

Sureline® product range supplements

Highest safety for flange connections

The effective protection for your operation personnel and equipment.

the applicable directives and guideline for safety and accident prevention. (i.e. European Pressure Equipment Directive, national laws for safe operation of plants, BG Chemie m 004, etc.) demand protection against uncontrolled spray-out of dangerous media at flanged connection.

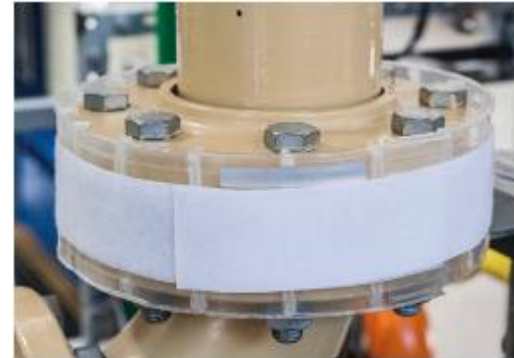
In case of leakage, the safety tape deflects the spray of media and in doing so reduces the line pressure to atmospheric. For more than 20 years this safety tape is well established in the industry. Now its assembly is even more easy due to a hook-and-loop fastener. This design is patent registered (EU patent number 2746636) and exclusively marketed by SGL Group under the trade name "Tayson KLETT".

Advantages

- Extremely easy and quick assembly;
- Closure Allows repeated opening/closing and re-tightening;
- Ideal for Explosion-protected areas (electric screw drivers not required);
- Very long lifetime;
- UV and impact resistant – Suitable for outdoor installation.

How does it work?

In case of pipe flange failure, the safety tape reduces the pressure of the leaking media and reduces it to atmospheric pressure. An uncontrolled spray-out of the dangerous media over a wide area in the plant will be prevented by the safety tape. The safety tape can be used also for vertical pipe installations: pins on both sides of the tape provide a good fit on the flanges.



↑ POLYFLURON product range supplements: safety tape



↑ Assembly of the safety tape flange connection

Technical data

- Material: Polypropylene, good chemical resistance UV and impact resistant.
- Operation temperatures Flange surface temp: -40°C to +110°C
- Rolled tape of 50m continuous length

Assembly

Cut required length depending on flange circumference of safety tape "Tayson Klett" in right width according to the table above. The ends should be overlapping with approx. 40-60mm/1.6-2.4 in. Cut a piece of the included hook-and loop tape. recommended length approx. ¼ of circumference. The hook-and-loop tape can be fixed already at one end for better handling. Place the safety tape tightly around the flange and press the hook-and-loop tape onto the overlapping area.

DIN 2501 PN 10

DN [mm]	Units	tape length	tape width		
			fixed/fixed	fixed/rotat.	2 rotat.
25	mm	420	50	50	70
32	mm	500	50	50	70
40	mm	530	50	50	70
50	mm	580	50	70	70
65	mm	640	50	70	70
80	mm	690	50	70	100
100	mm	750	50	70	100
125	mm	850	70	70	100
150	mm	960	70	70	100
200	mm	1130	70	100	100
250	mm	1300	70	100	100
300	mm	1460	70	100	140
350	mm	1650	70	100	140
400	mm	1840	100	100	140
450	mm	1995	100	*	*
500	mm	2170	100	140	140
600	mm	2510	140	180	180

* Collars for rotating flanges are not standardized

ANSI B 16.5 150 lb.

DN [in]	Units	tape length	tape width		
			fixed/fixed	fixed/rotat.	2 rotat.
1	mm	400	50	50	70
1¼	mm	430	50	50	70
1½	mm	460	50	70	70
2	mm	540	50	70	100
2½	mm	620	50	70	100
3	mm	660	70	70	100
4	mm	780	70	100	100
5	mm	860	70	100	100
6	mm	940	70	100	100
8	mm	1140	70	100	140
10	mm	1340	70	100	140
12	mm	1580	100	100	140
14	mm	1740	100	140	140
16	mm	1940	100	140	140
18	mm	2060	100	140	140
20	mm	2260	100	140	180
24	mm	2620	140	140	180

Technical specifications are subject to change without notice

The data contained herein represent the current state of our product knowledge and are intended to provide general information on our products and their application spectra. In view of the variety and large number of application possibilities, these data should be regarded merely as general information that gives no guarantee of any specific properties and/or suitability of those products for any particular application. Consequently, when ordering a product, please contact us for specific information on the properties required for the application concerned, our technical service will supply a profile of characteristics for your specific application requirements without delay.