



Seal profiles / Profili brtvi

on demand / na zahtjev



Your Partner for Sealing Technology

Our Mission/Naša Misija

We will be the supply partner of first choice within our chosen markets, working globally through our local teams. We will build long-term partnerships with customers and suppliers by providing leading technology and excellent service. **We are determined to be different.**

Biti ćemo najkvalitetniji dobavljač na našim izabranim tržištima, djelujući globalno preko naših lokalnih timova. Cilj nam je izgraditi dugoročna partnerstva sa kupcima i dobavljačima osiguravajući vodeću tehnologiju i vrhunske usluge. **Odlučili smo biti drugačiji.**

Sealing technology/ Tehnologija brtvljenja

Trelleborg Sealing Solutions offers an outstandingly comprehensive sealing portfolio – a one-stop shop providing the best in elastomer, thermoplastic, PTFE and composite technologies.

Trelleborg Sealing Solutions nudi najširu paletu polimernih sustava zatvaranja – brtvi – jedinstveni dućan u kojemu nudimo najbolje od elastomera, termoplastičnih materijala, PTFE i složenih tehnoloških rješenja.



Industries/Industrije

Our solutions have featured in virtually every application conceivable within the aerospace, automotive and industrial industries.

Naša rješenja su prisutna u gotovo svim mogućim zamislivim aplikacijama, bilo da je riječ o zračnoj, automobilskoj industriji ili industrijama općenito.



A worldwide presence/ Prisutni širom svijeta

- Over 90 Facilities worldwide
- 27 Manufacturing sites
- Over 45 local Marketing Companies offering application engineering
- Strategically positioned materials and development laboratories
- Preko 90 jedinica širom svijeta
- 27 proizvodnih pogona
- Preko 45 lokalnih prodajnih tvrtki nudi primjenjeno inženjerstvo
- Strateski pozicionirane materijale i razvojne laboratorije

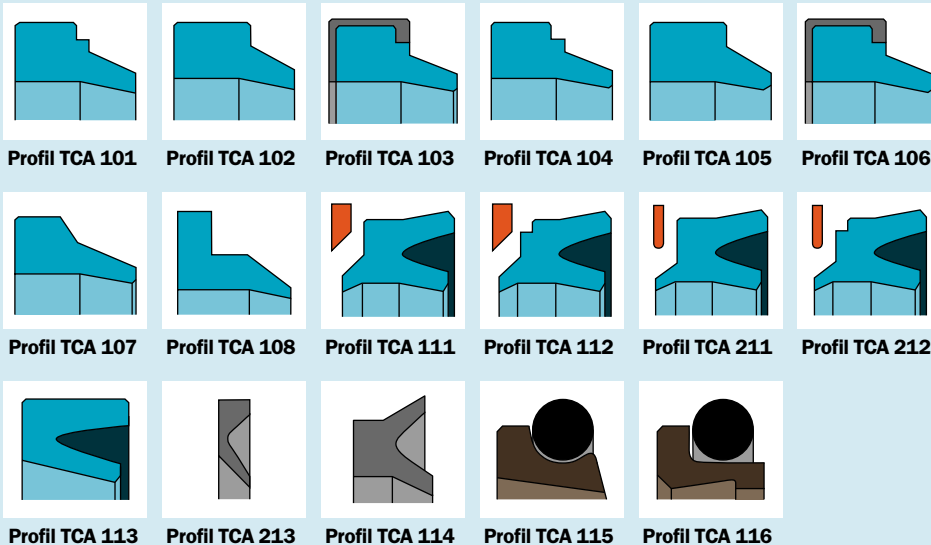
Commitment – To customers' needs long-term/ Predanost – prilagodljivost kupcu na dugi period

The aim of Trelleborg Sealing Solutions is to facilitate customers in the achievement of cost effective, durable solutions that match their specific business requirements and needs.

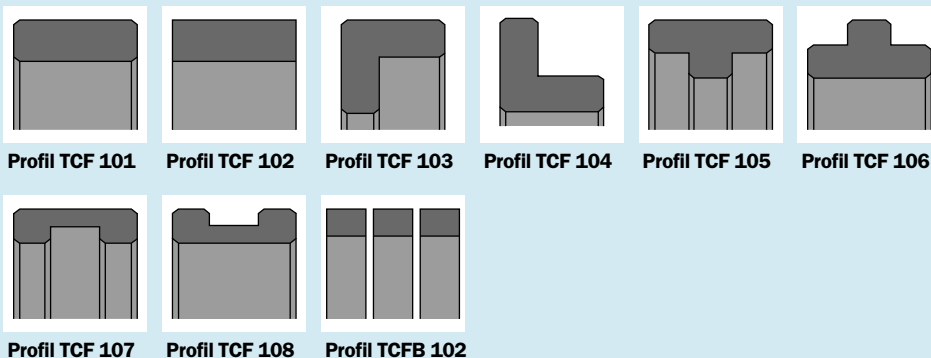
Trelleborg sealing Solutions ima za cilj olakšati klijentu optimiziranje troškova, ponuditi trajna rješenja koja odgovaraju njihovim specifičnim poslovnim zahtjevima i potrebama.



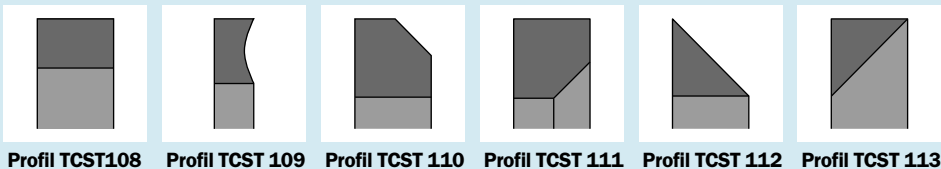
Wiper/Brisač



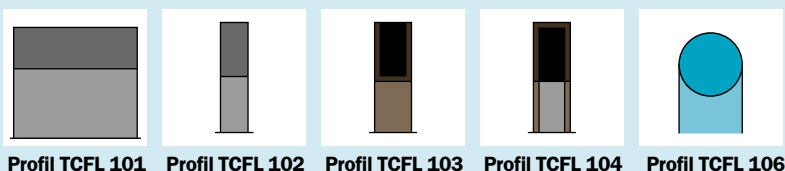
Guide Rings/Brtve vodilice



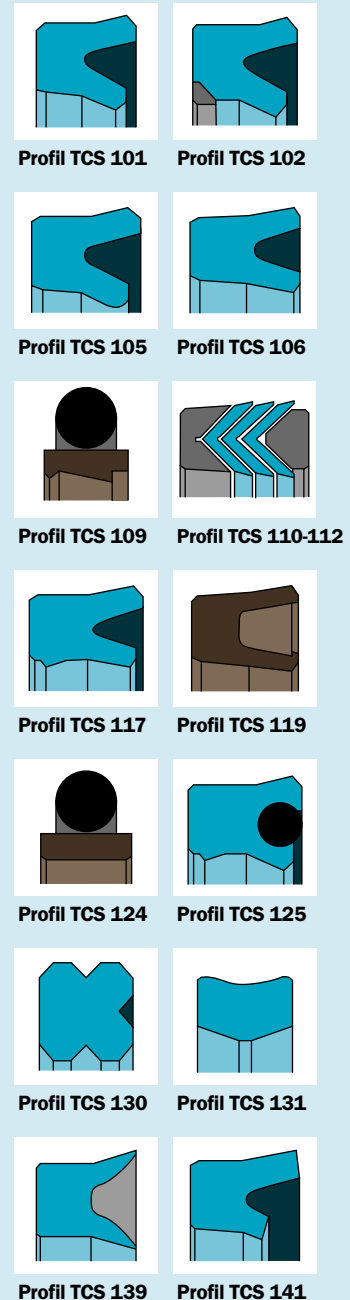
Backrings/Potporne Brtve



Gaskets/Poveznica



Rod Seals/Brtve za klip



Explanation/Objašnjenje

Wiper/Brisač:

Profiles TCA 103, TCA 106, TCA 114 – not snap in wiper/brisači sa kućištem
 TCA 104, TCA 105, TCA 106 –

Pneumatic/ Pnevumatski

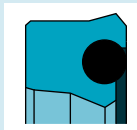
Rod Seal/Brtve za klipnjače:

Profile TCS 105 – Pnevumatski/Pnevumatski

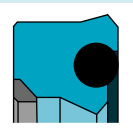
Piston Seal/Stap:

Profile TCK 105 – Pnevumatski/Pnevumatski

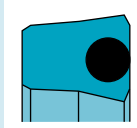
onjače



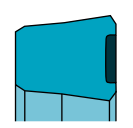
Profil TCS 103



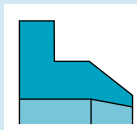
Profil TCS 104



Profil TCS 107



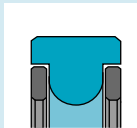
Profil TCS 108



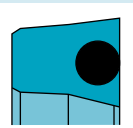
Profil TCS 116



Profil TCS 216



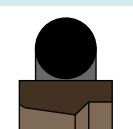
Profil TCS 120



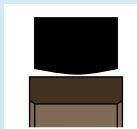
Profil TCS 121



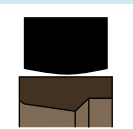
Profil TCS 126-128



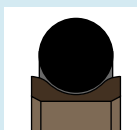
Profil TCS 129



Profil TCS 138



Profil TCS 238



Profil TCS 142

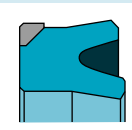
For special requirements (pressure - temperature - velocity - medium), please contact our consultancy service, so that suitable materials and designs can be recommended.

Za specijalne zahtjeve (pritisak-temperatura-brzina-medij), molimo obratite se našem servisu, kako bi Vam bili preporučeni pogodni materijali i nacrti.

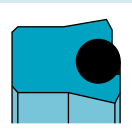
Piston Seals/Brtve za klip



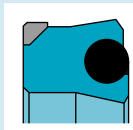
Profil TCK 101



Profil TCK 102



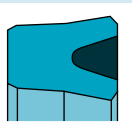
Profil TCK 103



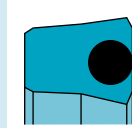
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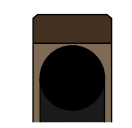
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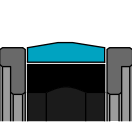
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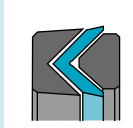
Profil TCK 107



Profil TCK 108



Profil TCK 109



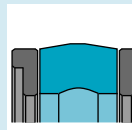
Profil TCK 110-112



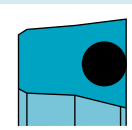
Profil TCK 116



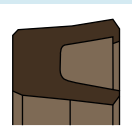
Profil TCK 216



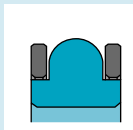
Profil TCK 117



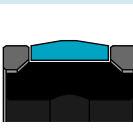
Profil TCK 118



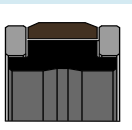
Profil TCK 119



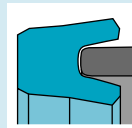
Profil TCK 120



Profil TCK 122



Profil TCK 222



Profil TCK 123



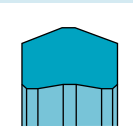
Profil TCK 124



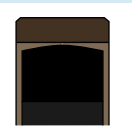
Profil TCK 125



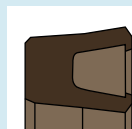
Profil TCK 126



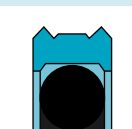
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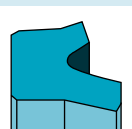
Profil TCK 138



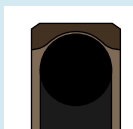
Profil TCK 139



Profil TCK 140

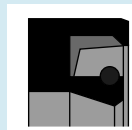


Profil TCK 141

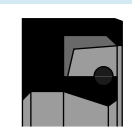


Profil TCK 142

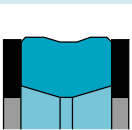
Rotary Seals/Rotacijske Brtve



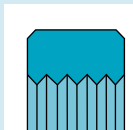
Profil TCR 101



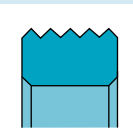
Profil TCR 102



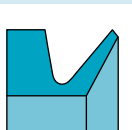
Profil TCR 103



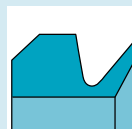
Profil TCR 104



Profil TCR 105



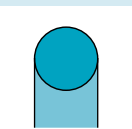
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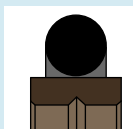
Profil TCR 107



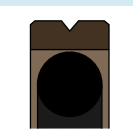
Profil TCR 108



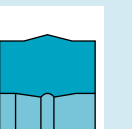
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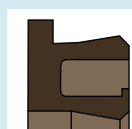
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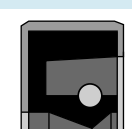
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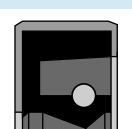
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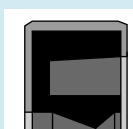
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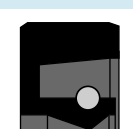
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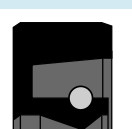
Profil TCR 202



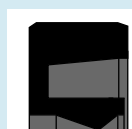
Profil TCR 203



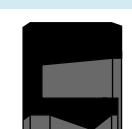
Profil TCR 204



Profil TCR 205



Profil TCR 206



Profil TCR 207

Datasheet/Tablica podataka

Material/Materijal			CH-PU	H-PU	H-PU D55	NBR	H-NBR
Properties/Osobine							
Hardness/Tvrdoća	DIN 53505	Shore A	95	95	97	85	85
Hardness/Tvrdoća	DIN 53505	Shore D	48	48	55		
Tensile strength/ Otpornost na rastezanje	DIN 53504 DIN 53455	N/mm ²	50	55	55	17	20
Elongation/Rastezljivost	DIN 53504 DIN 53455	%	450	350	330	150	200
Modulus 100 %/Modul 100%	DIN 53504	N/mm ²	14	16	18	11	10
Modulus 300 %/Modul 300%	DIN 53504	N/mm ²	28	35	39		
Rebound resilience/ Sposobnost vraćanja u prvobitni položaj	DIN 53512	%	35	35		20	26
Tear strength/Čvrstoća	DIN 53507 DIN 53515	N/mm ²	140	100	100	9	6
Spec. Gravity/Specifična težina	DIN 53479	g/cm ³	1,2	1,2	1,22	1,32	1,32
Abrasion/Struganje	DIN 53516	mm ³	24	18		130	130
Compression set/Kompresija	DIN 53517	%	27	24	27	6	12
70°/24 h 20 % Defo.							
Compression set/Kompresija	DIN 53517	%	35	33	35	5	14
100°/24 h 20 % Defo.							
Compression set/Kompresija	DIN 53517	%					22
150°/24 h 20 % Defo.							
Compression set/Kompresija							
175°/24 h 20 % Defo.							
Temperature min./Temperatura min.		°C	-35	-25	-20	-35	-20
Temperature max./Temperatura max.		°C	110	110	110	120	150
Temp. max. water/Max temperature vode steam/Para		°C		80	80		120
Temp. max. hot air/Temp. max vrući zrak		°C					180 short
Modulus of elasticity/Moduli elastičnosti	DIN 53457	N/mm ²					
FDA-approval/FDA-odobrenje							
special compound with FDA-approval/ Specijalna mješavina sa FDA- odobrenjem			•	•			•

Other compounds: PTFE D05, PTFE D46, PTFE Carbon, PTFE Ekonol

The test-results are average-results measured from test specimen and cannot be transferred to seal applications.

Ostali spojevi: PTFE D05, PTFE D46, PTFE Carbon, PTFE Ekonol

Test rezultati su prosječni rezultati odabranoga uzorka i ne mogu se odnositi na brtvenu aplikaciju.

T-NBR	EPDM	VMQ	FPM	PTFE	PTFE	PTFE	POM	PA
80	85	85	85					
				55	63	69	85	85
14	12	7,5	10	27	15	14	70	80
160	80	130	200	350	280	170	40	40
9		6,5	8					
50	35	7						
5	9	12	6					
1,28	1,23	1,6	2,51	2,16	2,3	3,2	1,41	1,13
	140		200					
6	5	8	7					
9	7	9	8					
		35	9					
-46	-45	-60	-20	-200	-200	-200	-45	-40
100	150	220	200	260	260	260	100	110
150		120	150					
	180 short	300 short	300 short					
				540	1320	1375	3000	3000
				.			.	
.	.	.	.					

Contact your local marketing company for further information/Kontaktirajte lokalnu tvrtku za daljnje informacije:

Europe	Telephone	Americas	Telephone
AUSTRIA - Vienna (ALBANIA, BOSNIA AND HERZEGOVINA, MACEDONIA, SERBIA AND MONTENEGRO, SLOVENIA)	+43 (0) 1 406 47 33	AMERICAS - REGIONAL	+1 260 749 9631
BELGIUM - Dion-Valmont (LUXEMBOURG)	+32 (0) 10 22 57 50	BRAZIL - São Paulo	+55 11 3372 4500
BULGARIA - Sofia (ROMANIA)	+359 (0)2 969 95 99	CANADA - Etobicoke, ON	+1 416 213 9444
CROATIA - Zagreb	+385 (0) 1 24 56 387	MEXICO - Mexico City	+52 55 57 19 50 05
CZECH REPUBLIC - Rakovnik (SLOVAKIA)	+420 313 529 111	USA, East - Conshohocken, PA	+1 610 828 3209
DENMARK - Hillerød	+45 48 22 80 80	USA, Great Lakes - Fort Wayne, IN	+1 260 482 4050
FINLAND - Vantaa (ESTONIA, LATVIA)	+358 (0) 207 12 13 50	USA, Midwest - Lombard, IL	+1 630 268 9915
FRANCE - Maisons-Laffitte	+33 (0) 1 30 86 56 00	USA, Mountain - Broomfield, CO	+1 303 469 1357
GERMANY - Stuttgart	+49 (0) 711 7864 0	USA, Northern California - Fresno, CA	+1 559 449 6070
GREECE	+41 (0) 21 631 41 11	USA, Northwest - Portland, OR	+1 503 595 6565
HUNGARY - Budaörs	+36 (0) 23 50 21 21	USA, South - N. Charleston, SC	+1 843 747 7656
ITALY - Livorno	+39 0586 22 6111	USA, Southwest - Houston, TX	+1 713 461 3495
THE NETHERLANDS - Barendrecht	+31 (0) 10 29 22 111	USA, West - Torrance, CA	+1 310 371 1025
NORWAY - Oslo	+47 22 64 60 80		
POLAND - Warsaw (LITHUANIA, UKRAINE, BELARUS)	+48 (0) 22 863 30 11	Asia Pacific	Telephone
RUSSIA - Moscow	+7 495 982 39 21	ASIA PACIFIC REGIONAL	+65 6 577 1778
SPAIN - Madrid (PORTUGAL)	+34 (0) 91 71057 30	CHINA - Hong Kong	+852 2366 9165
SWEDEN - Jönköping	+46 (0) 36 34 15 00	CHINA - Shanghai	+86 (0) 21 6145 1830
SWITZERLAND - Crissier	+41 (0) 21 631 41 11	INDIA - Bangalore	+91 (0) 80 2245 5157
TURKEY	+41 (0) 21 631 41 11	JAPAN - Tokyo	+81 (0) 3 5633 8008
UNITED KINGDOM - Solihull (EIRE)	+44 (0) 121 744 1221	KOREA - Anyang	+82 (0) 31 386 3283
AFRICA REGIONAL	+41 (0) 21 631 41 11	MALAYSIA - Kuala Lumpur	+60 (0) 39059 6388
MIDDLE EAST REGIONAL	+41 (0) 21 631 41 11	TAIWAN - Taichung	+886 4 2382 8886
		THAILAND - Bangkok	+66 (0) 2732-2861
		SINGAPORE	
		and all other countries in Asia	+65 6 577 1778

www.tss.trelleborg.com

