

# KASTAS SEALING TECHNOLOGIES

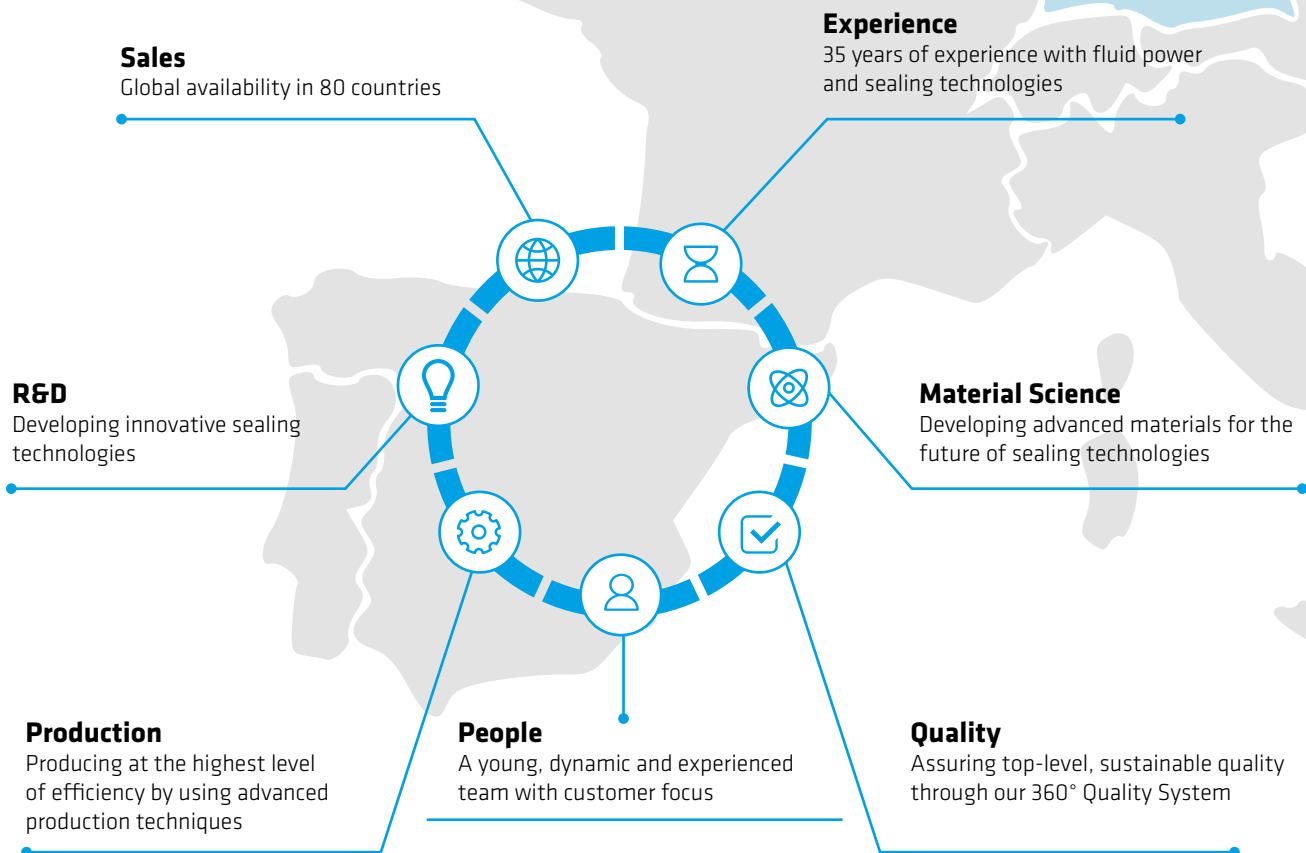
Your Productivity Partner



# KASTAS SEALING TECHNOLOGIES

As Your Productivity Partner, Kastas produces advanced sealing elements for fluid power and various specific applications. With global headquarters in Izmir, Turkey, European headquarters in Germany, and sales and service partners all around the world, we are determined to serve our customers with high quality, reliable products with unmatched before- and after-sales services.

- Over 500 employees
- Complete range of Hydraulic and Pneumatic sealing elements
- Wide range of customized products and vast experience on various applications
- Well-structured R&D division for Material Science and Design Development
- State-of-the-art production technology for sustainable quality
- Top Level Quality Assurance system certified by international authorities
- Global sales and distribution network, assuring highest level of service and worldwide availability



## Kastas is a leading manufacturer and distributor of Sealing Technologies.

### **Kastas Europe GmbH is the European Headquarters and Distribution Center of Kastas Sealing Technologies.**

Located in Quickborn, Germany, Kastas Europe GmbH assures easy access to Kastas services and products.

Dedicated Sales and After-Sales representatives ensure increased customer satisfaction with local representation, while our advanced warehouse system with an extensive stock of more than 30,000 different items assures our customers that we can meet their needs with very short delivery times.



# SALES & LOGISTICS



From a batch of millions of seals for a world leader OEM to a large diameter seal to be used in the most challenging applications, from a single seal to repair a machine to the prototype cylinder which is a part of an innovative project, we are dedicated to offering the perfect sealing solution for all conditions.



Advanced R&D Division and Test Center



Application Engineering Division



Extensive stocks for all standard items



The accustomed quality of Kastas is at your service through European Headquarters and Distribution Center, Kastas Europe GmbH in the center of Europe.

▶ As well as being an advanced producer, Kastas is one of the largest global distributors of sealing elements.

- Central warehouse in Izmir
- Branches located in Istanbul, Ankara, İzmir, Bursa and Konya
- European Distribution Center in Germany
- Well-structured distribution chain in 80 countries globally

▶ Kastas ensures global availability of its products and services



Shortest delivery times for both standard and customized products



Project Engineering Division



## R&D

We are researching for the future of sealing and developing innovative sealing technologies.

Innovations based on effective and efficient research and development are important growth engines for Kastas. That's why we work in interdisciplinary teams on innovative products and materials.

- Product Development
- Material Development
- Fluid Power Test Center
- Compound Development Laboratory
- Research on Advanced Sealing Solutions



### FEA (FINITE ELEMENT ANALYSIS)

FEA is a crucial part of the development process and simulating application parameters in Kastas.

- Designing seals for optimum leakage-friction-lifetime
- Optimizing current design range for top performance
- Simulating customer-specific conditions

## KASTAS SEALING TECHNOLOGIES TEST CENTER

Kastas Sealing Technologies Test Center successfully conducts detailed R&D testing activities on sealing technologies for advanced design and material solutions. Kastas provides the advanced sealing solutions for customer requirements, whether it is high pressure or extreme temperatures, low friction or a variety of external factors.

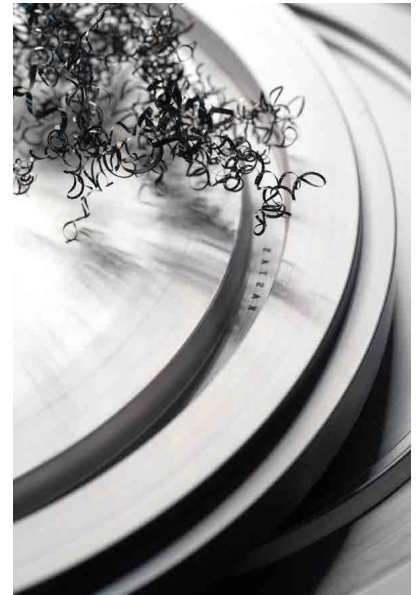


# MANUFACTURING

Kastas is a leading producer of sealing elements using advanced production technologies, top level materials and compounds and quality, dedicated, diverse **manufacturing divisions**.

In-house compounding and production of all manufacturing processes are the key factors for our efficient, quality assured and flexible approach to sealing technologies.

- Elastomer Division
- Engineering Plastics Division
- SmartSeal®
- Composite Materials Division
- Compounding Division
- Tooling and Engineering Division

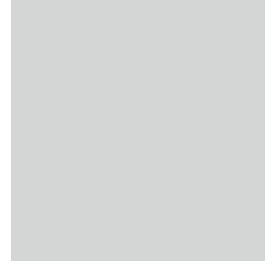




**Hydraulic Press**



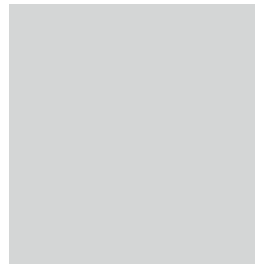
**Construction Machinery**



**Plastic Injection**



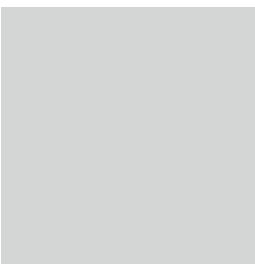
**Mining Industry**



# INDUSTRIES

Kastas firmly believes that knowledge and experience are vital for the long-term performance and application engineering of sealing elements. That's why more than 40 engineers and a dedicated R&D department at Kastas focus on new and innovative sealing solutions for various industries every day. By examining the requirements of each application, creating simulations, testing systems in-house and in-field, our aim is to offer our customers the most efficient and reliable sealing solutions.

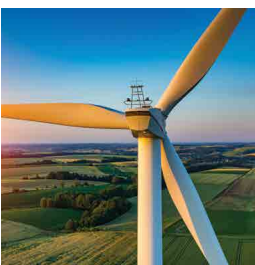
**Agricultural Machinery**



**Mobile Hydraulics**



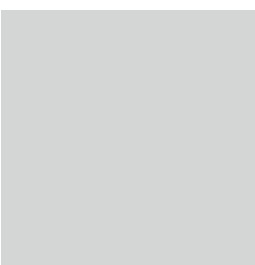
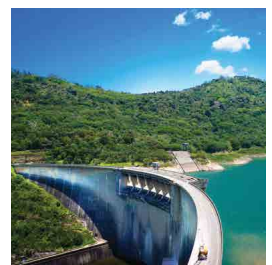
**Metallurgy**



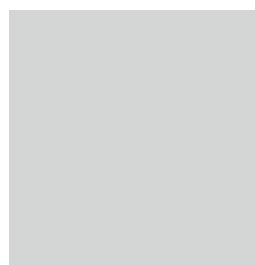
**Wind Power**



**Automotive**



**Marine**










**Hydro Power**



# PRODUCT RANGE

Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
<b>HYDRAULIC ROD SEALING ELEMENTS</b>								
<b>FR200</b>	Low Friction Rod Seal		Rod	PU	PU9401	400	-35/+110	0.5
<b>K01</b>	Rod Packing		Rod	NBR FABRIC NBR POM	NB9001 FB8001 PM9903 FB9001	400	-30/+105	0.5
<b>K04</b>	Rod Packing		Rod	NBR FABRIC NBR POM	NB9001 FB8001 PM9903	400	-30/+105	0.5
<b>K22</b>	Rod Seal		Rod	PU	PU9201	400	-40/+100	0.5
<b>K29</b>	Buffer Seal		Rod	PU POM	PU9201 PM9901	400	-40/+100	0.5
<b>K31</b>	Heavy Duty Rod Seal		Rod	NBR PU POM	NB7001 PU9401 PM9901	630	-30/+100	0.5
<b>K32</b>	Rod Seal		Rod	PU POM	PU9401 PM9901	400	-35/+110	0.5
<b>K33</b>	Rod Seal		Rod	PU	PU9401	400	-35/+110	0.5
<b>K34</b>	Rod Seal		Rod	NBR FABRIC NBR TPE, POM	NB8001 FB8001 TP5501 PM9901	700	-30/+105	0.5
<b>K35</b>	Rod Seal		Rod	PTFE NBR	PT6003 NB7001	400	-30/+105	15.0
<b>K37</b>	Rod Seal		Rod	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	400	-30/+105	0.5
<b>K38</b>	Rod Seal		Rod	PU	PU9401	400	-35/+110	0.5
<b>K39</b>	Rod Seal		Rod	NBR FABRIC NBR	NB8001 FB8001	250	-30/+105	0.5
<b>K97</b>	Rod Seal		Rod	HNBR	HB9001	150	-30/+150	0.5
<b>K701</b>	Spring Loaded Rod Seal		Rod	PTFE, STAINLESS STEEL	PT6002 CN9902	350	-150/+250	15.0
<b>K704</b>	Rod Seal		Rod	PTFE NBR	PT6003 NB8001	400	-30/+105	5.0





Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
<b>HYDRAULIC PISTON SEALING ELEMENTS</b>								
<b>K03</b>	Piston Packing		Piston	FABRIC NBR POM	FB8001 PM9903 FB9001	400	-30/+105	0.5
<b>K15</b>	Piston Seal		Piston	PU NBR	PU9501 NB7001	250	-30/+100	0.5
<b>K16</b>	Compact Piston Seal		Piston	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	400	-30/+105	0.5
<b>K17</b>	Piston Seal		Piston	PTFE NBR	PT6003 NB7001	400	-30/+105	15.0
<b>K18</b>	Compact Piston Seal		Piston	NBR TPE POM	NB8001 TP7301 PM9901	400	-30/+105	0.5
<b>K19</b>	Heavy Duty Piston Seal		Piston	PTFE NBR POM	PT6003 NB8001 PM9901	400	-30/+105	1.5
<b>K23</b>	Piston Seal		Piston	PU	PU9201	400	-40/+100	0.5
<b>K26</b>	Piston Seal		Piston	NBR STEEL SPRING	NB9001 FE9901 CN9901	60	-30/105	0.5
<b>K40</b>	Piston Seal		Piston	PU POM	PU9401 PM9901	400	-35/+110	0.5
<b>K41</b>	Piston Seal		Piston	PTFE NBR	PT6003 NB7001	400	-30/+105	15.0
<b>K42</b>	Compact Piston Seal		Piston	NBR TPE POM	NB8001 TP5501 PM9901	700	-30/+105	0.5
<b>K43</b>	Piston Seal		Piston	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	500	-30/+105	0.5
<b>K46</b>	Compact Piston Seal		Piston	PU POM NBR	PU9201 PM9901 NB7001	400	-30/+100	0.5
<b>K48</b>	Heavy Duty Piston Seal		Piston	NBR TPE POM	NB8001 TP5501 PM9901	700	-30/+105	0.5
<b>K49</b>	Piston Seal		Piston	PU NBR	PU6001 NB8001	400	-30/+100	0.5
<b>K501</b>	Piston Seal		Piston	PA NBR	PA9904 NB7001	500	-30/+105	1.0
<b>K502</b>	Compact Piston Seal		Piston	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	500	-30/+105	0.5
<b>K503</b>	Compact Piston Seal		Piston	NBR TPE POM	NB8001 TP7201 PM9901	400	-30/+105	0.5




















Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
<b>K504</b>	Compact Piston Seal		Piston	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	500	-30/+105	0.5
<b>K505</b>	Compact Piston Seal		Piston	NBR FABRIC NBR POM	NB8001 FB8001 PM9901	1500	-30/+105	0.5
<b>K518</b>	Compact Piston Seal		Piston	NBR TPE POM	NB8001 TP7301 PM9905	400	-30/+105	0.5
<b>K751</b>	Spring Loaded Piston Seal		Piston	PTFE STAINLESS STEEL	PT6002 CN9902	350	-150/+250	15.0
<b>K753</b>	Piston Seal		Piston	PTFE NBR	PT6003 NB7001	400	-30/+105	2.0
<b>K755</b>	Piston Seal		Piston	PTFE NBR	PT6003 NB8001	400	-30/+105	5.0
<b>K757</b>	Piston Seal		Piston	PTFE NBR	PT6003 NB7001	400	-30/+105	2.0






**HYDRAULIC PISTON-ROD SEALING ELEMENTS**

<b>K21</b>	Piston Rod Seal		Piston Rod	PU	PU9201	400	-40/+100	0.5
<b>K36</b>	Piston Rod Seal		Piston Rod	NBR FABRIC NBR	NB8001 FB8001	250	-30/+105	0.5
<b>K95</b>	Piston Rod Seal		Piston Rod	NBR	NB9001	150	-30/+105	0.5
<b>K98</b>	Piston Rod Seal		Piston Rod	PU NBR	PU9201 NB7001	400	-30/+100	0.5
<b>K114</b>	Piston Rod Seal		Piston Rod	PU NBR	PU9401 NB7001	400	-30/+100	0.5
<b>KX</b>	X-Ring		Piston Rod	NBR	NB7001	50	-30/+105	0.5













**WIPERS**

<b>K05</b>	Wiper		Rod	PU	PU9401		-30/+100	1.0
<b>K06</b>	Wiper		Rod	PU	PU9201		-40/+100	1.0
<b>K07</b>	Metal Case Wiper		Rod	NBR STEEL	NB9001 FE9901		-30/+105	1.0
<b>K07</b>	Metal Case Wiper		Rod	PU STEEL	PU9201 FE9901		-40/+100	1.0









Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
K09	Wiper		Rod	PU	PU9201		-40/+100	1.0
K10	Double Wiper		Rod	NBR	NB9001		-30/+105	1.0
K11	Wiper		Rod	TPE	TP5501		-40/+120	2.0
K12	Metal Case Wiper		Rod	PU STEEL	PU9501 FE9901		-30/+100	1.0
K13	Metal Case Wiper		Rod	PU STEEL	PU9501 FE9901		-35 /+ 100	1.0
K27	Double Wiper		Rod	PU	PU9201		-40/+100	1.0
K94	Wiper		Rod	PU	PU9401		-35/+110	1.0
K101	External Wiper		Piston	PU	PU9201		-40/+100	1.0
K102	Wiper		Rod	PU STEEL	PU9401 FE9901		-35/+110	1.0
K103	Double Wiper		Rod	PU	PU9201		-40/+100	1.0
K105	Wiper		Rod	POM	PM9901		-40/+110	1.0
K107	Wiper		Rod	PU	PU9201		-40/+100	1.0
K703	Wiper		Rod	PTFE NBR	PT6003 NB7001		-30/+105	5.0
K705	Wiper		Rod	PTFE NBR	PT6003 NB7001		-30/+105	5.0
K706	Wiper		Rod	PTFE NBR	PT6003 NB7001		-30/+105	5.0
K716	Wiper		Rod	PTFE NBR	PT6003 NB7001		-30/+105	5.0
<b>SPECIAL SEALING ELEMENTS</b>								
K14	V-Ring			NBR	NB7001	0.3	-30/+105	12.0 Peripheral
K150	Chevron Ring		Rod	FABRIC NBR	FB8502	250	-30/+80	2.0
K151	High Pressure Chevron Seal		Rod	FABRIC NBR POM, PTFE	FB8502 PM9901, PT6002	400	-30/+80	2.0

Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
<b>K152</b> <b>K153</b>	Low Pressure Chevron Seal		Rod	FABRIC NBR POM	FB8502 PM9901	80	-30/+80	2.0
<b>K154</b>	Low Pressure Chevron Seal		Rod	NBR FABRIC NBR	NB9001 FB8001	80	-30/+80	2.0
<b>K155</b>	High Pressure Chevron Seal		Rod	POM FABRIC NBR PA	PM9902 FB8502 PA9902	400	-30/+80	2.0
<b>K702</b>	Rod Seal for Rotating Application		Rod	PTFE NBR	PT6003 NB7001		-30/+105	5.0 Peripheral
<b>K752</b>	Piston Seal for Rotating Application		Piston	PTFE NBR	PT6003 NB7001		-30/+105	5.0 Peripheral

**PNEUMATIC ROD SEALING ELEMENTS**

<b>K30</b>	Pneumatic Combi Seal		Rod	NBR STEEL	NB7001 FE9901	12	-30/+105	1.0
<b>K51</b>	Pneumatic Rod Seal		Rod	PU	PU9201	16	-30/+80	1.0
<b>K52</b>	Pneumatic Rod Seal		Rod	PU	PU9201	16	-30/+80	1.0
<b>K53</b>	Pneumatic Cushioning Seal		Rod	NBR	NB9001	12	-30/+105	1.0
<b>K53</b>	Pneumatic Cushioning Seal		Rod	PU	PU9201	16	-30/+80	1.0
<b>K56</b>	Pneumatic Rod Seal		Rod	NBR TPE	NB8001 TP5501	16	-30/+105	1.0
<b>K64</b>	Pneumatic Rod Seal		Rod	PU	PU9201	16	-30/+80	1.0
<b>K67</b>	Pneumatic Rod Seal		Rod	NBR	NB7001	12	-30 + 105	1.0
<b>K106</b>	Pneumatic Wiper		Rod	NBR	NB8001	12	-30/+105	1.0
<b>K109</b>	Pneumatic Rod Seal		Rod	NBR	NB7001	16	-30/+105	1.0
<b>K130</b>	Pneumatic Rod Seal		Rod	NBR	NB8001	12	-30/+105	1.0
<b>K131</b>	Rod Seal		Rod	NBR	NB7401	12	-30/+ 105	1.0
<b>K715</b>	Pneumatic Rod Seal		Rod	PTFE NBR	PT6005 NB7001	40	-30/+105	5.0

Kastaş Code	Product Name	Drawing	Application	Material	Code	Pressure (max) bar	Temperature (max) °C	Sliding Speed (max) - m/s
<b>PNEUMATIC PISTON SEALING ELEMENTS</b>								
<b>K25</b>	Pneumatic Piston Seal		Piston	NBR STEEL	NB7501 FE9901	16	-30/+105	1.0
<b>K50</b>	Pneumatic Piston Seal		Piston	NBR	NB8001	12	-30/+105	1.0
<b>K50</b>	Pneumatic Piston Seal		Piston	PU	PU8502	16	-30/+100	1.0
<b>K54</b>	Pneumatic Piston Seal		Piston	NBR	NB7001	12	-30/+105	1.0
<b>K55</b>	Pneumatic Piston Seal		Piston	NBR ALUMINUM	NB7001 AL9901	12	-30/+105	1.0
<b>K57</b>	Pneumatic Piston Seal		Piston	NBR ALUMINUM	NB7001 AL9901	12	-30/+105	1.0
<b>K58</b>	Pneumatic Piston Seal		Piston	PU, POM ALUMINUM MAGNET, NBR	PU9201, PM9901 AL9901, MK9901 NB7001	16	-30/+80	1.0
<b>K59</b>	Pneumatic Piston Seal		Piston	NBR	NB8001	12	-30/+105	1.0
<b>K59</b>	Pneumatic Piston Seal		Piston	PU	PU8502	16	-30/+100	1.0
<b>K61</b>	Pneumatic Piston Seal		Piston	NBR, POM ALUMINUM, NBR	NB8001, PM9901 AL9901, NB7001	12	-30/+100	1.0
<b>K62</b>	Pneumatic Piston Seal		Piston	NBR	NB7001	12	-30/+105	1.0
<b>K63</b>	Pneumatic Piston Seal		Piston	NBR	NB7001	12	-30/+105	1.0
<b>K65</b>	Pneumatic Piston Seal		Piston	NBR	NB7001	10	-30/+105	1.0
<b>K66</b>	Pneumatic Piston Seal		Piston	NBR	NB8001	16	-30/+105	1.0
<b>K506</b>	Pneumatic Piston Seal		Piston	NBR	NB8501	16	-30/+105	1.0
<b>K761</b>	Pneumatic Piston Seal		Piston	PTFE NBR	PT6005 NB7001	40	-30/+105	5.0
<b>GUIDE ELEMENTS</b>								
<b>K68</b>	Guide Ring		Rod	POM	PM9902		-30/+125	1.0
<b>K69</b>	Guide Ring		Piston	POM	PM9902		-30/+125	1.0
<b>K71</b>	Guide Ring		Rod	POM	PM9901		-40/+110	1.0

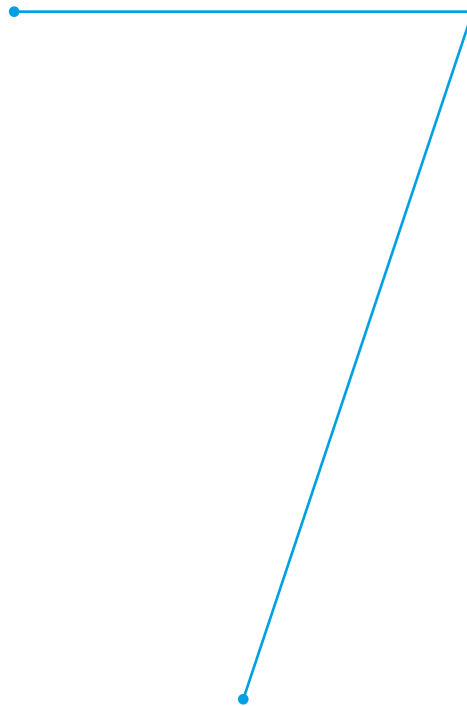
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<b>K73</b>	Guide Ring		Piston Rod	SYNTHETIC FIBER, POLYESTER RESIN	PR6501		-40/+120	1.0
<b>K75</b>	Guide Ring		Piston Rod	SYNTHETIC FIBER, PHENOLIC RESIN WITH PTFE	PH6501		-40/+130	1.0
<b>K76</b>	Guide Spiral		Piston Rod	POLYESTER FIBER, PHENOLIC RESIN	PH6502		-40/+100	1.0
<b>K77</b>	Guide Ring		Rod	POM	PM9901		-40/+110	1.0
<b>K78</b>	Guide Ring		Piston Rod	PHENOLIC ARAMID	PH6504		-40/+200	1.0
<b>KBT</b>	PTFE, Bronze Guide Strip		Piston Rod	PTFE	PT6003		-200/+200	15.0
<b>KKT</b>	Carbon, PTFE Guide Strip		Piston Rod	PTFE	PT6002		-200/+200	15.0
<b>KPB</b>	Polyester Resin, Guide Strip		Piston Rod	SYNTHETIC FIBER POLYESTER RESIN	PR6501		-40/+120	1.0
<b>KSB</b>	Guide Strip		Piston Rod	POLYESTER FIBER, PHENOLIC RESIN	PH6502		-40/+100	1.0

**STATIC SEALS**

<b>K81</b>	Back-up Ring		Piston Rod	TPE	TP5501	500	-40/+120	1.0
<b>K82</b>	Flange Seal			PU	PU9401	600	-35/+110	
<b>K83</b>	Static Seal			PU	PU9401	600	-35/+110	
<b>K84</b>	Static Seal			PU	PU9401	600	-35/+110	
<b>K85</b>	Static Seal		Piston	PU	PU9401	600	-35/+110	
<b>K86</b>	Static Seal		Piston	PU	PU9201	500	-40/+100	
<b>K87</b>	Fluid Connector Seal			NBR	NB8501		-30/+105	
<b>K88</b>	Fluid Connector Seal			NBR	NB8001		-30/ + 105	
<b>K89</b>	Static Seal			PU	PU9401	500	-35/+110	
<b>K0</b>	O-Ring		Piston Rod	NBR	NB7001	63	-30/+105	0.5
<b>K0</b>	O-Ring		Piston Rod	PU	PU9401	400	-35/+110	0.5



[www.kastas.com](http://www.kastas.com)



Kastas Sealing Technologies A.S.  
Kastas Sealing Technologies Europe GmbH