

# FREUDENBERG XPRESS® – MAINTENANCE, LOW VOLUME, PROTOTYPING

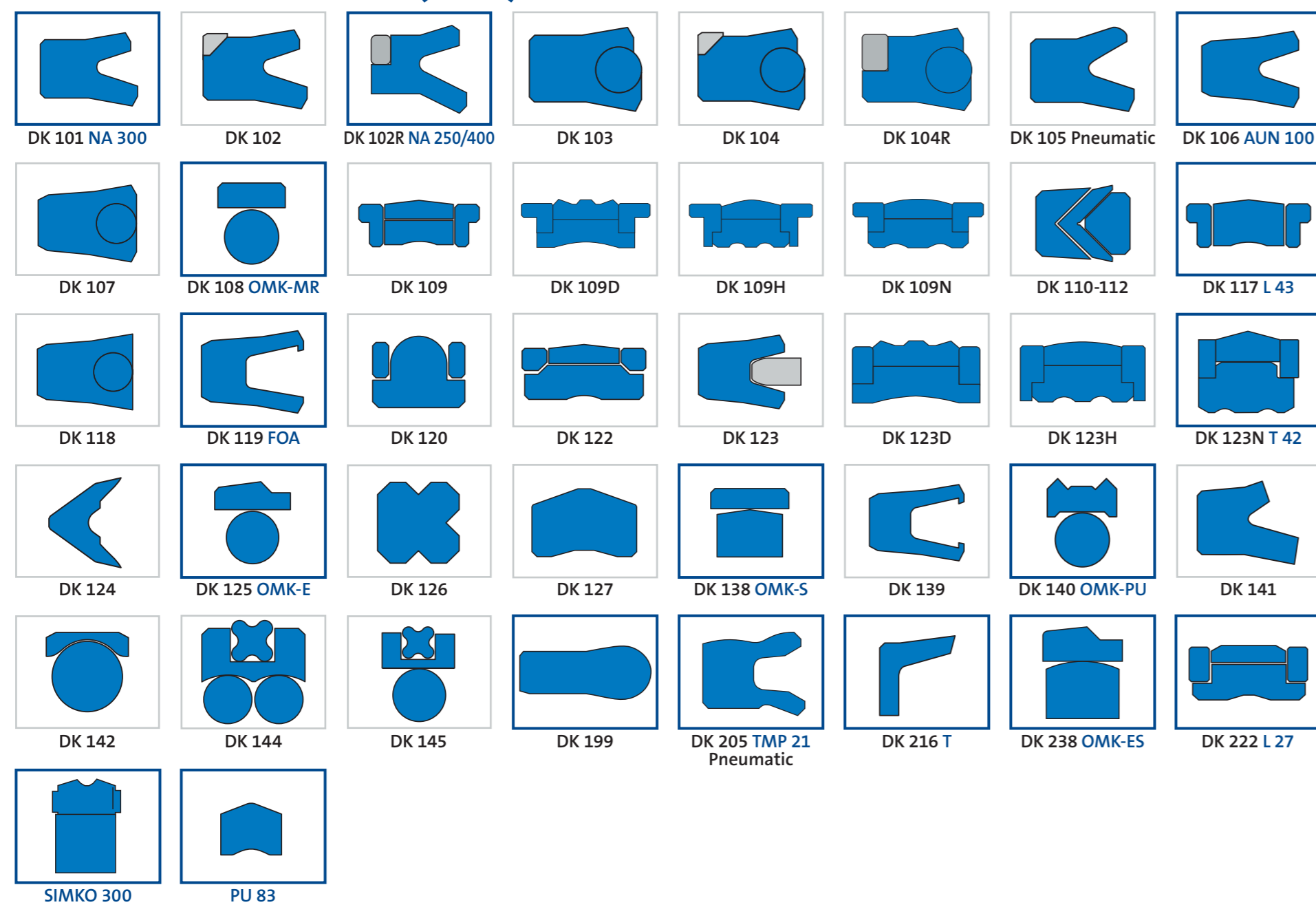
FAST DELIVERY OF SEALING SOLUTIONS AND INDIVIDUAL PARTS WITH PROVEN RELIABILITY

## FREUDENBERG XPRESS® MATERIALS

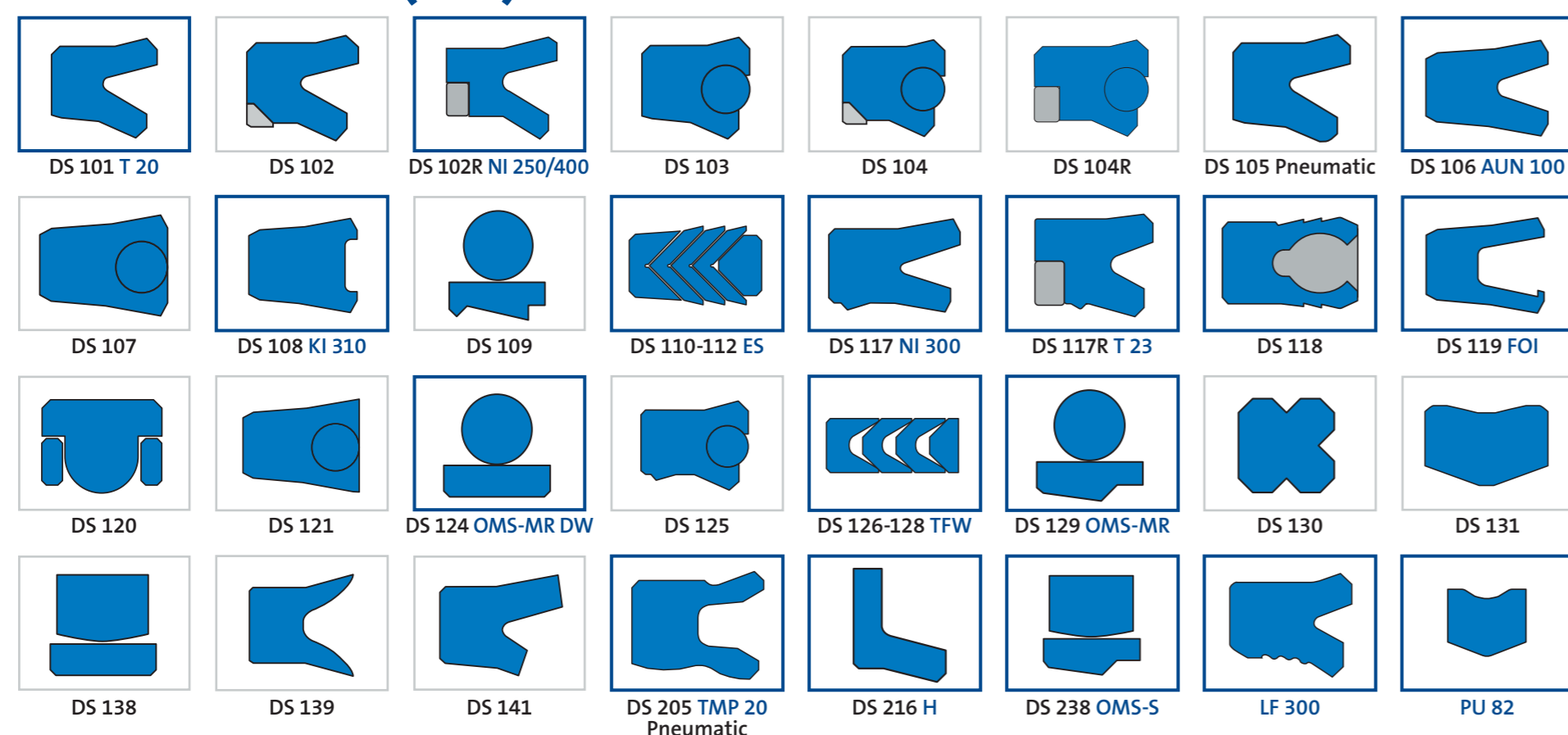
SHORT TERM	REMARK	PHYSICAL PROPERTY		DIMENSIONS	CERTIFICATION REPORT											
		Color	Temperature range [°C]		Hardness: DIN ISO 7619-1 Shore A and Shore D	Metals up to the specified diameter available	Conform to FDA	EU Reg. 1935/2004	EU Reg. 10/2011	3-A Sanitary Standard	ADI free	USP Chapter 87	USP Chapter 88	KTW	WZ70	NF 61
<b>POLYURETHANE</b>																
94 AU 925	Original Freudenberg material	Blue	-30 to +110	A 94 ±3	2,500											
94 AU 30000	Original Freudenberg material	Blue	-35 to +120	A 94 ±3	380											
95 AU V142	Original Freudenberg material	Blue	-30 to +110	A 94 ±3	380											
92 AU 21100	Original Freudenberg material, low temperature	Yellow	-50 to +110	A 92 ±3	380											
94 AU 21730	Original Freudenberg material - FDA, hydrolysis resistance	Blue	-25 to +110	A 94 ±3	380	+	+	+	+	+						
93 AU V167	Original Freudenberg material - FDA, hydrolysis resistance	Red	-20 to +110	A 94 ±3	2,500	+	+	+	+	+						
<b>ELASTOMERS</b>																
72 NBR 902	Original Freudenberg material	Black	-40 to +100	A 75 ±5	250											
70 FKM 576	Original Freudenberg material	Black	-15 to +200	A 70 ±5	250											
75 FKM 585	Original Freudenberg material	Black	-30 to +200	A 75 ±5	250											
75 EPDM 291	Original Freudenberg material, FDA	Black	-40 to +150	A 75 ±5	1,000	+	+									
85 EPDM 292	Original Freudenberg material, FDA	Black	-40 to +150	A 85 ±5	1,000	+	+									
70 NBR 438	Original Freudenberg material, FDA	Black	-25 to +100	A 70 ±5	1,000	+	+									
85 NBR 436	Original Freudenberg material, FDA	Black	-25 to +100	A 85 ±5	1,000	+	+									
75 Fluoroprene XP 41	Original Freudenberg material, FDA	Black	-15 to +200	A 75 ±5	1,000	+	+									
85 Fluoroprene XP 43	Original Freudenberg material, FDA	Black	-15 to +200	A 85 ±5	1,000	+	+									
85 NBR 33994	Standard Freudenberg Xpress material	Black	-25 to +100	A 85 ±5	2,500											
82 FKM 33991	Standard Freudenberg Xpress material	Black	-20 to +200	A 82 ±5	2,500											
85 HNBR 33993	Standard Freudenberg Xpress material	Black	-20 to +140	A 85 ±5	2,500											
<b>POLYTETRAFLUOROETHYLENE (PTFE)</b>																
PTFE B602	Original Freudenberg material	Black	-200 to +260	D 66 ±3	500											
PTFE C104	Original Freudenberg material	Black	-200 to +260	D 60 ±3	500											
W FLON	Standard Freudenberg Xpress material, Virgin / FDA	White	-200 to +260	D 60 ±3	1,000	+	+									
G FLON	Standard Freudenberg Xpress material, 15% Glass + 5% MoS2	Grey	-200 to +260	D 58 ±3	1,000											
B FLON	Standard Freudenberg Xpress material, 40% Bronze	Brown	-200 to +260	D 61 ±3	1,000											
C FLON	Standard Freudenberg Xpress material, 25% Carbon	Black	-200 to +260	D 64 ±3	1,000											
EF FLON	Standard Freudenberg Xpress material, 10% Econol / FDA	Black	-200 to +260	D 57 ±3	250	+	+									
<b>SPECIFIC MATERIALS</b>																
HG 517	Original Freudenberg material - Laminated Fabric	Black	-40 to +120		400											
POM	Standard Freudenberg Xpress material	White	-45 to +100	D 85 ±3	280	+										
PA	Standard Freudenberg Xpress material	White	-40 to +110	D 85 ±3	>280 to 1,000											

Remark: Additional parts on request. Visit [xpress.fst.com](http://xpress.fst.com) for a continuously updated material overview

## PISTON SEALS (DK)



## ROD SEALS (DS)



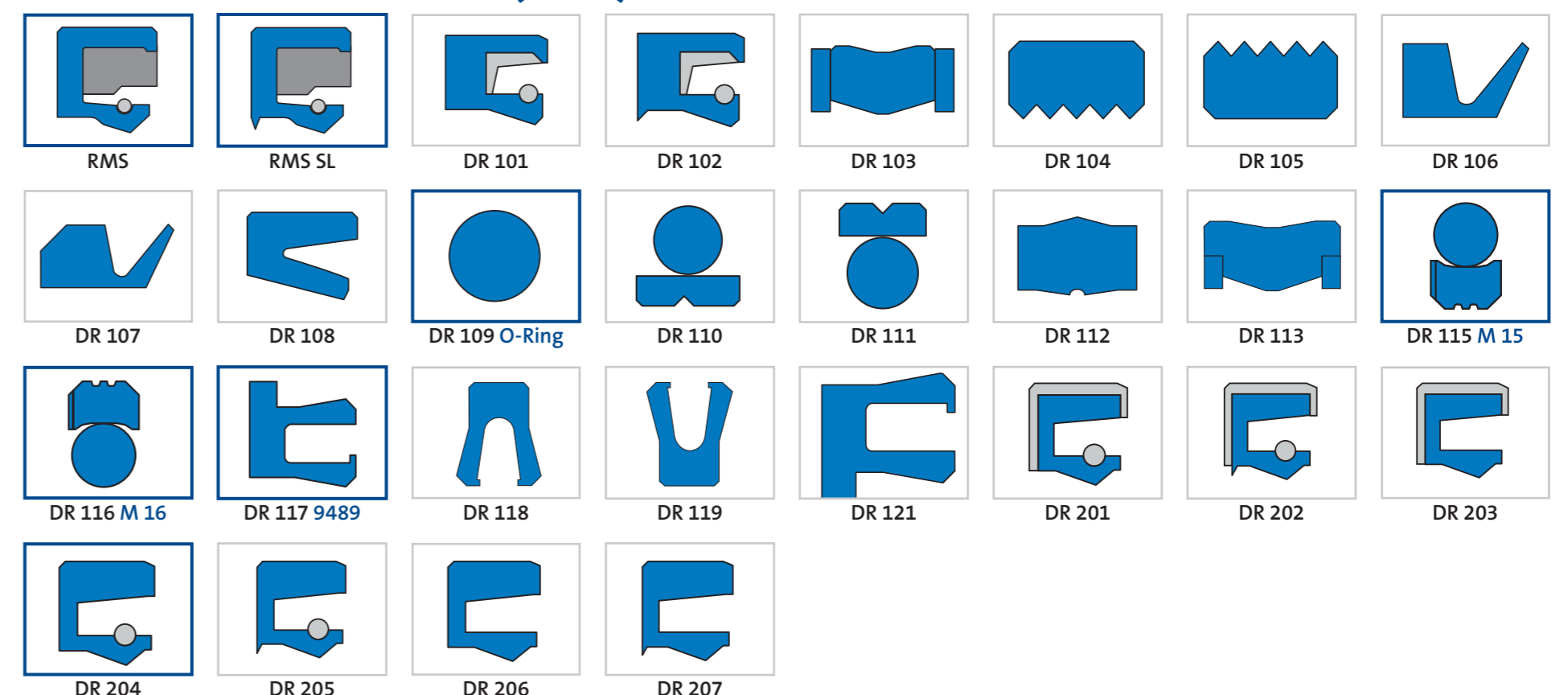
## YOUR BENEFITS AT A GLANCE:

- Customized sealing solutions
- Based on your drawings or ours
- Expert advice available
- Original profiles and materials as used in standard production
- Fast delivery for quick maintenance needs – within 24 hours, if needed
- Economic production of small batches
- Solutions for the process industry including FDA compliance and approvals like USP Class VI
- Prototyping

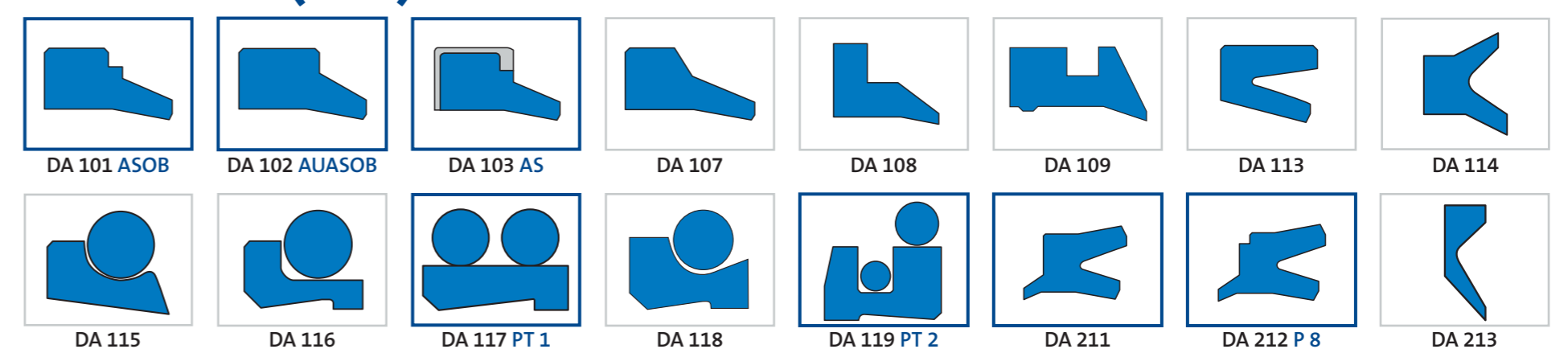
## SERVICE CENTER GERMANY (HUB)

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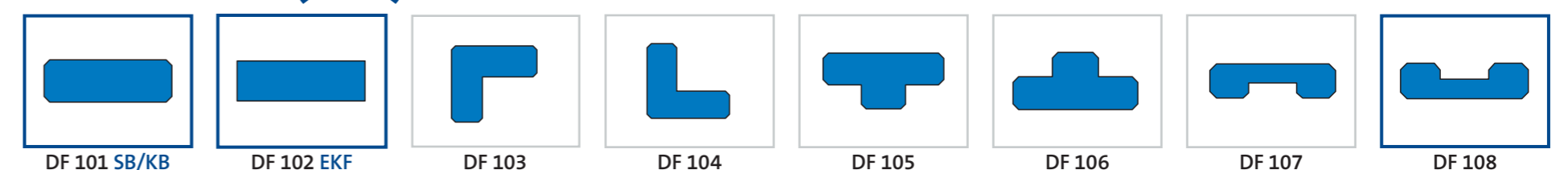
## ROTARY SEALS (DR)



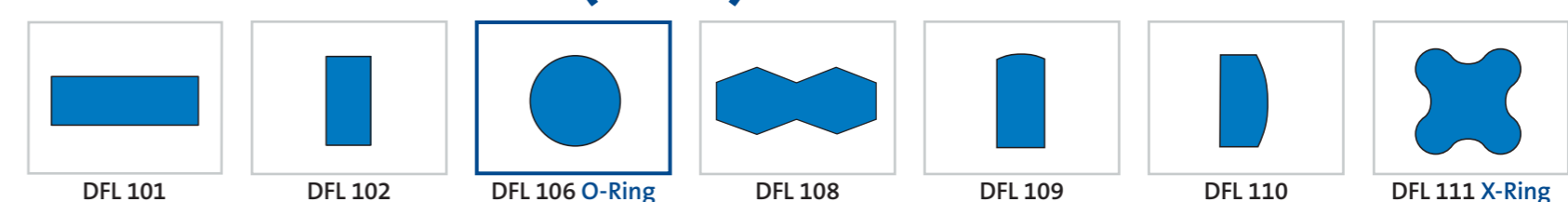
## WIPERS (DA)



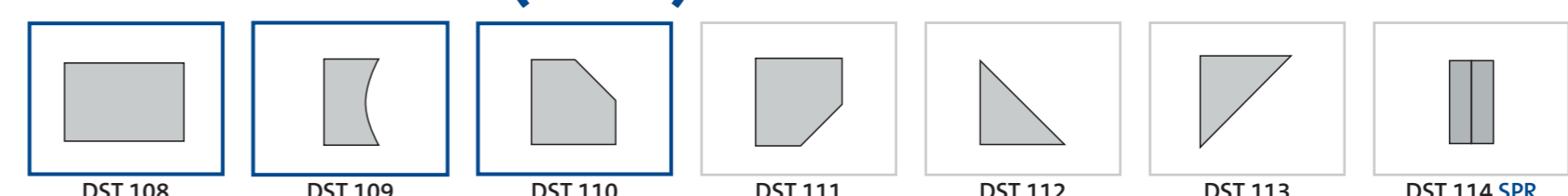
## GUIDES (DF)



## FLAT GASKETS (DFL)



## BACK RINGS (DST)



Remark: Shortcuts and frames in blue color: original Freudenberg design and materials. Additional original profiles on demand.