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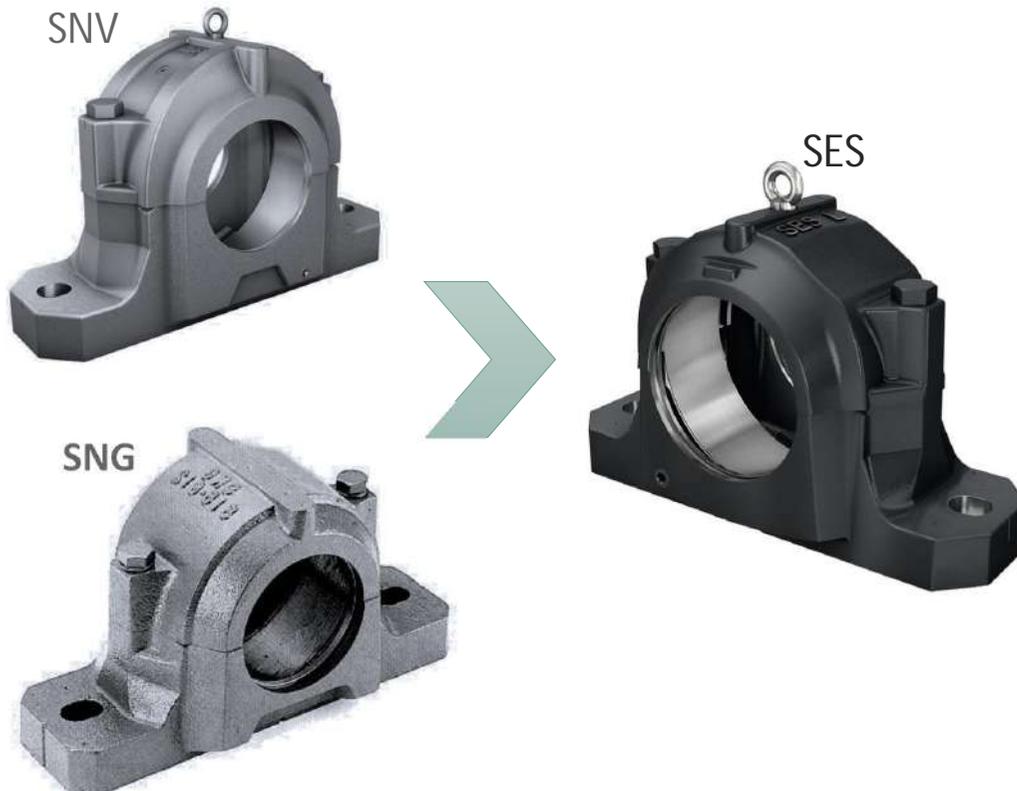
SES housing

to replace existing SNV and SNG housing series

Product Management Industrial
4/15/2021

SES housing product presentation
SES housing at a glance

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SES key features

- Optimized design for longer bearing life time **USP**
- High performance, high break loads
- New designation system to fit market standards
 - SNV100 → SES511 / SES211
- Adjusted dimensions to ensure interchangeability
 - Housing exchangeable to competitor housing
 - Seals exchangeable to competitor seals
- Largest portfolio range **USP**
- Effective lubrication
 - Threaded holes for grease lubrication **USP**
 - Grease outlet hole as standard
- Universal paint coating
- High quality housing material grey cast iron EN-GJL-300 in anthracite grey color as SNS housings
- Connection option for condition monitoring
- Simple (dis-)mounting and precise positioning

Product range and portfolio

Housing designation		
SNV	SES	
SNV Type	500-600 series	200 series
SNV052	SES505	SES205
SNV062	SES506-605	SES206-305
SNV072	SES507-606	SES207
SNV080	SES508-607	SES208-307
SNV085	SES509	SES209
SNV090	SES510-608	SES210
SNV100	SES511-609	SES211
SNV110	SES512-610	SES212
SNV120	SES513-611	SES213
SNV125		SES214**
SNV130	SES515-612	SES215
SNV140	SES516-613	SES216
SNV150	SES517	SES217
SNV160	SES518-615	SES218
SNV170	SES519-616	
SNV180	SES520-617	
SNV190	SES618-318**	
SNV200	SES522-619	
SNV215	SES524-620	
SNV230	SES526	
SNV240	SES622-322**	
SNV250	SES528	
SNV260	SES624-324**	
SNV270	SES530	
SNV280*	-	
SNV290	SES532	
SNV300*		
SNV320*		
SNV340*		



Accessories portfolio:

- Double lip seal - EDH
- Felt seal - EFS
- Labyrinth seal - ETS
- V-ring seal - EDV
- Taconite seal - ETC

- Cover - EDK (plastic), EDKT (steel)
- Locating ring - FRM

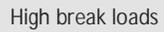
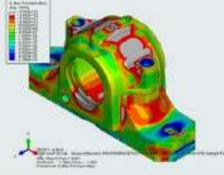
Available on demand:

- Ductile iron version - suffix -D
- Four bolt version - suffix -G944..

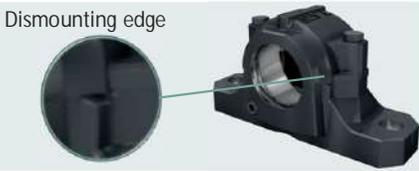
* marked SNV types will be not offered as SES, can be covered by SNS range

** Types not available in competitor portfolio – Schaeffler USP

Product design comparison SNV vs. SES [1/2]

		OLD SNV Design	NEW SES Design			OLD SNV Design	NEW SES Design			OLD SNV Design	NEW SES Design			
General Design Features	Non marked conform designation SNV100-F-L		Marked conform designation SES511-609-L / SES211-L	General Design Features	Modular system		Modular system	General Design Features	Grey cast iron EN-GJL-HB215		Higher quality material Grey cast iron EN-GJL-300 in anthracite grey color			
	Non interchangeable to market standard		1:1 interchangeable to market standard		High break loads		High break loads			Universal paint coating can be finished		Universal paint coating can be finished		
			Largest portfolio range, available sizes for bearing e.g. 22214, 22318 as SES214		USP				Stiff design		Drain edge		Drain edge	
			Optimized design for longer bearing life time		USP				Better heat conduction		Connection option for sensors		Connection option for sensors	
										CoMo				

Product design comparison SNV vs. SES [2/2]

Mounting & Dismounting	OLD SNV Design	NEW SES Design
	Dismounting edge	Dismounting edge 
		Lower and upper parts are individually marked 
	Alignment markings	Alignment markings indicating shaft and bearing centres 
	Marking for additional holes	Markings for additional holes 

Lubrication	OLD SNV Design	NEW SES Design
	Drilled and tapped holes with nipple	Drilled and tapped holes with nipple 
	Lubrication fittings are included 	Lubrication fittings are included 
	Grease outlet hole as standard	Grease outlet hole as standard USP 

Roll out plan

SNV "last call" communication SOP - SES

Priority & product range			2021												2022												
SNV	SES 500 series	SES 200 series	Priority	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
SNV100	SES511-609-L	SES211-L	Prio A	Launch preparation for housing and components (drawing, pattern, model) PPAP sampling of components												SNV → SES phase out/in - phase I											
SNV110	SES512-610-L	SES212-L																									
SNV120	SES513-611-L	SES213-L																									
SNV125		SES214-L																									
SNV130	SES515-612-L	SES215-L																									
SNV140	SES516-613-L	SES216-L																									
SNV150	SES517-L	SES217-L																									
SNV160	SES518-615-L	SES218-L																									
SNV170	SES519-616-L		Prio B	Launch preparation												SNV → SES phase out/in - phase II											
SNV180	SES520-617-L																										
SNV190	SES618-L																										
SNV200	SES522-619-L																										
SNV215	SES524-620-L																										
SNV230	SES526-L																										
SNV240	SES622-L																										
SNV250	SES528-L																										
SNV260	SES624-L																										
SNV270	SES530-L																										
SNV280			Prio C	Launch preparation												SNV → SES phase out/in - phase III											
SNV290	SES532-L																										
SNV052	SES505-L	SES205-L																									
SNV062	SES506-605-L	SES206-305-L																									
SNV072	SES507-606-L	SES207-L																									
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SNV300																											
SNV320	SNV types will be not offered as SES, can be covered by SNS																										
SNV340																											

Key rules

- launch only after high runners are available
- "SNV last call" communication before phase-out
 - internally smooth change to SES
 - possibility to build up SNV stock
- no parallel production of SNV & SES
 - clear portfolio
 - SES samples could be sold to selected customers

Current steps

- Sample release of all components
- Placing first mass production orders on supplier to stock in plant 3001 Kitzingen

Housing bearing seal configuration examples

