

SmartSeal® Custom-made Machined Seals





SmartSeal®

Custom-made Machined Seals



Time is money. Downtimes caused by unplanned repairs or machine failures are very costly. **SmartSeal®** offers fast sealing solutions for your urgent demands and helps minimizing the downtime costs. The **SmartSeal®** service offers custom-made solutions with a wide range of seal designs produced from dozens of different materials for every application.

SmartSeal® Offers

- Up to Ø1500 mm
- Hundreds of seal designs
- Custom made production
- Materials for different medias and applications
- Fast delivery





Speed : SmartSeal® can produce a sealing element from scratch in minutes.

Efficiency : SmartSeal® uses advanced machining technique and offers cost-efficient sealing solutions for small quantities and prototyping.

Precision : SmartSeal® can produce in tight tolerances and precise measurements.

Variety : Any design, any dimension. SmartSeal® offers fast service among a wide range of design and material combinations.



SmartSeal® Product Range

Wipers	
Profile	Code
	JW01
	JW02
	JW03
	JW04
	JW05
	JW06
	JW07
	JW08
	JW09
	JW10
	JW11
	JW12
	JW13
	JW14
	JW15
	JW16
	JW17
	JW18
	JW19

Rod Seals	
Profile	Code
	JR01
	JR02
	JR03
	JR04
	JR05
	JR06
	JR07
	JR08
	JR09
	JR10
	JR11
	JR12
	JR13
	JR14
	JR15
	JR16
	JR17
	JR18
	JR19
	JR20
	JR21
	JR22
	JR23

Piston Seals	
Profile	Code
	JP01
	JP02
	JP03
	JP04
	JP05
	JP06
	JP07
	JP08
	JP09
	JP10
	JP11
	JP12
	JP13
	JP14
	JP15
	JP16
	JP17
	JP18
	JP19
	JP20

Symmetrical Seals	
Profile	Code
	JU01
	JU02
	JU03
	JU04
	JU05
	JU06
	JU07
	JU08
	JU09
	JU10
	JU11
	JU12
	JU13

Guide Rings	
Profile	Code
	JG01
	JG02
	JG03
	JG04
	JG05
	JG06
	JG07
	JG08
	JG09

Back-up Rings	
Profile	Code
	JB01
	JB02
	JB03
	JB04
	JB05
	JB06

Static Seals	
Profile	Code
	JS01
	JS02
	JS03
	JS04
	JS05
	JS06
	JS07
	JS08
	JS09
	JS10

Rotary Seals	
Profile	Code
	JO01
	JO02
	JO03
	JO04
	JO05
	JO06
	JO07
	JO08

PTFE Seals	
Profile	Code
	K703
	K706
	K705
	K708
	K716
	K709
	K35
	K710
	K704
	K701
	K17
	K756
	K41
	K753
	K757
	K758
	K759
	K755
	K754
	K751
	K711
	K712
	K702
	K713
	K741
	K742
	K752
	K760
	K761

Materials						
Material Code	Material	Color	Hardness	Operating Temperature	Description	
JPU8801	PU	Light Green	90 Shore A	-30 +115	Low Hardness PU (green)	
JPU9404	PU	Green	95 Shore A	-30 +105	FDA approved Natural PU	
JPU9405	PU	Dark Red	95 Shore A	-30 +105	Grey PU with MoS2	
JPU9406	PU	Blue	95 Shore A	-50 +105	Low Temperature Blue PU	
JPU9407	PU	Red	95 Shore A	-30 +125	Premium Red PU	
JPU9408	PU	Violet	95 Shore A	-30 +115	Chemical Resistant PU (violet)	
JPU9409	PU	Orange	95 Shore A	-30 +135	High Temperature Resistant PU (orange)	
JPU5701	PU	Blue	57 Shore D	-30 +90	Hard Blue PU	
JPU5702	PU	Grey	57 Shore D	-30 +90	Hard Grey PU with	
JNB8501	NBR	Black	85 Shore A	-25 +100	Standard Black NBR	
JNB9501	NBR	Black	95 Shore A	-25 +100	Standard Black NBR	
JNB8502	NBR	White	85 Shore A	-22 +100	FDA approved White NBR	
JHN8501	HNBR	Black	85 Shore A	-25 +150	Standard Black HNBR	
JFK8501	FKM	Brown	85 Shore A	-20 +210	Standard Brown FKM	
JFK8502	FKM	Brown	85 Shore A	-20 +210	FDA approved Brown FKM	
JFK8503	FKM	Black	85 Shore A	-25 +210	Standard Black FKM	
JEP8501	EPDM	Black	85 Shore A	-50 +130	Standard Black EPDM	
JEP8502	EPDM	White	85 Shore A	-50 +100	Standard White EPDM	
JEP8503	EPDM	Black	85 Shore A	-40 +120	KTW approved Black EPDM	
JSL8501	SİLİKON	Red	85 Shore A	-55 +210	FDA approved Red Silicone	
JSL8502	SİLİKON	Blue	85 Shore A	-55 +180	FDA approved Blue Silicone	
JPM9901	POM	White	-	-60 +100	FDA approved White POM	
JPA9901	PA	Cream	-	-30 +105	FDA approved Natural PA	
JTP5501	HYTREL	Orange	55 Shore D	-30 +120	High Temperature Resistant TPE	
PT5501	PTFE	White	55 Shore D	-200 +260	Virgin PTFE	
PT5504	PTFE	Black	55 Shore D	-200 +260	PTFE + Graphite	
PT5505	PTFE	Black	55 Shore D	-200 +260	PTFE + Glass Fiber + MoS2	
PT5506	PTFE	Cream	55 Shore D	-200 +260	PTFE + LCP	
PT5508	PTFE	Turquoise	55 Shore D	-200 +260	PTFE Special Filled	
PT6003	PTFE	Green	58 Shore D	-200 +260	PTFE + 40% Bronze	
PT6004	PTFE	Burgundy	60 Shore D	-200 +260	PTFE + Glass Fiber + MoS2 + Pigment	
PT6005	PTFE	Black	60 Shore D	-200 +260	PTFE + Carbonsgraphite	
PT6006	PTFE	Brown	58 Shore D	-200 +260	PTFE + 40% Bronze + 2% Carbon	
PT6007	PTFE	Brown	60 Shore D	-200 +260	PTFE + 50% Bronze + MoS2	
PT6008	PTFE	Brown	62 Shore D	-200 +260	PTFE + 60% Bronze + Carbon	
PT6009	PTFE	White	60 Shore D	-200 +260	Modified PTFE (TFM)	
PT6010	PTFE	Black	60 Shore D	-200 +260	PTFE + MoS2	
PT6011	PTFE	Brown	60 Shore D	-200 +260	PTFE + 10% Carbon	
PT6014	PTFE	Black	60 Shore D	-200 +260	PTFE + 25% Carbon Fiber	
PT6023	PTFE	Black	60 Shore D	-200 +260	TFM PTFE + 10% Carbon Fiber	
PT6024	PTFE	Grey	60 Shore D	-200 +260	Special Saintless Steel filled,FDA,EU1935/2004	
PT6025	PTFE	Dark Grey	60 Shore D	-200 +260	Stainless Steel and Carbon Fiber	
PT6027	PTFE	Blue	60 Shore D	-200 +260	Metal and can be detected with X-ray,FDA,EU 1935/2004	
PT6028	PTFE	Black	60 Shore D	-200 +260	Carbonsgraphite filled	
PT6502	PTFE	Black	65 Shore D	-200 +260	Hard Carbon filled	
PT6504	PTFE	Dark Grey	65 Shore D	-200 +260	Specially filled and suitable for use in Compressors	
UP9901	UHMW-PE	White	61 Shore D	-230 +80	UHMW Polyethylene	
UP9902	UHMW-PE	Blue	61 Shore D	-200 +80	High Performance	
PK9001	PEEK	Cream	90 Shore D	-50 +250	Standard PEEK	



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