

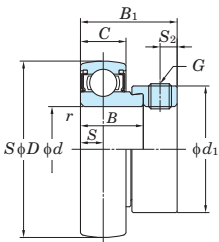
SA, SA-F, NA
Cylindrical bore
(with eccentric locking collar)
d 12 ~ (30) mm



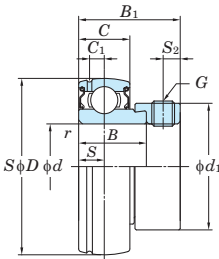
SA

SA-F

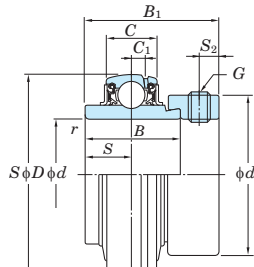
NA



SA



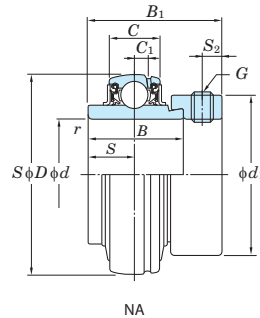
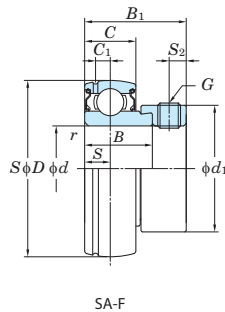
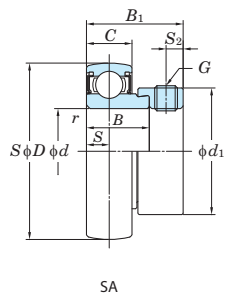
SA-F



NA

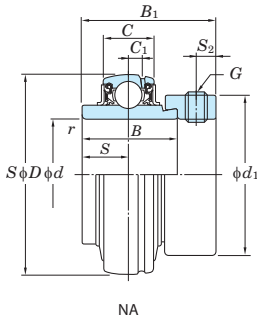
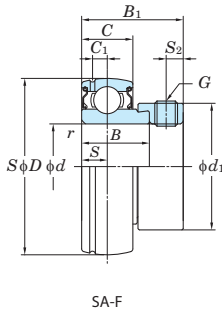
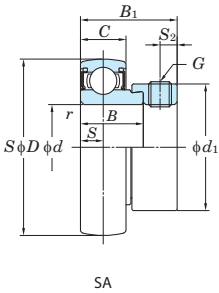
Shaft Dia mm inch		Dimensions										Basic Load Ratings kN		Factor	Bearing No.		Dimensions								Set Screw Brg.Bore		Mass
d		D		B		B ₁		C		r (min.)		C _r	C _{0r}	f ₀			C ₁		S		S ₂		d ₁		mm	inch	kg
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch						mm	inch	mm	inch	mm	inch	mm	inch			
12	—	40	1.575	19	0.784	28.5	1.122	12	0.472	0.6	0.024	9.55	4.80	13.2	SA201 SA201F NA201		—	—	6	0.236	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2			3.4	0.134	6.5	0.256	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	M6×0.75	—	0.29
—	1/2	40	1.575	19	0.784	28.5	1.122	12	0.472	0.6	0.024	9.55	4.80	13.2	SA201-8 SA201-8F NA201-8		—	—	6	0.236	4.8	0.189	28.6	1.126	—	1/4-28UNF	0.13
		40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2			3.4	0.134	6.5	0.256	4.8	0.189	28.6	1.126	—	1/4-28UNF	0.13
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	—	1/4-28UNF	0.29
15	—	40	1.575	19	0.784	28.5	1.122	12	0.472	0.6	0.024	9.55	4.80	13.2	SA202 SA202F NA202		—	—	6	0.236	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2			3.4	0.134	6.5	0.256	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	M6×0.75	—	0.27
—	5/8	40	1.575	19	0.784	28.5	1.122	12	0.472	0.6	0.024	9.55	4.80	13.2	SA202-10 NA202-10		—	—	6	0.236	4.8	0.189	28.6	1.126	—	1/4-28UNF	0.13
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	—	1/4-28UNF	0.26
17	—	40	1.575	19	0.784	28.5	1.122	12	0.472	0.6	0.024	9.55	4.80	13.2	SA203 SA203F NA203		—	—	6	0.236	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2			3.4	0.134	6.5	0.256	4.8	0.189	28.6	1.126	M6×0.75	—	0.13
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	M6×0.75	—	0.25
—	3/4	47	1.850	20	0.787	29.5	1.161	14	0.551	1	0.039	12.8	6.65	13.2	SA204-12 SA204-12F NA204-12		—	—	7	0.276	4.8	0.189	33.3	1.311	—	1/4-28UNF	0.15
		47	1.850	21.5	0.846	31	1.220	15	0.591	1	0.039	12.8	6.65	13.2			3.7	0.146	7.5	0.295	4.8	0.189	33.3	1.311	—	1/4-28UNF	0.19
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	—	1/4-28UNF	0.23
20	—	47	1.850	20	0.787	29.5	1.161	14	0.551	1	0.039	12.8	6.65	13.2	SA204 SA204F NA204		—	—	7	0.276	4.8	0.189	33.3	1.311	M6×0.75	—	0.15
		47	1.850	21.5	0.846	31	1.220	15	0.591	1	0.039	12.8	6.65	13.2			3.7	0.146	7.5	0.295	4.8	0.189	33.3	1.311	M6×0.75	—	0.19
		47	1.850	34.2	1.346	43.7	1.720	16	0.630	1	0.039	12.8	6.65	13.2			4	0.157	17.1	0.673	4.8	0.189	33.3	1.311	M6×0.75	—	0.22
—	7/8	52	2.047	21	0.827	30.5	1.201	15	0.591	1	0.039	14.0	7.85	13.9	SA205-14 NA205-14		—	—	7.5	0.295	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.22
		52	2.047	34.9	1.374	44.4	1.748	17	0.669	1	0.039	14.0	7.85	13.9			4.5	0.177	17.5	0.689	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.27
—	15/16	52	2.047	21	0.827	30.5	1.201	15	0.591	1	0.039	14.0	7.85	13.9	SA205-15 SA205-15F NA205-15		—	—	7.5	0.295	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.22
		52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9			3.7	0.146	7.5	0.295	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.23
		52	2.047	34.9	1.374	44.4	1.748	17	0.669	1	0.039	14.0	7.85	13.9			4.5	0.177	17.5	0.689	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.29
25	—	52	2.047	21	0.827	30.5	1.201	15	0.591	1	0.039	14.0	7.85	13.9	SA205 SA205F NA205		—	—	7.5	0.295	4.8	0.189	38.1	1.500	M6×0.75	—	0.22
		52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9			3.7	0.146	7.5	0.295	4.8	0.189	38.1	1.500	M6×0.75	—	0.23
		52	2.047	34.9	1.374	44.4	1.748	17	0.669	1	0.039	14.0	7.85	13.9			4.5	0.177	17.5	0.689	4.8	0.189	38.1	1.500	M6×0.75	—	0.25
—	1	52	2.047	21	0.827	30.5	1.201	15	0.591	1	0.039	14.0	7.85	13.9	SA205-16 SA205-16F NA205-16		—	—	7.5	0.295	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.22
		52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9			3.7	0.146	7.5	0.295	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.23
		52	2.047	34.9	1.374	44.4	1.748	17	0.669	1	0.039	14.0	7.85	13.9			4.5	0.177	17.5	0.689	4.8	0.189	38.1	1.500	—	1/4-28UNF	0.25
—	1 1/8	62	2.441	22	0.866	33.9	1.335	16	0.630	1	0.039	19.5	11.3	13.9	SA206-18 SA206-18F NA206-18		—	—	8	0.315	6	0.236	44.5	1.752	—	5/16-24UNF	0.3
		62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9			4.7	0.185	9	0.354	6	0.236	44.5	1.752	—	5/16-24UNF	0.34
		62	2.441	36.5	1.437	48.4	1.906	19	0.748	1	0.039	19.5	11.3	13.9			5	0.197	18.3	0.720	6	0.236	44.5	1.752	—	5/16-24UNF	0.43
30	—	62	2.441	22	0.866	33.9	1.335	16	0.630	1	0.039	19.5	11.3	13.9	SA206 SA206F NA206		—	—	8	0.315	6	0.236	44.5	1.752	M8×1	—	0.3
		62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9			4.7	0.185	9	0.354	6	0.236	44.5	1.752	M8×1	—	0.34
		62	2.441	36.5	1.437	48.4	1.906	19	0.748	1	0.039	19.5	11.3	13.9			5	0.197	18.3	0.720	6	0.236	44.5	1.752	M8×1	—	0.41
—	1 3/16	62	2.441	22	0.866	33.9	1.335	16	0.630	1	0.039	19.5	11.3	13.9	SA206-19 SA206-19F NA206-19 NA306-19		—	—	8	0.315	6	0.236	44.5	1.752	—	5/16-24UNF	0.3
		62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9			4.7	0.185	9	0.354	6	0.236	44.5	1.752	—	5/16-24UNF	0.34
		62	2.441	36.5	1.437	48.4	1.906	19	0.748	1	0.039	19.5	11.3	13.9			5	0.197	18.3	0.720	6	0.236	44.5	1.752	—	5/16-24UNF	0.41
—	1 1/4	72	2.835	36.5	1.437	50.5	1.988	24	0.945	1.1	0.043	26.7	15.0	13.3	NA306-19		6.5	0.256	17.5	0.689	6.8	0.268	49.2	1.937	—	5/16-24UNF	0.66
		62	2.441	22	0.866	33.9	1.335	16	0.630	1	0.039	19.5	11.3	13.9			—	—	8	0.315	6	0.236	44.5	1.752	—	5/16-24UNF	0.3
		62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9			4.7	0.185	9	0.354	6	0.236	44.5	1.752	—	5/16-24UNF	0.34
—	1 1/4	62	2.441	36.5	1.437	48.4	1.906	19	0.748	1	0.039	19.5</															

SA, SA-F, NA
Cylindrical bore
(with eccentric locking collar)
d (30) ~ 60 mm



Shaft Dia		Dimensions										Basic Load Ratings		Factor	Bearing No.		Dimensions								Set Screw Brg.Bore		Mass
mm inch		D		B		B ₁		C		r (min.)		C _t	C _{0r}	f ₀			C ₁		S		S ₂		d ₁		mm	inch	kg
d		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch						mm	inch	mm	inch	mm	inch	mm	inch			
—	1 3/8	72	2.835	23	0.906	36.5	1.437	17	0.669	1.1	0.043	25.7	15.4	13.9	SA207-22		—	—	8.5	0.335	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.5
		72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SA207-22F		5.5	0.217	9.5	0.335	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.57
		72	2.835	37.6	1.480	51.1	2.012	20	0.787	1.1	0.043	25.7	15.4	13.9	NA207-22		5.5	0.217	18.8	0.740	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.61
35	—	72	2.835	23	0.906	36.5	1.437	17	0.669	1.1	0.043	25.7	15.4	13.9	SA207		—	—	8.5	0.335	6.8	0.268	55.6	2.189	M8×1	—	0.5
		72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SA207F		5.5	0.217	9.5	0.335	6.8	0.268	55.6	2.189	M8×1	—	0.57
		72	2.835	37.6	1.480	51.1	2.012	20	0.787	1.1	0.043	25.7	15.4	13.9	NA207		5.5	0.217	18.8	0.740	6.8	0.268	55.6	2.189	M8×1	—	0.61
—	1 7/16	72	2.835	23	0.906	36.5	1.437	17	0.669	1.1	0.043	25.7	15.4	13.9	SA207-23		—	—	8.5	0.335	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.5
		72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SA207-23F		5.5	0.217	9.5	0.335	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.57
		72	2.835	37.6	1.480	51.1	2.012	20	0.787	1.1	0.043	25.7	15.4	13.9	NA207-23		5.5	0.217	18.8	0.740	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.58
		80	3.150	38.1	1.500	52.1	2.051	26	1.024	1.5	0.059	33.4	19.3	13.2	NA307-23		7.5	0.295	18.3	0.720	6.8	0.268	55.6	2.189	—	5/16-24UNF	0.81
—	1 1/2	80	3.150	27	1.063	40.5	1.595	18	0.709	1.1	0.043	29.1	17.8	14.0	SA208-24		—	—	9	0.354	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.67
		80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SA208-24F		6.2	0.244	11	0.433	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.75
		80	3.150	42.8	1.685	56.3	2.217	21	0.827	1.1	0.043	29.1	17.8	14.0	NA208-24		6	0.236	21.4	0.843	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.83
		90	3.543	41.3	1.626	57.6	2.268	28	1.102	1.5	0.059	40.7	24.0	13.2	NA308-24		8	0.315	19.6	0.772	8	0.315	63.5	2.500	—	3/8-24UNF	1.19
—	1 9/16	80	3.150	27	1.063	40.5	1.595	18	0.709	1.1	0.043	29.1	17.8	14.0	SA208-25		—	—	9	0.354	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.67
		80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SA208-25F		6.2	0.244	11	0.433	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.75
		80	3.150	42.8	1.685	56.3	2.217	21	0.827	1.1	0.043	29.1	17.8	14.0	NA208-25		6	0.236	21.4	0.843	6.8	0.268	60.3	2.374	—	5/16-24UNF	0.79
40	—	80	3.150	27	1.063	40.5	1.595	18	0.709	1.1	0.043	29.1	17.8	14.0	SA208		—	—	9	0.354	6.8	0.268	60.3	2.374	M8×1	—	0.67
		80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SA208F		6.2	0.244	11	0.433	6.8	0.268	60.3	2.374	M8×1	—	0.75
		80	3.150	42.8	1.685	56.3	2.217	21	0.827	1.1	0.043	29.1	17.8	14.0	NA208		6	0.236	21.4	0.843	6.8	0.268	60.3	2.374	M8×1	—	0.78
—	1 5/8	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SA209-26F		6	0.236	11	0.433	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.82
		85	3.346	42.8	1.685	56.3	2.217	22	0.866	1.1	0.043	34.1	21.3	14.0	NA209-26		6	0.236	21.4	0.843	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.96
—	1 11/16	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SA209-27F		6	0.236	11	0.433	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.82
		85	3.346	42.8	1.685	56.3	2.217	22	0.866	1.1	0.043	34.1	21.3	14.0	NA209-27		6	0.236	21.4	0.843	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.91
		100	3.937	42.9	1.689	58.7	2.311	30	1.181	1.5	0.059	48.9	29.5	13.3	NA309-27		8.5	0.335	19.8	0.780	8	0.315	69.8	2.748	—	3/8-24UNF	1.47
—	1 3/4	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SA209-28F		6	0.236	11	0.433	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.82
		85	3.346	42.8	1.685	56.3	2.217	22	0.866	1.1	0.043	34.1	21.3	14.0	NA209-28		6	0.236	21.4	0.843	6.8	0.268	63.5	2.500	—	5/16-24UNF	0.87
45	—	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SA209F		6	0.236	11	0.433	6.8	0.268	63.5	2.500	M8×1	—	0.82
		85	3.346	42.8	1.685	56.3	2.217	22	0.866	1.1	0.043	34.1	21.3	14.0	NA209		6	0.236	21.4	0.843	6.8	0.268	63.5	2.500	M8×1	—	0.85
—	1 7/8	90	3.543	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	35.1	23.3	14.4	SA210-30F		6.6	0.260	11	0.433	6.8	0.268	69.9	2.752	—	5/16-24UNF	0.85
		90	3.543	49.2	1.937	62.7	2.469	24	0.945	1.1	0.043	35.1	23.3	14.4	NA210-30		6	0.236	24.6	0.969	6.8	0.268	69.9	2.752	—	5/16-24UNF	1.08
—	1 15/16	90	3.543	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	35.1	23.3	14.4	SA210-31F		6.6	0.260	11	0.433	6.8	0.268	69.9	2.752	—	5/16-24UNF	0.85
		90	3.543	49.2	1.937	62.7	2.469	24	0.945	1.1	0.043	35.1	23.3	14.4	NA210-31		6	0.236	24.6	0.969	6.8	0.268	69.9	2.752	—	5/16-24UNF	1.04
		110	4.331	49.2	1.937	66.6	2.622	32	1.260	2	0.079	62.0	38.3	13.2	NA310-31		9	0.354	24.6	0.969	8.7	0.343	76.2	3.000	—	3/8-24UNF	1.95
50	—	90	3.543	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	35.1	23.3	14.4	SA210F		6.6	0.260	11	0.433	6.8	0.268	69.9	2.752	M8×1	—	0.85
		90	3.543	49.2	1.937	62.7	2.469	24	0.945	1.1	0.043	35.1	23.3	14.4	NA210		6	0.236	24.6	0.969	6.8	0.268	69.9	2.752	M8×1	—	1.01
		90	3.543	49.2	1.937	62.7	2.469	24	0.945	1.1	0.043	35.1	23.3	14.4	NA210-32		6	0.236	24.6	0.969	6.8	0.268	69.9	2.752	—	5/16-24UNF	0.99
—	2	100	3.937	32.4	1.276	48.3	1.902	24	0.945	1.5	0.059	43.4	29.4	14.4	SA211-32F		7	0.276	12	0.472	8	0.315	76.2	3.000	—	3/8-24UNF	1.2
		100	3.937	55.5	2.185	71.4	2.811	25	0.984	1.5	0.059	43.4	29.4	14.4	NA211-32		7	0.276	27.8	1.094	8	0.315	76.2	3.000	—	3/8-24UNF	1.58
		100	3.937	32.4	1.276	48.3	1.902	24	0.945	1.5	0.059	43.4	29.4	14.4	SA211-34F		7	0.276	12	0.472	8	0.315	76.2	3.000	—	3/8-24UNF	1.2
—	2 1/8	100	3.937	55.5	2.185	71.4	2.811	25	0.984	1.5	0.059	43.4	29.4	14.4	NA211-34		7	0.276	27.8	1.094	8	0.315	76.2	3.000	—	3/8-24UNF	1.49
		100	3.937	32.4	1.276	48.3	1.902	24	0.945	1.																	

SA, SA-F, NA
Cylindrical bore
(with eccentric locking collar)
d 65 ~ 75 mm



Shaft Dia		Dimensions										Basic Load Ratings		Factor	Bearing No.		Dimensions								Set Screw Brg.Bore		Mass
mm	inch	<i>D</i>		<i>B</i>		<i>B</i> ₁		<i>C</i>		<i>r</i> (min.)		kN		<i>f</i> ₀			<i>C</i> ₁		<i>S</i>		<i>S</i> ₂		<i>d</i> ₁				kg
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	<i>C</i> _r	<i>C</i> _{0r}				mm	inch	mm	inch	mm	inch	mm	inch			
65	2 1/2	120	4.724	68.2	2.685	85.7	3.374	28	1.102	1.5	0.059	57.2	40.1	14.4		NA213-40	7.5	0.295	34.1	1.343	8.5	0.335	92	3.622	–	3/8-24UNF	2.51
		120	4.724	68.2	2.685	85.7	3.374	28	1.102	1.5	0.059	57.2	40.1	14.4		NA213	7.5	0.295	34.1	1.343	8.5	0.335	92	3.622	M10x1.25	–	2.45
70	2 11/16	150	5.906	68.3	2.689	92.1	3.626	40	1.575	2.1	0.083	104	68.2	13.2		NA314-43	12.5	0.492	34.1	1.343	11.9	0.469	101.6	4.000	–	1/2-20UNF	4.7
	2 3/4	125	4.921	68.2	2.685	85.7	3.374	30	1.181	1.5	0.059	62.2	44.1	14.5		NA214-44	9	0.354	34.1	1.343	8.5	0.335	97	3.819	–	3/8-24UNF	2.94
		125	4.921	68.2	2.685	85.7	3.374	30	1.181	1.5	0.059	62.2	44.1	14.5		NA214	9	0.354	34.1	1.343	8.5	0.335	97	3.819	M10x1.25	–	2.92
75	2 15/16	160	6.299	74.6	2.937	100	3.937	42	1.654	2.1	0.083	113	77.2	13.2		NA315-47	14.5	0.571	37.3	1.469	12.7	0.500	112.7	4.437	–	5/8-18UNF	5.8
	3	130	5.118	74.6	2.937	92.1	3.626	32	1.260	1.5	0.059	67.4	48.3	14.5		NA215	9	0.354	37.3	1.469	8.5	0.335	102	4.016	M10x1.25	–	2.74
		130	5.118	74.6	2.937	92.1	3.626	32	1.260	1.5	0.059	67.4	48.3	14.5		NA215-48	9	0.354	37.3	1.469	8.5	0.335	102	4.016	–	3/8-24UNF	2.72