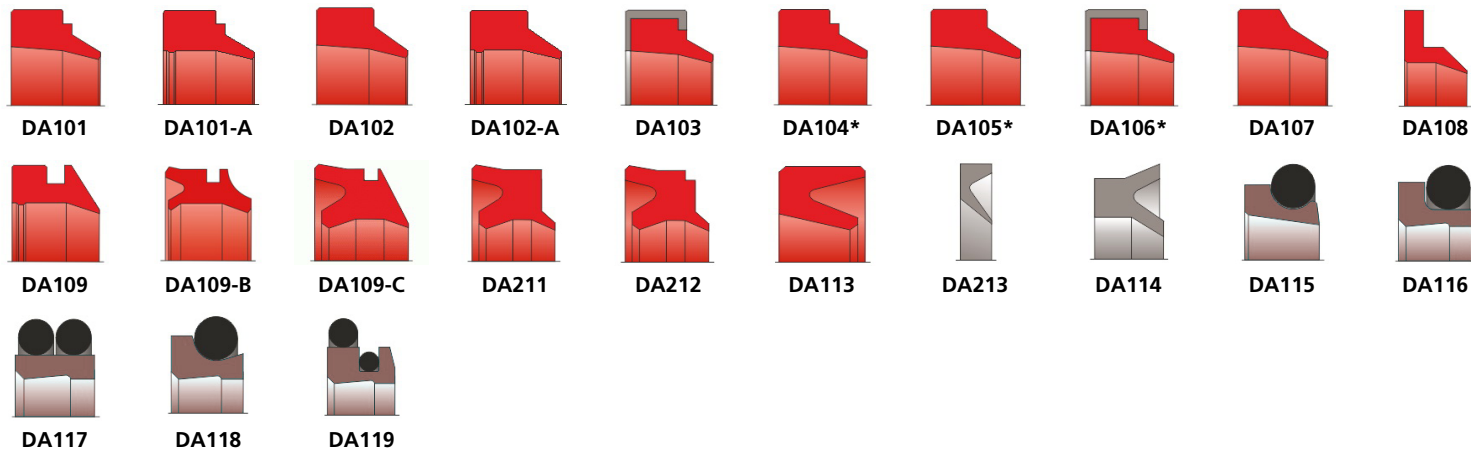


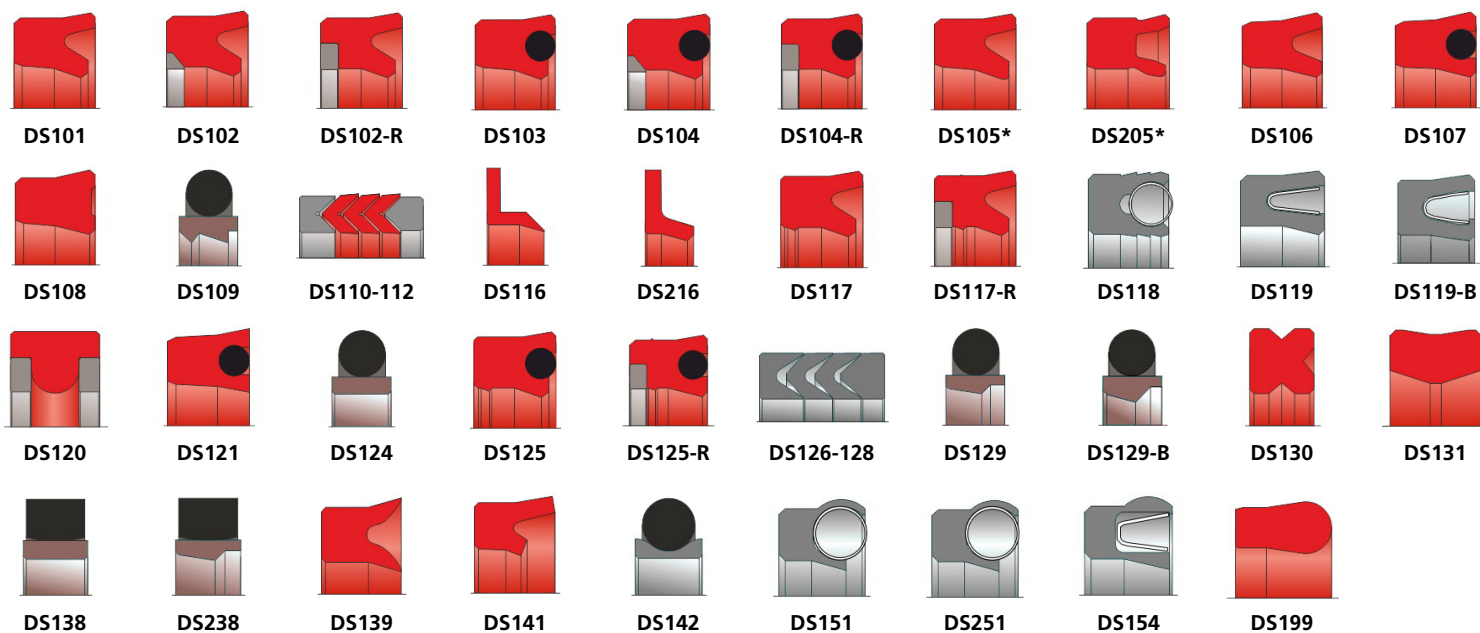
Profiles & materials

Profiles

Wipers



Rod seals

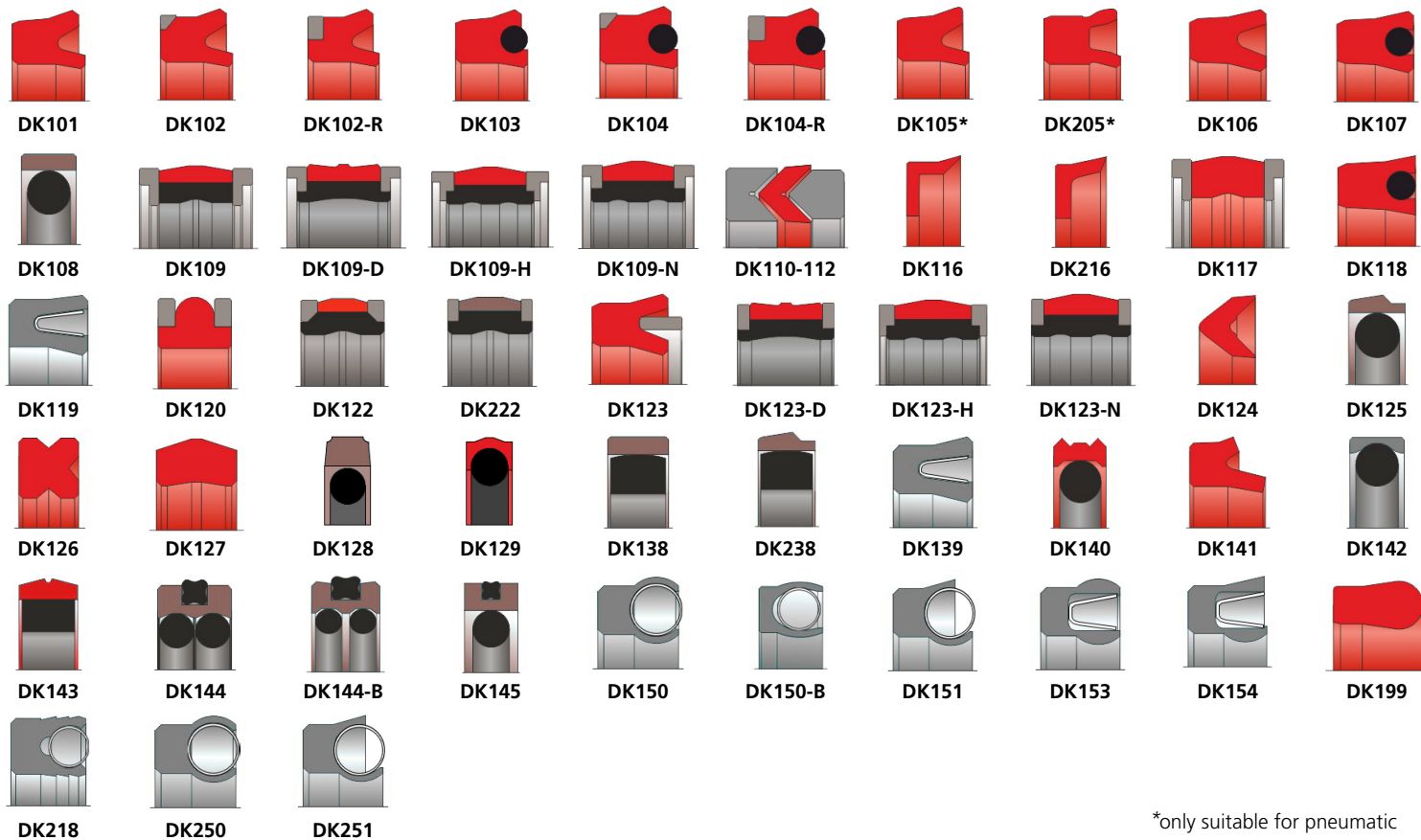


* only suitable for pneumatic applications



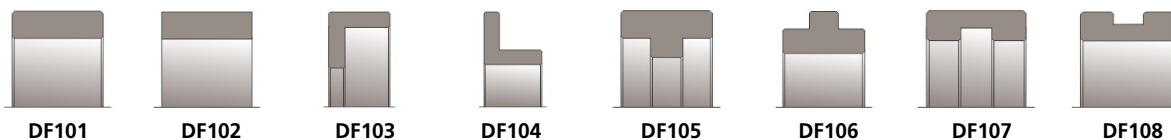
Profiles

Piston seals



*only suitable for pneumatic applications

Guide rings



Steunringen



Profiles

Radial seals



DR103



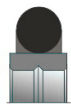
DR104



DR105



DR108



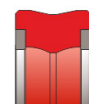
DR110



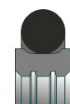
DR111



DR112



DR113



DR115



DR116



DR117



DR121

Oil seals



DR101



DR102



DR201



DR202



DR203



DR204



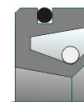
DR205



DR206



DR207



DR101-F

V-rings



DR106

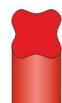


DR107

O-rings & Quad-rings



DFL106



DFL111

Frang seals



DFL101



DFL102



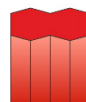
DFL103



DFL104



DFL105



DFL108



DFL109



DFL110



DFL112-A



DFL112-B



DR118



DR119

Material Overview [* standard material selection]

Material	Color	Compound no.	Description	Hardness [shore]	Temp. [°C]	
					min.	max.
NBR *	Black	1085-00121	Nitrile Butadiene Rubber	85	-30	110
NBR	White	1085-01812	Nitrile butadiene rubber, FDA, EC 1935/2004	85	-22	100
FKM *	Black	1185-00121	Fluorocarbon rubber	85	-20	210
FKM	Brown	1185-01811	Fluorocarbon rubber, Viton®	85	-20	210
FKM	Brown	1185-01812	Fluorocarbon rubber, FDA, EC 1935/2004	85	-25	210
EPDM *	Black	1285-00121	Ethylene-Propylene-Diene-Monomer rubber, Peroxide cured	85	-45	130
EPDM	White	1285-01812	Ethylene-Propylene-Diene-Monomer rubber, FDA, EC 1935/2004	85	-50	100
VMQ	Light Blue	1385-00121	Silicone rubber	85	-60	200
VMQ *	Transparent	1385-00122	Silicone rubber, FDA	85	-60	200
H-NBR	Green	1885-00121	Hydrogenated Nitrile Butadiene Rubber	85	-20	150
H-PU *	Red	1595-00121	Hydrolysis-resistant Polyurethane	95	-20	115
H-PU	Light red	1594-00122	Hydrolysis-resistant Polyurethane, FDA, EC 1935/2004	94	-20	115
H-PU	Light Green	1590-01811	Hydrolysis resistant Polyurethane, for pneumatics	90	-30	115
H-PU	Orange	1595-01812	Hydrolysis resistant Polyurethane, higher temperature	95	-30	135
H-PU	Light Blue	1595-01813	Hydrolysis resistant Polyurethane, FDA, EC 1935/2004, low temperature	95	-50	105
H-PU	Purple	1595-01814	Hydrolysis resistant Polyurethane, FDA, EC 1935/2004, CIP suitable	95	-30	115
H-PU	Dark Red	1595-01815	Hydrolysis resistant Polyurethane, low friction	95	-30	125
H-PU	Blue	1557-01811	Hydrolysis-resistant Polyurethane, FDA, EC 1935/2004	57D	-30	125
PU	Light yellow	1558-00471	Polyurethane, alternative for Z52® and Z54®.	58D	-70	130
PU	Light Yellow	1572-00471	Polyurethane, alternative for Z51® and Z53®.	72D	-70	130
PTFE *	White	1699-01381	PTFE pure white, FDA, EC 1935/2004, USP Class VI	51D	-200	260
PTFE *	Grey	1699-01382	PTFE 15% Glass, 5% MoS2	55D	-200	260
PTFE *	Brown	1699-01383	PTFE 40% Bronze	58D	-200	260
PTFE *	Dark gray	1699-01384	PTFE 25% Carbon	60D	-200	260
PTFE	Black	1699-01385	PTFE 15% Graphite	55D	-200	260
PTFE	Cream	1699-01386	PTFE 10% Ekonol	55D	-200	260
PTFE	Natural	1699-01387	PTFE 25% Glass	70D	-200	260
PTFE	Turquoise	1699-00125	PTFE 1% Turquoise, more wear resistant than pure white PTFE	57D	-200	260
POM	White	1999-01811	Polyacetal, food grade	85D	-50	100
PA	Natural	3299-01811	Polyamide, from approx. 215 mm inner diameter	85D	-30	100
UHMW-PE	Natural	3399-01481	Ultra-High-Molecule-Weight PolyEthylene, EC 1935/2004	63D	-200	80