



**“YOUR
NEXT
SEAL”**

★ CATALOG 2026

MECHANICAL SEALS SOLUTION

Single Spring | Semi-Process | Process

SMART NAVIGATION

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**“YOUR
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SEAL”**



“YOUR NEXT SEAL”

www.total-seals.com



DATA SHEET - CATALOGUE



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Founded in 1975, Total Seals originated as a **strategic co-investment** with E.G.G. International, Inc., holding company and owner of Sealol Inc., a recognized manufacturer of mechanical seals. This alliance established a solid technological foundation and international manufacturing standards from the very beginning.

In 1981, Mexican partners acquired 100% of the company's shares, resulting in the creation of Sealol, S.A. de C.V. Later, in 1986, the company adopted its current corporate name, Industrias Vago de México, S.A. de C.V. At that time, all technological knowledge, licenses, and manufacturing expertise from Sealol became the legal property of the company, strengthening its autonomy and long-term growth.

Since then, Total Seals has continuously enhanced its manufacturing capabilities, expanding from high-volume production to custom-designed and application-specific mechanical seals. Its elastomeric bellows seals are widely recognized for their consistent quality, reliability, and performance in demanding operating conditions.

The company operates under a vertically integrated manufacturing model, maintaining full control over design, machining, assembly, and quality processes. Its facilities are equipped with advanced CNC technology and high-precision manufacturing equipment, all operated by certified and highly trained specialists. This infrastructure ensures strict quality control, optimal performance, and long service life in every mechanical seal and component produced.

With **more than 40 years of experience** in the market, Total Seals stands as a trusted partner for industrial sealing solutions, delivering innovation, precision, and reliability across multiple industries.



**“YOUR
NEXT
SEAL”**



WHERE OUR SEALS PERFORM

With a strong presence across multiple industries, Total Seals delivers **reliable mechanical sealing solutions** for textile and chemical processes, food, pharmaceutical, and healthcare applications, as well as water treatment, wastewater utilities, mining, pulp & paper, and petroleum refining.

The company also supports marine, agricultural, irrigation, and export markets, demonstrating its ability to meet **diverse operational demands, regulatory standards, and environmental conditions worldwide.**



Textile



Chemical Industry



Waste Management



Export



Food Industry



Hospital & Healthcare



Irrigation



Marine Industry



Wastewater Utility



Mining



Petroleum Refining



Pharmaceutical



Pulp and Paper Industry



Agriculture

At Total Seals, we provide comprehensive sealing solutions for every operational demand. From specialized prototypes to large-scale industrial requirements, we have the expertise to support your goals. Reach out to our engineering department at sales@total-seals.com for more information.



ENTERPRISE PHILOSOPHY

At **Total Seals**, the enterprise philosophy is built on **precision, reliability, and long-term commitment** to customers and industries served. The company believes that every mechanical seal plays a critical role in operational continuity, safety, and efficiency.

Driven by **engineering expertise** and **manufacturing excellence**, Total Seals focuses on delivering solutions that combine high-quality materials, advanced technology, and strict quality control. Its **vertically integrated model** allows full control over every stage of the process, ensuring consistency, traceability, and dependable performance.

Total Seals is committed to **continuous improvement**, investing in technology, specialized talent, and optimized processes to meet evolving industrial demands. Through technical support, customization, and close collaboration with customers, the company builds **long-term partnerships** based on trust, performance, and results.

Guided by responsibility, innovation, and integrity, Total Seals works every day to deliver sealing solutions that protect equipment, processes, and operations—today and in the future.



CERTIFICATIONS & QUALITY STANDARDS

Total Seals operates under strict quality and manufacturing standards, ensuring consistent performance and reliability across its mechanical sealing solutions. The company's processes are designed to comply with international quality requirements and industry best practices.

All manufacturing, machining, and assembly operations are performed using controlled procedures, supported by advanced inspection equipment and operated by trained and certified personnel. This approach guarantees traceability, dimensional accuracy, and dependable product performance.

Total Seals maintains a strong commitment to continuous quality improvement, aligning its internal systems with recognized standards to meet customer, regulatory, and industry expectations across multiple markets.



TOTAL
SEALS

SINGLE



TS21
PAGE 6

SPRING

www.total-seals.com



TS21

Rotating Face:
Graphite, Silicon Carbide

Elastomers:
NBR (Nitrile), FKM (Viton), CR
(Neoprene), E.P.R (EPDM)

Metal Parts:
Stainless Steel 304

Available in inches



DATA SHEET



LINE "TS06"

Rotary Face: Phenolic Carbon, Graphite, Silicon Carbide.

Bellow: NBR (Nitrile®), CR (Neoprene®), FKM (Viton®), EPR (EPDM).

Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET

LINE "TS43"

Rotary Face: Phenolic Carbon, Graphite, Silicon Carbide.

Bellow: NBR (Nitrile®), CR (Neoprene®), FKM (Viton®), EPR (EPDM).

Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET

LINE "TS43M"

Rotary Face: Graphite, Silicon Carbide, Phenolic Carbon

Elastomers: NBR (Nitrile), FKM (Viton), CR (Neoprene), E.P.R (EPDM)

Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET





LINE "TS43 D"

Rotary Face: Phenolic Carbon, Graphite, Silicon Carbide.
Elastomer: NBR (Nitrile®), CR (Neoprene®), FKM (Viton®), EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET



LINE "TSAE"

Rotary Face: Ceramic, Silicon Carbide, Tungsten Carbide.
Elastomer: NBR (Nitrile®), FKM (Viton®), EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET

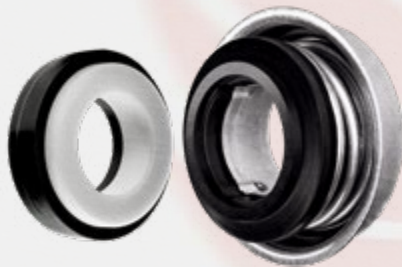


LINE "TSAR"

Rotary Face: Phenolic Carbon, Graphite, Silicon Carbide.
Bellow: EPR (EPDM), NBR (Nitrile®), FKM (Viton®).
Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET



LINE "TSC"

Rotary Face: Phenolic Carbon, Graphite, Silicon Carbide.
Bellow: NBR (Nitrile®), FKM (Viton®), EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET



LINE "TSCI"

Rotary Face: Ceramic, Silicon Carbide, Tungsten Carbide.
Elastomer: NBR (Nitrile®), FKM (Viton®), EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in inches & millimeters

DATA SHEET



LINE "TSD"

Rotary Face: Phenolic Carbon.
Elastomer: TPE (Thermoplastic).
Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET



TSMG13
PAGE 11



SEMI-PROCESS

TSBU08



Rotating Face:
Silicon Carbide

Elastomers:
NBR (Nitrile), FKM (Viton),
E.P.R (EPDM)

Metal Parts:
Stainless Steel 316

Available in millimeters

DATA SHEET



LINE "TS01"

Rotary Face: Graphite, Silicon Carbide,
Tungsten Carbide.

Bellow: NBR (Nitrile®), CR (Neoprene®),
FKM (Viton®), EPR (EPDM).

Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET

LINE "TS02"

Rotary Face: Graphite, Silicon Carbide,
Tungsten Carbide.

Bellow: NBR (Nitrile®), CR (Neoprene®),
FKM (Viton®), EPR (EPDM).

Metal Parts: Stainless Steel 304

Available in inches

DATA SHEET

LINE "TS44"

Rotary Face: Graphite, Silicon
Carbide, Tungsten Carbide.

Bellow: NBR (Nitrile®), EPR (EPDM).

Metal Parts: Stainless Steel 304, 316

Available in inches

DATA SHEET





LINE "TSBU04"

Rotary Face: Graphite
Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).
Metal Parts: Stainless Steel 316

Available in millimeters

DATA SHEET



LINE "TSBU05"

Rotary Face: 316 Stainless Steel
Elastomers: NBR (Nitrile), FKM (Viton®),
E.P.R. (EPDM)
Metal Parts: Stainless Steel 304, 316

Available in millimeters

DATA SHEET



LINE "TSBU06"

Rotary Face: Graphite
Elastomers: NBR (Nitrile), FKM (Viton®),
E.P.R. (EPDM)
Metal Parts: Stainless Steel 316

Available in millimeters

DATA SHEET



LINE "TSBU07"

Rotary Face: Tungsten Carbide.
Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).
Metal Parts: Stainless Steel 316

Available in millimeters

DATA SHEET



LINE "TSMG1"

Rotary Face: Graphite, Silicon Carbide.
Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET



LINE "TSMG12"

Rotary Face: Graphite, Silicon Carbide.
Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).
Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET





LINE "TSMG13"

Rotary Face: Graphite, Silicon Carbide.

Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).

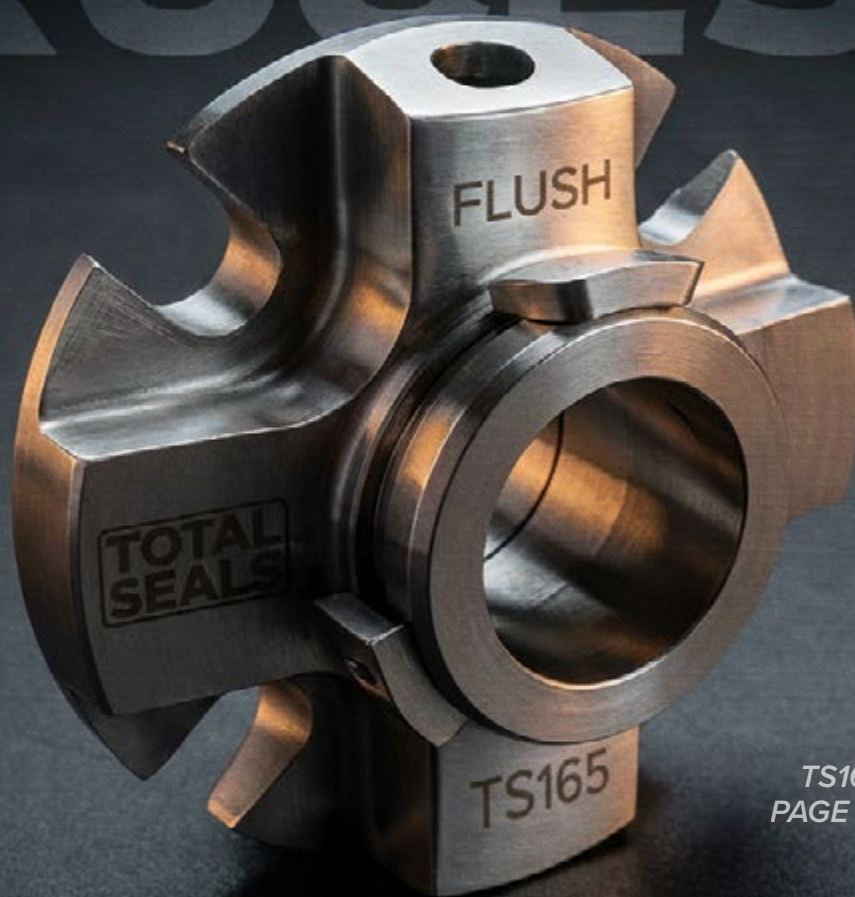
Metal Parts: Stainless Steel 304

Available in millimeters

DATA SHEET



PROCESS



TS165
PAGE 13

TS165



Rotating Face:
Graphite, Silicon Carbide

Elastomers:
NBR (Nitrile), FKM (Viton®), CR (Neoprene),
E.P.R. (EPDM), Kalrez / Perlast (FFKM), Aflas
(TFE/P), Silicone (VMQ)

Metal Parts:
Stainless Steel 316

Available in inches

TSCR

Rotating Face:
Silicon Carbide

Elastomers:
FKM (Viton®), E.P.R. (EPDM)

Metal Parts:
Stainless Steel 304, 316

Available in millimeters



DATA SHEET

13

"If you have any questions regarding the materials and/or dimensions, please contact us at sales@total-seals.com





LINE "TS8"

Rotary Face: Graphite, PTFE/Fiberglass.
Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez/Perlast (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS8B"

Rotary Face: Graphite
Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez/Perlast (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



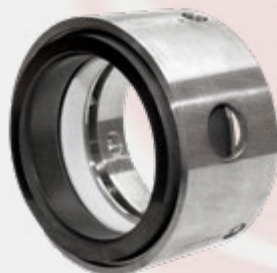
LINE "TS8T"

Rotary Face: Graphite, PTFE/Fiberglass.
Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS9"

Rotary Face: Graphite, PTFE/Fiberglass.
Bellow: Teflon (PTFE).
Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS9T"

Rotary Face: Graphite, PTFE/Fiberglass.
Bellow: Teflon (PTFE)
Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS15"

Rotary Face: Graphite, Silicon Carbide, Tungsten Carbide.
Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET





LINE "TS15A"

Rotary Face: Graphite, Carburo de Silicio, Tungsten Carbide.

Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS15B"

Rotary Face: Graphite, Silicon Carbide, Tungsten Carbide.

Bellow: NBR (Nitrile®), FKM (Viton®), EPR (EPDM), Kalrez (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS18"

Rotary Face: Graphite

Bellow: NBR (Nitrile®), FKM (Viton®), EPR (EPDM).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS23"

Rotary Face: Graphite, Silicon Carbide, PTFE/Fiberglass.

Bellow: NBR (Nitrile), FKM (Viton), CR (Neoprene), E.P.R (EPDM), Kalrez (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM) & Silicon (VMQ)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS50A"

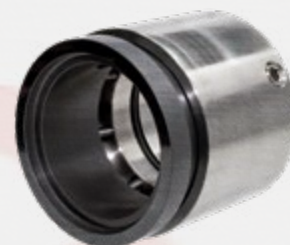
Rotary Face: Graphite.

Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), EPR (EPDM), Kalrez/Perlast (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM), Silicon (VMQ).

Metal Parts: Stainless Steel 316 & Hastelloy "C"

Available in inches

DATA SHEET



LINE "TS55"

Rotary Face: Graphite, Silicon Carbide.

Bellow: NBR (Nitrile®), FKM (Viton®), CR (Neoprene®), E.P.R (EPDM), Kalrez/Perlast (FFKM), Aflas (TFE/P) & Silicon (VMQ).

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET





LINE "TS57"

Rotary Face: Graphite, Tungsten Carbide, Silicon Carbide

Bellow: NBR (Nitrile®), FKM (Viton®), E.P.R (EPDM), Kalrez® / Perlast® (FFKM), Aflas® (TFE/P), Silicone (VMQ)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS60"

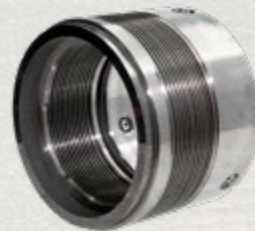
Rotary Face: Graphite, Silicon Carbide, Tungsten Carbide.

Bellow: Graphite (Grafoil)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS70"

Rotary Face: Graphite, Silicon Carbide, Tungsten Carbide.

Bellow: NBR (Nitrile®), FKM (Viton®), E.P.R (EPDM), Kalrez/Perlast (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM).

Metal Parts: Stainless Steel 316, Hastelloy "C"

Available in inches

DATA SHEET



LINE "TS75"

Rotary Face: Graphite, Tungsten Carbide, Silicon Carbide

Elastomers: NBR (Nitrile), FKM (Viton®), E.P.R. (EPDM), Kalrez / Perlast (FFKM), Aflas (TFE/P), Silicone (VMQ)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS80"

Rotary Face: Graphite, Tungsten Carbide, Silicon Carbide

Elastomers: NBR (Nitrile), FKM (Viton®), E.P.R. (EPDM), Kalrez / Perlast (FFKM), Aflas (TFE/P), Silicone (VMQ)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TS81"

Rotary Face: Graphite, Silicon Carbide

Elastomers: NBR (Nitrile), FKM (Viton®), E.P.R. (EPDM)

Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET





LINE "TS85"

Rotary Face: Graphite, Silicon Carbide
Elastomers: NBR (Nitrile), FKM (Viton®), E.P.R. (EPDM), Kalrez / Perlast (FFKM), Aflas (TFE/P), Creavey (PTFE/FKM), Silicone (VMQ)
Metal Parts: Stainless Steel 316

Available in inches

DATA SHEET



LINE "TSFY01"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY02"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY03"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY04"

Rotary Face: Tungsten Carbide.
Elastomer: NBR (Nitrile®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY05"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET





LINE "TSFY06"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY07"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSFY08"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304, 316

DATA SHEET



LINE "TSFY09"

Rotary Face: Tungsten Carbide.
Elastomer: FKM (Viton®).
Metal Parts: Stainless Steel 304

DATA SHEET



LINE "TSGF01"

Rotary Face: Silicon Carbide,
Tungsten Carbide.
Elastomer: NBR (Nitrile®), FKM (Viton®).
Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET



LINE "TSGF02"

Rotary Face: Silicon Carbide,
Tungsten Carbide.
Elastomers: NBR (Nitrile®), FKM (Viton®).
Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET





LINE "TSGFO3"

Rotary Face: Silicon Carbide, Tungsten Carbide.

Elastomers: NBR (Nitrile®), FKM (Viton®).

Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET



LINE "TSGFO4"

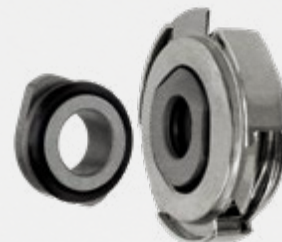
Rotary Face: Silicon Carbide, Tungsten Carbide.

Elastomers: NBR (Nitrile®), FKM (Viton®).

Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET



LINE "TSGFO5"

Rotary Face: Silicon Carbide, Tungsten Carbide.

Elastomers: NBR (Nitrile®), FKM (Viton®).

Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET



LINE "TSGFO6"

Rotary Face: Silicon Carbide, Tungsten Carbide.

Elastomer: NBR (Nitrile®), FKM (Viton®).

Metal Parts: Stainless Steel 304, 316.

Available in millimeters

DATA SHEET



LINE "TSGR"

Rotary Face: Silicon Carbide.

Elastomers: FKM (Viton®).

Metal Parts: Stainless Steel 304, 316.

Available in inches

DATA SHEET



LINE "TSPW"

Rotary Face: Graphite FDA, Silicon Carbide.

Elastomers: NBR FDA (Nitrile® FDA), FKM (Viton® FDA), Silicon (VMQ).

Metal Parts: Stainless Steel 304, 316

Available in inches

DATA SHEET





LINE "TSM7N"

Rotary Face: Silicon Carbide,
Stainless Steel 316

Bellow: NBR (Nitrile®), FKM (Viton®),
EPR (EPDM).

Metal Parts: Stainless Steel 304, 316

Available in millimeters

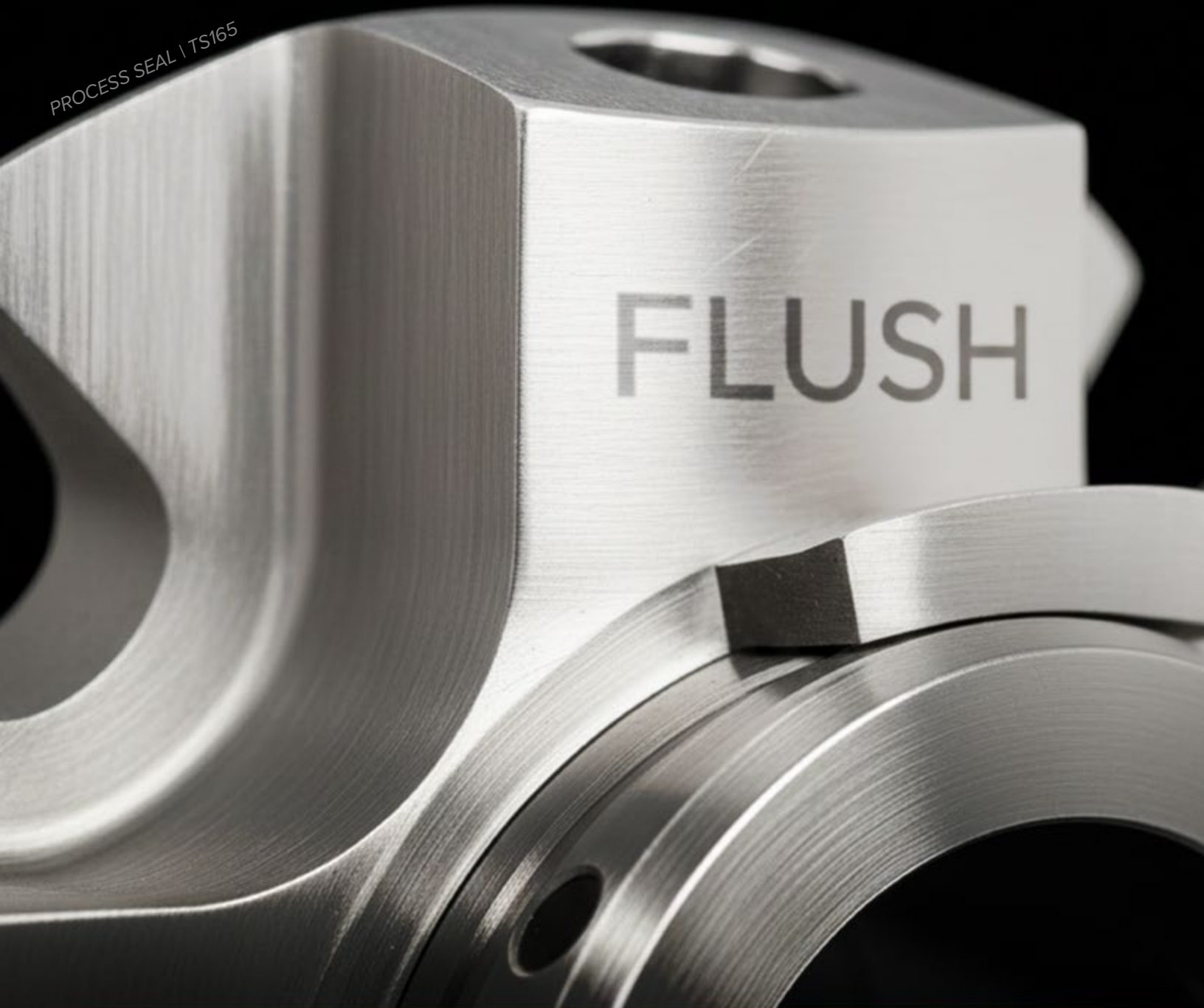
DATA SHEET





RELIABILITY IS NOT OPTIONAL;
IT'S A STANDARD

In critical operations, *every second counts*.
Our process seals are engineered to withstand
extreme conditions, ensuring your plant stays
running when it matters most.



PROCESS SEAL | TS165

MINIMIZE MAINTENANCE, MAXIMIZE UPTIME

YOUR NEXT SEAL

BELLOW TEMPERATURE LIMITS

	NBR	Neoprene	EPR	Silicon	Viton	CREAVEY	TEFLON	AFLAS	KALREZ	GRAFOIL
°C MIN.	-34	-37	-57	-51	-15	-15	-59	-4	-7	-73
°C MAX.	121	107	149	219	204	204	260	232	316	426
°F MIN.	-30	-35	-70	-60	5	5	-75	25	20	-100
°F MAX.	250	225	300	425	400	400	500	450	600	800





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