

















CTS Tunnel Segment Gaskets according to STUVA Recommendations

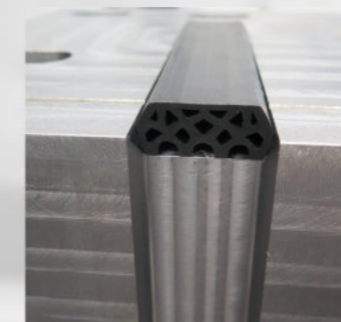
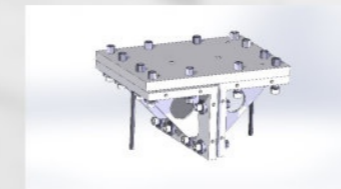
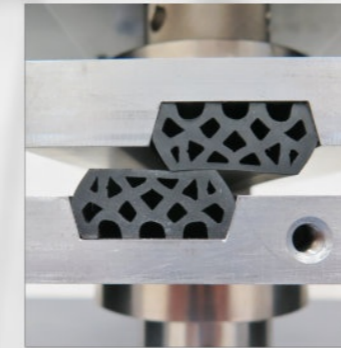
Working pressure range: 4 - 12 bar | Offset range: 10 - 20 mm | Range of restoring forces: F max. 30 - 90 KN/m

Recommended design for all applications from small sewer projects up to large traffic tunnels.
Tailored solutions for all requirements are being offered and developed by CTS

Standard	SH	Anchored	Anchored + SH
26 / 16.5 	26 / 16 	26 / 16.5 	26 / 16.5 
33 / 16 	33 / 16 	33 / 16 	33 / 16 
36 / 18 	36 / 18 	36 / 18 	36 / 18 
44 / 20 	44 / 20 	44 / 20 	44 / 20 

● = SH (Self Healing Profile)

CTS Development & Performance Testing according to STUVA Recommendations



CTS tunnel segment gaskets are developed according STUVA recommendations.

All standard dimensions are available in various types. Besides the standard types there are swelling/self-healing as well as anchored types.

CTS is capable of developing further tailor made solutions for all possible project requirements.

Material EPDM 70° IRHD			
	Test Method	required value by STUVA	Dimension
Hardness	DIN 53505 - ISO 7619	Class 66-75 IRHD	IRHD
Tensile Strength	DIN 53504 - ISO 37	≥ 9 Mpa	N / mm ²
Elongation at Break	DIN 53504 - ISO 37	> 200	%
Compression Set 22h/70°C	DIN 53517 - ISO 815	< 25	%
Relaxation Test 3 months/70°C	DIN 53509 - ISO 1431A	Less than 40% loss of stress	%
Restorative Capacity at 20°C	STUVA Recommendations 5.10	Less than 80%	%
Accelerated Aging 7d/70 °C acc. DIN 53508 - ISO 188			
Hardness	DIN 53505 - ISO 7619	-5 up to + 8	IRHD
Tensile Strength	DIN 53504 - ISO 37	-20 up to 10	%
Elongation at Break	DIN 53504 - ISO 37	-30 up to 10	%

The CTS laboratories are able to perform all tests on restoring forces, watertightness, relaxation tests as well as the testing of physical properties with similar reproducible environmental conditions for projects. CTS can provide all project related testing results as well as complete technical documentations for each profile and type.

