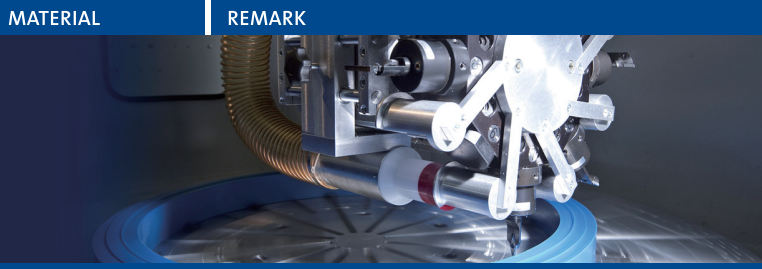


FREUDENBERG XPRESS® – MAINTENANCE, LOW VOLUME, PROTOTYPING

FAST DELIVERY OF SEALING SOLUTIONS AND INDIVIDUAL PARTS WITH PROVEN RELIABILITY

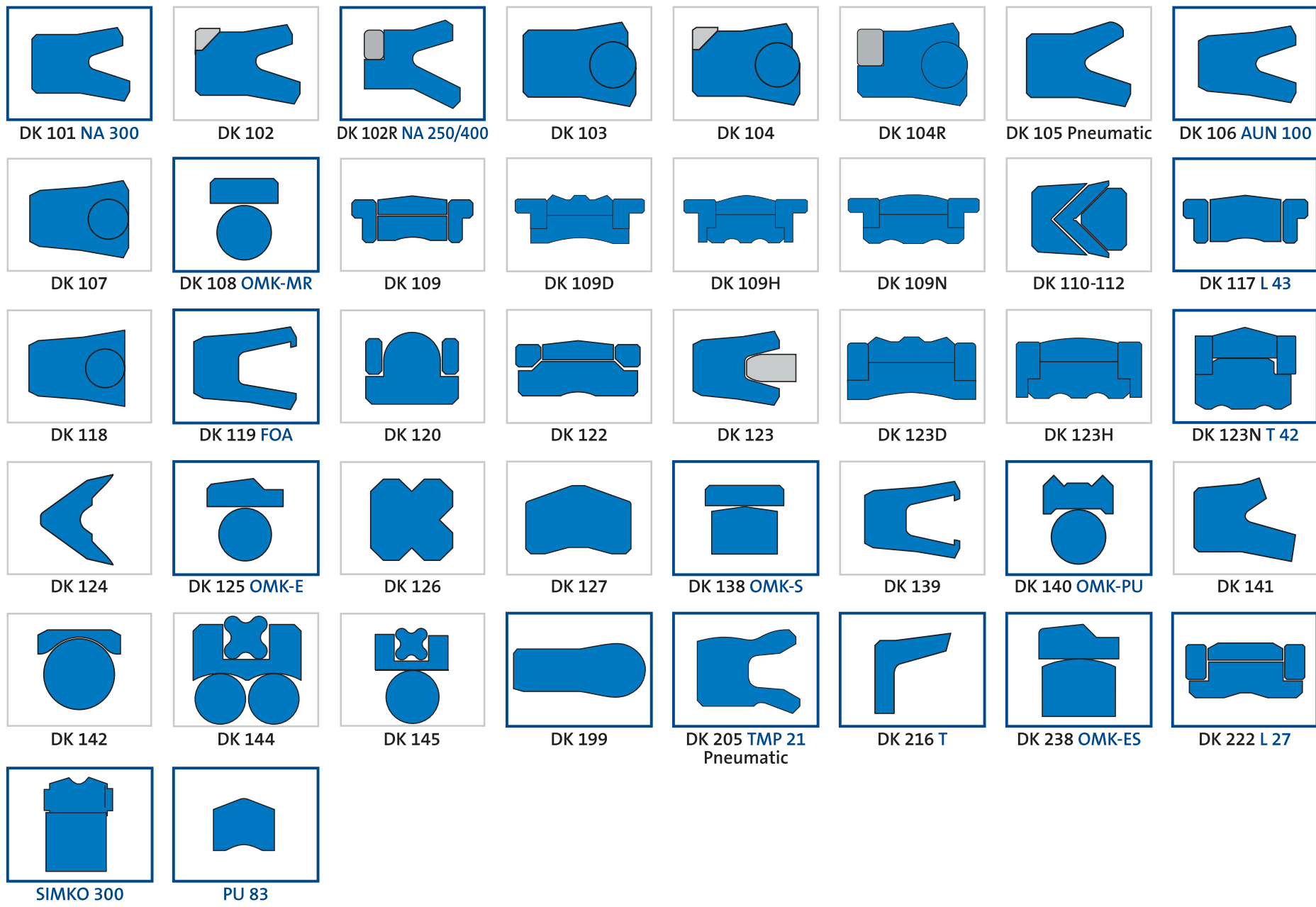
MATERIAL EXPERTISE: OVERVIEW OF MATERIALS 材料概述

MATERIAL	REMARK	PHYSICAL PROPERTY		MEASURE	CERTIFICATION REPORT												
		Color	Temperature range [°C]	Hardness DIN ISO 7619-1 Shore A and Shore D	Diameters in mm available on stock (larger diameters on request)	Conform to FDA	EU Reg. 1935/2004	EU Reg. 10/2011	3-A Sanitary Standard	ADI free	USP Chapter 87	USP Chapter 88	KTW	W270	NSF 61	NSF 51	WRAS
POLYURETHANE																	
94 AU 925	Original Freudenberg material	Blue	-30 to +110	A 94 ±3	to 1.000												
94 AU 30000	Original Freudenberg material	Blue	-35 to +120	A 94 ±3	to 380												
95 AU V142	Original Freudenberg material	Blue	-30 to +110	A 95 ±3	to 380												
92 AU 21100	Original Freudenberg material, low temperature	Yellow	-50 to +110	A 92 ±3	to 250												
94 AU 21730	Original Freudenberg material-FDA, hydrolysis resistance	Blue	-25 to +110	A 94 ±3	to 250	+	+	+	+	+							
98 AU 928	Original Freudenberg material	Blue	-30 to +110	A 97 ±3	to 250												
93 AU V167	Original Freudenberg material-FDA, hydrolysis resistance	Red	-20 to +110	A 93 ±3	to 600	+	+	+									
ELASTOMERS																	
72 NBR 902	Original Freudenberg material	Blue	-40 to +100	A 75 ±5	to 250												
70 FKM 576	Original Freudenberg material	Black	-15 to +200	A 70 ±5	to 250					+							
75 FKM 585	Original Freudenberg material	Black	-30 to +200	A 75 ±5	to 250												+
70 EPDM 291	Original Freudenberg material, FDA	Black	-40 to +150	A 75 ±5	to 250	+	+		+	+	+	+		+	+		
85 EPDM 292	Original Freudenberg material, FDA	Black	-40 to +150	A 85 ±5	to 250	+	+		+	+	+	+		+	+		+
70 NBR 150	Original Freudenberg material, FDA	Black	-20 to +100	A 70 ±5	to 250	+	+		+	+	+	+			+		
88 NBR 156	Original Freudenberg material, FDA	Black	-25 to +100	A 88 ±5	to 250	+	+		+	+	+	+					
75 Fluoroprene XP 41	Original Freudenberg material, FDA	Blue	-15 to +200	A 75 ±5	to 250	+	+		+	+	+	+	+	+		+	
85 NBR 33994FXP	Standard Freudenberg Xpress material	Black	-25 to +110	A 85 ±5	to 600												
82 FKM 33991FXP	Standard Freudenberg Xpress material	Black	-20 to +200	A 82 ±5	to 400												
85 EPDM 33992FXP	Standard Freudenberg Xpress material	Black	-45 to +130	A 85 ±5	>250 to 400												
85 HNBR 33993FXP	Standard Freudenberg Xpress material	Green	-20 to +140	A 85 ±5	to 250												
POLYTETRAFLUOROETHYLENE (PTFE)																	
PTFE B602	Original Freudenberg material	Red	-200 to +260	D 66 ±3	to 500												
PTFE C104	Original Freudenberg material	Grey	-200 to +260	D 60 ±3	to 500												
W FLON	Standard Freudenberg Xpress material, Virgin/FDA	White	-200 to +260	D 54 ±3	to 1.000	+	+	+									
G FLON	Standard Freudenberg Xpress material, 15% Glass	Grey	-200 to +260	D 58 ±3	to 500												
B FLON	Standard Freudenberg Xpress material, 40% Bronze	Black	-200 to +260	D 61 ±3	to 1.000												
C FLON	Standard Freudenberg Xpress material, 25% Carbon	Black	-200 to +260	D 67 ±3	to 500												
EF FLON	Standard Freudenberg Xpress material, 10% Econol	Orange	-200 to +260	D 57 ±3	to 250	+	+	+									
SPECIFIC MATERIALS																	
HC 517	Original Freudenberg material - Laminated Fabric	Grey	-30 to +120		to 400												
POM	Standard Freudenberg Xpress material	White	-45 to +100	D 85 ±3	to 280	+											
PA	Standard Freudenberg Xpress material	White	-40 to +110	D 85 ±3	>280 to 600												

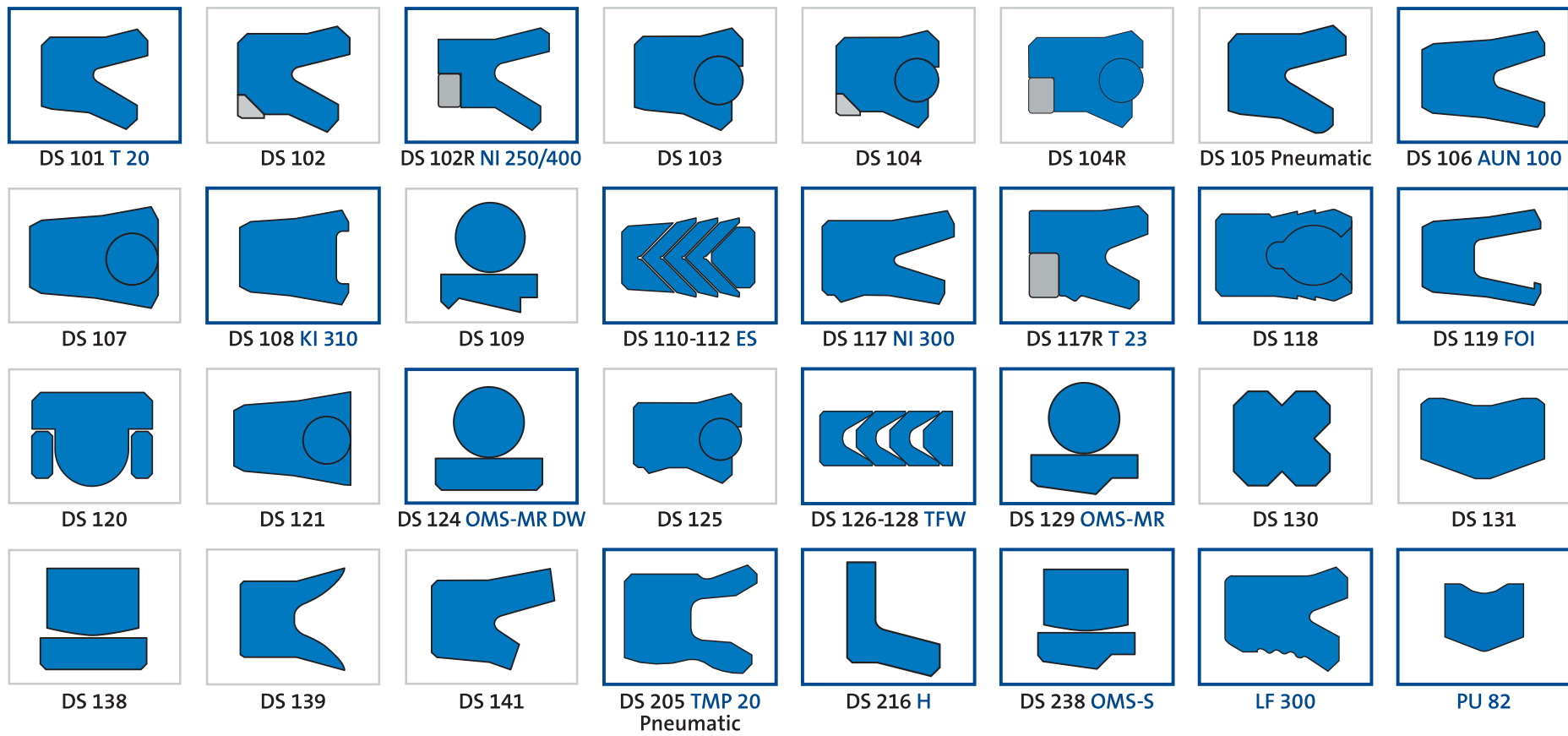
Effective: January 2017

Remark: Additional non-standard parts on request

PISTON SEALS (DK) 活塞密封



ROD SEALS (DS) 活塞杆密封



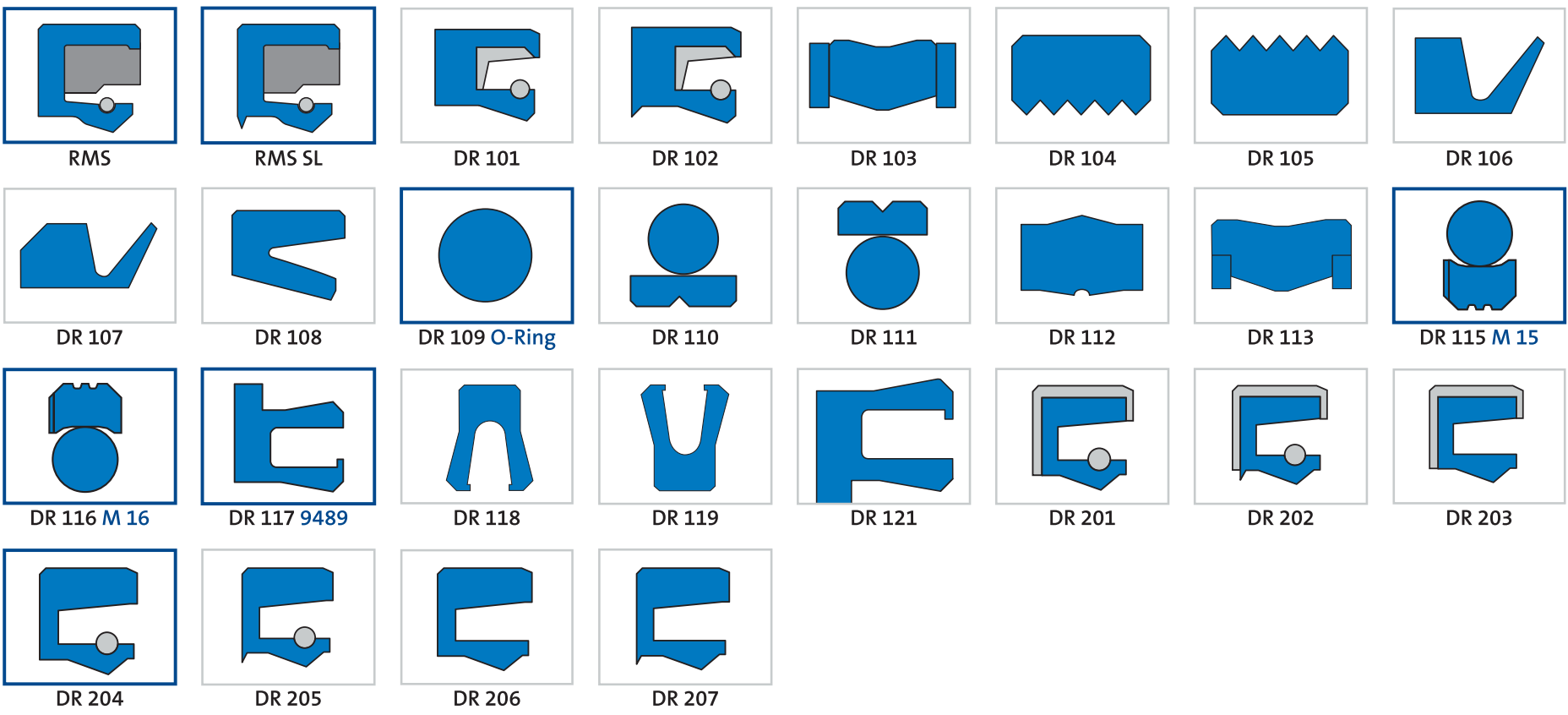
YOUR BENEFITS AT A GLANCE: 优点列举

- Customized sealing solutions 专业定制密封解决方案
- Based on your drawings or ours 依图加工，专业图纸设计
- Expert advice available 专家技术支持
- Original profiles and materials as used in standard production 标准化生产采用原始的密封剖面设计及材料
- Fast delivery for quick maintenance needs – within 24 hours, if needed 针对快速维修需求，可快速交货（24小时之内）
- Economic production of small batches 经济的小批量生产
- Solutions for the process industry including FDA compliance and approvals like USP Class VI VI/ FDA认证
- Prototyping 原型设计开发

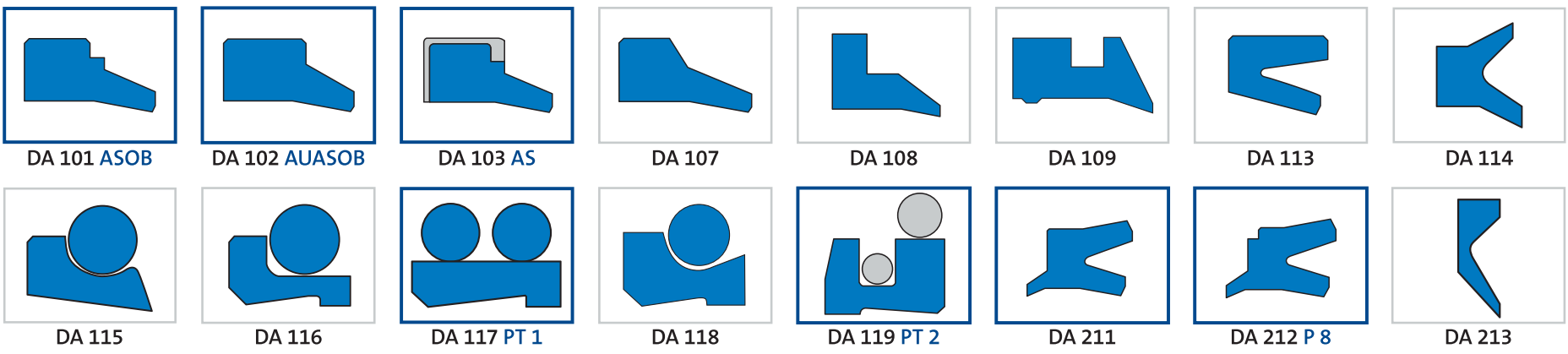
北京东山机械技术有限公司
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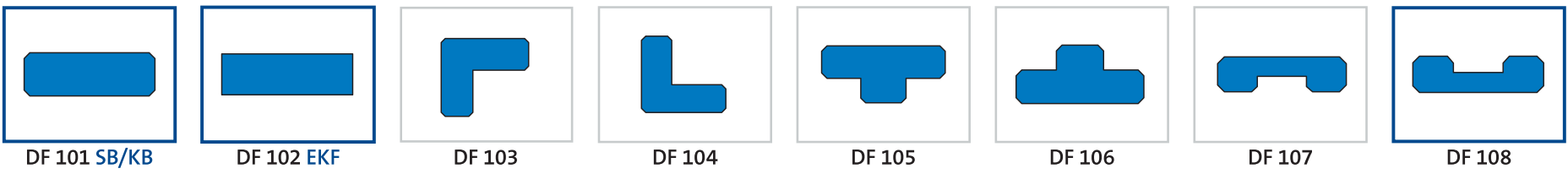
ROTARY SEALS (DR) 旋转密封



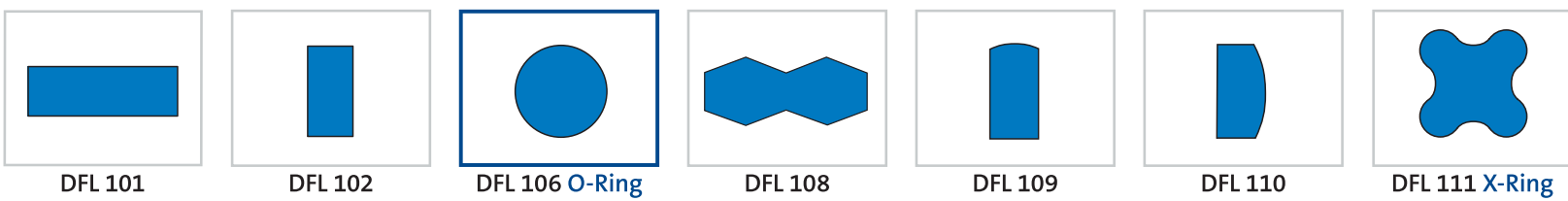
WIPERS (DA) 防尘圈



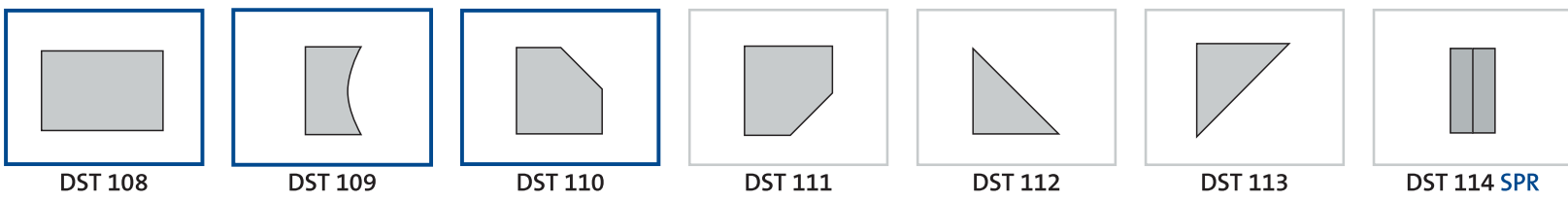
GUIDES (DF) 导向带



FLAT GASKETS (DFL) 异形静密封



BACK RINGS (DST) 挡圈



Remark: Shortcuts and frames in blue color: original Freudenberg design and materials