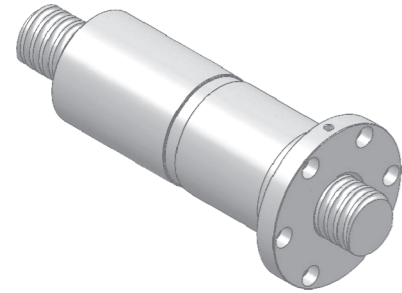




DFN
Double Flange Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10^6 revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating C_0 .
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (F_a) differs from the $0.3 C_0$ then the value of Stiffness (K) should be calculated using

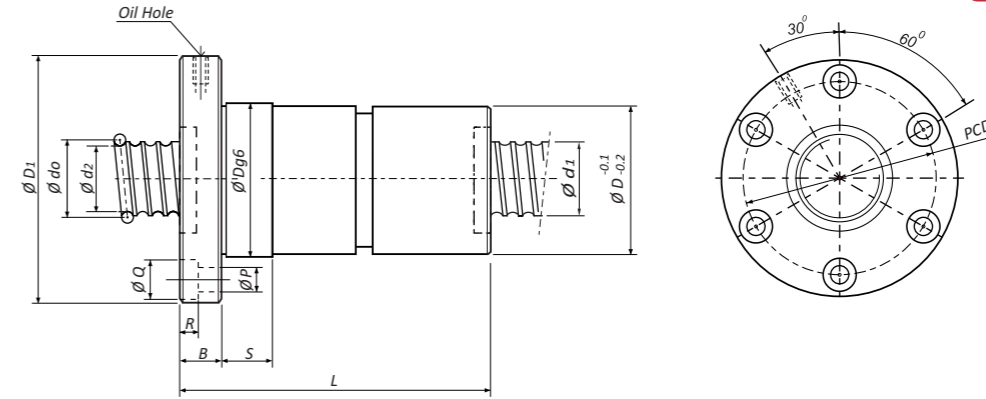
$$K_n = K \left[\frac{F_a}{0.3 C_0} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia d_0	Lead ph	Screw O.D d_1	Root Dia d_2	Ball Dia D_w	No. of Turns i	Basic Load Rating	
							Dynamic C_0 N	Static C_{0a} $N/\mu m$
1604 DFN 2	16.66	4	16	14.25	2.381	2	3532	7560
1605 DFN 2	17	5		13.45	3.5	2	6207	11727
2004 DFN 2	20.66	4	20	18.25	2.381	2	4449	10881
2004 DFN 3						3	6306	16322
2005 DFN 2	21	5	20	17.45	3.5	2	7090	14948
2005 DFN 3						3	10048	22423
2504 DFN 2	25.66	4	25	23.25	2.381	2	4959	13858
2504 DFN 3						3	7027	20787
2505 DFN 3	26	5	25	22.45	3.5	3	11839	30460
2505 DFN 4						4	15163	40614
2506 DFN 3	26.3	6	25	22.26	3.969	3	15640	32961
2506 DFN 4						4	20030	28940
2508 DFN 3	26.6	8	28	21.73	4.762	3	13538	32961
2508 DFN 4						4	17338	43948
2510 DFN 2	26.6	10	28	21.73	4.762	2	11850	25545
2805 DFN 3	29	5	28	25.45	3.500	3	13980	36780
2805 DFN 4						4	17830	49050
2806 DFN 3	29.3	6	28	25.26	3.969	3	16820	42490
2806 DFN 4						4	21540	56660
2808 DFN 3	29.6	8	28	24.73	4.762	3	17661	44615
2808 DFN 4						4	22617	59493
2810 DFN 2	29.6	10	28	24.73	4.762	2	11540	23820
3205 DFN 3	33	5	32	29.45	3.500	3	13475	40108
3205 DFN 4						4	17257	53477
3205 DFN 5	33.3	6	32	29.26	3.969	5	26380	82550
3206 DFN 3						3	15945	45366
3206 DFN 4	33.3	6	32	29.26	3.969	4	20420	60486
3206 DFN 5						5	20908	66846
3208 DFN 3	33.6	8	32	28.73	4.762	3	20080	53366
3208 DFN 4						4	25717	71154
3210 DFN 3	34.1	10	32	27.61	6.350	3	25810	57710
3210 DFN 4						4	34477	84224
3212 DFN 2	34.1	12	32	27.61	6.350	2	16890	33120
3212 DFN 3						3	23940	49680
3605 DFN 3	37	5	36	33.45	3.500	3	15400	47180
3605 DFN 4						4	19730	62910
3605 DFN 6	37.3	6	36	33.26	3.969	6	27960	94370
3606 DFN 3						3	18610	54240
3606 DFN 4	37.3	6	36	33.26	3.969	4	23830	72320
3608 DFN 3						3	18930	48280
3608 DFN 4	37.6	8	36	32.73	4.762	4	24320	64610
3610 DFN 3						3	27490	65500
3610 DFN 4	38.1	10	36	31.61	6.350	4	35210	87330
3612 DFN 2						2	18440	39000
3612 DFN 3	38.1	12	36	31.61	6.350	3	26140	58500

DFN
Double Flange Nut

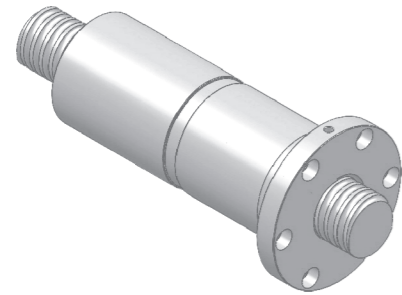


NUT DIMENSIONS

NUT DIMENSIONS										Model No.
D	D1	B	S	PCD	L	P	Q	R	Oil Hole	
29	49	10	12	39	58	4.5	7.8	4.5	M6	1604 DFN 2
33	52	10	12	42	67	4.5	7.8	4.5	M6	1605 DFN 2
34	60	12	12	48	58	4.5	9.8	4.5	M6	2004 DFN 2
					68					2004 DFN 3
37	60	12	12	48	67	5.5	9.8	5.5	M6	2005 DFN 2
					79					2005 DFN 3
40	64	12	15	51	58	5.5	9.8	5.5	M6	2504 DFN 2
					68					2504 DFN 3
40	64	12	15	51	67	5.5	9.8	5.5	M6	2505 DFN 3
					79					2505 DFN 4
40	64	12	15	51	92	5.5	9.8	5.5	M6	2506 DFN 3
					104					2506 DFN 4
40	64	12	15	51	108	5.5	9.8	9.8	M6	2508 DFN 3
					126					2508 DFN 4
40	64	12	15	51	112	5.5	9.8	9.8	M6	2510 DFN 2
					79					2805 DFN 3
43	71	12	15	57	89	6.6	11.0	6.5	M6	2805 DFN 4
					92					2806 DFN 3
43	71	12	15	57	104	6.6	11.0	6.5	M6	2806 DFN 4
					108					2808 DFN 3
45	71	12	15	57	126	6.6	11.0	6.5	M6	2808 DFN 4
					112					2810 DFN 2
50	76	12	15	62	79	6.6	11.0	6.5	M6	3205 DFN 3
					89					3205 DFN 4
50	76	12	15	62	101	6.6	11.0	6.5	M6	3205 DFN 5
					92					3206 DFN 3
50	76	12	15	62	104	6.6	11.0	6.5	M6	3206 DFN 4
					116					3206 DFN 5
54	80	12	15	66	108	6.6	11.0	6.5	M6	3208 DFN 3
					126					3208 DFN 4
57	83	12	15	69	134	6.6	11.0	6.5	M6	3210 DFN 3
					156					3210 DFN 4
57	83	12	15	69	126	6.6	11.0	6.5	M6	3212 DFN 2
					154					3212 DFN 3
54	80	12	15	66	79	6.6	11.0	6.5	M6	3605 DFN 3
					89					3605 DFN 4
54	80	12	15	69	111	6.6	11.0	6.5	M6	3605 DFN 6
					92					3606 DFN 3
54	80	12	15	69	104	6.6	11.0	6.5	M6	3606 DFN 4
					64					3608 DFN 3
57	83	12	15	69	73	6.6	11.0	6.5	M6	3608 DFN 4
					134					3610 DFN 3
60	86	12	15	72	156	6.6	11.0	6.5	M6	3610 DFN 4
					126					3612 DFN 2
66	92	12	15	78	154	6.6	11.0	6.5	M6	3612 DFN 3



DFN
Double Flange Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

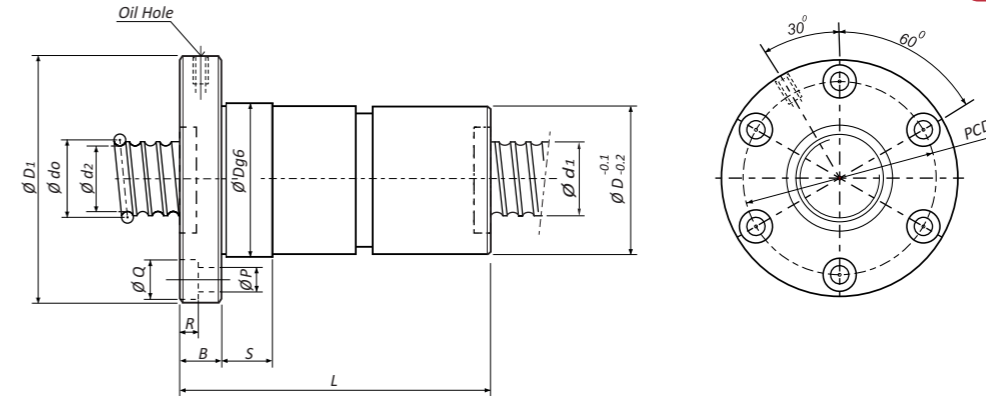
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No. of Turns i	Basic Load Rating	
							Dynamic Co N	Static Coa N/μm
4005 DFN 3	41	5	40	37.45	3.500	3	15508	52947
4005 DFN 4						4	19265	68478
4005 DFN 6						6	27303	102717
4006 DFN 3	41.3	6	40	37.26	3.969	3	17787	57771
4006 DFN 4						4	22779	77029
4008 DFN 3	41.6	8	40	36.73	4.762	3	22585	68257
4008 DFN 4						4	28925	91010
4010 DFN 3	42.1	10	40	35.61	6.350	3	31514	86959
4010 DFN 4						4	40392	112467
4012 DFN 3	42.1	12	40	35.61	6.350	3	31525	84245
4012 DFN 4						4	40374	112326
4016 DFN 2	42.1	16	40	35.61	6.350	2	19750	44750
4016 DFN 3						3	27990	67120
4505 DFN 3	46	5	45	42.45	3.500	3	16860	59050
4505 DFN 4						4	20360	68880
4505 DFN 6						6	24670	86100
4506 DFN 4	46.3	6	45	42.26	3.969	4	20360	67910
4506 DFN 6						6	36960	135810
4508 DFN 3	46.6	8	45	41.73	4.763	3	21570	63620
4508 DFN 4						4	27500	84550
4510 DFN 3	47.1	10	45	40.61	6.350	3	31160	84850
4510 DFN 4						4	39910	113140
4512 DFN 3	47.1	12	45	40.61	6.350	3	30870	80530
4512 DFN 4						4	39530	107380
4516 DFN 2	47.1	16	45	40.61	6.350	2	21710	53550
4516 DFN 3						3	30760	80330
4520 DFN 2	47.1	20	45	40.61	6.350	2	21620	53380
4520 DFN 3						3	30640	80070
5005 DFN 3	51	5	50	47.45	3.500	3	19880	74305
5005 DFN 4						4	25461	99074
5005 DFN 6						6	30377	131600
5006 DFN 4	51.3	6	50	47.26	3.969	4	26734	104028
5006 DFN 6						6	36084	148611
5008 DFN 3	51.6	8	50	46.73	3.969	3	25586	89090
5008 DFN 4						4	32769	118786
5010 DFN 3	52	10	50	45.51	7.144	3	41426	120226
5010 DFN 4						4	53053	160301
5010 DFN6						6	75189	240452
5012 DFN 3	52	12	50	44.75	7.144	3	47208	131838
5012 DFN 4						4	60458	175782
5016 DFN 3	52	16	50	44.75	7.144	3	41385	119877
5016 DFN 4						4	53002	159837
5020 DFN 3	52	20	50	44.75	7.144	3	45686	137188
5020 DFN 4						4	59138	185868
5508 DFN 3	56.6	8	55	51.73	4.762	3	23930	81090
5508 DFN 4						4	30700	108100

DFN
Double Flange Nut

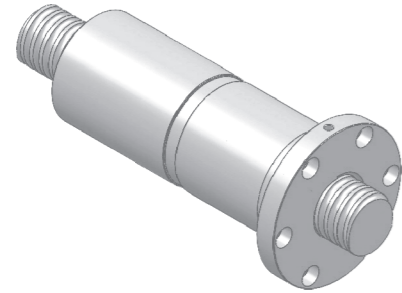


NUT DIMENSIONS

D	D1	B	S	PCD	L	P	Q	R	Oil Hole	Model No.
57	83	12	15	69	79	6.6	11.0	6.5	M6	4005 DFN 3
					89					4005 DFN 4
					111					4005 DFN 6
60	91	12	15	75	92	9.0	14.5	8.5	M6	4006 DFN 3
					104					4006 DFN 4
62	93	16	15	77	112	9.0	14.5	8.5	M6	4008 DFN 3
					130					4008 DFN 4
65	98	16	15	80	134	9.0	14.5	8.5	M6	4010 DFN 3
					156					4010 DFN 4
70	101	16	15	85	158	9.0	14.5	8.5	M6	4012 DFN 3
					184					4012 DFN 4
70	101	18	15	85	166	9.0	14.5	8.5	M6	4016 DFN 2
					202					4016 DFN 3
62	88	12	15	74	47	9.0	14.5	8.5	M6	4505 DFN 3
					53					4505 DFN 4
					63					4505 DFN 6
62	88	12	15	74	104	9.0	14.5	8.5	M6	4506 DFN 4
					130					4506 DFN 6
65	98	16	15	80	112	9.0	14.5	8.5	M6	4508 DFN 3
					130					4508 DFN 4
70	101	16	15	85	156	9.0	14.5	5.8	M6	4510 DFN 4
					158					4512 DFN 3
					184					4512 DFN 4
72	103	18	15	87	166	9.0	14.5	5.8	M6	4516 DFN 2
					202					4516 DFN 3
72	103	18	15	87	198	9.0	14.5	5.8	M6	4520 DFN 2
					244					4520 DFN 3
72	103	18	15	87	119	9.0	14.5	5.8	M6	4525 DFN2
					83					5005 DFN 3
67	100	16	15	82	93	9.0	14.5	5.8	M6	5005 DFN 4
					115					5005 DFN 6
					96					5006 DFN 4
70	101	16	15	85	134	9.0	14.5	5.8	M6	5006 DFN 6
					108					5008 DFN 3
72	103	16	15	87	126	9.0	14.5	5.8	M6	5008 DFN 4
					136					5010 DFN 3
75	114	18	15	93	158	9.0	14.5	5.8	M6	5010 DFN 4
					200					5010 DFN6
					160					5012 DFN 3
80	119	18	15	98	186	11.0	17.5	11.0	M8 x 1	5012 DFN 4
					202					5016 DFN 3
80	119	18	15	98	238	11.0	17.5	11.0	M8 x 1	5016 DFN 4
					244					5020 DFN 3
80	119	18	15	98	288	11.0	17.5	11.0	M8 x 1	5020 DFN 3
					112					5508 DFN 3
78	117	16	15	96	130	11.0	17.5	11.0	M8 x 1	5508 DFN 4



DFN
Double Flange Nut



WIPER
Nut Dimensions specified is with wiper.

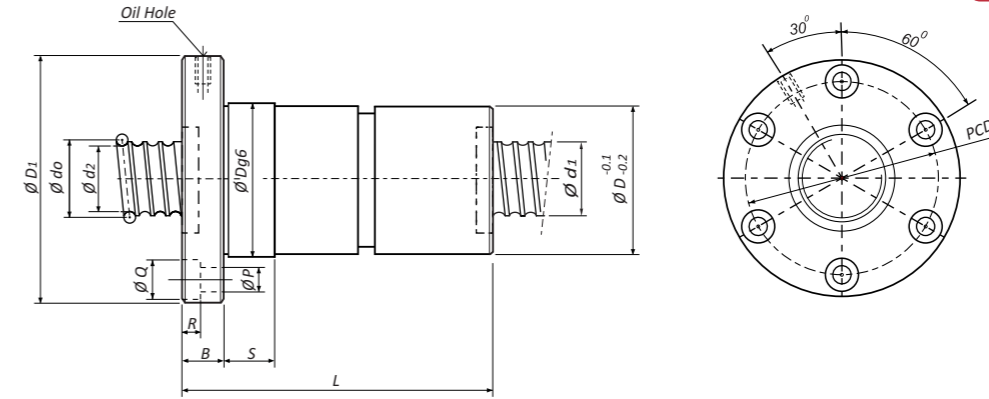
LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

DFN
Double Flange Nut

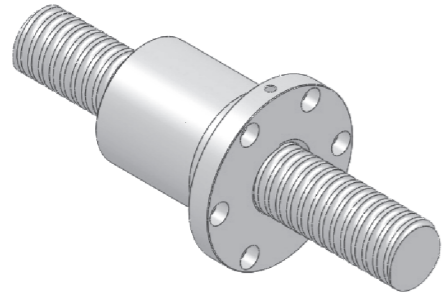


Model No.	BASIC SPECIFICATIONS							Basic Load Rating		Model No.
	Nominal Dia do	Lead ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No. of Turns i	Dynamic Co	Static Coa		
							N	N/μm		
5510 DFN3	57	10	55	49.75	7.144	3	51920	154530	5510 DFN3	
5510 DFN 4						4	66680	206740	5510 DFN 4	
5510 DFN 6						6	94510	310100	5510 DFN 6	
5512 DFN 3	57	12	55	49.75	7.144	3	52020	154950	5512 DFN 3	
5512 DFN 4						4	66630	206590	5512 DFN 4	
5516 DFN 3						3	51910	154680	5516 DFN 3	
5516 DFN 4	57	16	55	49.75	7.144	4	66470	206240	5516 DFN 4	
5520 DFN 3						3	51760	154330	5520 DFN 3	
5520 DFN 4						4	66280	205780	5520 DFN 4	
6308 DFN 3	64.6	8	63	59.73	4.762	3	25510	94090	6308 DFN 3	
6308 DFN 4						4	32570	125000	6308 DFN 4	
6308 DFN 6						6	46160	187490	6308 DFN 6	
6310 DFN 3	65	10	63	57.75	7.144	3	47773	160409	6310 DFN 3	
6310 DFN 4						4	74125	267348	6310 DFN 4	
6310 DFN 6						6	86708	320820	6310 DFN 6	
6312 DFN 3	65	12	63	57.75	7.144	3	55757	178559	6312 DFN 3	
6312 DFN 4						4	69265	230936	6312 DFN 4	
6316 DFN 3						3	51217	177901	6316 DFN 3	
6316 DFN 4	65	16	63	57.75	7.144	4	66138	240166	6316 DFN 4	
6320 DFN 3						3	51188	177596	6320 DFN 3	
6320 DFN 4						4	66101	239755	6320 DFN 4	
7010 DFN 3	72	10	70	64.75	7.144	3	58330	201480	7010 DFN 3	
7010 DFN 4						4	66460	268640	7010 DFN 4	
7010 DFN 6						6	94190	402960	7010 DFN 6	
7012 DFN 3	72	12	70	64.75	7.144	3	58290	201390	7012 DFN 3	
7012 DFN 4						4	74660	268520	7012 DFN 4	
7016 DFN 3						3	58210	201170	7016 DFN 3	
7016 DFN 4	72	16	70	64.75	7.144	4	74550	268330	7016 DFN 4	
7020 DFN 3						3	58100	200890	7020 DFN 3	
7020 DFN 4						4	74410	267860	7020 DFN 4	
8010 DFN 4	82	10	80	74.75	7.144	4	69958	285298	8010 DFN 4	
8010 DFN 5						5	84759	356623	8010 DFN 5	
8010 DFN 6						6	99147	427948	8010 DFN 6	
8012 DFN 3	82	12	80	74.75	7.144	4	69888	285013	8012 DFN 3	
8012 DFN 4						5	84674	356266	8012 DFN 4	
8016 DFN 3						4	69818	284728	8016 DFN 3	
8016 DFN 4	82	16	80	74.75	7.144	5	84590	355910	8016 DFN 4	
8020 DFN 3						3	62774	255999	8020 DFN 3	
8020 DFN4						4	69748	284443	8020 DFN4	
10010 DFN 4	102	10	100	94.75	7.144	4	76588	356718	10010 DFN 4	
10010 DFN 5						5	92791	445898	10010 DFN 5	
10010 DFN 6						6	108543	535077	10010 DFN 6	
10012 DFN 4	102	12	100	94.75	7.144	4	76511	356361	10012 DFN 4	
10012 DFN 5						5	92698	445452	10012 DFN 5	
10016 DFN 4						4	119296	506570	10016 DFN 4	
10016 DFN 5	102.6	16	100	93.00	9.525	5	145136	637170	10016 DFN 5	
10020 DFN 4						4	121537	519420	10020 DFN 4	
10020 DFN 5						5	145136	637170	10020 DFN 5	

NUT DIMENSIONS										Model No.
D	D1	B	S	PCD	L	P	Q	R	Oil Hole	
80	119	18	15	98	136	11.0	17.5	11.0	M8 x 1	5510 DFN3
					158					5510 DFN 4
					200					5510 DFN 6
85	124	18	15	103	160	11.0	17.5	11.0	M8 x 1	5512 DFN 3
					186					5512 DFN 4
					202					5516 DFN 3
85	124	18	15	103	238	11.0	17.5	11.0	M8 x 1	5516 DFN 4
					244					5520 DFN 3
					288					5520 DFN 4
85	124	18	22	103	112	11.0	17.5	11.0	M8 x 1	6308 DFN 3
					130					6308 DFN 4
					162					6308 DFN 6
88	134	20	22	110	138	11.0	17.5	11.0	M8 x 1	6310 DFN 3
					160					6310 DFN 4
					202					6310 DFN 6
93	139	20	22	115	162	11.0	17.5	11.0	M8 x 1	6312 DFN 3
					188					6312 DFN 4
					204					6316 DFN 3
95	141	20	22	117	240	11.0	17.5	11.0	M8 x 1	6316 DFN 4
					246					6320 DFN 3
					290					6320 DFN 4
95	141	20	22	117	138	11.0	17.5	11.0	M8 x 1	7010 DFN 3
					160					7010 DFN 4
					202					7010 DFN 6
100	146	20	22	122	162	14.0	20.0	13.0	M8 x1	7012 DFN 3
					188					7012 DFN 4
					204					7016 DFN 3
100	146	20	22	122	240	14.0	20.0	13.0	M8 x1	7016 DFN 4
					246					7020 DFN 3
					290					7020 DFN 4
105	151	20	22	127	160	14.0	20.0	13.0	M8 x1	8010 DFN 4
					182					8010 DFN 5
					202					8010 DFN 6
110	169	22	22	138	164	14.0	20.0	13.0	M8 x1	8012 DFN 3
					190					8012 DFN 4
					206					8016 DFN 3
115	174	22	22	143	242	14.0	20.0	13.0	M8 x1	8016 DFN 4
					250					8020 DFN 3
					294					8020 DFN4
115	174	24	22	143	160	14.0	20.0	13.0	M8 x1	10010 DFN 4
					182					10010 DFN 5
					202					10010 DFN 6
130	189	24	22	158	214	17.5	26.0	16.5	M8 x1	10012 DFN 4
					240					10012 DFN 5
					246					10016 DFN 4
135	194	26	22	163	278	17.5	26.0	16.5	M8 x1	10016 DFN 5
					296					10020 DFN 4
					338					10020 DFN 5



SFN
Single Flange Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Ca then the value of Stiffness (K) should be calculated using

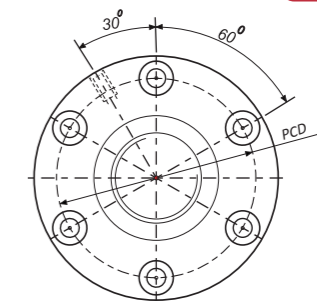
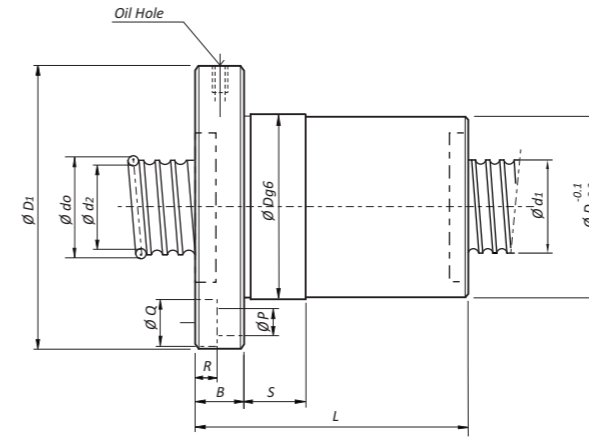
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia dw	No. of Turns i	Basic Load Rating	
							Dynamic-Ca N	Static Coa N/μm
1604 SFN 2	16.66	4	16	14.25	2.381	2	3532	7560
1605 SFN 2	17	5		13.45	3.5	2	6207	11727
2004 SFN 2	20.66	4	20	18.25	2.381	2	4449	10881
2004 SFN 3						3	6306	16322
2005 SFN 2	21	5	20	17.45	3.5	2	7090	14948
2005 SFN 3						3	10048	22423
2504 SFN 2	25.66	4	25	23.25	2.381	2	4959	13858
2504 SFN 3						3	7027	20787
2505 SFN 3	26	5	25	22.45	3.5	3	11839	30460
2505 SFN 4						4	15163	40614
2506 SFN 3	26.3	6	25	22.26	3.969	3	15640	32961
2506 SFN 4						4	20030	28940
2508 SFN 3	26.6	8	25	21.73	4.762	3	13538	32961
2508 SFN 4						4	17338	43948
2510 SFN 2	26.6	10	25	21.73	4.762	2	11850	25545
2805 SFN 3	29	5	28	25.45	3.500	3	13980	36780
2805 SFN 4						4	17830	49050
2806 SFN 3	29.3	6	28	25.26	3.969	3	16820	42490
2806 SFN 4						4	21540	56660
2808 SFN 3	29.6	8	28	24.73	4.762	3	17661	44615
2808 SFN 4						4	22617	59493
2810 SFN 2	29.6	10	28	24.73	4.762	2	11540	23820
3205 SFN 3	33	5	32	29.45	3.500	3	13475	40108
3205 SFN 4						4	17257	53477
3205 SFN 6	33.3	6	32	29.26	3.969	5	26380	82550
3206 SFN 3						3	15945	45366
3206 SFN 4	33.6	8	32	28.73	4.762	4	20420	60486
3206 SFN 6						5	20908	66846
3208 SFN 3	34.1	10	32	27.61	6.350	3	20080	53366
3208 SFN 4						4	25717	71154
3210 SFN 3	34.1	12	32	27.61	6.350	3	25810	57710
3210 SFN 4						4	34477	84224
3212 SFN 2	34.1	12	32	27.61	6.350	2	16890	33120
3212 SFN 3						3	23940	49680
3605 SFN 3	37	5	36	33.45	3.500	3	15400	47180
3605 SFN 4						4	19730	62910
3605 SFN 6	37.3	6	36	33.26	3.969	6	27960	94370
3606 SFN 3						3	18610	54240
3606 SFN 4	37.6	8	36	32.73	4.762	4	23830	72320
3608 SFN 3						3	18930	48280
3608 SFN 4	38.1	10	36	31.61	6.350	4	24320	64610
3610 SFN 3						3	27490	65500
3610 SFN 4	38.1	12	36	31.61	6.350	4	35210	87330
3612 SFN 2						2	18440	39000
3612 SFN 3						3	26140	58500

SFN
Single Flange Nut

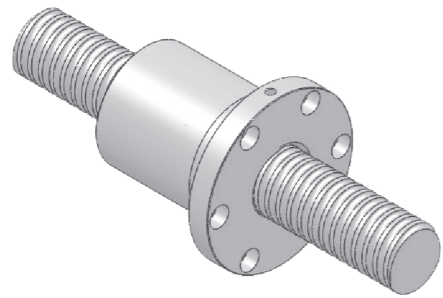


NUT DIMENSIONS

D	D1	B	S	PCD	L	P	Q	R	Oil Hole	Model No.
29	49	10	12	39	34	4.5	7.8	4.5	M6	1604 SFN 2
33	52	10	12	42	38	4.5	7.8	4.5	M6	1605 SFN 2
34	60	12	12	48	36	4.5	9.8	4.5	M6	2004 SFN 2
					41					2004 SFN 3
37	60	12	12	48	40	5.5	9.8	5.5	M6	2005 SFN 2
					47					2005 SFN 3
40	64	12	15	51	36	5.5	9.8	5.5	M6	2504 SFN 2
					41					2504 SFN 3
40	64	12	15	51	47	5.5	9.8	5.5	M6	2505 SFN 3
					53					2505 SFN 4
40	64	12	15	51	52	5.5	9.8	5.5	M6	2506 SFN 3
					59					2506 SFN 4
40	64	12	15	51	64	5.5	9.8	9.8	M6	2508 SFN 3
					73					2508 SFN 4
40	64	12	15	51	60	5.5	9.8	9.8	M6	2510 SFN 2
					47					6.6
43	71	12	15	57	53	6.6	11.0	6.5	M6	
					52					6.6
43	71	12	15	57	59	6.6	11.0	6.5	M6	
					64					6.6
45	71	12	15	57	73	6.6	11.0	6.5	M6	
					60					6.6
50	76	12	15	62	47	6.6	11.0	6.5	M6	
					53					6.6
50	76	12	15	62	66	6.6	11.0	6.5	M6	
					52					6.6
50	76	12	15	62	59	6.6	11.0	6.5	M6	
					72					6.6
54	80	12	15	66	62	6.6	11.0	6.5	M6	
					73					6.6
57	83	12	15	69	74	6.6	11.0	6.5	M6	
					85					6.6
57	83	12	15	69	67	6.6	11.0	6.5	M6	
					83					6.6
54	80	12	15	66	47	6.6	11.0	6.5	M6	
					53					6.6
54	80	12	15	69	63	6.6	11.0	6.5	M6	
					52					6.6
54	80	12	15	69	59	6.6	11.0	6.5	M6	
					64					6.6
57	83	12	15	69	73	6.6	11.0	6.5	M6	
					73					6.6
60	86	12	15	72	85	6.6	11.0	6.5	M6	
					67					6.6
66	92	12	15	78	83	6.6	11.0	6.5	M6	



SFN
Single Flange Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

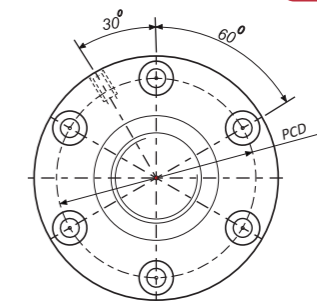
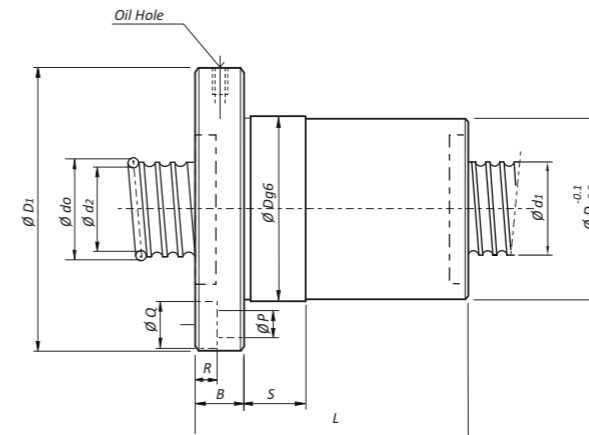
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia dw	No. of Turns i	Basic Load Rating			
							Dynamic-Ca N	Static Coa N/μm		
3616 SFN 2	38.1	16	38	31.61	6.350	2	19210	41620		
4005 SFN 3	41	5	40	37.45	3.500	3	15508	52947		
4005 SFN 4						4	19265	68478		
4005 SFN 6						6	27303	102717		
4006 SFN 3	41.3	6		37.26	3.969	3	17787	57771		
4006 SFN 4						4	22779	77029		
4008 SFN 3	41.6	8		36.73	4.762	3	22585	68257		
4008 SFN 4			4			28925	91010			
4010 SFN 3	42.1	10	35.61	6.350	3	31514	86959			
4010 SFN 4					4	40392	112467			
4012 SFN 3	42.1	12			3	31525	3	31525	84245	
4012 SFN 4							4	40374	112326	
4016 SFN 2	42.1	16			2	19750	2	19750	44750	
4016 SFN 3							3	27990	67120	
4505 SFN 3	46	5	45	42.45	3.500	3	16860	59050		
4505 SFN 4						4	20360	68880		
4505 SFN 6						6	24670	86100		
4506 SFN 4	46.3	6		42.26	3.969	4	20360	67910		
4506 SFN 6						6	36960	135810		
4508 SFN 3	46.6	8		41.73	4.763	3	21570	63620		
4508 SFN 4			4			27500	84550			
4510 SFN 3	47.1	10	45	40.61	6.350	3	31160	84850		
4510 SFN 4						4	39910	113140		
4512 SFN 3						47.1	12	3	30870	3
4512 SFN 4	4	39530								107380
4516 SFN 2	47.1	16				2	21710	2	21710	53550
4516 SFN 3								3	30760	80330
4520 SFN 2	47.1	20	2	21620	2	21620	53380			
4520 SFN 3					3	30640	80070			
5005 SFN 3	51	5	50	47.45	3.500	3	19880	74305		
5005 SFN 4						4	25461	99074		
5005 SFN 6						6	30377	131600		
5006 SFN 4	51.3	6		47.26	3.969	4	26734	104028		
5006 SFN 6						6	36084	148611		
5008 SFN 3	51.6	8		46.73	3.969	3	25586	89090		
5008 SFN 4			4			32769	118786			
5010 SFN 3	52	10	45.51	7.144	3	41426	120226			
5010 SFN 4					4	53053	160301			
5010 SFN 6					6	75189	240452			
5012 SFN 3	52	12			3	47208	3	47208	131838	
5012 SFN 4							4	60458	175782	
5016 SFN 3	52	16			3	41385	3	41385	119877	
5016 SFN 4			4	53002			159837			
5020 SFN 3	52	20	3	45686	3	45686	137188			
5020 SFN 4					4	59138	185868			
5508 SFN 3	56.6	8	55	51.73	4.762	3	23930	81090		
5508 SFN 4						4	30700	108100		

SFN
Single Flange Nut

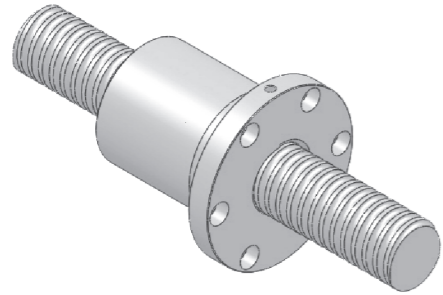


NUT DIMENSIONS

D	D1	B	S	PCD	L	P	Q	R	Oil Hole	Model No.
57	83	12	15	69	47	6.6	11.0	6.5	M6	4005 SFN 3
					53					4005 SFN 4
					66					4005 SFN 6
60	91	12	15	75	59	9.0	14.5	8.5	M6	4006 SFN 3
					72					4006 SFN 4
					66					4008 SFN 3
62	93	16	15	77	77	9.0	14.5	8.5	M6	4008 SFN 4
					78					4010 SFN 3
					89					4010 SFN 4
70	101	16	15	85	85	9.0	14.5	8.5	M6	4012 SFN 3
					101					4012 SFN 4
					89					4016 SFN 2
70	101	18	15	85	110	9.0	14.5	8.5	M6	4016 SFN 3
					47					4505 SFN 3
					53					4505 SFN 4
62	88	12	15	74	63	9.0	14.5	8.5	M6	4505 SFN 6
					59					4506 SFN 4
					72					4506 SFN 6
65	98	16	15	80	68	9.0	14.5	8.5	M6	4508 SFN 3
					77					4508 SFN 4
					77					4510 SFN 3
70	101	16	15	85	89	9.0	14.5	5.8	M6	4510 SFN 4
					87					4512 SFN 3
					101					4512 SFN 4
72	103	18	15	87	89	9.0	14.5	5.8	M6	4516 SFN 2
					110					4516 SFN 3
					102					4520 SFN 2
72	103	18	15	87	129	9.0	14.5	5.8	M6	4520 SFN 3
					119					4525 SFN2
					51					5005 SFN 3
67	100	16	15	82	57	9.0	14.5	5.8	M6	5005 SFN 4
					70					5005 SFN 6
					63					5006 SFN 4
70	101	16	15	85	76	9.0	14.5	5.8	M6	5006 SFN 6
					66					5008 SFN 3
					77					5008 SFN 4
72	103	16	15	87	80	9.0	14.5	5.8	M6	5010 SFN 3
					91					5010 SFN 4
					114					5010 SFN 6
80	119	18	15	98	87	11.0	17.5	11.0	M8 x 1	5012 SFN 3
					103					5012 SFN 4
					110					5016 SFN 3
80	119	18	15	98	129	11.0	17.5	11.0	M8 x 1	5016 SFN 4
					129					5020 SFN 3
					152					5020 SFN 4
80	119	18	15	98	68	11.0	17.5	11.0	M8 x 1	5508 SFN 3
					77					5508 SFN 4



SFN
Single Flange Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80 % of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Ca then the value of Stiffness (K) should be calculated using

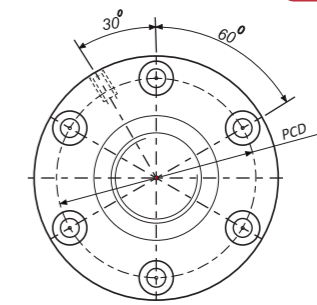
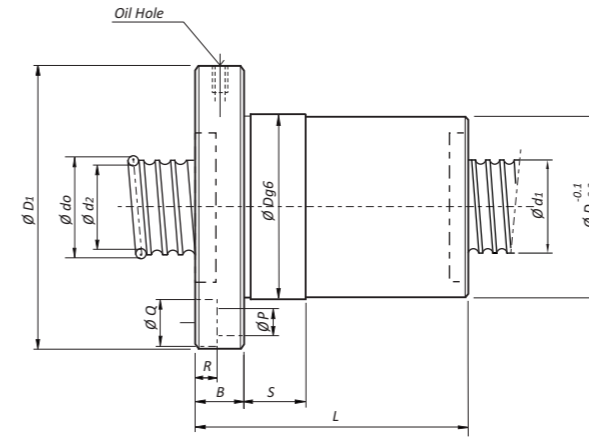
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia dw	No. of Turns i	Basic Load Rating	
							Dynamic-Ca N	Static Coa N/μm
5510 SFN 3	57	10	55	49.75	7.144	3	51920	154530
5510 SFN 4						4	66680	206740
5510 SFN 6						6	94510	310100
5512 SFN 3	57	12	55	49.75	7.144	3	52020	154950
5512 SFN 4						4	66630	206590
5516 SFN 3						3	51910	154680
5516 SFN 4	57	16	55	49.75	7.144	4	66470	206240
5520 SFN 3						3	51760	154330
5520 SFN 4						4	66280	205780
6308 SFN 3	64.6	8	63	59.73	4.762	3	25510	94090
6308 SFN 4						4	32570	125000
6308 SFN 6						6	46160	187490
6310 SFN 3	65	10	63	57.75	7.144	3	47773	160409
6310 SFN 4						4	74125	267348
6310 SFN 6						6	86708	320820
6312 SFN 3	65	12	63	57.75	7.144	3	55757	178559
6312 SFN 4						4	69265	230936
6316 SFN 3						3	51217	177901
6316 SFN 4	65	16	63	57.75	7.144	4	66138	240166
6320 SFN 3						3	51188	177596
6320 SFN 4						4	66101	239755
7010 SFN 3	72	10	70	64.75	7.144	3	58330	201480
7010 SFN 4						4	66460	268640
7010 SFN 6						6	94190	402960
7012 SFN 3	72	12	70	64.75	7.144	3	58290	201390
7012 SFN 4						4	74660	268520
7016 SFN 3						3	58210	201170
7016 SFZ 4	72	16	70	64.75	7.144	4	74550	268330
7020 SFN 3						3	58100	200890
7020 SFN 4						4	74410	267860
8010 SFN 4	82	10	80	74.75	7.144	4	69958	285298
8010 SFN 5						5	84759	356623
8010 SFN 6						6	99147	427948
8012 SFN 4	82	12	80	74.75	7.144	4	69888	285013
8012 SFN 5						5	84674	356266
8016 SFN 3						4	69818	284728
8016 SFN 4	82	16	80	74.75	7.144	5	84590	355910
8020 SFN 3						3	62774	255999
8020 SFN 4						4	69748	284443
10010 SFN 4	102	10	100	94.75	7.144	4	76588	356718
10010 SFN 5						5	92791	445898
10010 SFN 6						6	108543	535077
10012 SFN 4	102	12	100	94.75	7.144	4	76511	356361
10012 SFN 5						5	92698	445452
10016 SFN 4						4	119296	506570
10016 SFN 5	102.6	16	100	93.00	9.525	5	145136	637170
10020 SFN 4						4	121537	519420
10020 SFN 5						5	145136	637170

SFN
Single Flange Nut

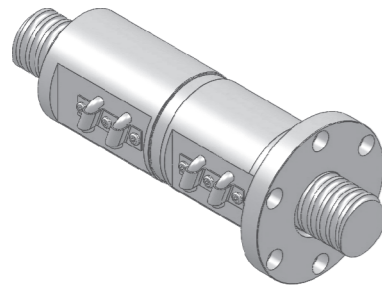


NUT DIMENSIONS

D	D1	B	S	PCD	L	P	Q	R	Oil Hole	Model No.
80	119	16	15	98	77	11.0	17.5	11.0	M8 x 1	5510 SFN3
					89					5510 SFN 4
					111					5510 SFN 6
85	124	16	15	103	87	11.0	17.5	11.0	M8 x 1	5512 SFN 3
					101					5512 SFN 4
85	124	18	15	103	110	11.0	17.5	11.0	M8 x 1	5516 SFN 3
					129					5516 SFN 4
85	124	18	15	103	129	11.0	17.5	11.0	M8 x 1	5520 SFN 3
					152					5520 SFN 4
85	124	18	22	103	68	11.0	17.5	11.0	M8 x 1	6308 SFN 3
					79					6308 SFN 4
					91					6308 SFN 6
88	134	20	22	110	82	11.0	17.5	11.0	M8 x 1	6310 SFN 3
					93					6310 SFN 4
					116					6310 SFN 6
93	139	20	22	115	89	11.0	17.5	11.0	M8 x 1	6312 SFN 3
					105					6312 SFN 4
95	141	20	22	117	112	11.0	17.5	11.0	M8 x 1	6316 SFN 3
					131					6316 SFN 4
95	141	20	22	117	131	11.0	17.5	11.0	M8 x 1	6320 SFN 3
					154					6320 SFN 4
95	141	20	22	117	81	11.0	17.5	11.0	M8 x 1	7010 SFN 3
					93					7010 SFN 4
					115					7010 SFN 6
100	146	20	22	122	91	14.0	20.0	13.0	M8 x1	7012 SFN 3
					105					7012 SFN 4
100	146	20	22	122	112	14.0	20.0	13.0	M8 x1	7016 SFN 3
					131					7016 SFZ 4
100	146	20	22	122	131	14.0	20.0	13.0	M8 x1	7020 SFN 3
					154					7020 SFN 4
105	151	20	22	127	80	14.0	20.0	13.0	M8 x1	8010 SFN 4
					93					8010 SFN 5
					117					8010 SFN 6
110	169	22	22	138	91	14.0	20.0	13.0	M8 x1	8012 SFN 3
					107					8012 SFN 4
115	174	22	22	143	114	14.0	20.0	13.0	M8 x1	8016 SFN 3
					133					8016 SFN 4
115	174	24	22	143	135	14.0	20.0	13.0	M8 x1	8020 SFN 3
					158					8020 SFN 4
130	189	24	22	158	85	17.5	26.0	16.5	M8 x1	10010 SFN 4
					97					10010 SFN 5
					119					10010 SFN 6
130	189	24	22	158	95	17.5	26.0	16.5	M8 x1	10012 SFN5
					109					10012 SFN 5
135	194	26	22	163	118	17.5	26.0	16.5	M8 x1	10016 SFN 4
					137					10016 SFN 5
135	164	26	22	163	137	17.5	26.0	16.5	M8 x1	10020 SFN 4
					160					10020 SFN 5



DFNE
Double Flange Nut -External



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10^6 revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating C_o .
The value is exclusive with rigidity of nut mounting. Normally, 80 % of the value is considered as Factor of Safety.
If the Axial Load (F_a) differs from the $0.3 C_o$ then the value of Stiffness (K) should be calculated using

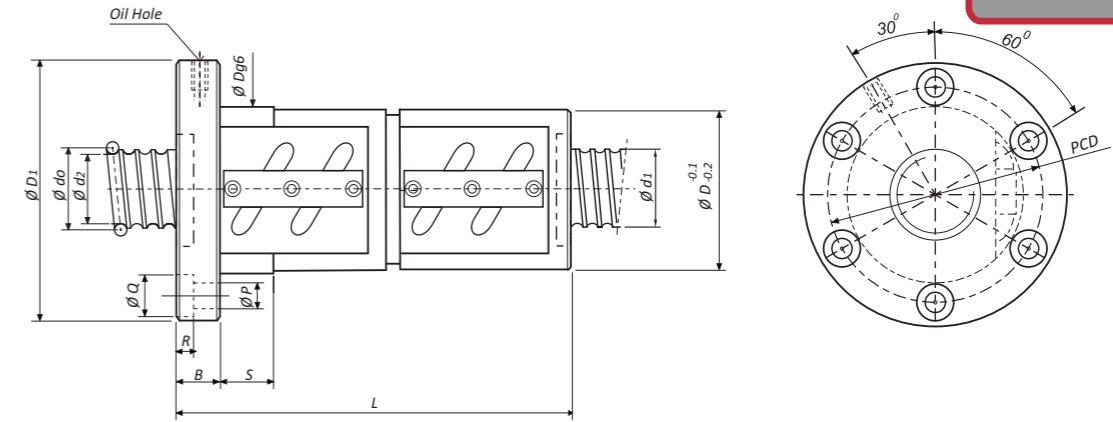
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia d_o	Lead Ph	Screw O.D d_1	Root Dia d_2	Ball Dia D_w	No. of Circuits i	Basic Load Rating	
							Dynamic- C_o N	Static C_o $N/\mu m$
1605 DFNE	17	5	16	13.454	3.5	2.5X1	6207	11727
2005 DFNE	21	5	20	17.454		2.5X2	7090	14948
2505 DFNE	26	5	25	22.454	3.5	2.5X2	11839	30460
2510 DFNE	26.6	10		21.73	4.762	2.5X1	11850	25545
2806 DFNE	29.3	6	28	25.26	3.969	2.5X2	16820	42490
3205 DFNE	33	5	32	29.45	3.500	2.5X2	13475	40108
3206 DFNE	33.3	6		29.26	3.969	2.5X2	15945	45366
3210 DFNE	34.1	10		27.61	6.350	2.5X2	25810	57710
3610 DFNE	38.1	10	36	31.61	6.350	2.5X2	35210	87330
4010 DFNE	42.1	10	40	35.61	6.350	2.5X2	31514	86959
4012 DFNE	42.1	10				2.5X2	40374	112326
5010 DFNE	52	10	50	45.51	7.144	2.5X2	41426	120226
5012 DFNE	52	12				2.5X2	47208	131838

DFNE
Double Flange Nut -External

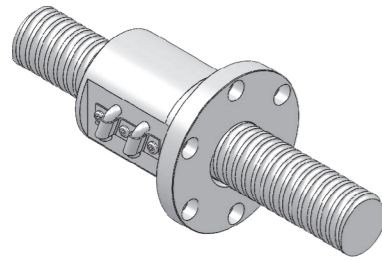


NUT DIMENSIONS

NUT DIMENSIONS										Model No.
D	D1	B	S	PCD	L	P	Q	R	Oil Hole	
40	60	10	12	50	76	4.5	7.8	4.5	M6	1605 DFNE
42	65	12	12	48	106	5.5	9.8	5.5	M6	2005 DFNE
50	73	12	15	61	106	5.5	9.8	5.5	M6	2505 DFNE
58	85	12	15	71	106	6.6	11.0	6.5	M6	2510 DFNE
55	85	12	15	69	122	6.6	11.0	6.5	M6	2806 DFNE
58	85	12	15	71	106	6.6	11.0	6.5	M6	3205 DFNE
62	89	12	15	75	123	6.6	11.0	6.5	M6	3206 DFNE
74	108	12	15	90	190	6.6	11.0	6.5	M6	3210 DFNE
75	120	18	15	98	193	9.0	14.5	9.0	M6	3610 DFNE
82	124	18	15	102	193	11.0	17.5	11.0	M6	4010 DFNE
84	126	18	15	104	227	11.0	17.5	11.0	M6	4012 DFNE
93	135	18	15	113	193	11.0	17.5	11.0	M8x1	5010 DFNE
100	146	20	15	122	231	14.0	20.0	13.0	M8x1	5012 DFNE



SFNE
Single Flange Nut -External



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10^6 revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating C_o .
The value is exclusive with rigidity of nut mounting. Normally, 80 % of the value is considered as Factor of Safety.
If the Axial Load (F_a) differs from the $0.3 C_o$ then the value of Stiffness (K) should be calculated using

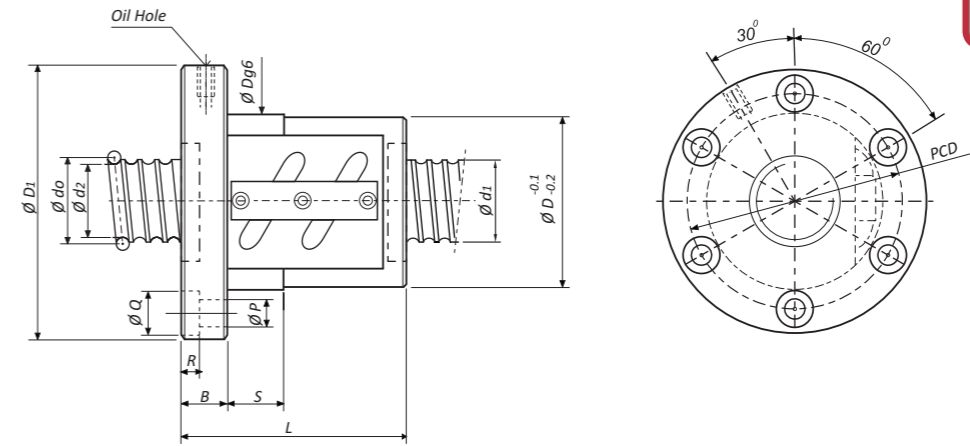
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia d_o	Lead Ph	Screw O.D d_1	Root Dia d_2	Ball Dia D_w	No. of Circuit i	Basic Load Rating	
							Dynamic- C_o N	Static C_o $N/\mu m$
1605 SFNE	17	5	16	13.454	3.5	2.5X1	6207	11727
2005 SFNE	21	5	20	17.454	3.5	2.5X1	7090	14948
2505 SFNE	26	5	25	22.454	3.5	2.5X1	11839	30460
2510 SFNE	26.6	10		21.73	4.762	2.5X1	11850	25545
2806 SFNE	29.3	6	28	25.26	3.969	2.5X1	16820	42490
3205 SFNE	33	5	32	29.45	3.500	2.5X1	13475	40108
3206 SFNE	33.3	6		29.26	3.969	2.5X1	15945	45366
3210 SFNE	34.1	10		27.61	6.350	2.5X1	25810	57710
3610 SFNE	38.1	10	36	31.61	6.350	2.5X1	35210	87330
4010 SFNE	42.1	10	40	35.61	6.350	2.5X1	31514	86959
4012 SFNE	42.1	10				2.5X1	40374	112326
5010 SFNE	52	10	50	45.51	7.144	2.5X1	41426	120226
5012 SFNE	52	12				2.5x1	47208	131838

SFNE
Single Flange Nut -External

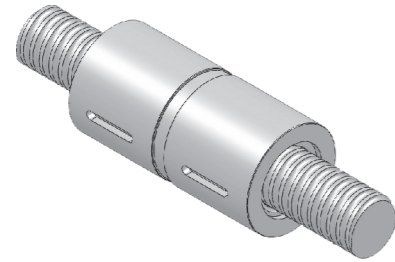


NUT DIMENSIONS

D	D_1	B	S	PCD	L	P	Q	R	Oil Hole	Model No.
40	60	10	12	50	56	4.5	7.8	4.5	M6	1605 SFNE
44	67	10	12	48	56	5.5	9.8	5.5	M6	2005 SFNE
50	73	12	15	61	58	5.5	9.8	5.5	M6	2505 SFNE
58	85	12	15	71	100	6.6	11.0	6.5	M6	2510 SFNE
55	85	12	15	69	68	6.6	11.0	6.5	M6	2806 SFNE
58	85	12	15	71	76	6.6	11.0	6.5	M6	3205 SFNE
62	89	12	15	75	75	6.6	11.0	6.5	M6	3206 SFNE
74	108	12	15	90	130	6.6	11.0	6.5	M6	3210 SFNE
75	120	18	15	98	111	9.0	14.5	9.0	M6	3610 SFNE
82	124	18	15	102	103	11.0	17.5	11.0	M6	4010 SFNE
84	126	18	15	104	119	11.0	17.5	11.0	M6	4012 SFNE
93	135	18	15	113	103	11.0	17.5	11.0	M8X1	5010 SFNE
100	146	20	15	122	157	14.0	20.0	13.0	M8X1	5012 SFNE



DPN
Double Plain Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

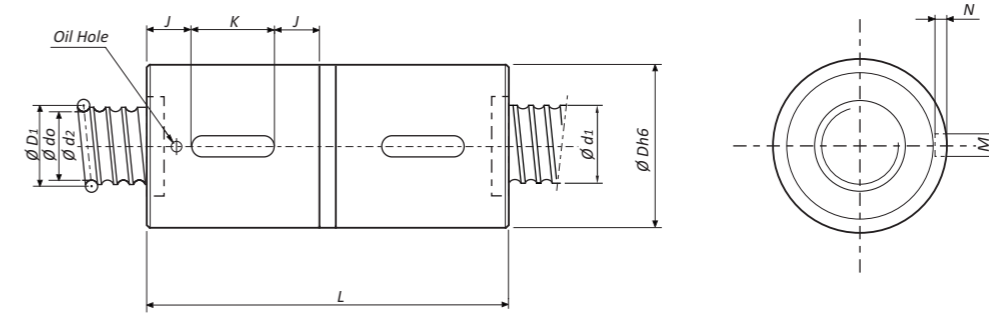
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No. of Turn i	Basic Load Rating	
							Dynamic Co N	Static Coa N/μm
							2005 DPN 2	21
2005 DPN 3	3	10048	22423					
2505 DPN 3	26	5	25	22.45	3.5	3	11839	30460
2505 DPN 4						4	15163	40614
2510 DPN 2	26.6	10		21.73	4.762	2	11850	25545
3205 DPN 3	33	5	32	29.45	3.500	3	13475	40108
3205 DPN 4						4	17257	53477
3205 DPN 5						5	26380	82550
3210 DPN 3	34.1	10		27.61	6.350	3	25810	57710
4005 DPN 3						4	34477	84224
4005 DPN 4	41	5	40	37.45	3.500	3	15508	52947
4010 DPN 3						4	19265	68478
4010 DPN 4						6	27303	102717
5005 DPN 3	42.1	10		35.61	6.350	3	31514	86959
5005 DPN 4						4	40392	112467
5005 DPN 6	51	5	50	47.45	3.500	3	19880	74305
5010 DPN 3						4	25461	99074
5010 DPN 4						6	30377	131600
5010 DPN 6	52	10		45.51	7.144	3	41426	120226
6310 DPN 3						4	53053	160301
6310 DPN 4						6	75189	240452
6310 DPN 6	65	10	63	57.75	7.144	3	47773	160409
6310 DPN 4						4	74125	267348
6310 DPN 6						6	86708	320820

DPN
Double Plain Nut

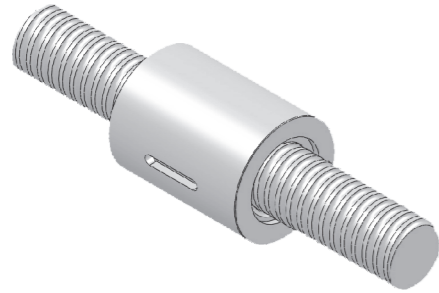


NUT DIMENSIONS

D	D1	B	PCD	L	S	T	M	Oil Hole	Model No.
37	60	12	48	32	5.5	9.8	5.5	3	2005 DPN 2
				37					2005 DPN 3
40	64	12	51	37	5.5	9.8	5.5	3	2505 DPN 3
				43					2505 DPN 4
40	64	12	51	58	5.5	9.8	9.8	3	2510 DPN 2
50	76	12	62	37	6.6	11.0	6.5	3	3205 DPN 3
				43					3205 DPN 4
50	76	12	62	48	6.6	11.0	6.5	3	3205 DPN 5
57	83	12	69	70	6.6	11.0	6.5	4	3210 DPN 3
57	83	12	69	60	6.6	11.0	6.5	4	4005 DPN 3
				72					4005 DPN 4
65	98	16	80	70	9.0	14.5	8.5	4	4010 DPN 3
				81					4010 DPN 4
67	100	16	82	37	9.0	14.5	5.8	4	5005 DPN 3
				43					5005 DPN 4
				53					5005 DPN 6
75	114	18	93	70	9.0	14.5	5.8	4	5010 DPN 3
				81					5010 DPN 4
				102					5010 DPN 6
88	134	20	110	70	11.0	17.5	11.0	4	6310 DPN 3
				81					6310 DPN 4
				102					6310 DPN 6



SPN
Single Plain Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80 % of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

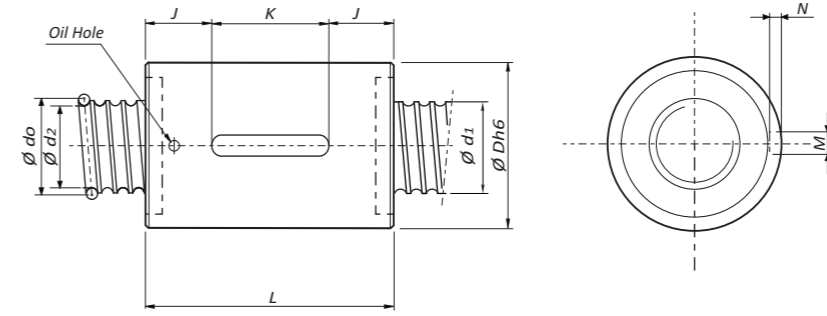
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No.of Turns i	Basic Load Rating	
							Dynamic Co N	Static Coa N/μm
1604 SPN 2	16.66	4	16	14.248	2.381	2	3532	7560
1605 SPN 2	17	5		13.454	3.5	2	6207	11727
2004 SPN 2	20.66	4	20	18.248	2.381	2	4449	10881
2004 SPN 3						3	6306	16322
2005 SPN 2	21	5	20	17.454	3.5	2	7090	14948
2005 SPN 3						3	10048	22423
2504 SPN 2	25.66	4	25	23.248	2.381	2	4959	13858
2504 SPN 3						3	7027	20787
2505 SPN 3	26	5	25	22.454	3.5	3	11839	30460
2505 SPN 4						4	15163	40614
2506 SPN 3	26.3	6	25	22.263	3.969	3	15640	32961
2506 SPN 4						4	20030	28940
2508 SPN 3	26.6	8	25	21.73	4.762	3	13538	32961
2508 SPN 4						4	17338	43948
2510 SPN 2	26.6	10	25	21.73	4.762	2	11850	25545
2805 SPN 3	29	5	28	25.45	3.500	3	13980	36780
2805 SPN 4						4	17830	49050
2806 SPN 3	29.3	6	28	25.26	3.969	3	16820	42490
2806 SPN 4						4	21540	56660
2808 SPN 3	29.6	8	28	24.73	4.762	3	17661	44615
2808 SPN 4						4	22617	59493
2810 SPN 2	29.6	10	28	24.73	4.762	2	11540	23820
3205 SPN 3	33	5	32	29.45	3.500	3	13475	40108
3205 SPN 4						4	17257	53477
3205 SPN 6	33.3	6	32	29.26	3.969	5	26380	82550
3206 SPN 3						3	15945	45366
3206 SPN 4	33.6	8	32	28.73	4.762	4	20420	60486
3206 SPN 6						5	20908	66846
3208 SPN 3	34.1	10	32	27.61	6.350	3	20080	53366
3208 SPN 4						4	25717	71154
3210 SPN 3	34.1	12	32	27.61	6.350	3	25810	57710
3210 SPN 4						4	34477	84224
3212 SPN 2	34.1	12	32	27.61	6.350	2	16890	33120
3212 SPN 3						3	23940	49680
3605 SPN 3	37	5	36	#REF!	3.500	3	15400	47180
3605 SPN 4						4	19730	62910
3605 SPN 6	37.3	6	36	#REF!	3.969	6	27960	94370
3606 SPN 3						3	18610	54240
3606 SPN 4	37.6	8	36	32.73	4.762	4	23830	72320
3608 SPN 3						3	18930	48280
3608 SPN 4	38.1	10	36	31.61	6.350	4	24320	64610
3610 SPN 3						3	27490	65500
3610 SPN 4	38.1	12	36	31.61	6.350	4	35210	87330
3612 SPN 2						2	18440	39000
3612 SPN 3	38.1	16	36	31.61	6.350	3	26140	58500
3616 SPN 2						2	19210	41620

SPN
Single Plain Nut

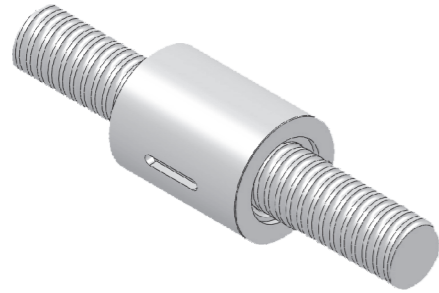


NUT DIMENSIONS

D	B	PCD	L	K	M	N	Oil Hole	Model No.
29	10	39	26	16	5	2.5	4	1604 SPN 2
33	10	42	32	16	5	2.5	4	1605 SPN 2
34	12	48	26	16	5	2.5	4	2004 SPN 2
			31					2004 SPN 3
37	12	48	32	20	5	2.5	4	2005 SPN 2
			37					2005 SPN 3
40	12	51	26	16	5	2.5	4	2504 SPN 2
			31					2504 SPN 3
40	12	51	37	20	6	3.5	4	2505 SPN 3
			43					2505 SPN 4
40	12	51	44	20	6	3.5	4	2506 SPN 3
			51					2506 SPN 4
40	12	51	57	25	6	3.5	4	2508 SPN 3
			66					2508 SPN 4
40	12	51	58	25	6	3.5	4	2510 SPN 2
43	12	57	37	20	6	3.5	4	2805 SPN 3
			43					2805 SPN 4
43	12	57	44	20	6	3.5	4	2806 SPN 3
			51					2806 SPN 4
45	12	57	57	25	6	3.5	4	2808 SPN 3
			66					2808 SPN 4
45	12	57	58	25	6	3.5	4	2810 SPN 2
			37					3205 SPN 3
50	12	62	43	20	6	3.5	4	3205 SPN 4
			48					3205 SPN 5
50	12	62	44	20	6	3.5	4	3206 SPN 3
			51					3206 SPN 4
50	12	62	57	20	6	3.5	4	3206 SPN 5
			57					3208 SPN 3
54	12	66	57	25	6	3.5	4	3208 SPN 3
			66					3208 SPN 4
57	12	69	70	25	6	3.5	4	3210 SPN 3
			81					3210 SPN 4
57	12	69	83	32	6	3.5	4	3212 SPN 2
			96					3212 SPN 3
54	12	66	37	20	8	4.0	4	3605 SPN 3
			43					3605 SPN 4
54	12	69	53	20	8	4.0	4	3605 SPN 6
			44					3606 SPN 3
57	12	69	51	25	8	4.0	4	3606 SPN 4
			57					3608 SPN 3
60	12	72	57	32	8	4.0	4	3608 SPN 4
			66					3610 SPN 3
66	12	78	70	32	8	4.0	4	3610 SPN 4
			81					3612 SPN 2
66	12	78	69	32	8	4.0	4	3612 SPN 3
			83					3616 SPN 2



SPN
Single Plain Nut



WIPER
Nut Dimensions specified is with wiper.

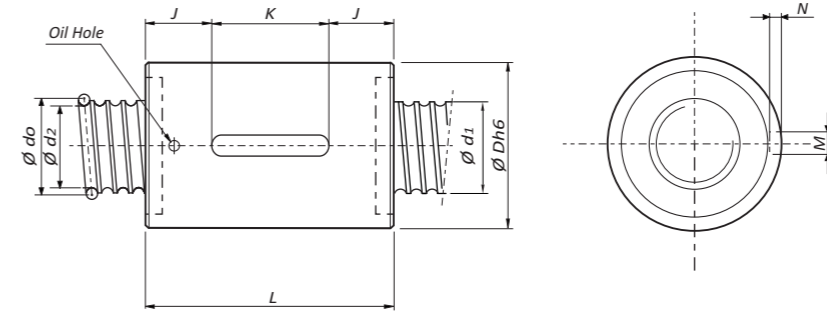
LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80 % of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

SPN
Single Plain Nut

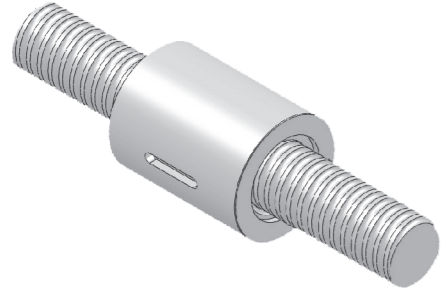


Model No.	BASIC SPECIFICATIONS							Basic Load Rating		Model No.		
	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No. of Turns i	Dynamic Co N	Static Coa N/µm				
4005 SPN 3	41	5	40	37.45	3.500	3	15508	52947	4005 SPN 3			
4005 SPN 4						4	19265	68478		4005 SPN 4		
4005 SPN 6						6	27303	102717			4005 SPN 6	
4006 SPN 3	41.3	6		37.26	3.969	3	17787	57771	4006 SPN 3			
4006 SPN 4						4	22779	77029		4006 SPN 4		
4008 SPN 3	41.6	8		36.73	4.762	3	22585	68257	4008 SPN 3			
4008 SPN 4						4	28925	91010		4008 SPN 4		
4010 SPN 3	42.1	10		35.61	6.350	3	31514	86959	4010 SPN 3			
4010 SPN 4						4	40392	112467		4010 SPN 4		
4012 SPN 3	42.1	12				3	31525	84245	4012 SPN 3			
4012 SPN 4						4	40374	112326		4012 SPN 4		
4016 SPN 2	42.1	16				2	19750	44750	4016 SPN 2			
4016 SPN 3			3			27990	67120	4016 SPN 3				
4505 SPN 3	46	5	45			42.45	3.500		3	16860	59050	4505 SPN 3
4505 SPN 4								4	20360	68880	4505 SPN 4	
4505 SPN 6								6	24670	86100		
4506 SPN 4	46.3	6				42.26	3.969	4	20360	67910		4506 SPN 4
4506 SPN 6								6	36960	135810	4506 SPN 6	
4508 SPN 3	46.6	8				41.73	4.763	3	21570	63620		4508 SPN 3
4508 SPN 4				4	27500			84550	4508 SPN 4			
4510 SPN 3	47.1	10		40.61	6.350	3	31160	84850		4510 SPN 3		
4510 SPN 4						4	39910	113140	4510 SPN 4			
4512 SPN 3	47.1	12				3	30870	80530		4512 SPN 3		
4512 SPN 4						4	39530	107380	4512 SPN 4			
4516 SPN 2	47.1	16				2	21710	53550		4516 SPN 2		
4516 SPN 3			3			30760	80330	4516 SPN 3				
4520 SPN 2	47.1	20	2			21620	53380		4520 SPN 2			
4520 SPN 3			3			30640	80070	4520 SPN 3				
5005 SPN 3	51	5	50			47.45	3.500		3	19880	74305	5005 SPN 3
5005 SPN 4								4	25461	99074	5005 SPN 4	
5005 SPN 6								6	30377	131600		
5006 SPN 4	51.3	6				47.26	3.969	4	26734	104028		5006 SPN 4
5006 SPN 6				6	36084			148611	5006 SPN 6			
5008 SPN 3	51.6	8		46.73	3.969	3	25586	89090		5008 SPN 3		
5008 SPN 4						4	32769	118786	5008 SPN 4			

NUT DIMENSIONS								Model No.
D	B	PCD	L	K	M	N	Oil Hole	
57	12	69	37	20	8	4.0	4	4005 SPN 3
			43					4005 SPN 4
			53					4005 SPN 6
60	12	75	44	20	8	4.0	4	4006 SPN 3
			51					4006 SPN 4
62	16	77	57	32	8	4.0	4	4008 SPN 3
			66					4008 SPN 4
65	16	80	70	32	8	4.0	4	4010 SPN 3
			81					4010 SPN 4
70	16	85	83	32	8	4.0	4	4012 SPN 3
			96					4012 SPN 4
70	18	85	89	40	8	4.0	4	4016 SPN 2
			110					4016 SPN 3
62	12	74	37	20	8	4.0	4	4505 SPN 3
			43					4505 SPN 4
			53					4505 SPN 6
62	12	74	44	20	8	4.0	4	4506 SPN 4
			51					4506 SPN 6
65	16	80	57	32	8	4.0	4	4508 SPN 3
			66					4508 SPN 4
70	16	85	70	32	8	4.0	4	4510 SPN 3
			81					4510 SPN 4
70	16	85	83	32	8	4.0	4	4512 SPN 3
			96					4512 SPN 4
72	18	87	89	40	8	4.0	4	4516 SPN 2
			110					4516 SPN 3
72	18	87	102	40	8	4.0	4	4520 SPN 2
			129					4520 SPN 3
72	18	87	119	40	8	4.0	4	4525 SPN2
67	16	82	37	20	8	4.0	4	5005 SPN 3
			43					5005 SPN 4
			53					5005 SPN 6
70	16	85	44	20	8	4.0	4	5006 SPN 4
			63					5006 SPN 6
72	16	87	57	32	8	4.0	4	5008 SPN 3
			66					5008 SPN 4



SPN
Single Plain Nut



WIPER
Nut Dimensions specified is with wiper.

LOAD RATING
The value of Basic load rating is specified considering life expectancy of 10⁶ revolutions.

STIFFNESS
The theoretical value obtained from elastic deformation along contact area at the application of an axial load which is 30% of the basic Dynamic load rating Co.
The value is exclusive with rigidity of nut mounting. Normally, 80% of the value is considered as Factor of Safety.
If the Axial Load (Fa) differs from the 0.3 Co then the value of Stiffness (K) should be calculated using

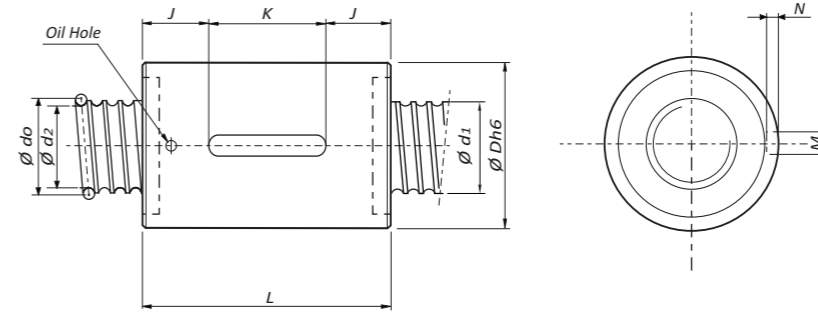
$$K_n = K \left[\frac{F_a}{0.3 C_o} \right]^{1/3}$$

where K = Stiffness value as indicated.

BASIC SPECIFICATIONS

Model No.	Nominal Dia do	Lead Ph	Screw O.D d1	Root Dia d2	Ball Dia Dw	No. of Turns i	Basic Load Rating							
							Dynamic Co N	Static Coa N/µm						
5010 SPN 3	52	10	50	45.51	7.144	3	41426	120226						
5010 SPN 4						4	53053	160301						
5010 SPN 6						6	75189	240452						
5012 SPN 3		12				3	47208	131838						
5012 SPN 4						4	60458	175782						
5016 SPN 3						16	3	41385	119877					
5016 SPN 4	4	53002	159837											
5020 SPN 3	20	3	45686	137188										
5020 SPN 4		4	59138	185868										
5508 SPN 3		56.6	8	55	51.73	4.762	3	23930	81090					
5508 SPN 4	4						30700	108100						
5510 SPN 3	10						3	51920	154530					
5510 SPN 4			4				66680	206740						
5510 SPN 6			6				94510	310100						
5512 SPN 3	12		12				55	49.75	7.144	3	52020	154950		
5512 SPN 4		4		66630	206590									
5516 SPN 3		16		3	51910	154680								
5516 SPN 4	4		66470	206240										
5520 SPN 3	20		3	51760	154330									
5520 SPN 4		4	66280	205780										
6308 SPN 3		64.6	8	63	59.73	4.762	3	25510	94090					
6308 SPN 4	4						32570	125000						
6308 SPN 6	6						46160	187490						
6310 SPN 3	10		10				57.75	7.144	3	47773	160409			
6310 SPN 4									4	74125	267348			
6310 SPN 6									6	86708	320820			
6312 SPN 3	12	12	57.75	7.144	3	55757			178559					
6312 SPN 4					4	69265			230936					
6316 SPN 3					16	16			57.75	7.144	3	51217	177901	
6316 SPN 4	4	66138					240166							
6320 SPN 3	20	20					57.75	7.144			3	51188	177596	
6320 SPN 4					4	66101					239755			
7010 SPN 3			72	10	70	64.75					7.144	3	58330	201480
7010 SPN 4	4	66460										268640		
7010 SPN 6	6	94190							402960					
7012 SPN 3	12	12		70					64.75	7.144		3	58290	201390
7012 SPN 4							4	74660				268520		
7016 SPN 3							16	16				70	64.75	7.144
7016 SFZ 4	4	74550	268330											
7020 SPN 3	20	20	70		64.75	7.144					3			
7020 SPN 4							4	74410			267860			
8010 SPN 4				82			10	80	74.75	7.144	4			
8010 SPN 5	5	84759									356623			
8010 SPN 6	6	99147									427948			
8012 SPN 4	12	12					80				74.75	7.144	4	69888
8012 SPN 5			5		84674	356266								
8016 SPN 3			16		16	80							74.75	7.144
8016 SPN 4	5	84590		355910										
8020 SPN 3	20	20		80				74.75	7.144	3				
8020 SPN 4			4		69748					284443				
10010 SPN 4			102		10		100			94.75	7.144	4		
10010 SPN 5	5	92791										445898		
10010 SPN 6	6	108543				535077								
10012 SPN 4	12	12			100	94.75						7.144	4	76511
10012 SPN 5				5				92698	445452					
10016 SPN 4				16				16	100				94.75	7.144
10016 SPN 5	5	145136	637170											
10020 SPN 4	20	20	100				94.75			7.144	4			
10020 SPN 5				5				145136			637170			

SPN
Single Plain Nut



NUT DIMENSIONS

D	B	PCD	L	K	M	N	Oil Hole	Model No.
75	18	93	70	32	8	4.0	4	5010 SPN 3
			81					5010 SPN 4
			102					5010 SPN 6
80	18	98	87	32	8	4.0	4	5012 SPN 3
			96					5012 SPN 4
			110					5016 SPN 3
80	18	98	129	40	8	4.0	4	5016 SPN 4
			129					5020 SPN 3
			152					5020 SPN 4
78	16	96	57	32	8	4.0	4	5508 SPN 3
			66					5508 SPN 4
			70					5510 SPN 3
80	16	98	81	32	8	4.0	4	5510 SPN 4
			102					5510 SPN 6
			87					5512 SPN 3
85	16	103	96	32	8	4.0	4	5512 SPN 4
			110					5516 SPN 3
			129					5516 SPN 4
85	18	103	129	40	8	4.0	4	5520 SPN 3
			152					5520 SPN 4
			57					6308 SPN 3
85	18	103	66	25	10	5.0	4	6308 SPN 4
			83					6308 SPN 6
			70					6310 SPN 3
88	20	110	81	32	10	5.0	4	6310 SPN 4
			102					6310 SPN 6
			83					6312 SPN 3
93	20	115	96	32	10	5.0	4	6312 SPN 4
			112					6316 SPN 3
			131					6316 SPN 4
95	20	117	131	40	10	5.0	4	6320 SPN 3
			154					6320 SPN 4
			81					7010 SPN 3
95	20	117	93	32	10	5.0	4	7010 SPN 4
			115					7010 SPN 6
			83					7012 SPN 3
100	20	122	96	14	10	5.0	M8 x1	7012 SPN 4
			112					7016 SPN 3
			131					7016 SPZ 4
100	20	122	131	14	10	5.0	M8 x1	7020 SPN 3
			154					7020 SPN 4
			81					8010 SPN 4
105	20	127	91	14	10	5.0	M8 x1	8010 SPN 5
			102					8010 SPN 6
			83					8012 SPN 3
110	22	138	96	14	10	5.0	M8 x1	8012 SPN 4
			114					8016 SPN 3
			133					8016 SPN 4
115	22	143	135	14	10	5.0	M8 x1	8020 SPN 3
			158					8020 SPN 4
			81					10010 SPN 4
130	24	158	91	18	10	5.0	M8 x1	10010 SPN 5
			102					10010 SPN 6
			96					10012 SPN 4
130	24	158	109	18	10	5.0	M8 x1	10012 SPN 5
			118					10016 SPN 4
			137					10016 SPN 5
135	26	163	137	18	10	5.0	M8 x1	10020 SPN 4
			137					10020 SPN 5
			160					10020 SPN 5