



Freudenberg Xpress

MAINTENANCE, LOW VOLUME, PROTOTYPING

Fast delivery of sealing solutions with proven reliability

MATERIAL EXPERTISE: OVERVIEW OF MATERIALS

Description	Remark	Physical Properties		Approvals											
		Color	Temperature Operating Range (°C)	Hardness DIN 53505 Shore A and Shore D at 23 °C	FDA compliant	EU Directive EG Nr. 1937/2004	EU Directive EG Nr. 2002/72/EG	BR 21: Recommendation	3-A Sanitary Standard	AD Free Animal Derived Ingredient	USP Class VI	KTW	W270	NSF 61	WRAS
Polyurethanes (PU)															
92 AU 925	Original Freudenberg material		-30 ... +110	A 94 ±5											
95 AU 21100	Original Freudenberg material, low temperature		-50 ... +110	A 92 ±5											
95 AU 21730	Orig. Freudenberg material, FDA com., hydrolysis res.		-25 ... +110	A 94 ±5											
95 AU 21420	Orig. Freudenberg material, FDA com., hydrolysis res.		-20 ... +110	A 95 ±5											
93 AU V167	Orig. Freudenberg material, FDA com., hydrolysis res.		-20 ... +110	A 93 ±5											
95 AU V142	Original Freudenberg material		-30 ... +110	A 95 ±5											
Elastomers															
72 NBR 902	Original Freudenberg material		-40 ... +100	A 75 ±5											
75 FKM 585	Original Freudenberg material		-30 ... +200	A 75 ±5											
70 EPDM 291	Original Freudenberg material, FDA compliant		-40 ... +150	A 75 ±5											
85 EPDM 292	Original Freudenberg material, FDA/KTW compliant		-40 ... +150	A 85 ±5											
70 NBR 150	Original Freudenberg material, FDA compliant		-20 ... +100	A 70 ±5											
88 NBR 156	Original Freudenberg material, FDA compliant		-25 ... +100	A 88 ±5											
75 Fluoroprene XP40	Original Freudenberg material, FDA compliant		-15 ... +200	A 75 ±5											
85 NBR	Standard Freudenberg Xpress material		-30 ... +110	A 85 ±5											
85 FKM	Standard Freudenberg Xpress material		-20 ... +220	A 82 ±5											
85 EPDM	Standard Freudenberg Xpress material		-45 ... +130	A 85 ±5											
85 HNBR	Standard Freudenberg Xpress material		-20 ... +150	A 85 ±5											
Flouro-Plastics (PTFE)															
W FLON	Virginal PTFE		-200 ... +260	D ≥58											
G FLON	Filler: 15% glass, 5% MoS ₂		-200 ... +260	D 55 ... 60											
B FLON	Filler: 40% bronze, 2% carbon		-200 ... +260	D 62 ... 67											
C FLON	Filler: 25% carbon		-200 ... +260	D 62 ... 67											
EF FLON	Filler: 10% econol, aromatic polyester, FDA compliant		-200 ... +260	D 57 ±3											
Resin-bonded Fabric															
HG 517	Original Freudenberg material		-30 ... +120												

REMARK: DESCRIPTION IN BLUE COLOR: ORIGINAL FREUDENBERG DESIGN AND MATERIAL

Effective: Jan. 2014

YOUR BENEFITS AT A GLANCE:

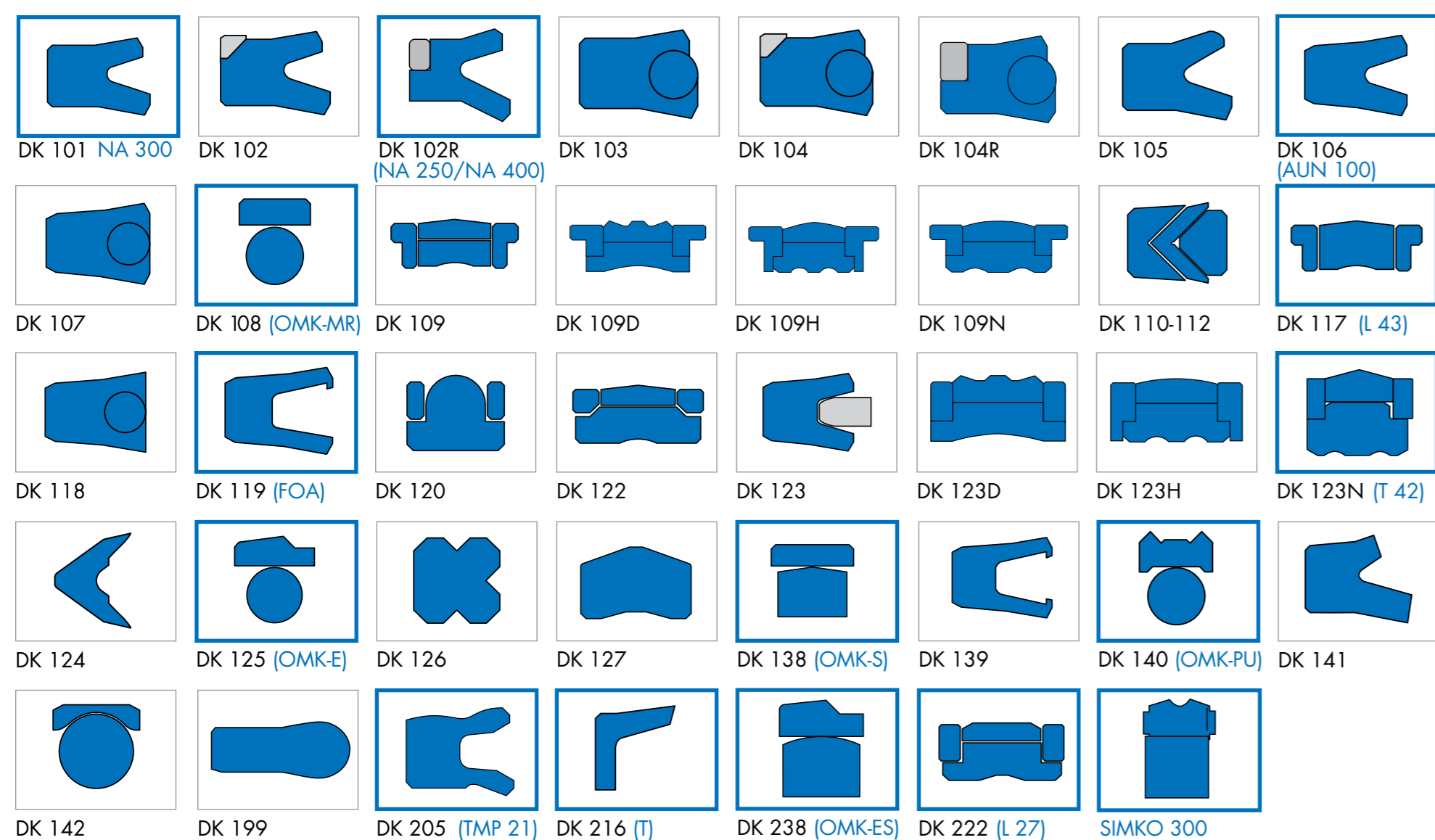
- Customized sealing solutions
- Based on your drawings or ours
- Expert advice available
- Original profiles and materials as used in standard production (FDA compliant)
- Fast delivery for quick maintenance needs – within 24 hours, if needed
- Economic production of small batches
- Prototyping

SERVICE CENTER GERMANY (HUB)

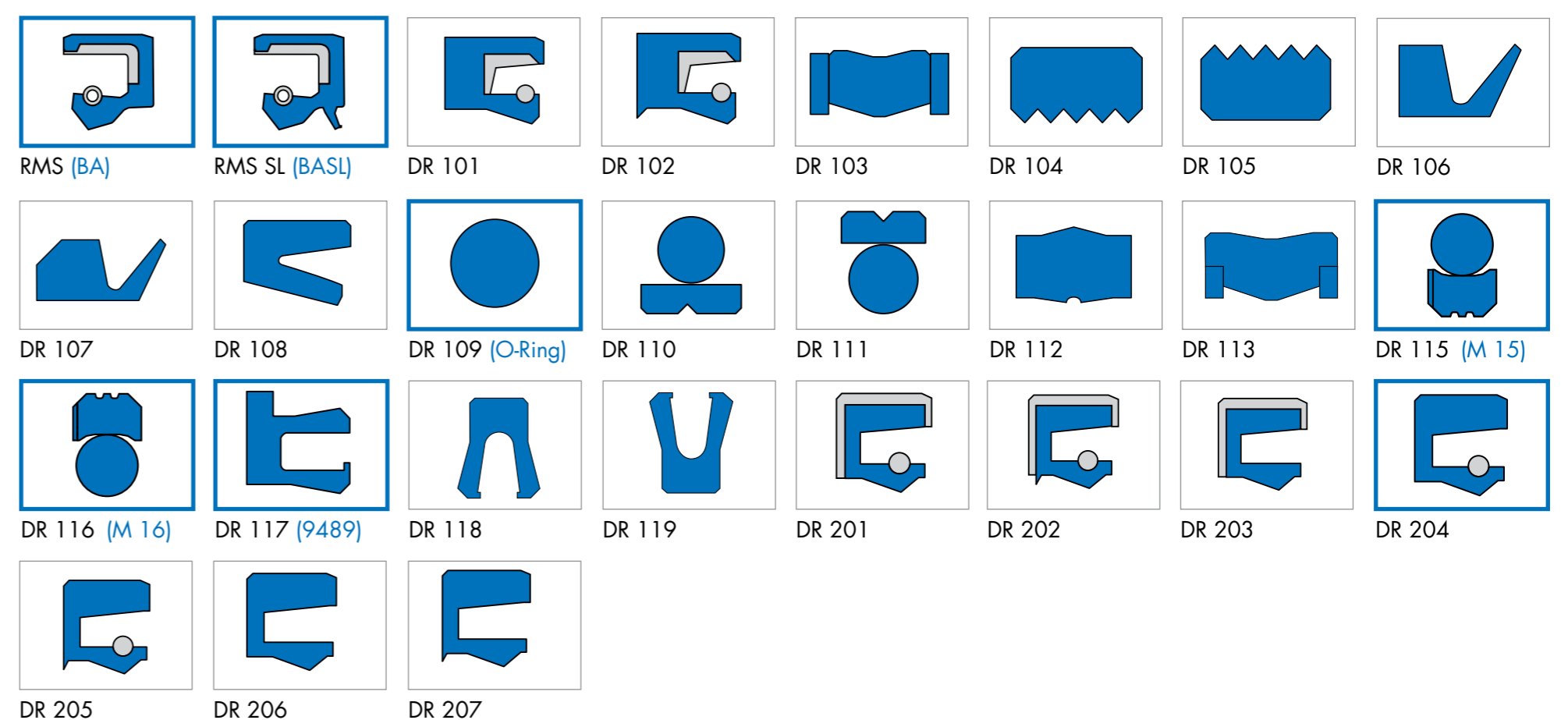
PHONE +49 (0) 6691 208 192

E-MAIL freudenbergxpress-de@fst.com

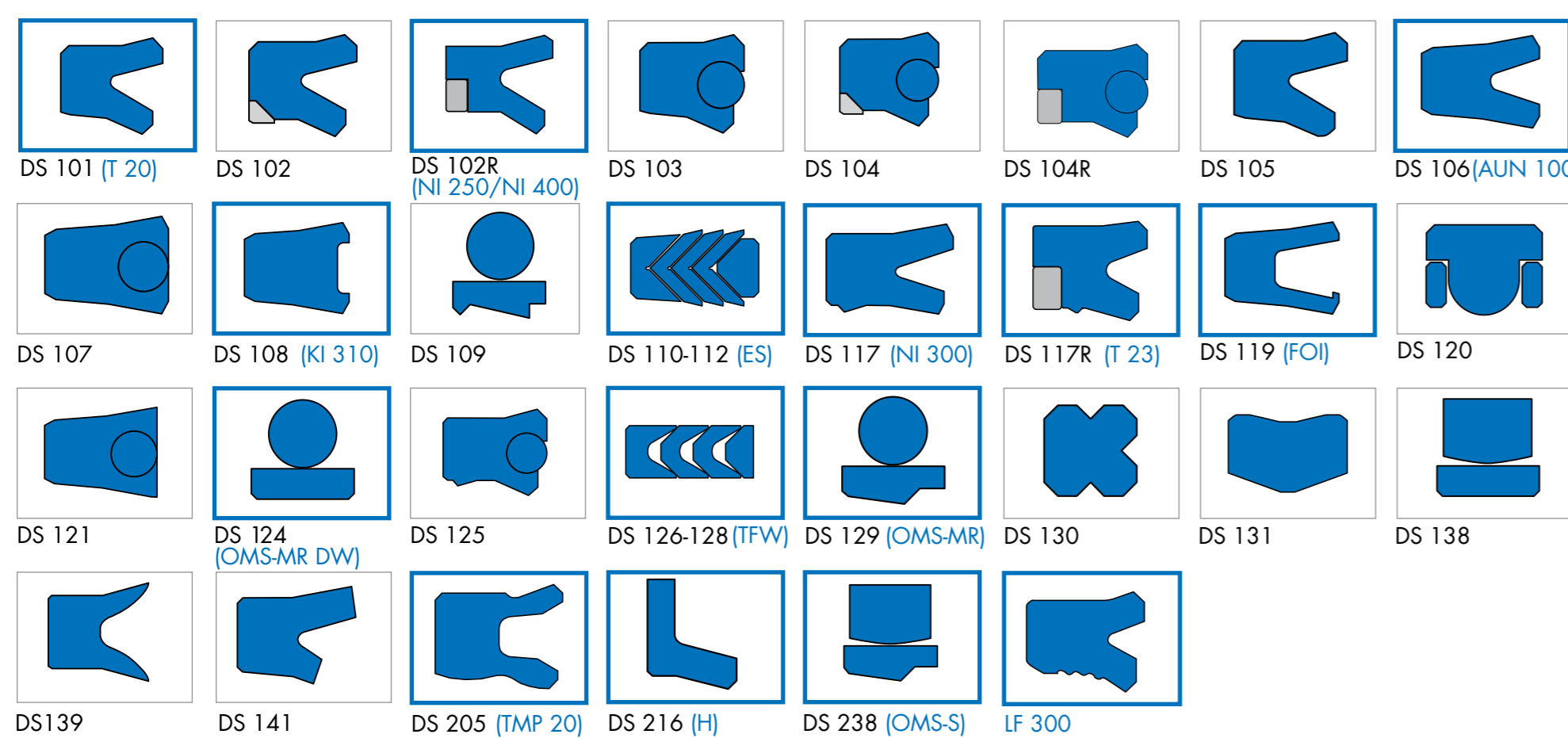
PISTON SEALS (DK)



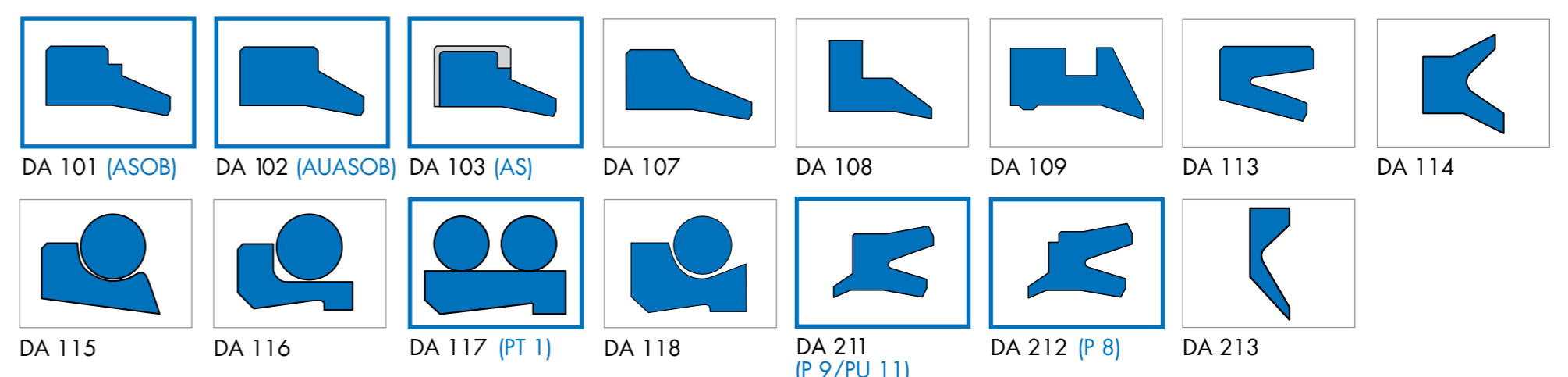
ROTARY SEALS (DR)



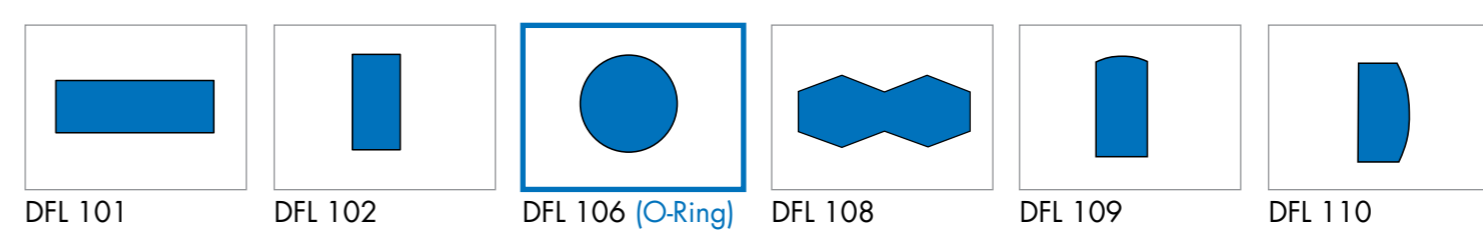
ROD SEALS (DS)



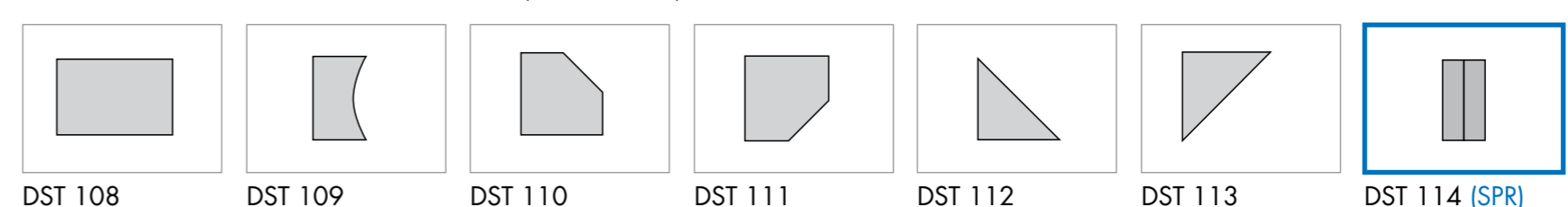
WIPERS (DA)



FLAT GASKETS (DFL)

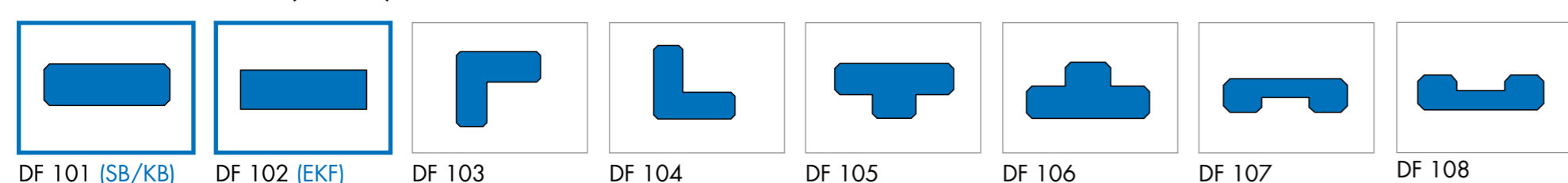


BACK RINGS (DST)



REMARK: SHORTCUTS AND FRAMES IN BLUE COLOR: ORIGINAL FREUDENBERG DESIGN AND MATERIAL

GUIDES (DF)



Freudenberg Xpress

Freudenberg
Sealing Technologies