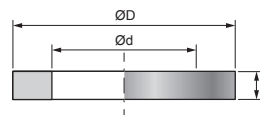


Seals for Temperature Sensors



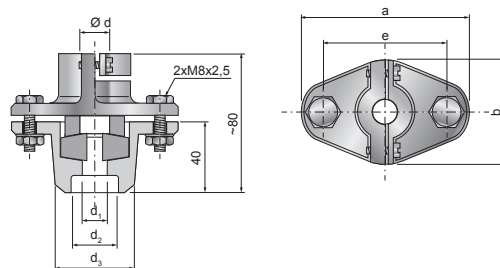
Type	Description	
• TT	Seal for temperature sensor	
Code	For thread	Dimensions (ØD/ Ød - t)
• 20	M20x1.5	Ø 24/ Ø 20 - 1.5
• 21	G1/2"	Ø 25/ Ø 21 - 1.5
• 27	M27x2, G3/4"	Ø 32/ Ø 27 - 2
• 30	M30x2	Ø 36/ Ø 30 - 2
• 33	M33x2, G1"	Ø 39/ Ø 33 - 2
99	Other	
Code	Material	Tmax
• CU	Copper (annealed)	300 °C
• AL	Aluminium	300 °C
MP	Metalloplastic	300 °C
9	Other	

Example of order: TT 21 CU

- ... Ex stock version

Fixing Shift Flanges

- For fixing of sensor by stem or protective tube
- Sealing element: ceramic ligament
- Max. operating pressure 100 kPa, max. operating temperature 300 °C



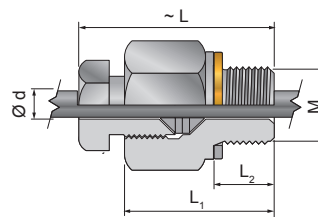
Type	Dimensions [mm]								
	d		d ₁		d ₂	d ₃	b	a	e
	Nominal	Actual	Nominal	Actual					
• UP 01	14	15	14	16	26	35	50	75	55
• UP 02	15	16	15	16	26	35	50	75	55
• UP 03	22	23	22	23	33	40	65	90	70
• UP 04	32	33	26	28	36	45	65	90	70
• UP 05	32	33	32	33	42	51	65	90	70

Example of order: UP 02

- ... Ex stock version

Fixing Shift Pipe Unions

- For fixing of sensor by stem or protective tube
- Sealing element: ceramic ligament
- Max. operating pressure 100 kPa, max. operating temperature 400 °C



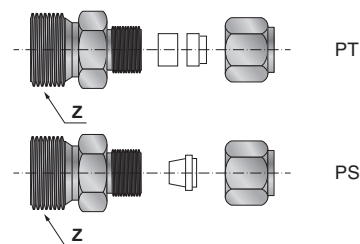
Type ¹⁾	Dimensions [mm]							
	d		Thread	L	L ₁	L ₂	OK1	OK2
	Nominal	Actual						
• UPS 3 M12	3	3.5	M12x1.5	36	27	10	14	19
• UPS 4,5 M12	4.5	5	M12x1.5	36	27	10	14	19
• UPS 6 M20	6	6.5	M20x1.5	47	35	15	19	27
• UPS 8 M20	8	8.5	M20x1.5	47	35	15	19	27
• UPS 11 M20	11	11.5	M20x1.5	47	35	15	22	27
• UPS 14 M27	14	14.5	M27x2	61	43	20	27	32
• UPS 15 M27	15	15.5	M27x2	61	43	20	27	32
• UPS 20 M30	20	20.5	M30x2	72	50	24	32	36
• UPS 22 M33	22	22.5	M33x2	72	50	24	36	41
Code	Material							
• 0	1.0715 (galvanized)							
9	Other							

Example of order: UPS 6 M20 0

- ... Ex stock version

¹⁾ ... Only for mounting temperature sensors in not flowing gaseous medium, without mechanical stress of sensors, including shock and vibration. Use in places where is needed to change the submersion of the sensor and where due to high temperatures cannot be used pipe union PT.

Fixing Shift Pipe Unions for Sheath Temperature Sensors



Type	Description		
• P	Fixing shift pipe union for sheath temperature sensor		
Code	Version	T _{MAX}	P _{MAX}
• S ¹⁾	With stainless steel cutting ring, pipe union of stainless steel material	600 °C / 0.1 MPa	4 MPa / 100 °C
T ²⁾	With PTFE sealing ring, pipe union of stainless steel material	200 °C / 0.1 MPa	0.6 MPa / 100 °C
Code	Connection thread Z		
• M01	M8x1	- only for sensors with diameter sheath 1 to 3 mm	
• M02	M12x1.5	- only for sensors with diameter sheath 3 to 6 mm	
M03	M16x1.5	- only for sensors with diameter sheath 3 to 6 mm	
• M04	M20x1.5	- only for sensors with diameter sheath 3 to 6 mm	
G01	G1/8"	- only for sensors with diameter sheath 1 to 3 mm	
G02	G1/4"	- only for sensors with diameter sheath 3 to 6 mm	
G03	G3/8"	- only for sensors with diameter sheath 3 to 6 mm	
• G04	G1/2"	- only for sensors with diameter sheath 3 to 6 mm	
N01	1/8" NPT	- only for sensors with diameter sheath 1 to 3 mm	
N02	1/4" NPT	- only for sensors with diameter sheath 3 to 6 mm	
N03	3/8" NPT	- only for sensors with diameter sheath 3 to 6 mm	
N04	1/2" NPT	- only for sensors with diameter sheath 3 to 6 mm	
Code	Outer diameter of stem sensor		
D15	1.5 mm		
D20	2 mm		
• D30	3 mm		
D45	4.5 mm		
• D60	6 mm		

Example of order: PS M01 D30

• ... Ex stock version

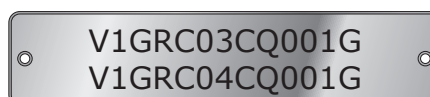
¹⁾ ... Adjustable nominal length only for first time of mounting.

²⁾ ... Always adjustable nominal length.

BZS Stainless Steel Tags for Attachment

Suitable for:

- KKS code (TAG)
- Name of measuring site
- Number of cables, etc.



Type	Description		
BZS	Stainless steel tag for attachment		
Code	Dimensions [mm]	Material	Number of holes for mounting
1	70x15x1	1.4401	1
2	70x20x1	1.4401	1
3	135x42x1	1.4301	2
4	195x67x1	1.4301	2
5	88x18x1	1.4401	2
9	Other		
Code	Character height		
5	5 mm (standard)		
...	Other		

Example of order: BZS2 5