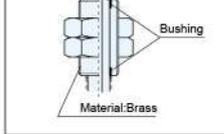
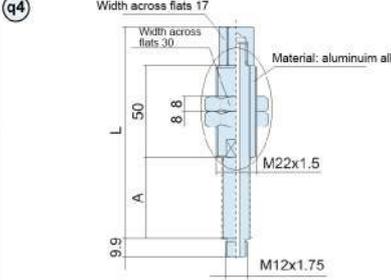
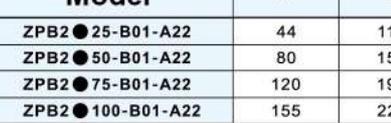
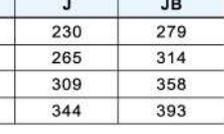
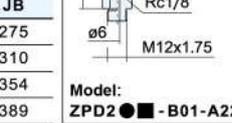
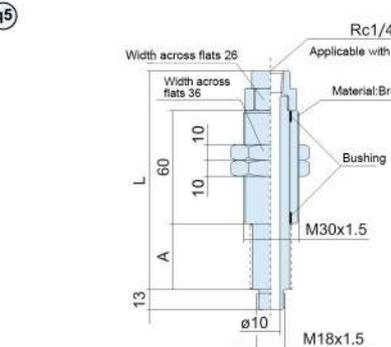
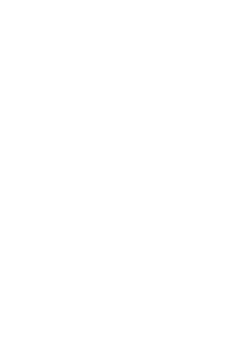
High rigidity pad adapter																				
ZPT2	Vertical vacuum port with female thread	B8,B10,B12,B16																		
(p1)																				
	<table border="1"> <thead> <tr> <th>Model</th> <th>A</th> <th>Weight (g)</th> <th>Applicable pad</th> </tr> </thead> <tbody> <tr> <td>ZPT2-B8</td> <td>M8x1.25</td> <td>50.6</td> <td rowspan="4">J1 J2</td> </tr> <tr> <td>ZPT2-B10</td> <td>M10x1.5</td> <td>47.8</td> </tr> <tr> <td>ZPT2-B12</td> <td>M12x1.75</td> <td>46.2</td> </tr> <tr> <td>ZPT2-B16</td> <td>M16x1.5</td> <td>42.5</td> </tr> </tbody> </table>	Model	A	Weight (g)	Applicable pad	ZPT2-B8	M8x1.25	50.6	J1 J2	ZPT2-B10	M10x1.5	47.8	ZPT2-B12	M12x1.75	46.2	ZPT2-B16	M16x1.5	42.5		
Model	A	Weight (g)	Applicable pad																	
ZPT2-B8	M8x1.25	50.6	J1 J2																	
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ZPT2-B12	M12x1.75	46.2																		
ZPT2-B16	M16x1.5	42.5																		
ZPT2	Vertical vacuum port with male thread	A16																		
(p2)																				
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Model	Weight (g)	Applicable pad																		
ZPT2-A16	113	J1 J2																		
ZPX2	Lateral vacuum port with female thread	B10,B12																		
(p3)																				
	<table border="1"> <thead> <tr> <th>Model</th> <th>A</th> <th>Joint components n2</th> <th>Weight (g)</th> <th>Applicable pad</th> </tr> </thead> <tbody> <tr> <td>ZPX2-B01-B8</td> <td>M8x1.25</td> <td>ZPX1H-B8</td> <td>158.3</td> <td rowspan="3">J1 J2</td> </tr> <tr> <td>ZPX2-B01-B10</td> <td>M10x1.5</td> <td>ZPX1H-B10</td> <td>154.1</td> </tr> <tr> <td>ZPX2-B01-B12</td> <td>M12x1.75</td> <td>ZPX1H-B12</td> <td>154.3</td> </tr> </tbody> </table>	Model	A	Joint components n2	Weight (g)	Applicable pad	ZPX2-B01-B8	M8x1.25	ZPX1H-B8	158.3	J1 J2	ZPX2-B01-B10	M10x1.5	ZPX1H-B10	154.1	ZPX2-B01-B12	M12x1.75	ZPX1H-B12	154.3	
Model	A	Joint components n2	Weight (g)	Applicable pad																
ZPX2-B01-B8	M8x1.25	ZPX1H-B8	158.3	J1 J2																
ZPX2-B01-B10	M10x1.5	ZPX1H-B10	154.1																	
ZPX2-B01-B12	M12x1.75	ZPX1H-B12	154.3																	
ZPT3	Vertical vacuum port with female thread	B12,B16																		
(p4)																				
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Model	A	Weight (g)	Applicable pad																	
ZPT3-B12	M12x1.75	134	K1 K2																	
ZPT3-B16	M16x1.5	130.7																		
ZPT3	Vertical vacuum port with male thread	A16																		
(p5)																				
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Model	Weight (g)	Applicable pad																		
ZPT3-A16	201.2	K1 K2																		
ZPX3	Lateral vacuum port with female thread	B10,B12																		
(p6)																				
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Model	A	Joint components n2	Weight (g)	Applicable pad																
ZPX3-B01-B10	M10x1.5	ZPX2H-B10	319	K1 K2																
ZPX3-B01-B12	M12x1.75	ZPX2H-B12	316.5																	
ZPT4	Vertical vacuum port with female thread	B16,B18																		
(p7)																				
	<table border="1"> <thead> <tr> <th>Model</th> <th>A</th> <th>Weight (g)</th> <th>Applicable pad</th> </tr> </thead> <tbody> <tr> <td>ZPT4-B16</td> <td>M16x1.5</td> <td>314</td> <td rowspan="2">M1 M2</td> </tr> <tr> <td>ZPT4-B18</td> <td>M18x1.5</td> <td>311</td> </tr> </tbody> </table>	Model	A	Weight (g)	Applicable pad	ZPT4-B16	M16x1.5	314	M1 M2	ZPT4-B18	M18x1.5	311								
Model	A	Weight (g)	Applicable pad																	
ZPT4-B16	M16x1.5	314	M1 M2																	
ZPT4-B18	M18x1.5	311																		
ZPT5	Vertical vacuum port with female thread	B18																		
(p8)																				
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Model	Weight (g)	Applicable pad																		
ZPT5-B18	786	N1																		
ZPT6	Vertical vacuum port with female thread	B04																		
(p9)																				
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Model	Weight (g)	Applicable pad																		
ZPT6-B04	954	O1																		

# S-ZP SERIES

## High rigidity pad (ø32 ~ ø340) Height compensator

### Dimension

(mm)

Height compensator																															
<b>ZPB1</b>	<b>Port height compensator</b>	<b>25,50,75</b>	<b>Height compensator type JB</b>																												
																															
<table border="1"> <thead> <tr> <th rowspan="2">Model</th> <th rowspan="2">A</th> <th rowspan="2">L</th> <th colspan="2">● Weight (g)</th> </tr> <tr> <th>J</th> <th>JB</th> </tr> </thead> <tbody> <tr> <td>ZPB1 ● 25-B01-A18</td> <td>40</td> <td>95.5</td> <td>139</td> <td>167</td> </tr> <tr> <td>ZPB1 ● 50-B01-A18</td> <td>75</td> <td>130.5</td> <td>156</td> <td>184</td> </tr> <tr> <td>ZPB1 ● 75-B01-A18</td> <td>111</td> <td>166.5</td> <td>175</td> <td>203</td> </tr> </tbody> </table>		Model	A	L	● Weight (g)		J	JB	ZPB1 ● 25-B01-A18	40	95.5	139	167	ZPB1 ● 50-B01-A18	75	130.5	156	184	ZPB1 ● 75-B01-A18	111	166.5	175	203								
Model	A				L	● Weight (g)																									
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ZPB1 ● 25-B01-A18	40	95.5	139	167																											
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<table border="1"> <thead> <tr> <th rowspan="2">Model</th> <th rowspan="2">A</th> <th rowspan="2">L</th> <th colspan="2">● Weight (g)</th> </tr> <tr> <th>J</th> <th>JB</th> </tr> </thead> <tbody> <tr> <td>ZPD1 ● 25-A18</td> <td>40</td> <td>91</td> <td>136</td> <td>164</td> </tr> <tr> <td>ZPD1 ● 50-A18</td> <td>75</td> <td>126</td> <td>153</td> <td>181</td> </tr> <tr> <td>ZPD1 ● 75-A18</td> <td>111</td> <td>162</td> <td>173</td> <td>200</td> </tr> </tbody> </table>		Model	A	L	● Weight (g)		J	JB	ZPD1 ● 25-A18	40	91	136	164	ZPD1 ● 50-A18	75	126	153	181	ZPD1 ● 75-A18	111	162	173	200								
Model	A				L	● Weight (g)																									
		J	JB																												
ZPD1 ● 25-A18	40	91	136	164																											
ZPD1 ● 50-A18	75	126	153	181																											
ZPD1 ● 75-A18	111	162	173	200																											
<p>● Height compensator type: Aluminium alloy(J) Brass(JB)</p>		<p>● Height compensator type: Aluminium alloy(J) Brass(JB) ■ Buffer stroke(mm): 25,50,75</p>																													
<b>ZPB2</b>	<b>Port height compensator</b>	<b>25,50,75,100</b>	<b>Height compensator type JB</b>																												
																															
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Model	A				L	● Weight (g)																									
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<b>ZPD2</b>	<b>Closed height compensator</b>	<b>25,50,75,100</b>	<b>Height compensator type JB</b>																												
																															
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