

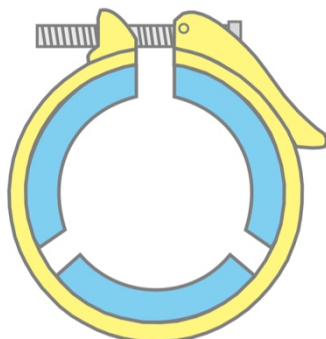
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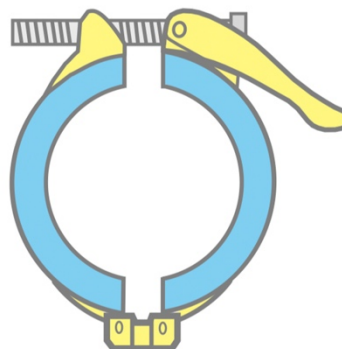
**SPECS &
INFORMATION**

V-Band Profielklemmen

2 Soorten in de SVS uitvoering: (SVS is met hevel)

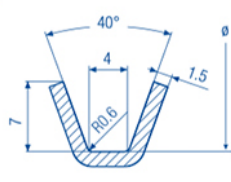
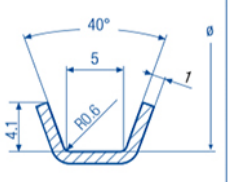
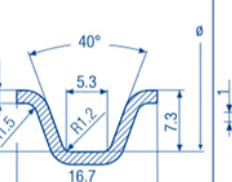
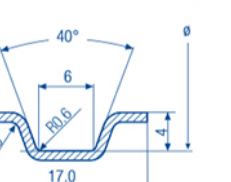
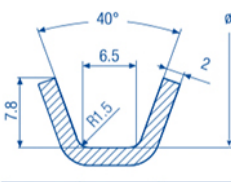
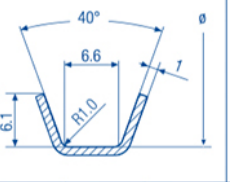
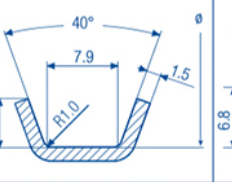
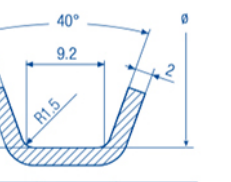
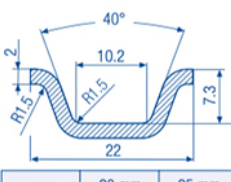
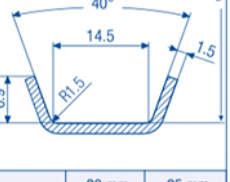


1-delig, 3 segmenten
Binnenprofielbereik: 82 – 300 mm

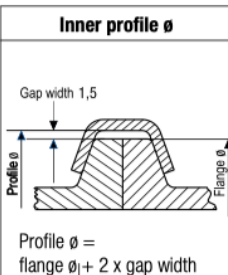
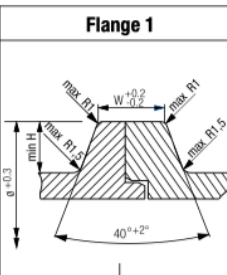
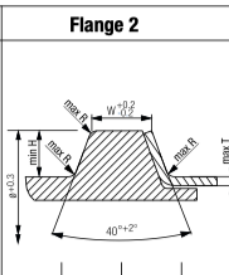
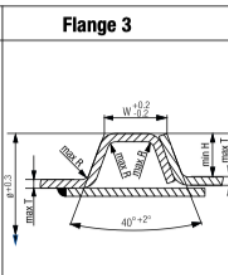
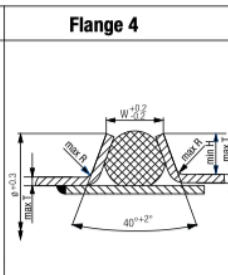


2-delig, 2 segmenten
Binnenprofielbereik: 200 – 500 mm

10 Profieltypes

4.0 b $\geq \varnothing 89$			5.0 a $\geq \varnothing 82$			5.3 b $\geq \varnothing 110$			6.0 a $\geq \varnothing 100$		
											
	20 mm	25 mm		20 mm	25 mm		20 mm	25 mm		20 mm	25 mm
STC	•		STC	•		STC	•		STC	•	
QRC	•		QRC	•		QRC	•		QRC	•	
6.5 a $\geq \varnothing 120$			6.6 b $\geq \varnothing 100$			7.9 b $\geq \varnothing 100$			9.2 a $\geq \varnothing 100$		
											
	20 mm	25 mm		20 mm	25 mm		20 mm	25 mm		20 mm	25 mm
STC		•	STC	•		STC	•		STC		•
QRC		•	QRC	•		QRC	•		QRC		•
10.2 a $\geq \varnothing 100$			14.5 a $\geq \varnothing 105$								
											
	20 mm	25 mm		20 mm	25 mm						
STC		•	STC		•						
QRC		•	QRC		•						

Voorbeelden van Flensstructuren

Inner profile ϕ		Flange 1		Flange 2				Flange 3				Flange 4			
															
Profile type	Profile ϕ (mm)	W (mm)	H (mm)	W (mm)	H (mm)	R (mm)	T (mm)	W (mm)	H (mm)	R (mm)	T (mm)	W (mm)	H (mm)	R (mm)	T (mm)
4.0b	≥ 100	5.1	7.5	5.1	8	2	2	5.1	7.5	1	1	Not recommended			
5.0a	≥ 100	6.1	4.6	6.1	4.6	1.5	1.5	6.1	4.6	1	1	6.1	4.6	1.5	1.5
5.3b	≥ 110	6.4	7.3	6.4	7.8	2	2	6.4	7.3	1.5	1.5	6.4	7.8	2	2
6.0a	≥ 125	7.1	4	7.1	4	1.5	1.5	Not recommended				7.1	4	1.5	1.5
6.5a	≥ 130	7.6	8.3	7.6	8.8	2	2	7.6	8.3	1.5	1.5	7.6	8.8	2	2
6.6b	≥ 100	7.7	6.6	7.7	6.6	1.5	1.5	7.7	6.6	1.5	1.5	7.7	6.6	1.5	1.5
7.9b	≥ 100	9	5.7	9	6.2	2	2	9	5.7	1.5	1.5	9	6.2	2	2
9.2a	≥ 100	10.3	7.3	10.3	7.8	2	2	10.3	7.8	2	2	10.3	7.8	2	2
10.2a	≥ 130	11.3	7.3	11.3	7.8	2	2	11.3	7.8	2	2	11.3	7.8	2	2
14.5a	≥ 105	15.6	7.4	15.6	7.9	2	2	15.6	7.9	2	2	Not recommended			
Abbreviations: W = overall flange width H = overall flange height R = flange radius T = flange thickness															

Materiaal

W4

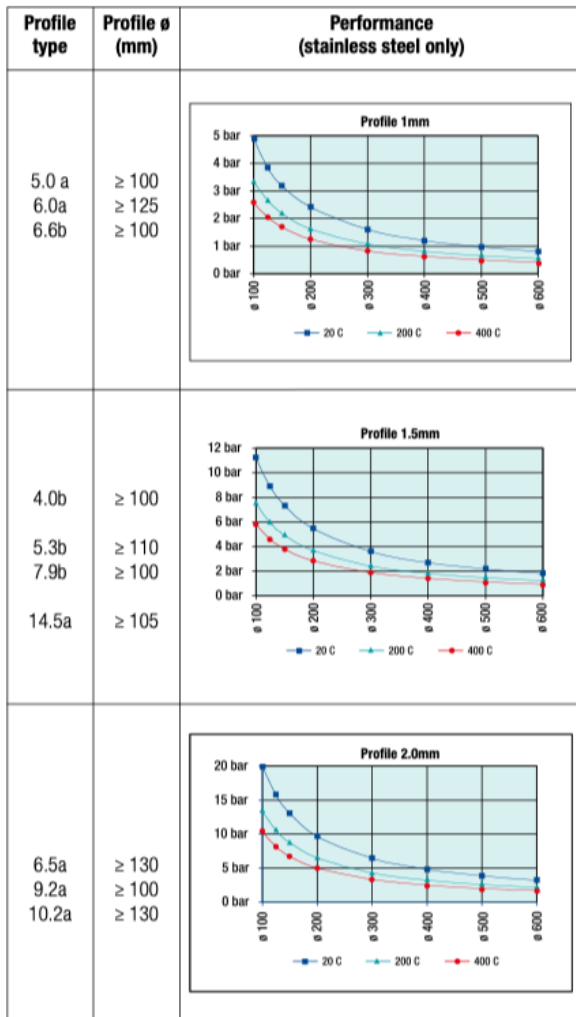
ISO	DIN	AISI	BS	AFNOR
X5 CrNi 18-10	1.4301	304	304 S 15	Z6 CN 18-09

Ook in W5 verkrijgbaar

Het profieltype bepaalt de bandbreedte en dikte:

- 20 mm bandbreedte, 1,0 mm banddikte heeft een bout van M6 x 70
- 25 mm bandbreedte, 1,5 mm banddikte heeft een bout van M6 x 70

Technische informatie



1. Determine the **application or test pressure**.
2. Determine the **max. operating temperature** to which the profile clamp will be exposed.
(Note: The profile clamps presented in this catalogue have been designed for a maximum operating temperature of 400°C.)
3. Calculate the required inner diameter of the profile as follows: outer flange diameter + 3 mm
4. Using the diagrams on the left. Check whether the profile thickness you have selected will be sufficient.
(Note: The result only represents an initial approximation based on static pressures and ideal operating conditions.)

Other factors may come into play, such as:

- Shape of and material used for sealing measures
- Roughness of flange surface
- Operating temperatures
- Bending moments
- Pressure surges/Vibrations
- Safety requirements

Based on these factors, you may decide that a thicker profile is necessary. The SVS closure is only recommended for low pressures (e.g., vacuum applications).

5. The tables below provide information on the tightening torques for the various closure types and bolt sizes.
- 5.1. Recommended tightening torque for STC & QRC-type closures:

Band width	Bolt	Tightening torque
20 mm	M 6	6 Nm
25 mm	M 8	12 Nm

- 5.2 SVS closing force:

Bolt	Force
M 6	≈ 80 Nm

Example of application:

- Operating pressure: 4 bar (static)
- Temperature: 20 °C
- Profile type: 4.0b
- Profile thickness: 1.5 mm
- Flange diameter: ø 197 mm
- Inner profile diameter: ø 200

Max. permissible pressure at 20 °C:

- 5.4 bar > 4 bar OK



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