

FREUDENBERG XPRESS® – MAINTENANCE, LOW VOLUME, PROTOTYPING

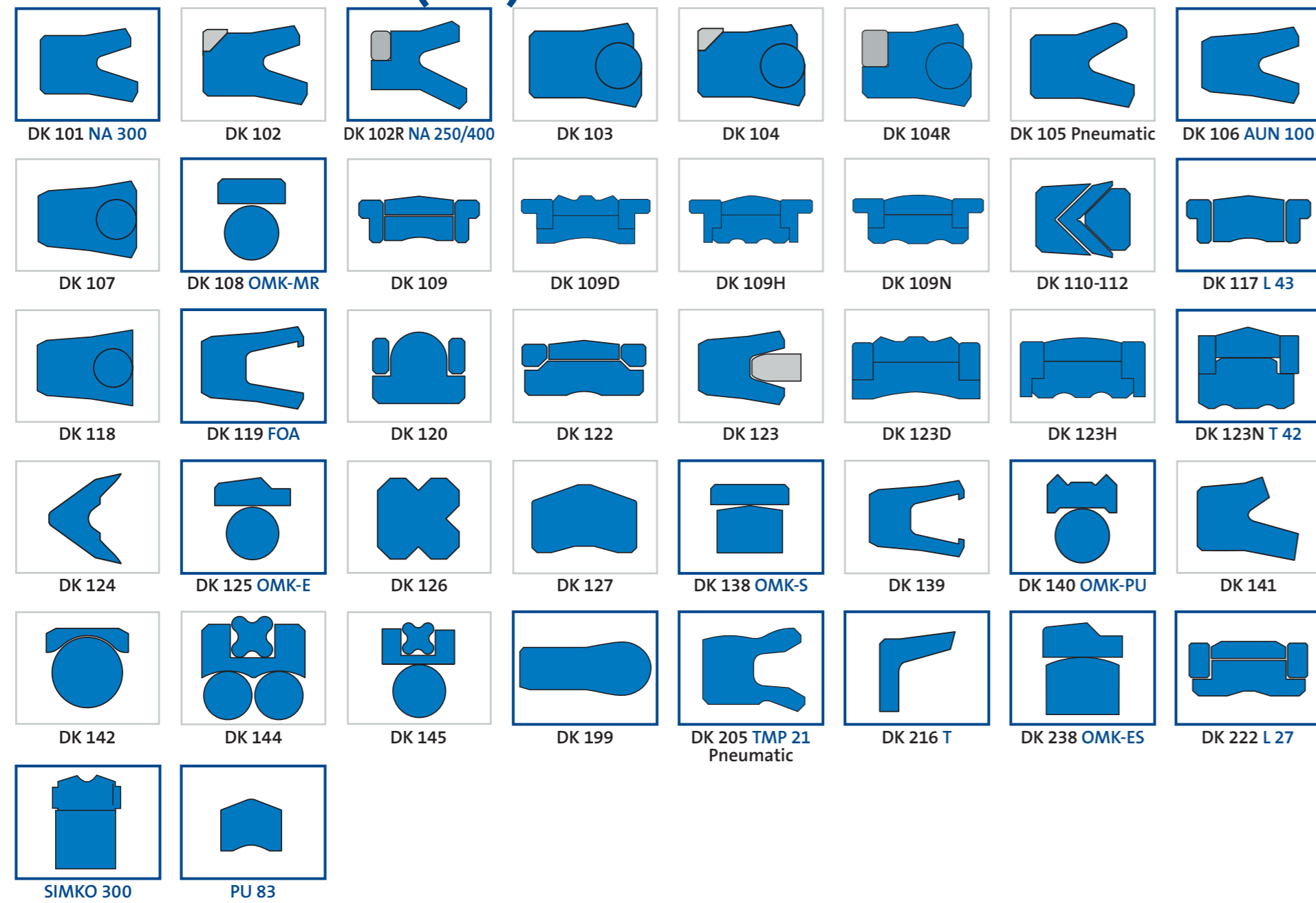
FAST DELIVERY OF SEALING SOLUTIONS AND INDIVIDUAL PARTS WITH PROVEN RELIABILITY

FREUDENBERG XPRESS® MATERIALS

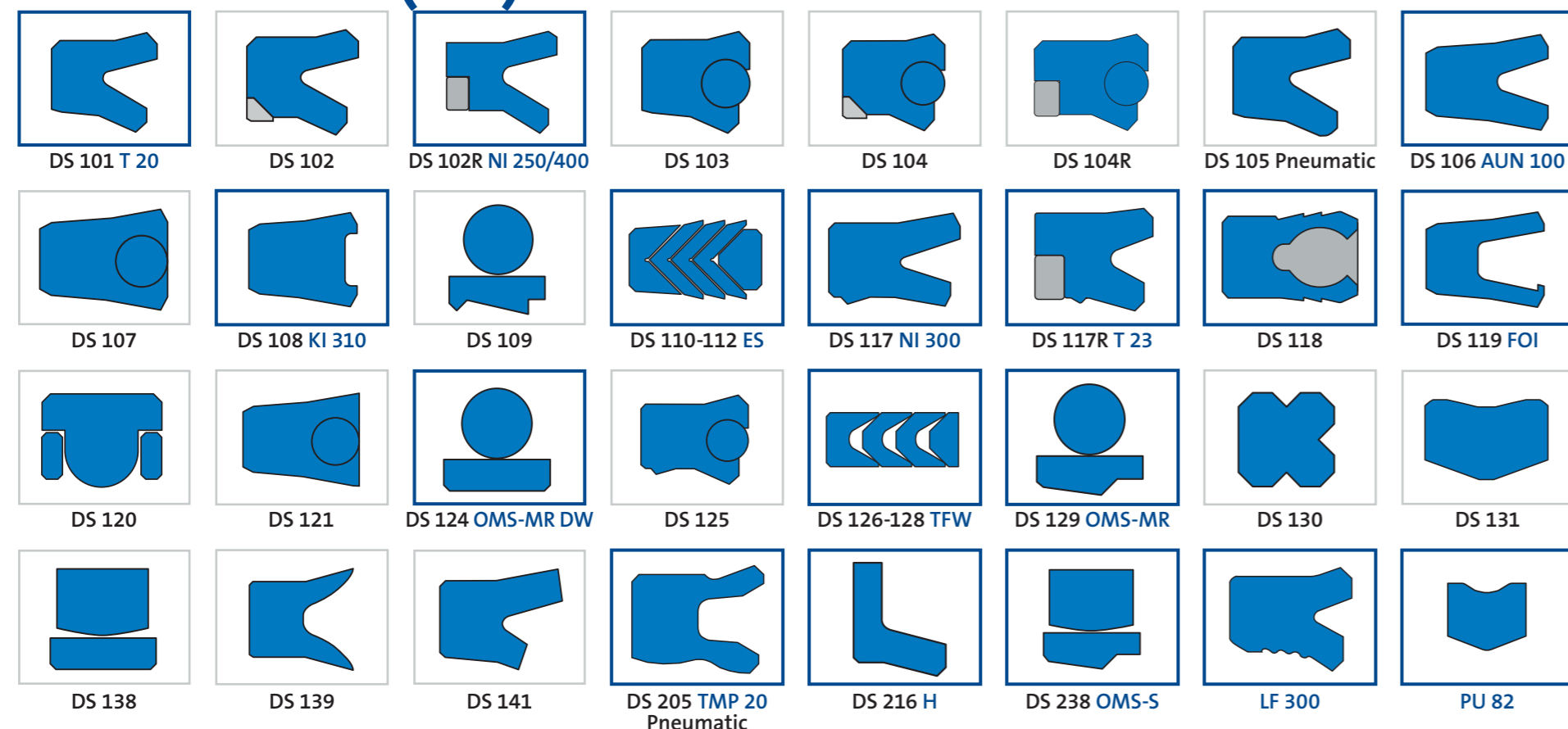
SHORT TERM	REMARK	PHYSICAL PROPERTY		DIMENSIONS	CERTIFICATION REPORT												
		Color	Temperature range [°C]		Hardness: DIN ISO 7619-1 Shore A and Shore D	Material up to the specified diameter available	Conform to FDA	EU Reg. 1935/2004	EU Reg. 10/2011	3-A Sanitary Standard	ADI free	USP Chapter 87	USP Chapter 88	KTW	WZ70	NF 61	NF 51
POLYURETHANE																	
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	+	+	+	+	+							
ELASTOMERS																	
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												
70 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												
POLYTETRAFLUOROETHYLENE (PTFE)																	
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	Black	-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	+	+										
SPECIFIC MATERIALS																	
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 for a continuously updated material overview

PISTON SEALS (DK)



ROD SEALS (DS)



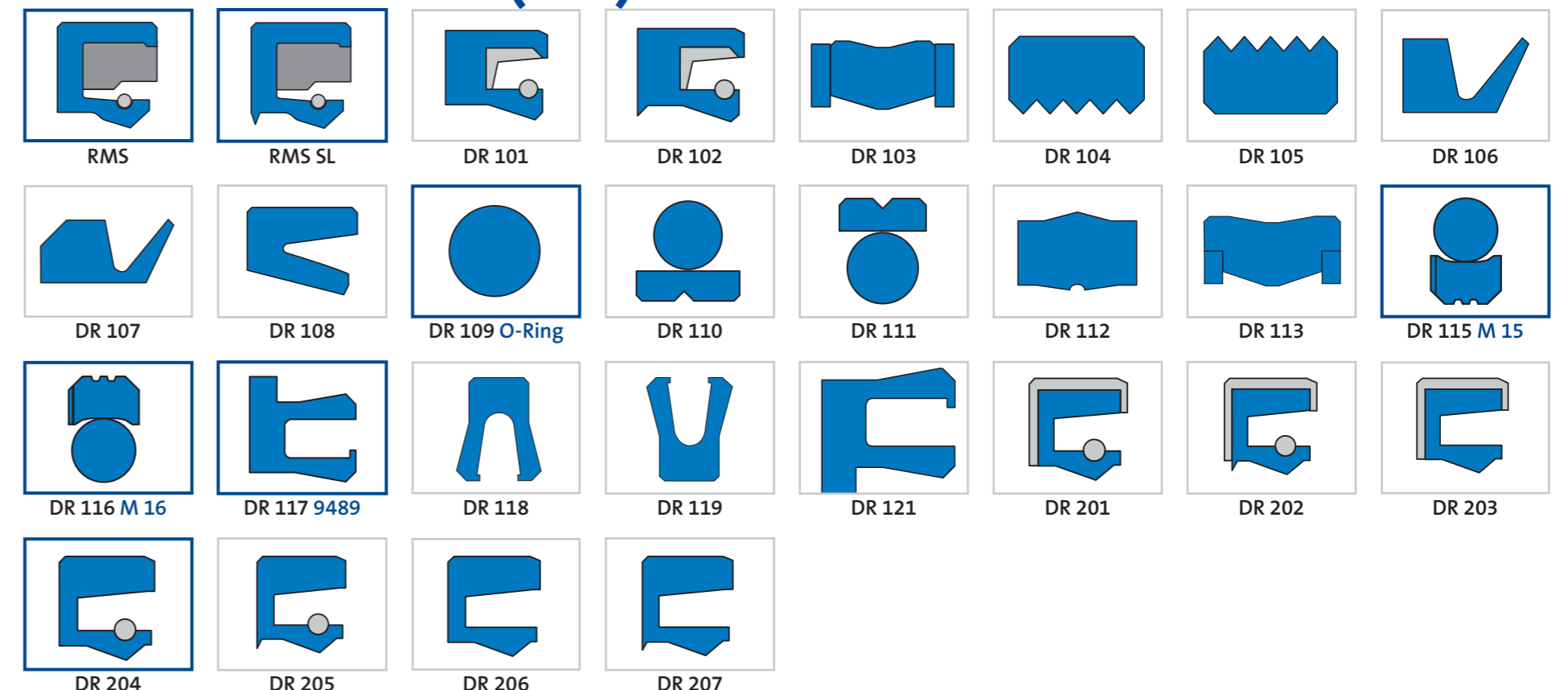
YOUR BENEFITS AT A GLANCE:

- 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

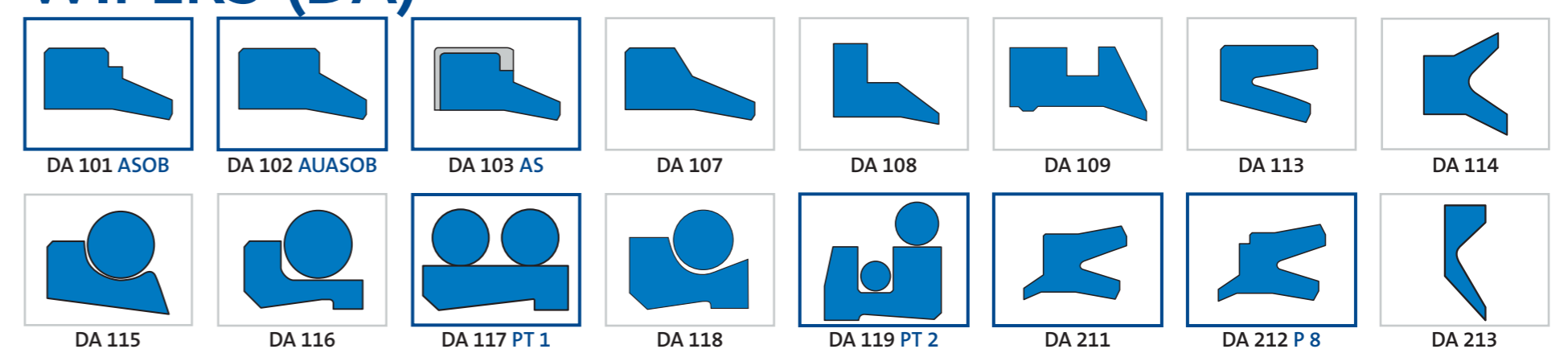
SERVICE CENTER GERMANY (HUB)

Phone: +49 (0) 6691 208 192 • E-mail: freudenbergxpress-de@fst.com

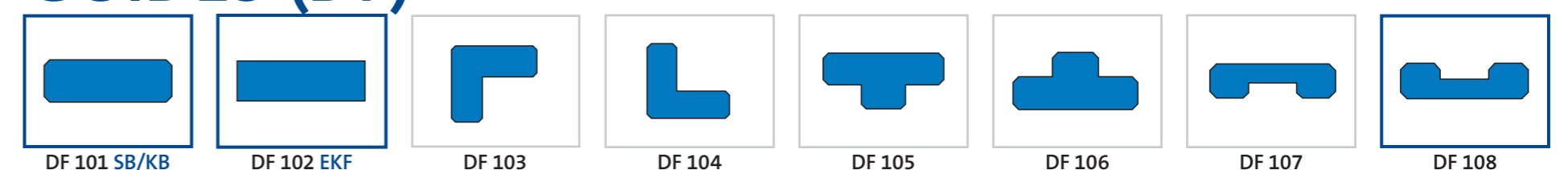
ROTARY SEALS (DR)



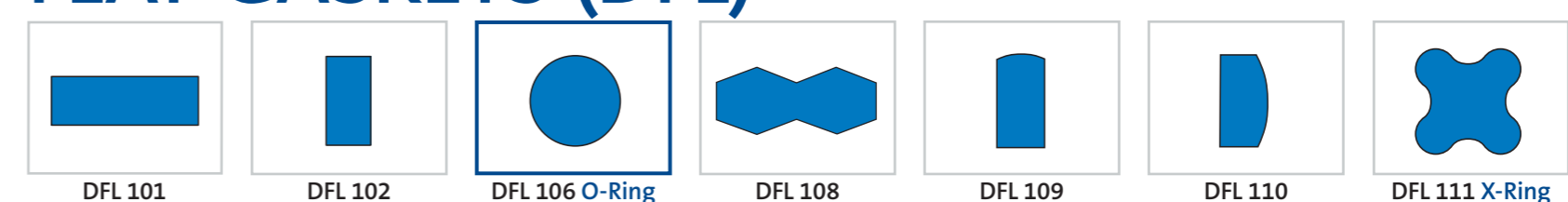
WIPERS (DA)



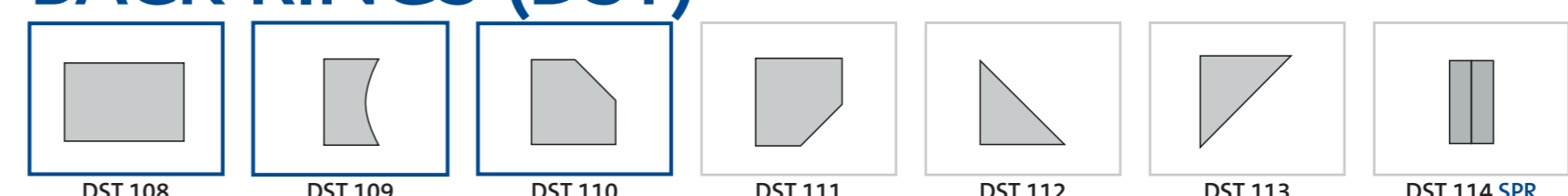
GUIDES (DF)



FLAT GASKETS (DFL)



BACK RINGS (DST)



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