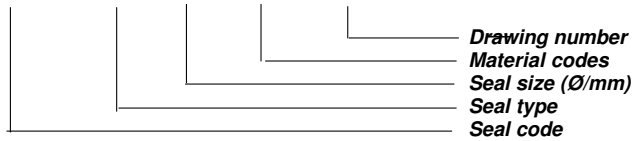


NOMENCLATURE OF JOHN CRANE SAFEMATIC SEALS

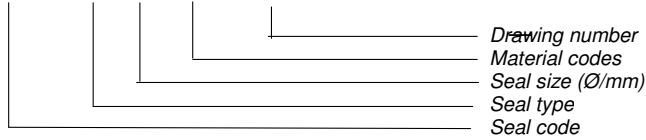
FOUR DIGIT SYSTEM:

XXXXXXXX - XXX - XXX - XXXX - XXXXXX



Example:

21002065 SAF-100-QRMG-304691



XXXXXXXX	XXX	XXX	X	X	X	X	XXXXXX
<b>Drawing number</b>							
<b>Material codes</b>							
Single Seal:				<b>Atmospheric side seal face material or type</b>			
Double Seals:				O-NO ATM. SIDE FACES			
Quench Seals:				N-TC vs Carbon			
				G-SiC vs Carbon			
				Q-SiC vs SiC			
				V-V-ring			
				M-Labyrinth			
				P-Packings			
				H-Lip seal			
<b>Material codes</b>				<b>Elastomers, wetted</b>		<b>Elastomers, others</b>	
				M-PTFE		EPDM	
				N-PTFE		FKM (Viton)	
				E-EPDM		EPDM	
				V-FKM (Viton)		FKM (Viton)	
				K- FFKM (Isolast, Kalrez...)		EPDM	
				L- FFKM (Isolast, Kalrez...)		FKM (Viton)	
				X-Special, see drawing		Special, see drawing	
<b>Material codes</b>				<b>Metallurgy wetted parts</b>			
				R-AISI 316/329 (SS 2343/2324, W 1.4436/1.4460)			
				T-Titanium			
				U-UHB 904 L (Alloy 20, SS2562, W 1.4539))			
				X-special, see drawing			
				S-SMO 254 (Avesta)			
				H-Hastelloy C			
				F-Fe 52			
<b>Material codes</b>				<b>Product side seal face material</b>			
				Q-SiC vs SiC			
				G-SiC vs Carbon			
				T-TC vs TC			
				N-TC vs Carbon			
				P-Ceramic vs PTFE with glass fiber reinforcement			
				Z-AISI 329 (chrome casting) vs Carbon			
<b>Seal size (Ø/mm)</b>							
<b>Seal type (Examples)</b>							
JCS2 = Double application specific seal				JCS1 = Single application specific seal			
JCS2A = Double application specific seal for Sulzer liquid ring pumps				JCS1F = Single application specific seal with flush into the medium			
JCS2M = Double application specific seal for Sulzer multistage pumps				JCS1A = Single application specific seal for Sulzer liquid ring pumps			
JCS2-MC = Double application specific seal for Andritz MC-pumps				JCS1M = Single application specific seal for Sulzer multistage pumps			
JCS2E = Double application specific seal for Sulzer hot liquid pumps				JCS1G = Single application specific grease seal			
SAB = Double application specific seal				JCS1FM = Single application specific seal with flush into the medium for Sulzer multistage pumps			
SAF = Double application specific seal				SAS = Single application specific seal			
SE2 = Double application specific seal				SE1 = Single application specific seal			
SE2C = Double application specific cartridge seal				SE1C = Single application specific cartridge seal			
SE2F = Double application specific seal with water flush into the medium				SE1F = Single application specific seal with flush into the medium			
SB2 = Double cartridge seal				SB1 = Single cartridge seal for DIN Standard dimensions			
SB2A = Double cartridge seal for ANSI Standard dimensions				SB1A = Single cartridge seal for ANSI Standard dimensions with flush			
SB2B = Double cartridge seal for Big bore dimensions				SB1B = Single cartridge seal for Big bore dimensions			
SB2S = Double cartridge seal for Special dimensions				SB1S = Single cartridge seal for Special dimensions			
SB2A-PR = Double cartridge seal with pumping ring (for ANSI dimensions)				SBE = Single metall bellow seal (DIN 24960) (obsoleted seal)--> T680			
SB2B-PR = Double cartridge seal with pumping ring for Big bore dimension				SBW = Single quench cartridge seal for DIN Standard dimensions			
SB2S-PR = Double cartridge seal with pumping ring for metric dimensions				SBWG = Single cartridge grease seal			
SB2S = Double cartridge seal for special dimensions				SEW = Application specific quench seal			
SBG = Double refiner seal				SEG = Single application specific grease seal			
SRL = Roll seal (paper machine)				SEH = Single application specific seal with water flush into the medium			
(SPC = Double high pressure seal (Safepac))				(SAW = Application specific quench seal, old type)			
(MS2 = Double application specific seal for Ahlström KEST-pump)				(SAG = Application specific grease seal, old type)			
(MSW = Single quench application specific seal for Ahlström KEST-pump)				(SEO = Application specific oil lubricated seal)			
(MS1 = Single application specific seal for Ahlström KEST-pump)							
(SBT = PTFE -bellow seal, obsoleted type)							
(SBR =Rubber bellow seal, obsoleted type)							
<b>Seal code</b>				<b>Code given by Safematic</b>			