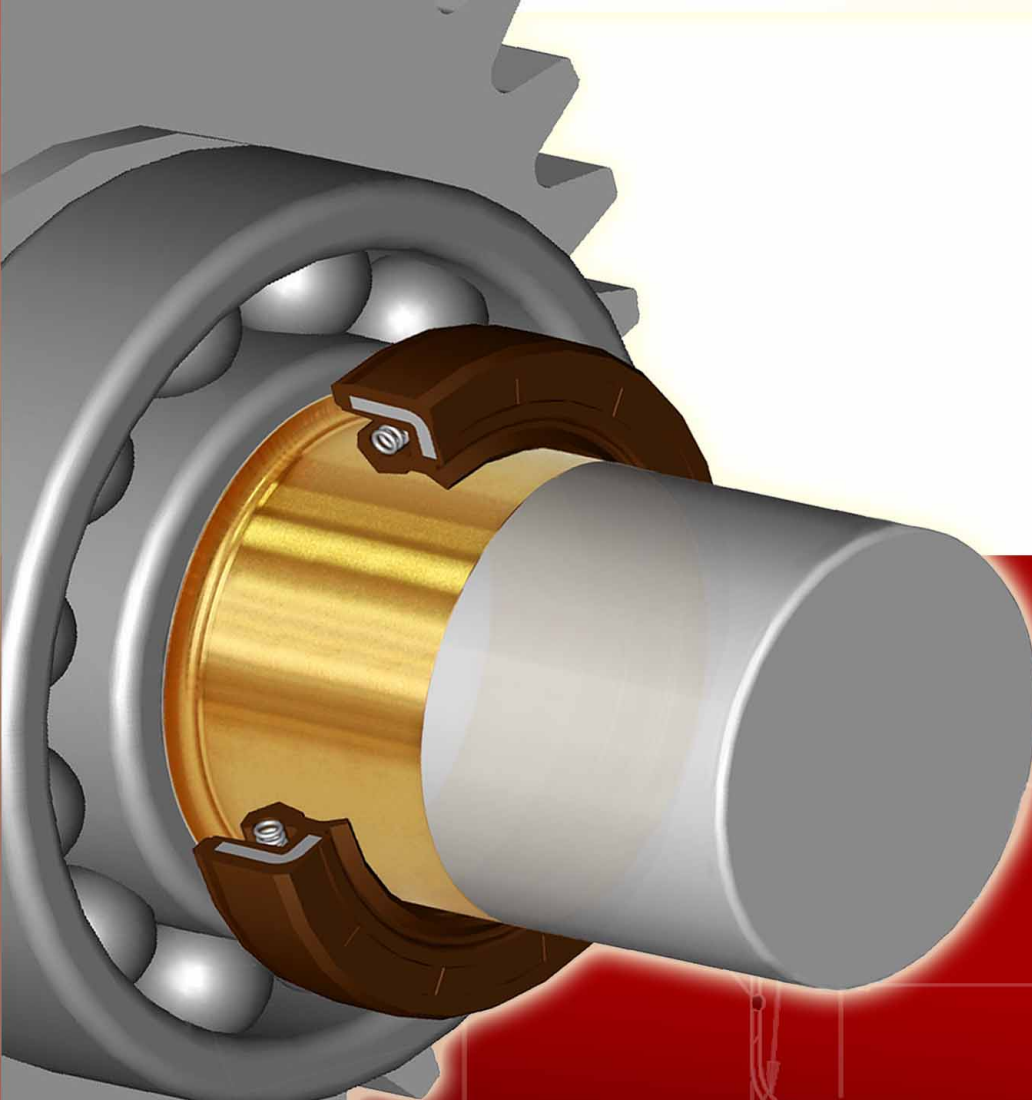




ISO-9001/14001
ISO/TS-16949
OHSAS-18001

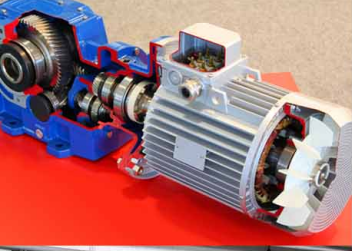


Product Information

NAK WEAR-PRO Shaft Repair Sleeve



World Class Brand World Class Manufacturing



NAK WEAR-PRO Shaft Repair Sleeve is a highly engineered steel sleeve made of high-quality stainless steel with precise finish and hardness. It is an economic solution for repair and protection of work shafts. Eliminating damage to shafts and spindles, NAK WEAR-PRO Sleeves provide a protective seal running surface and reduce the need for complex, expensive traditional shaft repairing processes or replacement such as disassembling and machining the shaft.

NAK WEAR-PRO Sleeve Gold

The new generation of high-quality stainless steel precision WEAR-PRO Sleeve is available in two versions: the standard stainless steel precision WEAR-PRO Sleeve for general purpose and new NAK WEAR-PRO Sleeve Gold with a thin, metallic coating which increases durability and surface hardness to approx. 2300 Vickers for use under corrosive and abrasive conditions.



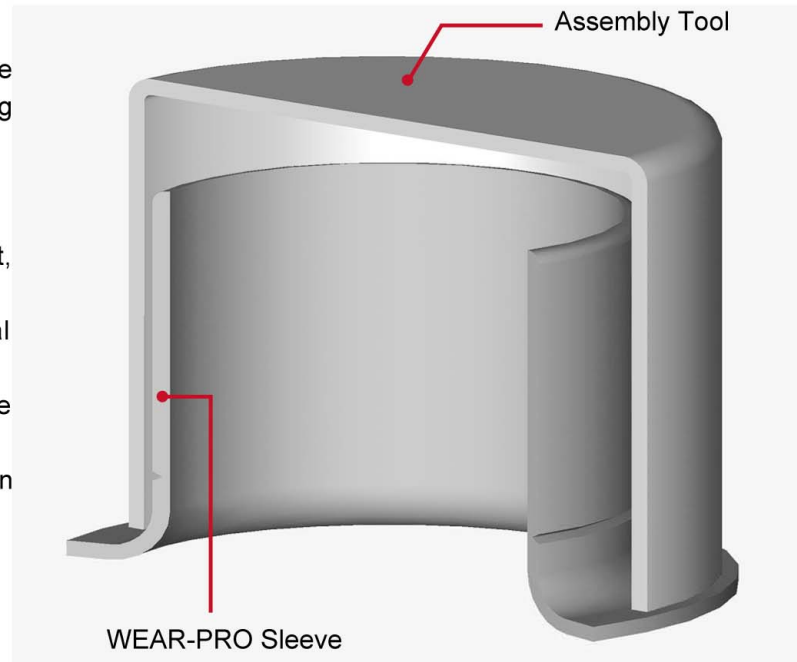
Application

NAK WEAR-PRO Sleeves can be widely used anywhere there is a radial shaft seal such as industrial gearboxes, motors, pumps, reducers, construction and agriculture equipment, automotive parts and etc. The WEAR-PRO Sleeves provide significant advantages for both OEM and aftermarket customers in quick, easy maintenance and cost-effective equipment life cycle. Now, NAK WEAR-PRO Sleeve Gold is an advanced design to be used against harsh operating application. Offering improved resistance to abrasive wear, NAK WEAR-PRO Sleeve Gold is particularly effective in high dust and grit environments, especially when combined with a seal manufactured in Fluorocarbon rubber material. Thus for heavy duty applications it is the preferred choice.

● Cost-effective, quick and easy

NAK WEAR-PRO Sleeve offers excellent sealing surface for radial shaft seals while reducing costly shaft machining or maintenance. The features are:

- Simple and quick installation
- Cost-effective; no need to re-machine the worn shaft, or replace with a new shaft
- Very thin-walled design allows the same size of seal to be used; no need to change seal size
- Precise surface finish achieved by advanced plunge grinding technology
- High-grade surface hardness to ensure abrasion resistance
- NAK offers a wide range of sizes



NAK WEAR-PRO Shaft Repair Kit



● Plastic Holder

● Tool

● Sleeve

● Installation Instruction

● Color Box



● Material and Specification

Material: Sleeve – SAE 30304;

Assembly tool – JIS G3302 SGCC

Wall Thickness : 0.28 mm +/-0.05

Surface roughness :

● Ra 0.20~0.80 μm

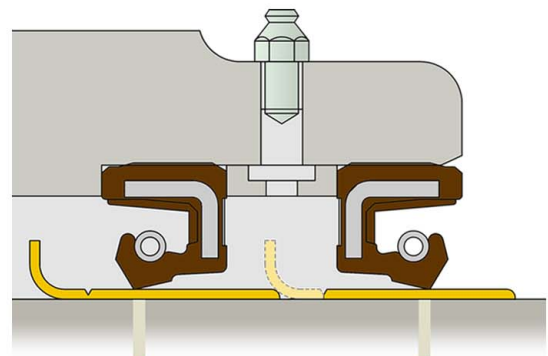
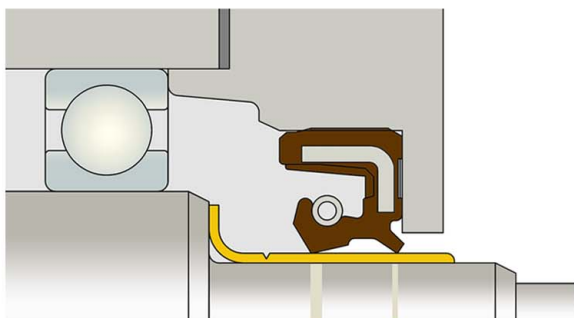
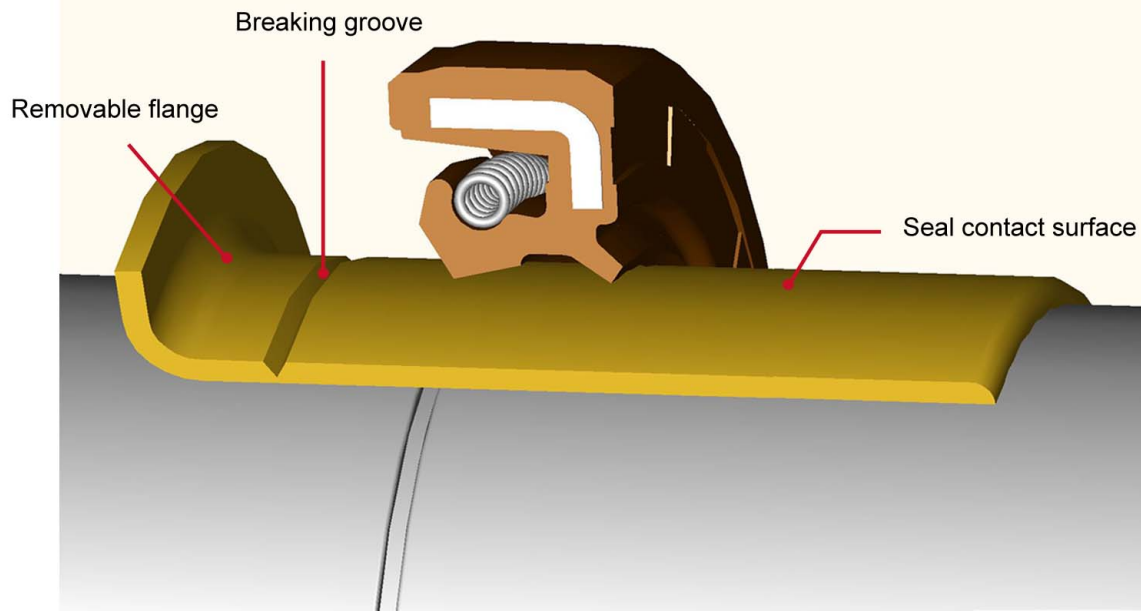
● Rz 1~5 μm

● Rmax under 6.3 μm max

Surface hardness : Over HV 220 min



● Easy and economical way to repair and protect worn shafts



WEAR-PRO Installations

Installation Procedure

Simply push WEAR-PRO Sleeve in position with the installation tool readily supplied and the work is done. After installing WEAR-PRO Sleeve, the same size of seal can be continued to use. Although installation is simple, it should be done carefully to achieve the best results.



Picture 1



Picture 2



Picture 3



Picture 4

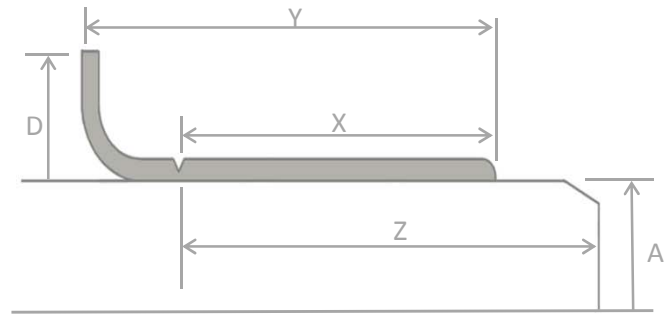
1. Clean the worn shaft and remove the burrs.
2. Measure the shaft diameter and choose a suitable sleeve size. (Picture 1.)
3. Put sleeve onto the top of the shaft. (Picture 2.)
4. Put the assembly tool over the sleeve. If the tool supplied with the sleeve is too short, a length of pipe or tubing can substitute.
5. Pound gently the assembly tool until the worn area is covered by the sleeve. (Picture 3.)
6. The sleeve flange could be kept unless the clearance of application is required. If it needs to be removed, one pre-cut on the sleeve flange by cutter should be done prior to step 4. And the pre-cut should end at the tearing groove. The pre-cut process should be done carefully to avoid harming the seal contact surface. (Picture 4.)
7. Check again if there is any burr on the sleeve that might harm the seal.
8. Lubricate the sleeve.
9. Proceed with seal installation.



Size List

NAK WEAR-PRO Sleeve

/ Metric



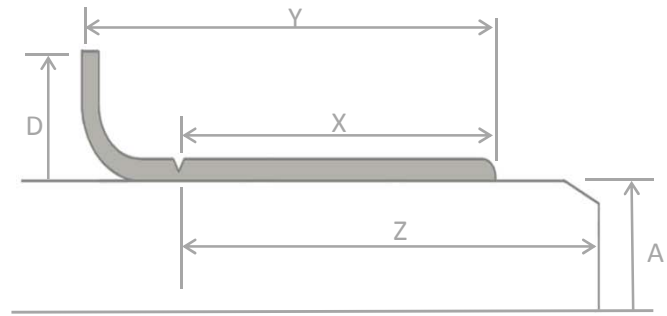
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL001☆	11.910	12.070	12.000	15.500	6.000	8.400	47.600	CR99049
SL002☆	12.650	12.750	12.700	15.500	6.300	8.700	50.800	CR99050
SL003☆	13.890	14.000	14.000	19.100	6.300	9.900	46.500	CR99055
SL004☆	14.220	14.380	14.300	19.100	6.300	9.900	46.500	CR99056
SL005☆	14.960	15.060	15.000	19.100	5.000	9.000	47.300	CR99059
SL006☆	15.830	15.930	15.880	19.100	8.000	10.300	50.800	CR99062*
SL007☆	15.900	16.000	16.000	18.200	8.000	11.100	50.800	CR99058
SL008☆	16.940	17.040	17.000	22.200	8.000	11.000	50.800	CR99068
SL009☆	17.320	17.420	17.370	22.700	8.000	11.100	50.800	CR99060
SL010☆	17.880	18.010	17.930	24.400	8.000	11.000	46.000	CR99082
SL281	19.000	19.100	19.050	22.860	9.530	12.700	50.800	-
SL011☆	19.000	19.100	19.050	24.000	8.000	11.100	50.800	CR99076*
SL012☆	19.280	19.330	19.300	23.800	8.000	11.100	50.800	CR99081
SL013☆	19.810	19.910	19.840	23.800	8.000	11.100	50.800	CR99080
SL014☆	19.940	20.040	20.000	23.600	8.000	11.000	50.800	CR99078
SL015☆	20.620	20.700	20.650	30.180	9.530	14.300	76.200	CR99083
SL016☆	21.770	21.870	21.820	29.300	6.300	9.500	50.800	CR99086
SL017☆	21.870	22.000	22.000	30.200	6.600	9.100	47.100	CR99084
SL018☆	21.870	22.000	22.000	30.200	8.000	12.000	46.000	CR99085
SL019☆	22.180	22.280	22.230	27.800	8.000	11.100	50.800	CR99087*
SL020☆	23.060	23.160	23.110	30.900	8.000	11.100	46.900	CR99091*
SL021☆	23.880	24.000	24.000	28.700	8.000	11.100	50.800	CR99092
SL022☆	24.540	24.640	24.600	28.700	8.000	11.100	50.800	CR99094
SL023☆	24.540	24.640	24.600	28.700	15.900	18.300	50.800	CR99096
SL024☆	24.940	25.040	25.000	33.000	8.000	11.000	50.800	CR99098*
SL272	25.270	25.450	25.360	30.910	7.920	11.100	51.610	-
SL025☆	25.350	25.450	25.400	31.000	8.000	11.100	50.800	CR99100
SL026☆	25.880	26.010	26.010	33.400	8.000	12.000	46.000	CR99103
SL027☆	26.920	27.030	27.000	33.500	8.000	11.100	46.800	CR99106*
SL028	27.610	27.710	27.660	35.700	8.000	11.100	15.900	CR99108
SL029☆	27.940	28.040	28.000	34.900	9.500	12.700	46.800	CR99111*
SL030	28.530	28.630	28.580	38.100	8.000	11.100	17.500	CR99112*
SL031	28.530	28.630	28.580	38.100	9.500	12.700	17.500	CR99116
SL285	28.530	28.630	28.580	38.100	12.700	15.900	-	-
SL032	29.310	29.410	29.360	34.300	9.500	12.700	17.500	CR99120*
SL033	29.800	29.920	29.850	35.600	8.000	11.100	17.500	CR99122
SL034	29.950	30.070	30.000	35.600	8.000	11.000	17.500	CR99114
SL035	30.100	30.230	30.180	35.600	8.000	11.100	17.500	CR99118
SL036	30.890	31.040	30.960	39.700	8.000	11.000	15.900	CR99123
SL037	31.420	31.580	31.500	39.100	8.000	11.100	17.500	CR99141
SL038	31.670	31.830	31.800	38.100	8.000	11.100	17.500	CR99125*

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



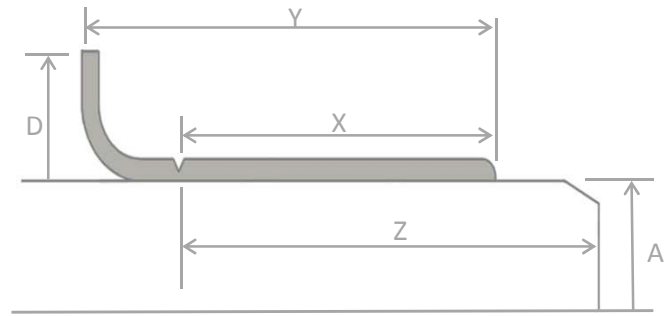
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL039	31.920	32.080	32.000	38.100	8.000	11.100	17.500	CR99128
SL040	32.940	33.050	33.000	40.490	15.010	18.000	20.650	CR99121
SL042	33.270	33.430	33.350	40.500	12.700	15.900	20.700	CR99131*
SL041	33.220	33.380	33.350	40.600	6.300	9.500	20.700	CR99129
SL043	33.860	34.010	34.010	41.300	12.700	15.900	20.700	CR99134
SL275	34.850	34.950	34.900	42.000	20.000	23.000	50.000	-
SL273	34.850	34.950	34.900	42.000	29.000	32.000	50.000	-
SL044	34.820	34.980	34.930	41.600	8.000	11.100	20.700	CR99133
SL045	34.820	34.980	34.930	41.600	12.700	15.900	20.700	CR99138*
SL046	34.930	35.080	34.930	41.600	13.000	16.000	20.700	CR99139*
SL047	35.840	36.000	36.000	45.200	13.000	17.000	25.000	CR99146
SL049	36.450	36.600	36.530	45.200	9.500	12.700	25.800	CR99144
SL048	36.370	36.530	36.530	45.200	14.300	17.500	25.800	CR99143*
SL282	36.910	37.080	37.000	45.240	9.530	12.700	20.600	-
SL050	37.850	38.000	38.000	45.200	13.000	17.000	25.000	CR99147
SL052	38.020	38.180	38.100	45.200	9.500	12.700	25.800	CR99150*
SL051	38.020	38.180	38.100	45.200	14.300	17.500	25.800	CR99149*
SL278	38.170	38.330	38.250	45.240	-	12.700	-	-
SL053	38.610	38.760	38.680	47.200	11.100	14.300	25.800	CR99152
SL054	39.340	39.500	39.420	47.200	11.100	14.300	25.800	CR99155
SL055	39.600	39.750	39.700	47.200	14.300	17.500	25.800	CR99156*
SL056	39.780	39.930	39.850	47.200	15.900	19.100	25.800	CR99159
SL289	39.850	39.950	40.000	47.000	-	28.000	-	-
SL057	39.850	40.000	40.000	46.900	9.900	12.900	25.400	CR99153
SL058	39.930	40.080	40.080	47.000	13.000	16.000	26.000	CR99157*
SL059	40.690	40.840	40.770	49.200	12.700	16.300	25.400	CR99160
SL060	40.840	41.000	41.000	49.200	12.700	15.900	25.800	CR99163
SL061	41.200	41.350	41.280	47.600	8.000	11.100	25.800	CR99161
SL062	41.200	41.350	41.280	47.600	14.300	17.500	20.700	CR99162*
SL063	41.830	42.000	41.900	53.000	11.300	14.500	21.400	CR99166
SL064	41.830	42.000	41.900	53.000	14.300	17.500	21.000	CR99169*
SL065	41.990	42.140	42.060	53.000	14.000	17.500	21.000	CR99165
SL066	42.800	42.950	42.880	48.400	8.000	11.100	22.200	CR99167
SL067	42.770	42.930	42.880	48.400	14.300	17.500	22.200	CR99168
SL068	42.850	43.000	43.000	48.400	12.700	15.900	21.300	CR99182
SL276	43.430	43.580	43.510	50.420	9.530	12.700	20.700	-
SL069	43.560	43.710	43.660	51.600	14.300	17.500	20.700	CR99171
SL279	43.560	43.710	43.660	51.600	-	12.700	-	-
SL070	44.090	44.250	44.170	52.400	9.500	12.700	20.700	CR99170
SL071	44.370	44.530	44.450	52.200	9.500	12.700	20.700	CR99172
SL074	44.370	44.530	44.450	52.400	13.500	15.900	22.300	CR99180

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



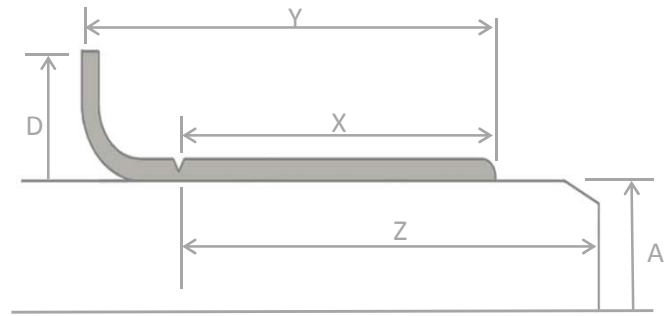
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL072	44.370	44.530	44.450	52.400	14.300	17.500	20.700	CR99174*
SL073	44.370	44.530	44.450	52.400	19.100	22.200	20.700	CR99175*
SL075	44.730	44.880	44.860	52.400	14.300	17.500	20.700	CR99176*
SL076	44.930	45.090	45.000	53.000	14.000	17.000	20.600	CR99177*
SL077	45.160	45.310	45.240	54.000	16.900	20.300	27.000	CR99179
SL078	45.950	46.100	46.050	53.100	14.300	17.500	25.400	CR99181*
SL079	47.170	47.320	47.220	54.800	14.300	17.500	25.400	CR99185
SL080	47.400	47.550	47.450	55.600	22.600	26.000	25.400	CR99186
SL084	47.550	47.700	47.630	56.000	4.500	7.500	18.800	CR99190
SL083	47.550	47.700	47.630	56.000	7.500	10.500	18.800	CR99188
SL081	47.550	47.700	47.630	56.000	9.500	13.100	26.600	CR99184
SL082	47.550	47.700	47.630	56.000	14.300	17.500	25.400	CR99187*
SL085	47.930	48.090	48.030	56.000	14.000	17.000	25.000	CR99189
SL086	48.490	48.640	48.560	56.400	9.500	12.700	25.400	CR99192
SL087	49.120	49.280	49.230	56.400	14.300	17.500	25.400	CR99193*
SL088	49.910	50.060	50.000	57.000	14.000	17.000	25.000	CR99196
SL089	50.220	50.370	50.300	58.800	14.300	17.900	26.600	CR99198
SL090	50.720	50.880	50.800	61.100	14.300	17.500	25.400	CR99199*
SL091	50.720	50.880	50.800	61.100	22.200	25.400	25.400	CR99200*
SL092	51.820	52.000	52.000	62.700	12.700	15.900	34.500	CR99204
SL093	52.250	52.400	52.400	62.700	19.800	23.800	34.900	CR99205
SL094	53.920	54.050	53.980	61.500	12.700	19.100	32.500	CR99210
SL095	53.950	54.100	53.980	61.500	19.800	23.800	34.900	CR99212*
SL288	54.910	55.070	55.000	62.000	10.000	13.000	31.800	-
SL096	54.910	55.070	55.000	62.000	20.000	23.000	31.800	CR99215
SL097	55.520	55.680	55.580	63.500	19.800	23.800	33.400	CR99218
SL268	55.810	56.000	56.000	64.290	19.790	23.770	80.010	CR99224
SL098	55.830	56.000	56.000	64.300	12.700	15.900	33.400	CR99220
SL099	56.570	56.720	56.640	64.300	12.700	15.900	33.400	CR99229*
SL100	56.570	56.720	56.640	64.300	19.800	23.000	31.800	CR99230
SL101	56.820	56.970	56.900	65.100	19.400	22.900	31.800	CR99226
SL103	57.120	57.280	57.150	64.300	8.000	11.100	33.400	CR99227*
SL102	57.120	57.280	57.150	64.300	19.800	23.800	33.400	CR99225*
SL277	57.270	57.430	57.300	64.260	-	17.150	-	-
SL104	57.910	58.060	58.000	65.990	19.840	23.830	34.930	CR99219
SL283	58.650	58.800	58.730	68.300	19.840	23.800	40.640	-
SL105	58.650	58.800	58.750	68.300	19.800	23.800	34.900	CR99231
SL106	59.100	59.260	59.130	69.800	19.100	22.200	38.100	CR99233
SL271	59.910	60.060	59.990	69.800	16.000	19.000	37.200	-
SL108	59.920	60.070	60.000	70.700	9.400	11.400	37.300	CR99241
SL107	59.920	60.070	60.000	70.700	20.000	23.000	34.900	CR99235

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



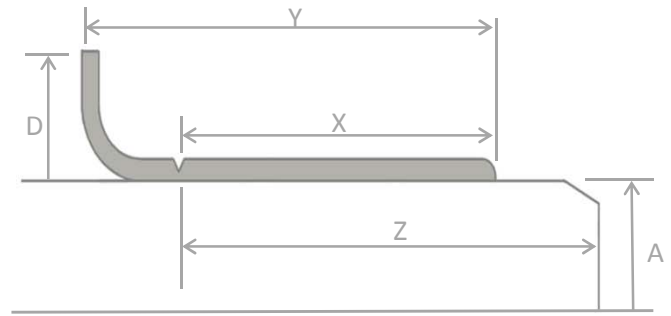
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL274	59.920	60.070	60.000	70.740	25.000	28.000	37.200	-
SL111	60.300	60.450	60.330	69.800	13.400	17.400	34.900	CR99240
SL110	60.250	60.400	60.330	69.800	15.100	19.100	34.900	CR99238
SL109	60.300	60.450	60.330	69.800	19.800	23.800	34.900	CR99237*
SL269	60.170	60.330	60.330	69.800	19.800	23.800	34.900	CR99236
SL113	61.820	61.980	61.920	71.800	19.800	23.800	35.400	CR99243
SL112	61.850	62.000	61.930	71.800	12.700	15.900	36.100	CR99242
SL114	61.820	62.000	62.000	71.800	12.700	15.900	36.100	CR99244
SL115	63.220	63.370	63.300	73.000	19.800	23.800	35.400	CR99249
SL118	63.420	63.580	63.500	71.600	14.100	16.500	22.600	CR99253
SL117	63.500	63.650	63.500	71.600	19.800	23.800	34.900	CR99250*
SL116	63.500	63.650	63.500	71.800	12.700	16.700	35.400	CR99248
SL119	63.750	63.910	63.910	71.800	19.800	23.000	36.500	CR99251
SL120	64.920	65.080	65.000	72.400	20.000	23.000	34.900	CR99254*
SL121	65.020	65.180	65.100	73.400	19.800	23.800	34.900	CR99256
SL122	65.910	66.070	66.000	76.000	19.800	23.800	31.800	CR99259
SL123	66.490	66.650	66.570	77.400	19.800	23.800	34.900	CR99261
SL124	66.600	66.750	66.680	77.400	12.700	15.900	34.900	CR99260
SL125	66.680	66.830	66.680	77.400	19.800	23.800	34.900	CR99262*
SL126	66.570	66.730	66.680	77.400	19.800	23.000	34.900	CR99264
SL127	67.820	68.000	68.000	79.400	19.100	22.200	42.900	CR99266
SL128	69.270	69.420	69.340	79.400	19.800	23.000	33.400	CR99268
SL129	69.600	69.750	69.670	77.800	19.800	23.800	31.800	CR99273
SL130	69.770	69.930	69.850	78.100	36.500	41.300	41.300	CR99267
SL132	69.850	70.000	69.850	79.400	10.300	14.300	31.800	CR99272
SL133	69.720	69.880	69.850	79.400	19.800	23.800	31.800	CR99274*
SL134	69.850	70.000	69.850	79.400	19.800	23.800	31.800	CR99275*
SL270	69.770	69.930	69.850	79.400	19.800	23.800	31.800	CR99270
SL131	69.850	70.000	69.850	79.400	28.600	31.800	33.300	CR99269
SL135	69.930	70.080	70.000	79.400	20.000	24.000	31.800	CR99276
SL136	71.350	71.500	71.450	81.000	15.100	17.500	31.800	CR99281
SL137	71.830	72.000	72.000	81.900	19.100	22.200	34.100	CR99284*
SL138	72.090	72.240	72.090	81.900	12.700	16.700	31.800	CR99282*
SL139	72.800	72.950	72.870	81.000	19.800	23.800	31.800	CR99286
SL140	72.970	73.130	73.030	81.800	19.800	23.800	31.800	CR99287*
SL141	74.600	74.750	74.630	84.900	12.700	16.300	33.800	CR99290
SL142	74.600	74.750	74.630	84.900	19.800	23.800	33.400	CR99293*
SL280	74.930	75.080	75.000	83.100	8.500	12.000	-	-
SL143	74.930	75.080	75.000	83.100	15.100	17.500	27.500	CR99289
SL144	74.930	75.080	75.000	84.000	22.000	26.000	33.400	CR99294*
SL145	75.490	75.590	75.540	82.200	20.600	25.400	31.800	CR99292

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



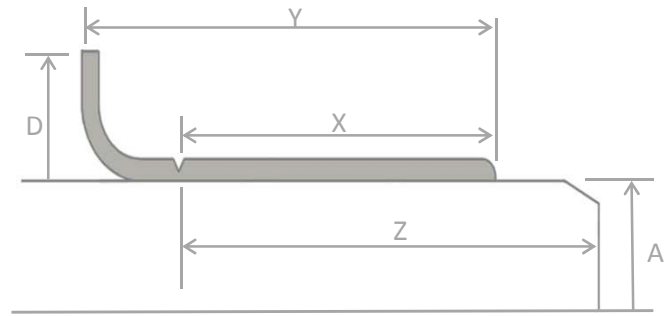
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL148	75.950	76.100	76.020	85.100	20.600	25.400	32.500	CR99299
SL146	75.950	76.100	76.020	85.300	12.300	15.900	33.800	CR99291
SL147	75.950	76.100	76.020	85.300	14.300	17.500	34.900	CR99298
SL150	76.200	76.350	76.200	82.200	20.600	25.400	32.500	CR99300*
SL149	76.120	76.280	76.200	82.300	20.600	23.800	34.900	CR99296
SL151	76.200	76.350	76.200	85.000	15.900	20.600	32.500	CR99303
SL152	76.400	76.560	76.480	85.200	12.700	15.900	50.800	CR99301
SL153	77.830	78.000	78.000	88.000	19.100	22.200	52.200	CR99306
SL154	79.350	79.550	79.380	89.500	14.000	18.000	51.600	CR99307
SL155	79.250	79.400	79.380	89.700	17.500	20.600	50.800	CR99311
SL156	79.250	79.400	79.380	89.700	20.600	25.400	50.800	CR99312*
SL157	79.810	80.010	79.910	89.900	19.100	22.500	34.900	CR99313
SL159	79.910	80.090	80.000	90.000	11.000	15.000	34.900	CR99317
SL158	79.910	80.090	80.000	90.000	21.000	24.000	34.900	CR99315
SL160	81.920	82.070	82.000	91.100	16.800	21.500	44.500	CR99328
SL162	82.550	82.700	82.550	90.800	15.100	18.300	34.900	CR99324*
SL164	82.550	82.700	82.550	91.100	17.500	22.200	31.800	CR99326
SL163	82.550	82.700	82.550	91.100	20.600	25.400	34.900	CR99325*
SL161	82.470	82.630	82.550	91.300	20.600	25.400	34.900	CR99322
SL284	82.500	82.650	82.580	91.060	15.240	18.240	34.930	-
SL165	84.000	84.150	84.070	93.700	20.600	25.400	34.900	CR99331
SL166	84.760	85.010	84.890	94.000	17.000	21.000	35.000	CR99332
SL167	84.760	85.010	84.890	94.000	21.000	25.000	35.000	CR99333*
SL168	84.790	85.000	85.000	90.900	10.100	12.700	36.300	CR99334
SL170	85.670	85.830	85.730	93.700	9.500	12.700	35.800	CR99338
SL169	85.670	85.830	85.730	93.800	20.600	25.400	34.900	CR99337
SL171	87.250	87.410	87.330	97.600	19.800	23.000	35.700	CR99339
SL172	88.310	88.470	88.390	97.400	19.800	23.000	35.700	CR99340
SL174	88.900	89.060	88.900	97.200	8.000	12.700	34.200	CR99347
SL173	88.820	88.980	88.900	97.600	15.900	20.600	34.200	CR99346
SL175	88.900	89.060	88.900	97.600	20.600	25.400	34.200	CR99350*
SL176	88.920	89.080	89.000	97.600	15.900	20.600	34.200	CR99349
SL178	89.910	90.070	90.000	101.600	11.100	13.700	46.000	CR99352
SL179	89.910	90.070	90.000	101.600	13.400	16.900	44.500	CR99353
SL177	89.910	90.070	90.000	101.600	18.000	23.000	46.000	CR99351
SL180	89.910	90.070	90.000	101.600	23.000	28.000	44.500	CR99354
SL181	90.420	90.580	90.500	99.100	20.600	25.400	44.500	CR99356
SL182	91.900	92.050	91.970	102.400	20.600	25.400	44.500	CR99360
SL183	92.020	92.180	92.080	102.400	20.600	25.400	44.500	CR99362
SL184	92.020	92.180	92.100	102.240	12.700	15.870	44.450	CR99363
SL185	93.600	93.760	93.680	102.200	20.600	23.800	45.700	CR99365

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



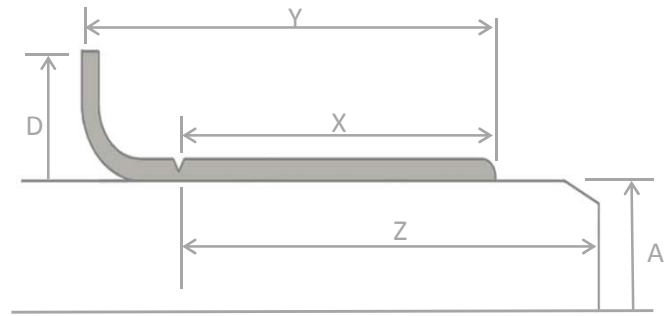
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL186	93.570	93.730	93.680	102.400	8.000	11.100	22.200	CR99368
SL188	94.660	94.820	94.740	102.200	19.800	23.000	45.700	CR99366
SL187	94.660	94.820	94.740	102.400	11.900	15.100	45.700	CR99359
SL189	94.920	95.080	95.000	102.200	21.000	24.000	45.700	CR99369
SL191	95.000	95.150	95.000	102.400	8.700	12.700	45.700	CR99374
SL190	95.000	95.150	95.000	102.500	11.900	15.100	45.700	CR99364
SL194	95.250	95.410	95.250	102.100	17.500	22.200	45.700	CR99372*
SL193	95.250	95.410	95.250	102.200	8.700	12.700	45.700	CR99367
SL192	95.150	95.300	95.250	102.200	14.300	17.500	45.700	CR99376
SL195	98.240	98.400	98.320	106.300	20.650	25.400	47.630	CR99386
SL196	98.370	98.430	98.430	107.200	20.600	25.400	47.600	CR99387
SL197	99.950	100.110	100.000	109.500	20.600	25.400	52.000	CR99393*
SL201	101.550	101.750	101.600	111.100	12.700	15.900	52.500	CR99401
SL198	101.550	101.750	101.600	111.100	15.200	18.400	52.000	CR99395
SL200	101.550	101.750	101.600	111.100	16.500	19.700	34.900	CR99400
SL199	101.550	101.750	101.600	111.100	20.600	25.400	52.000	CR99399*
SL202	103.890	104.090	104.000	112.700	20.000	24.000	36.000	CR99409
SL203	104.700	104.900	104.780	113.500	20.600	25.400	34.900	CR99412
SL204	104.900	105.100	105.000	113.500	20.000	23.200	35.000	CR99413
SL205	106.250	106.450	106.380	114.300	20.600	25.400	34.900	CR99418
SL287	107.340	107.540	107.440	117.100	18.000	23.000	34.700	-
SL206	107.340	107.540	107.540	117.100	19.800	23.000	36.500	CR99423
SL207	107.900	108.100	107.950	117.100	20.600	25.400	36.500	CR99424
SL208	109.910	110.110	109.930	125.000	12.900	16.500	32.000	CR99435
SL209	109.780	110.000	110.000	125.000	11.400	15.000	32.900	CR99434
SL210	111.000	111.200	111.130	120.700	20.600	25.400	42.000	CR99437
SL211	111.800	112.000	111.910	120.700	19.100	22.500	33.000	CR99438
SL212	112.630	112.830	112.730	122.200	25.400	29.000	33.400	CR99439
SL213	114.200	114.400	114.300	124.500	20.600	25.400	32.000	CR99450*
SL214	114.890	115.090	115.000	127.000	20.600	23.800	32.000	CR99452
SL216	117.380	117.580	117.500	127.000	11.100	15.900	34.900	CR99465
SL215	117.380	117.580	117.500	128.600	25.400	31.800	34.900	CR99463
SL217	119.000	119.200	119.080	128.600	20.600	25.400	34.900	CR99468
SL218	119.890	120.090	120.000	129.800	8.000	11.000	33.600	CR99471
SL219	119.890	120.090	120.000	129.800	20.000	25.000	32.000	CR99473
SL220	120.550	120.750	120.650	127.000	12.700	19.100	38.100	CR99475
SL221	121.900	122.100	122.000	131.500	20.000	24.000	32.000	CR99472
SL222	122.910	123.110	123.000	132.800	20.000	25.000	31.600	CR99484
SL223	123.730	123.930	123.830	133.300	15.900	19.100	36.500	CR99487
SL224	124.890	125.100	125.000	137.200	10.000	14.000	36.500	CR99490
SL225	124.890	125.100	125.000	137.200	26.000	32.000	36.500	CR99492

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Metric



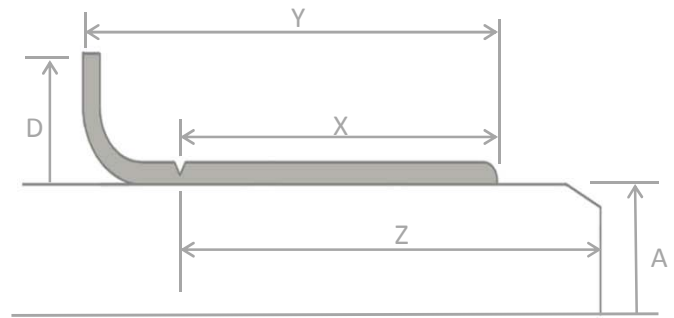
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL227	126.950	127.150	127.000	136.900	20.600	25.400	36.500	CR99499*
SL228	126.950	127.150	127.000	137.200	13.700	17.300	36.500	CR99501
SL226	126.950	127.150	127.000	137.200	17.500	22.200	36.500	CR99498*
SL229	129.790	130.000	129.900	139.500	19.100	23.800	30.000	CR99494
SL230	129.970	130.180	130.180	139.500	22.000	25.300	32.500	CR99491*
SL231	130.050	130.250	130.180	139.700	20.600	25.400	31.800	CR99513
SL232	133.250	133.450	133.350	141.200	20.600	25.400	31.800	CR99525
SL233	134.800	135.000	134.950	145.700	20.500	25.400	31.800	CR99533
SL234	136.430	136.630	136.530	149.200	20.600	25.400	31.800	CR99537
SL235	138.030	138.230	138.130	146.100	38.100	49.900	47.600	CR99548
SL236	138.990	139.190	139.090	149.900	14.300	19.100	31.300	CR99547
SL238	139.650	139.850	139.700	150.800	13.200	17.900	31.800	CR99550
SL237	139.650	139.850	139.700	150.800	20.600	25.400	31.800	CR99549*
SL239	139.900	140.110	140.000	151.000	20.500	25.400	31.800	CR99552
SL240	142.770	142.980	142.880	157.180	22.230	25.400	46.020	CR99560
SL241	144.750	145.000	145.000	154.900	19.100	22.200	46.000	CR99571
SL242	145.440	145.640	145.640	154.900	14.300	19.100	49.200	CR99562
SL243	145.950	146.150	146.050	157.000	20.600	25.400	44.500	CR99575
SL244	149.130	149.330	149.230	157.200	25.400	31.800	33.400	CR99587*
SL245	149.750	150.010	150.000	159.000	26.000	30.000	32.500	CR99595
SL246	150.730	150.930	150.830	161.900	25.400	28.600	47.600	CR99596
SL248	152.270	152.470	152.400	161.500	12.700	19.100	44.500	CR99601
SL247	152.270	152.470	152.400	161.900	25.400	31.800	44.500	CR99599
SL249	153.870	154.130	154.000	161.900	26.000	30.000	33.000	CR99605
SL250	154.750	155.000	154.860	167.000	26.000	30.000	33.000	CR99606
SL251	157.430	157.690	157.560	168.300	20.600	27.000	44.500	CR99620
SL252	158.620	158.880	158.750	168.300	26.200	31.800	44.500	CR99625
SL253	159.740	160.000	160.000	171.400	25.400	31.800	35.000	CR99630
SL254	164.970	165.230	165.100	177.800	25.400	31.800	35.000	CR99650
SL286	168.150	168.400	168.280	177.800	25.400	31.750	38.100	CR99660
SL255	169.750	170.000	169.880	182.600	31.800	38.000	44.500	CR99640
SL256	171.320	171.580	171.450	181.000	20.600	27.000	44.500	CR99675
SL257	174.750	175.010	175.010	187.000	28.000	32.000	35.000	CR99687
SL258	177.670	177.930	177.800	189.900	25.400	31.800	42.800	CR99700*
SL259	179.750	180.010	180.010	190.500	33.000	38.000	44.500	CR99721
SL260	183.990	184.250	184.150	197.100	31.800	38.100	55.200	CR99725
SL261	184.740	185.000	184.860	197.100	32.000	38.000	55.200	CR99726
SL262	189.080	189.330	189.310	199.600	20.600	25.400	31.800	CR99745
SL263	190.370	190.630	190.500	200.000	20.600	25.400	31.800	CR99750
SL264	196.720	196.980	196.850	210.100	25.400	33.400	47.600	CR99775
SL265	199.870	200.130	200.030	212.700	34.500	38.100	44.500	CR99787

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



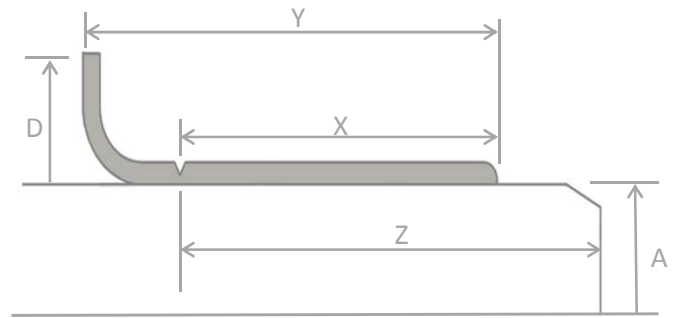
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL001☆	0.469	0.475	0.472	0.610	0.236	0.331	1.874	CR99049
SL002☆	0.498	0.502	0.500	0.610	0.248	0.343	2.000	CR99050
SL003☆	0.547	0.551	0.551	0.752	0.248	0.390	1.831	CR99055
SL004☆	0.560	0.566	0.563	0.752	0.248	0.390	1.831	CR99056
SL005☆	0.589	0.593	0.591	0.752	0.197	0.354	1.862	CR99059
SL006☆	0.623	0.627	0.625	0.752	0.315	0.406	2.000	CR99062*
SL007☆	0.626	0.630	0.630	0.717	0.315	0.437	2.000	CR99058
SL008☆	0.667	0.671	0.669	0.874	0.315	0.433	2.000	CR99068
SL009☆	0.682	0.686	0.684	0.894	0.315	0.437	2.000	CR99060
SL010☆	0.704	0.709	0.706	0.961	0.315	0.433	1.811	CR99082
SL281	0.748	0.752	0.750	0.900	0.375	0.500	2.000	-
SL011☆	0.748	0.752	0.750	0.945	0.315	0.437	2.000	CR99076*
SL012☆	0.759	0.761	0.760	0.937	0.315	0.437	2.000	CR99081
SL013☆	0.780	0.784	0.781	0.937	0.315	0.437	2.000	CR99080
SL014☆	0.785	0.789	0.787	0.929	0.315	0.433	2.000	CR99078
SL015☆	0.812	0.815	0.813	1.188	0.375	0.563	3.000	CR99083
SL016☆	0.857	0.861	0.859	1.154	0.248	0.374	2.000	CR99086
SL017☆	0.861	0.866	0.866	1.189	0.260	0.358	1.854	CR99084
SL018☆	0.861	0.866	0.866	1.189	0.315	0.472	1.811	CR99085
SL019☆	0.873	0.877	0.875	1.095	0.315	0.437	2.000	CR99087*
SL020☆	0.908	0.912	0.910	1.217	0.315	0.437	1.847	CR99091*
SL021☆	0.940	0.945	0.945	1.130	0.315	0.437	2.000	CR99092
SL022☆	0.966	0.970	0.969	1.130	0.315	0.437	2.000	CR99094
SL023☆	0.966	0.970	0.969	1.130	0.626	0.721	2.000	CR99096
SL024☆	0.982	0.986	0.984	1.299	0.315	0.433	2.000	CR99098*
SL272	0.995	1.002	0.998	1.217	0.312	0.437	2.032	-
SL025☆	0.998	1.002	1.000	1.221	0.315	0.437	2.000	CR99100
SL026☆	1.019	1.024	1.024	1.315	0.315	0.472	1.811	CR99103
SL027☆	1.060	1.064	1.063	1.319	0.315	0.437	1.843	CR99106*
SL028	1.087	1.091	1.089	1.406	0.315	0.437	0.626	CR99108
SL029☆	1.100	1.104	1.102	1.374	0.374	0.500	1.843	CR99111*
SL030	1.123	1.127	1.125	1.500	0.315	0.437	0.689	CR99112*
SL031	1.123	1.127	1.125	1.500	0.374	0.500	0.689	CR99116
SL285	1.123	1.127	1.125	1.500	0.500	0.626	-	-
SL032	1.154	1.158	1.156	1.350	0.374	0.500	0.689	CR99120*
SL033	1.173	1.178	1.175	1.402	0.315	0.437	0.689	CR99122
SL034	1.179	1.184	1.181	1.402	0.315	0.433	0.689	CR99114
SL035	1.185	1.190	1.188	1.402	0.315	0.437	0.689	CR99118
SL036	1.216	1.222	1.219	1.563	0.315	0.433	0.626	CR99123
SL037	1.237	1.243	1.240	1.539	0.315	0.437	0.689	CR99141
SL038	1.247	1.253	1.252	1.500	0.315	0.437	0.689	CR99125*

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



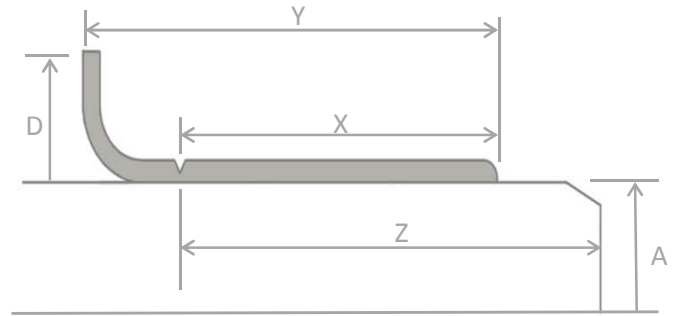
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL039	1.257	1.263	1.260	1.500	0.315	0.437	0.689	CR99128
SL040	1.297	1.301	1.299	1.594	0.591	0.709	0.813	CR99121
SL042	1.310	1.316	1.313	1.595	0.500	0.626	0.815	CR99131*
SL041	1.308	1.314	1.313	1.598	0.248	0.374	0.815	CR99129
SL043	1.333	1.339	1.339	1.626	0.500	0.626	0.815	CR99134
SL275	1.372	1.376	1.374	1.654	0.787	0.906	1.969	-
SL273	1.372	1.376	1.374	1.654	1.142	1.260	1.969	-
SL044	1.371	1.377	1.375	1.638	0.315	0.437	0.815	CR99133
SL045	1.371	1.377	1.375	1.638	0.500	0.626	0.815	CR99138*
SL046	1.375	1.381	1.375	1.638	0.512	0.630	0.815	CR99139*
SL047	1.411	1.417	1.417	1.780	0.512	0.669	0.984	CR99146
SL049	1.435	1.441	1.438	1.780	0.374	0.500	1.016	CR99144
SL048	1.432	1.438	1.438	1.780	0.563	0.689	1.016	CR99143*
SL282	1.453	1.460	1.457	1.781	0.375	0.500	0.812	-
SL050	1.490	1.496	1.496	1.780	0.512	0.669	0.984	CR99147
SL052	1.497	1.503	1.500	1.780	0.374	0.500	1.016	CR99150*
SL051	1.497	1.503	1.500	1.780	0.563	0.689	1.016	CR99149*
SL278	1.503	1.509	1.506	1.781	-	0.500	-	-
SL053	1.520	1.526	1.523	1.858	0.437	0.563	1.016	CR99152
SL054	1.549	1.555	1.552	1.858	0.437	0.563	1.016	CR99155
SL055	1.559	1.565	1.563	1.858	0.563	0.689	1.016	CR99156*
SL056	1.566	1.572	1.569	1.858	0.626	0.752	1.016	CR99159
SL289	1.569	1.573	1.575	1.850	-	1.102	-	-
SL057	1.569	1.575	1.575	1.847	0.390	0.508	1.000	CR99153
SL058	1.572	1.578	1.578	1.850	0.512	0.630	1.024	CR99157*
SL059	1.602	1.608	1.605	1.937	0.500	0.642	1.000	CR99160
SL060	1.608	1.614	1.614	1.937	0.500	0.626	1.016	CR99163
SL061	1.622	1.628	1.625	1.874	0.315	0.437	1.016	CR99161
SL062	1.622	1.628	1.625	1.874	0.563	0.689	0.815	CR99162*
SL063	1.647	1.654	1.650	2.087	0.445	0.571	0.843	CR99166
SL064	1.647	1.654	1.650	2.087	0.563	0.689	0.827	CR99169*
SL065	1.653	1.659	1.656	2.087	0.551	0.689	0.827	CR99165
SL066	1.685	1.691	1.688	1.906	0.315	0.437	0.874	CR99167
SL067	1.684	1.690	1.688	1.906	0.563	0.689	0.874	CR99168
SL068	1.687	1.693	1.693	1.906	0.500	0.626	0.839	CR99182
SL276	1.712	1.714	1.713	1.985	0.375	0.500	0.815	-
SL069	1.715	1.721	1.719	2.032	0.563	0.689	0.815	CR99171
SL279	1.715	1.721	1.719	2.032	-	0.500	-	-
SL070	1.736	1.742	1.739	2.063	0.374	0.500	0.815	CR99170
SL071	1.747	1.753	1.750	2.055	0.374	0.500	0.815	CR99172
SL074	1.747	1.753	1.750	2.063	0.532	0.626	0.878	CR99180

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



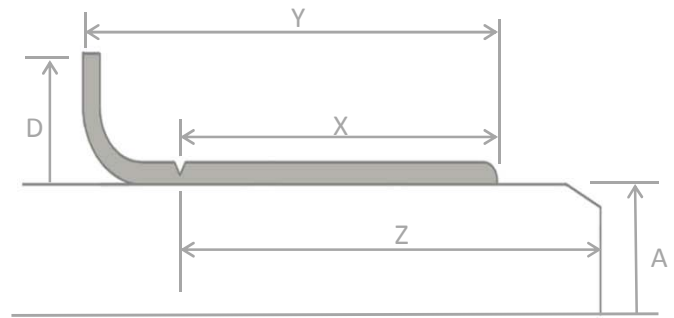
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL072	1.747	1.753	1.750	2.063	0.563	0.689	0.815	CR99174*
SL073	1.747	1.753	1.750	2.063	0.752	0.874	0.815	CR99175*
SL075	1.761	1.767	1.766	2.063	0.563	0.689	0.815	CR99176*
SL076	1.769	1.775	1.772	2.087	0.551	0.669	0.811	CR99177*
SL077	1.778	1.784	1.781	2.126	0.665	0.799	1.063	CR99179
SL078	1.809	1.815	1.813	2.091	0.563	0.689	1.000	CR99181*
SL079	1.857	1.863	1.859	2.158	0.563	0.689	1.000	CR99185
SL080	1.866	1.872	1.868	2.189	0.890	1.024	1.000	CR99186
SL084	1.872	1.878	1.875	2.205	0.177	0.295	0.740	CR99190
SL083	1.872	1.878	1.875	2.205	0.295	0.413	0.740	CR99188
SL081	1.872	1.878	1.875	2.205	0.374	0.516	1.047	CR99184
SL082	1.872	1.878	1.875	2.205	0.563	0.689	1.000	CR99187*
SL085	1.887	1.893	1.891	2.205	0.551	0.669	0.984	CR99189
SL086	1.909	1.915	1.912	2.221	0.374	0.500	1.000	CR99192
SL087	1.934	1.940	1.938	2.221	0.563	0.689	1.000	CR99193*
SL088	1.965	1.971	1.969	2.244	0.551	0.669	0.984	CR99196
SL089	1.977	1.983	1.980	2.315	0.563	0.705	1.047	CR99198
SL090	1.997	2.003	2.000	2.406	0.563	0.689	1.000	CR99199*
SL091	1.997	2.003	2.000	2.406	0.874	1.000	1.000	CR99200*
SL092	2.040	2.047	2.047	2.469	0.500	0.626	1.358	CR99204
SL093	2.057	2.063	2.063	2.469	0.780	0.937	1.374	CR99205
SL094	2.123	2.128	2.125	2.421	0.500	0.752	1.280	CR99210
SL095	2.124	2.130	2.125	2.421	0.780	0.937	1.374	CR99212*
SL288	2.162	2.168	2.165	2.441	0.394	0.512	1.252	-
SL096	2.162	2.168	2.165	2.441	0.787	0.906	1.252	CR99215
SL097	2.186	2.192	2.188	2.500	0.780	0.937	1.315	CR99218
SL268	2.197	2.205	2.205	2.531	0.779	0.936	3.150	CR99224
SL098	2.198	2.205	2.205	2.532	0.500	0.626	1.315	CR99220
SL099	2.227	2.233	2.230	2.532	0.500	0.626	1.315	CR99229*
SL100	2.227	2.233	2.230	2.532	0.780	0.906	1.252	CR99230
SL101	2.237	2.243	2.240	2.563	0.764	0.902	1.252	CR99226
SL103	2.249	2.255	2.250	2.532	0.315	0.437	1.315	CR99227*
SL102	2.249	2.255	2.250	2.532	0.780	0.937	1.315	CR99225*
SL277	2.255	2.261	2.256	2.530	-	0.675	-	-
SL104	2.280	2.286	2.284	2.598	0.781	0.938	1.375	CR99219
SL283	2.309	2.315	2.312	2.688	0.781	0.937	1.600	-
SL105	2.309	2.315	2.313	2.689	0.780	0.937	1.374	CR99231
SL106	2.327	2.333	2.328	2.748	0.752	0.874	1.500	CR99233
SL271	2.359	2.365	2.362	2.748	0.630	0.748	1.465	-
SL108	2.359	2.365	2.362	2.784	0.370	0.449	1.469	CR99241
SL107	2.359	2.365	2.362	2.784	0.787	0.906	1.374	CR99235

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



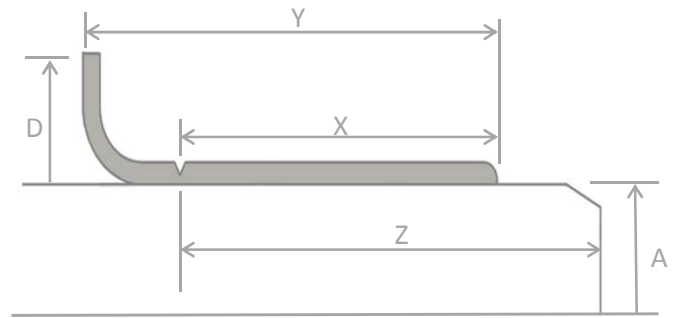
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL274	2.359	2.365	2.362	2.785	0.984	1.102	1.465	-
SL111	2.374	2.380	2.375	2.748	0.528	0.685	1.374	CR99240
SL110	2.372	2.378	2.375	2.748	0.595	0.752	1.374	CR99238
SL109	2.374	2.380	2.375	2.748	0.780	0.937	1.374	CR99237*
SL269	2.369	2.375	2.375	2.748	0.780	0.937	1.374	CR99236
SL113	2.434	2.440	2.438	2.827	0.780	0.937	1.394	CR99243
SL112	2.435	2.441	2.438	2.827	0.500	0.626	1.421	CR99242
SL114	2.434	2.441	2.441	2.827	0.500	0.626	1.421	CR99244
SL115	2.489	2.495	2.492	2.874	0.780	0.937	1.394	CR99249
SL118	2.497	2.503	2.500	2.819	0.555	0.650	0.890	CR99253
SL117	2.500	2.506	2.500	2.819	0.780	0.937	1.374	CR99250*
SL116	2.500	2.506	2.500	2.827	0.500	0.658	1.394	CR99248
SL119	2.510	2.516	2.516	2.827	0.780	0.906	1.437	CR99251
SL120	2.556	2.562	2.559	2.850	0.787	0.906	1.374	CR99254*
SL121	2.560	2.566	2.563	2.890	0.780	0.937	1.374	CR99256
SL122	2.595	2.601	2.598	2.992	0.780	0.937	1.252	CR99259
SL123	2.618	2.624	2.621	3.047	0.780	0.937	1.374	CR99261
SL124	2.622	2.628	2.625	3.047	0.500	0.626	1.374	CR99260
SL125	2.625	2.631	2.625	3.047	0.780	0.937	1.374	CR99262*
SL126	2.621	2.627	2.625	3.047	0.780	0.906	1.374	CR99264
SL127	2.670	2.677	2.677	3.126	0.752	0.874	1.689	CR99266
SL128	2.727	2.733	2.730	3.126	0.780	0.906	1.315	CR99268
SL129	2.740	2.746	2.743	3.063	0.780	0.937	1.252	CR99273
SL130	2.747	2.753	2.750	3.075	1.437	1.626	1.626	CR99267
SL132	2.750	2.756	2.750	3.126	0.406	0.563	1.252	CR99272
SL133	2.745	2.751	2.750	3.126	0.780	0.937	1.252	CR99274*
SL134	2.750	2.756	2.750	3.126	0.780	0.937	1.252	CR99275*
SL270	2.747	2.753	2.750	3.126	0.780	0.937	1.252	CR99270
SL131	2.750	2.756	2.750	3.126	1.126	1.252	1.311	CR99269
SL135	2.753	2.759	2.756	3.126	0.787	0.945	1.252	CR99276
SL136	2.809	2.815	2.813	3.189	0.595	0.689	1.252	CR99281
SL137	2.828	2.835	2.835	3.224	0.752	0.874	1.343	CR99284*
SL138	2.838	2.844	2.838	3.224	0.500	0.658	1.252	CR99282*
SL139	2.866	2.872	2.869	3.189	0.780	0.937	1.252	CR99286
SL140	2.873	2.879	2.875	3.221	0.780	0.937	1.252	CR99287*
SL141	2.937	2.943	2.938	3.343	0.500	0.642	1.331	CR99290
SL142	2.937	2.943	2.938	3.343	0.780	0.937	1.315	CR99293*
SL280	2.950	2.956	2.953	3.272	0.335	0.472	-	-
SL143	2.950	2.956	2.953	3.272	0.595	0.689	1.083	CR99289
SL144	2.950	2.956	2.953	3.307	0.866	1.024	1.315	CR99294*
SL145	2.972	2.976	2.974	3.236	0.811	1.000	1.252	CR99292

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



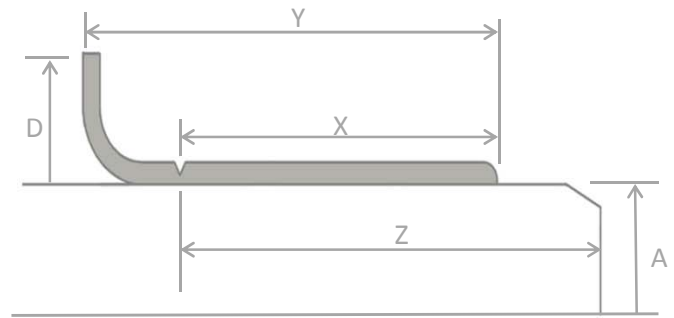
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL148	2.990	2.996	2.993	3.350	0.811	1.000	1.280	CR99299
SL146	2.990	2.996	2.993	3.358	0.484	0.626	1.331	CR99291
SL147	2.990	2.996	2.993	3.358	0.563	0.689	1.374	CR99298
SL150	3.000	3.006	3.000	3.236	0.811	1.000	1.280	CR99300*
SL149	2.997	3.003	3.000	3.240	0.811	0.937	1.374	CR99296
SL151	3.000	3.006	3.000	3.347	0.626	0.811	1.280	CR99303
SL152	3.008	3.014	3.011	3.354	0.500	0.626	2.000	CR99301
SL153	3.064	3.071	3.071	3.465	0.752	0.874	2.055	CR99306
SL154	3.124	3.132	3.125	3.524	0.551	0.709	2.032	CR99307
SL155	3.120	3.126	3.125	3.532	0.689	0.811	2.000	CR99311
SL156	3.120	3.126	3.125	3.532	0.811	1.000	2.000	CR99312*
SL157	3.142	3.15	3.146	3.539	0.752	0.886	1.374	CR99313
SL159	3.146	3.153	3.150	3.543	0.433	0.591	1.374	CR99317
SL158	3.146	3.153	3.150	3.543	0.827	0.945	1.374	CR99315
SL160	3.225	3.231	3.228	3.587	0.661	0.847	1.752	CR99328
SL162	3.250	3.256	3.250	3.575	0.595	0.721	1.374	CR99324*
SL164	3.250	3.256	3.250	3.587	0.689	0.874	1.252	CR99326
SL163	3.250	3.256	3.250	3.587	0.811	1.000	1.374	CR99325*
SL161	3.247	3.253	3.250	3.595	0.811	1.000	1.374	CR99322
SL284	3.248	3.254	3.251	3.585	0.600	0.725	1.375	-
SL165	3.307	3.313	3.310	3.689	0.811	1.000	1.374	CR99331
SL166	3.337	3.347	3.342	3.701	0.669	0.827	1.378	CR99332
SL167	3.337	3.347	3.342	3.701	0.827	0.984	1.378	CR99333*
SL168	3.338	3.347	3.347	3.579	0.398	0.500	1.429	CR99334
SL170	3.373	3.379	3.375	3.689	0.374	0.500	1.409	CR99338
SL169	3.373	3.379	3.375	3.693	0.811	1.000	1.374	CR99337
SL171	3.435	3.441	3.438	3.843	0.780	0.906	1.406	CR99339
SL172	3.477	3.483	3.480	3.835	0.780	0.906	1.406	CR99340
SL174	3.500	3.506	3.500	3.827	0.315	0.500	1.347	CR99347
SL173	3.497	3.503	3.500	3.843	0.626	0.811	1.347	CR99346
SL175	3.500	3.506	3.500	3.843	0.811	1.000	1.347	CR99350*
SL176	3.501	3.507	3.504	3.843	0.626	0.811	1.347	CR99349
SL178	3.540	3.546	3.543	4.000	0.437	0.539	1.811	CR99352
SL179	3.540	3.546	3.543	4.000	0.528	0.665	1.752	CR99353
SL177	3.540	3.546	3.543	4.000	0.709	0.906	1.811	CR99351
SL180	3.540	3.546	3.543	4.000	0.906	1.102	1.752	CR99354
SL181	3.560	3.566	3.563	3.902	0.811	1.000	1.752	CR99356
SL182	3.618	3.624	3.621	4.032	0.811	1.000	1.752	CR99360
SL183	3.623	3.629	3.625	4.032	0.811	1.000	1.752	CR99362
SL184	3.623	3.629	3.626	4.025	0.500	0.625	1.750	CR99363
SL185	3.685	3.691	3.688	4.024	0.811	0.937	1.799	CR99365

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



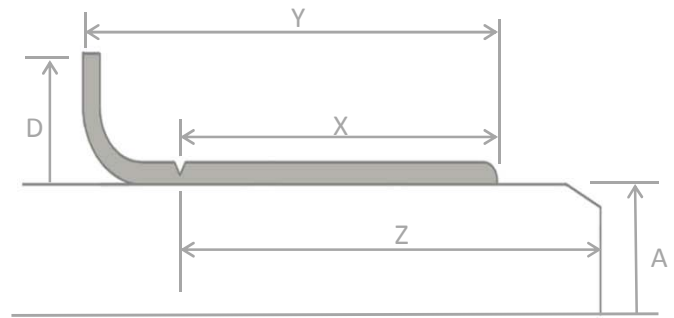
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL186	3.684	3.690	3.688	4.032	0.315	0.437	0.874	CR99368
SL188	3.727	3.733	3.730	4.024	0.780	0.906	1.799	CR99366
SL187	3.727	3.733	3.730	4.032	0.469	0.595	1.799	CR99359
SL189	3.737	3.743	3.740	4.024	0.827	0.945	1.799	CR99369
SL191	3.740	3.746	3.740	4.032	0.343	0.500	1.799	CR99374
SL190	3.740	3.746	3.740	4.035	0.469	0.595	1.799	CR99364
SL194	3.750	3.756	3.750	4.020	0.689	0.874	1.799	CR99372*
SL193	3.750	3.756	3.750	4.024	0.343	0.500	1.799	CR99367
SL192	3.746	3.752	3.750	4.024	0.563	0.689	1.799	CR99376
SL195	3.868	3.874	3.871	4.185	0.813	1.000	1.875	CR99386
SL196	3.873	3.875	3.875	4.221	0.811	1.000	1.874	CR99387
SL197	3.935	3.941	3.937	4.311	0.811	1.000	2.047	CR99393*
SL201	3.998	4.006	4.000	4.374	0.500	0.626	2.067	CR99401
SL198	3.998	4.006	4.000	4.374	0.598	0.724	2.047	CR99395
SL200	3.998	4.006	4.000	4.374	0.650	0.776	1.374	CR99400
SL199	3.998	4.006	4.000	4.374	0.811	1.000	2.047	CR99399*
SL202	4.090	4.098	4.095	4.437	0.787	0.945	1.417	CR99409
SL203	4.122	4.130	4.125	4.469	0.811	1.000	1.374	CR99412
SL204	4.130	4.138	4.134	4.469	0.787	0.913	1.378	CR99413
SL205	4.183	4.191	4.188	4.500	0.811	1.000	1.374	CR99418
SL287	4.226	4.234	4.230	4.610	0.709	0.906	1.366	-
SL206	4.226	4.234	4.234	4.610	0.780	0.906	1.437	CR99423
SL207	4.248	4.256	4.250	4.610	0.811	1.000	1.437	CR99424
SL208	4.327	4.335	4.328	4.921	0.508	0.650	1.260	CR99435
SL209	4.322	4.331	4.331	4.921	0.449	0.591	1.295	CR99434
SL210	4.370	4.378	4.375	4.752	0.811	1.000	1.654	CR99437
SL211	4.402	4.409	4.406	4.752	0.752	0.886	1.299	CR99438
SL212	4.434	4.442	4.438	4.811	1.000	1.142	1.315	CR99439
SL213	4.496	4.504	4.500	4.902	0.811	1.000	1.260	CR99450*
SL214	4.523	4.531	4.528	5.000	0.811	0.937	1.260	CR99452
SL216	4.621	4.629	4.626	5.000	0.437	0.626	1.374	CR99465
SL215	4.621	4.629	4.626	5.063	1.000	1.252	1.374	CR99463
SL217	4.685	4.693	4.688	5.063	0.811	1.000	1.374	CR99468
SL218	4.720	4.728	4.724	5.110	0.315	0.433	1.323	CR99471
SL219	4.720	4.728	4.724	5.110	0.787	0.984	1.260	CR99473
SL220	4.746	4.754	4.750	5.000	0.500	0.752	1.500	CR99475
SL221	4.799	4.807	4.803	5.177	0.787	0.945	1.260	CR99472
SL222	4.839	4.847	4.843	5.228	0.787	0.984	1.244	CR99484
SL223	4.871	4.879	4.875	5.248	0.626	0.752	1.437	CR99487
SL224	4.917	4.925	4.921	5.402	0.394	0.551	1.437	CR99490
SL225	4.917	4.925	4.921	5.402	1.024	1.260	1.437	CR99492

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



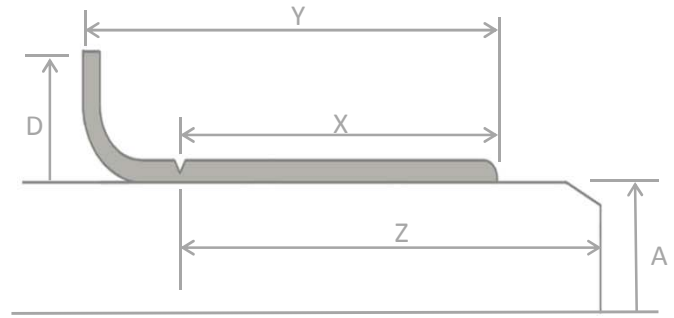
NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL227	4.998	5.006	5.000	5.390	0.811	1.000	1.437	CR99499*
SL228	4.998	5.006	5.000	5.402	0.539	0.681	1.437	CR99501
SL226	4.998	5.006	5.000	5.402	0.689	0.874	1.437	CR99498*
SL229	5.110	5.118	5.114	5.492	0.752	0.937	1.181	CR99494
SL230	5.117	5.125	5.125	5.492	0.866	0.996	1.280	CR99491*
SL231	5.120	5.128	5.125	5.500	0.811	1.000	1.252	CR99513
SL232	5.246	5.254	5.250	5.559	0.811	1.000	1.252	CR99525
SL233	5.307	5.315	5.313	5.736	0.807	1.000	1.252	CR99533
SL234	5.371	5.379	5.375	5.874	0.811	1.000	1.252	CR99537
SL235	5.434	5.442	5.438	5.752	1.500	1.965	1.874	CR99548
SL236	5.472	5.480	5.476	5.902	0.563	0.752	1.232	CR99547
SL238	5.498	5.506	5.500	5.937	0.520	0.705	1.252	CR99550
SL237	5.498	5.506	5.500	5.937	0.811	1.000	1.252	CR99549*
SL239	5.508	5.516	5.512	5.945	0.807	1.000	1.252	CR99552
SL240	5.621	5.629	5.625	6.188	0.875	1.000	1.812	CR99560
SL241	5.699	5.709	5.709	6.098	0.752	0.874	1.811	CR99571
SL242	5.726	5.734	5.734	6.098	0.563	0.752	1.937	CR99562
SL243	5.746	5.754	5.750	6.181	0.811	1.000	1.752	CR99575
SL244	5.871	5.879	5.875	6.189	1.000	1.252	1.315	CR99587*
SL245	5.896	5.906	5.906	6.260	1.024	1.181	1.280	CR99595
SL246	5.934	5.942	5.938	6.374	1.000	1.126	1.874	CR99596
SL248	5.995	6.003	6.000	6.358	0.500	0.752	1.752	CR99601
SL247	5.995	6.003	6.000	6.374	1.000	1.252	1.752	CR99599
SL249	6.058	6.068	6.063	6.374	1.024	1.181	1.299	CR99605
SL250	6.093	6.102	6.097	6.575	1.024	1.181	1.299	CR99606
SL251	6.198	6.208	6.203	6.626	0.811	1.063	1.752	CR99620
SL252	6.245	6.255	6.250	6.626	1.032	1.252	1.752	CR99625
SL253	6.289	6.299	6.299	6.748	1.000	1.252	1.378	CR99630
SL254	6.495	6.505	6.500	7.000	1.000	1.252	1.378	CR99650
SL286	6.620	6.630	6.625	7.000	1.000	1.250	1.500	CR99660
SL255	6.683	6.693	6.688	7.189	1.252	1.496	1.752	CR99640
SL256	6.745	6.755	6.750	7.126	0.811	1.063	1.752	CR99675
SL257	6.880	6.890	6.890	7.362	1.102	1.260	1.378	CR99687
SL258	6.995	7.005	7.000	7.476	1.000	1.252	1.685	CR99700*
SL259	7.077	7.087	7.087	7.500	1.299	1.496	1.752	CR99721
SL260	7.244	7.254	7.250	7.760	1.252	1.500	2.173	CR99725
SL261	7.273	7.284	7.278	7.760	1.260	1.496	2.173	CR99726
SL262	7.444	7.454	7.453	7.858	0.811	1.000	1.252	CR99745
SL263	7.495	7.505	7.500	7.874	0.811	1.000	1.252	CR99750
SL264	7.745	7.755	7.750	8.272	1.000	1.315	1.874	CR99775
SL265	7.869	7.879	7.875	8.374	1.358	1.500	1.752	CR99787

☆ Indicates assembly tool material made by Aluminum

Size List

NAK WEAR-PRO Sleeve

/ Inches



NAK No.	A Shaft diameter range		Nominal Shaft Diameter (mm)	D Flange Diameter (+/-1.60 MM)	X Width on Shaft (+/-0.80 MM)	Y Overall Width (+/-0.80 MM)	Z Installation Depth MM	SKF/CR No.
	Minimum mm	Maximum mm						
SL266	7.933	7.943	7.938	8.374	1.000	1.252	1.752	CR99799
SL267	7.995	8.005	8.000	8.374	1.000	1.252	1.752	CR99800



Subsidiary map

Existing subsidiaries worldwide



Factory



Service office & warehouse



Taiwan (NAK Headquarters)

NAK SEALING TECHNOLOGIES CORPORATION
No.336, Industrial Road, Nankang Industrial Zone, Nantou City 54065, Taiwan
TEL : 886-49-2255011
FAX : 886-49-2250035
E-mail : service@mail.nak.com.tw
www.nak.com.tw



China

KUNSHAN MAOSHUN SEALING PRODUCTS INDUSTRIAL CO., LTD.
No.271, Xingpu Road, Zhoushi Town, Kun Shan City, Jiangsu Prov., China 215337
TEL : 86-512-57666240; 86-512-57665788
FAX : 86-512-57665827; 86-512-57664409
E-mail : sales@nak.com.cn
www.ksnak.com



Iran

KISH NAK OIL SEAL MFG. CO., LTD.
No.67, Eshghyar St. Khorramshahr Ave., Tehran 15339, Iran
TEL : 98-21-88761965
FAX : 98-21-88741319
E-mail : kishnak@parsonline.net



Thailand

NAK SEALING PRODUCTS(THAILAND) CO., LTD.
120/36 Moo 12 Soi 21/2 Kingkaew-Bangplee Road, Tumbul Rachatewa, Ampur Bangplee Samutprakarn 10540, Thailand
TEL : 66-2-750-1988
FAX : 66-2-750-1868
E-mail : sales@mail.thainak.com



Russia

NAK INTERNATIONAL LTD.
Russia, Postal Index 143956, Moscow Region, Balashiha, Mikroraion Nikolsko-Arhangelskiy, Vishnyakovskoe Shosse, 56, "NAK INTERNATIONAL LTD."
TEL : 7-495-545-94-00
FAX : 7-495-646-79-29
E-mail : info@naksealing.ru
www.naksealing.ru



India

NAK SEALING TECHNOLOGIES (INDIA) PRIVATE LIMITED
P-1, Phase II, Dr.Vikram Sarabhai Industrial Estate, Thiruvannmiyur, Chennai - 600 041, Tamilnadu, India.
TEL : 91-44-64586657; 91-44-64586661
FAX : 91-44-24540254
E-mail : marketing@nakindia.com



Brazil

NAK DO BRASIL INDUSTRIA E COMERCIO DE COMPONENTES DE VEDACAO LTDA
Rua Soldado Benedito Eliseo Dos Santos, NRO 10 CEP 02177-020, Sao Paulo S.P, Brazil
TEL : 55-11-3807-3001
FAX : 55-11-3807-3002
E-mail : nakbrasil@nakbrasil.com.br
comercial@nakbrasil.com.br



Australia

NAK TOTAL SEALING SOLUTIONS AUSTRALIA
Unit 1-17 Buttonwood Place, Willawong QLD 4110, Australia
TEL : 617-3161-5210
FAX : 612-6674-2516
E-mail : sales@sealingtechnologies.net
www.naksealingtechnologies.com



Disclaimer

1. NAK products are not intended to be used, installed or applied in or on any aerospace related instruments and/or equipment. Any such use, installation, or application is prohibited and shall void all warranties.
2. NAK disclaims any and all express or implied warranties if the products :
 - 2.1 are modified or tampered with;
 - 2.2 are misused, abused or misapplied;
 - 2.3 are used in a critical environment or specific equipment without NAK's prior written consent;
 - 2.4 are not used in accordance with the printed user instruction materials; or
 - 2.5 are damaged due to natural deterioration, decomposition or transformation of chemical structure.
3. The products may be applied in critical environment or specific equipment only upon official confirmation of the sample by NAK's technical personnel and the passing of tests conducted by buyer.