

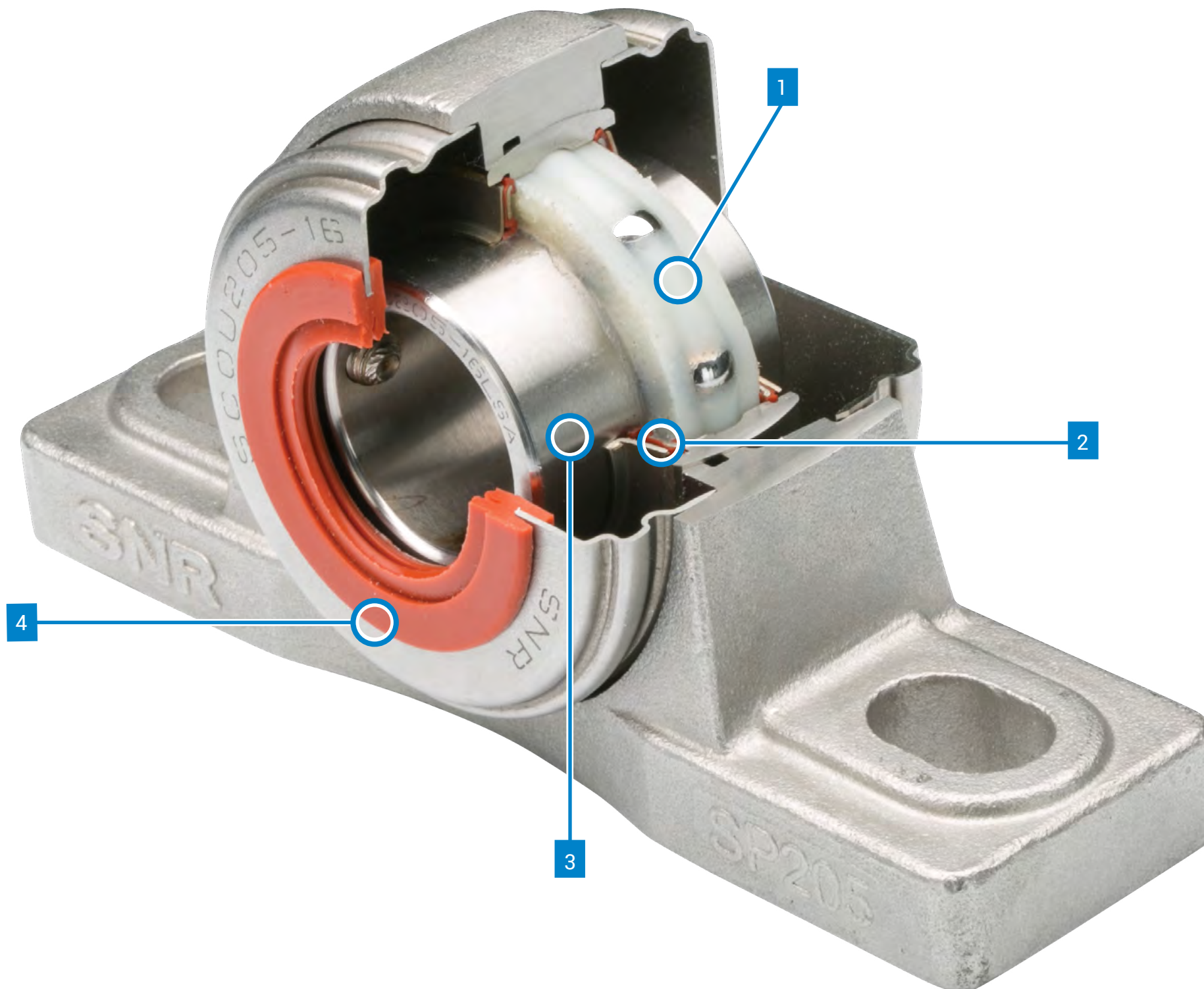
Sentinel[™] Series



SENTINEL
SERIES



Don't let fear of bearing failure wash over you.



The Better Option

Less downtime.
More profitability.

NTN's Sentinel™ Series is a premium line of stainless steel bearings and bearing units featuring food-grade solid lube with covers. Sentinel is designed for a maintenance-free, washdown-resistant product line in food and beverage applications.

Product Features & Benefits

- 1 NSF H1 "Food Safe" solid lubricant filled bearing eliminates need for lubrication after installation, while preventing washout and contamination
- 2 Seal and slinger combination creates a water-resistant barrier to help prevent contamination
- 3 100% stainless steel bearing resists corrosion and ensures bearings will never chip and contaminate the end product like coatings
- 4 Protective covers for units provide additional protection against contaminants and moisture, while adding additional safety for maintenance personnel

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Sentinel Series Nomenclature System

Units

Material

Insert Type

Housing

Size

Bore Diameter

Suffix

Grease

S

UC

PA

208

—

24

CC

FG1

1. MATERIAL

S: Stainless steel

M: Stainless steel (insert only)

2. INSERT TYPE

UC: Wide inner ring, set screw type w/slinger

3. HOUSING

Stainless Cast

P: Pillow block

PA: Tapped base pillow block

FL: Two bolt flange

F: Four bolt flange

T: Take up unit

Thermoplastic

PPL: Pillow block

TBL: Tapped base pillow block

NFL: Two-bolt flange

FBL: Three-bolt flange bracket

FPL: Four-bolt flange

4. SIZE

2xx: Base housing and bearing size

5. BORE DIAMETER

XX: Bore diameter in 16ths of an inch (ex: 24/16 = 1.5")

6. SUFFIX

CC: Closed Cover (one closed and one open cover, if applicable)

CO: Open Cover (one or two open covers)

7. GREASE

FG1: Food-grade solid lube (H1 rated)

How to Order Your Sentinel Series Unit

SENTINEL SERIES STAINLESS STEEL HOUSING

Example: When you order one SUCP2-5-16CCFG1, you will receive an assembly consisting of one SP205N housing, one SUC 205-16FG1 bearing, one open cover SCOU205-16, and one closed cover SCC205.

SENTINEL SERIES THERMOPLASTIC HOUSING

Example: When you order one MUCNFL205-16CCFG1, you will receive an assembly consisting of one WNFL205 housing, one SUC205-16FG1 bearing, and one closed cover CF25.

Note:

All units will include mounting instructions within a 1x1 NTN Sentinel Series branded box.

Sentinel Series Nomenclature System

Ball Bearings

Material

Type & Series

Bore Diameter

Seal

Clearance

Grease

S

60

02

2RS

C3

FG1

1. MATERIAL

S: Stainless steel

2. TYPE & SERIES

60: ISO 10 series deep groove ball bearing

62: ISO 02 series deep groove ball bearing

3. BORE DIAMETER

00: 10mm

01: 12mm

02: 15mm

03: 17mm

04+: # x 5 = bore diameter in mm

4. SEALS

2RS: Contact seal with grooves

5. CLEARANCE

No Designation: Normal clearance

C3: Clearance greater than normal

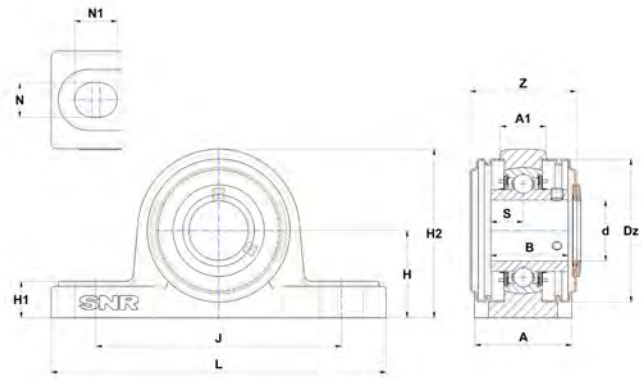
6. GREASE

FG1: Food-grade solid lube (H1 rated)

How to Order Your Sentinel Series Bearings

SENTINEL SERIES BALL BEARING

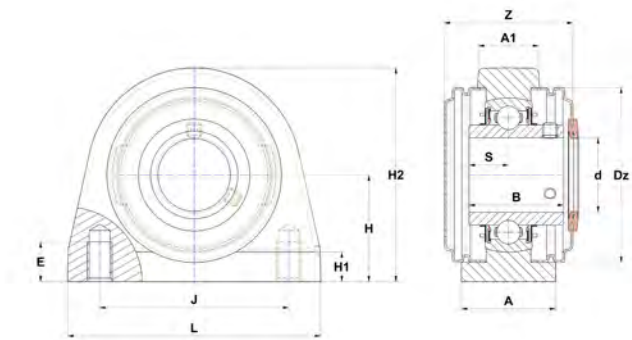
Example: When you order one S60022RSFG1, you will receive one ball bearing in a 1x1 NTN Sentinel Series branded box.



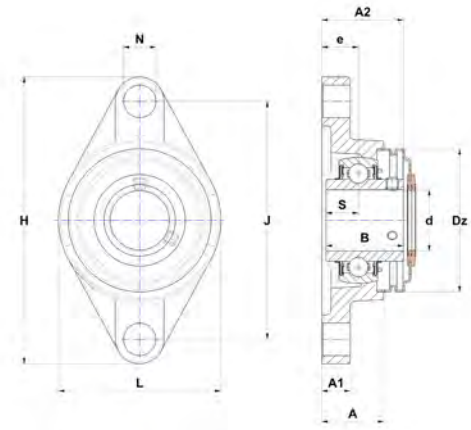
SENTINEL SERIES PILLOW BLOCK, STAINLESS STEEL

SENTINEL SERIES PILLOW BLOCK, STAINLESS STEEL (continued)

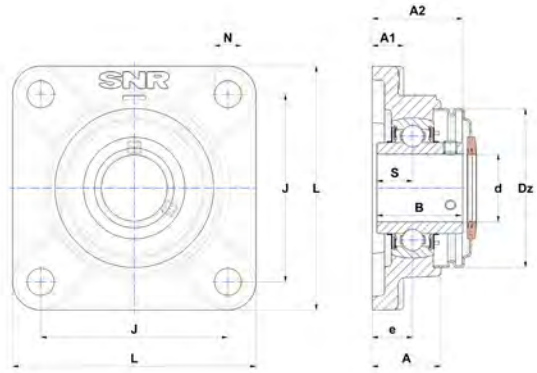
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)							Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B1	H	H1	H2		S	A	A1	N	N1	Z	Dz				
3/4	SUCP204-12CCFG1	SUCP204-12C0FG1	126 4.96	95 3.74	31 1.22	33.3 1.31	15 0.59	65 2.56		12.7 0.50	38 1.50	21 0.83	13 0.51	19 0.75	44.5 1.75	54 2.13	0.82 1.81	M10 3/8	SP204N	SUC204-12FG1
1	SUCP205-16CCFG1	SUCP205-16C0FG1	140 5.51	105 4.13	34.1 1.34	36.5 1.44	16 0.63	70 2.76		14.3 0.56	38 1.50	23.5 0.93	13 0.51	19 0.75	47.3 1.86	60 2.36	0.97 2.14	M10 3/8	SP205N	SUC205-16FG1
1 3/16	SUCP206-19CCFG1	SUCP206-19C0FG1	165 6.50	121 4.76	38.1 1.50	42.9 1.69	18 0.71	83 3.27		15.9 0.63	48 1.89	22 0.87	17 0.67	21 0.83	52.3 2.06	70 2.76	1.61 3.55	M14 1/2	SP206N	SUC206-19FG1
1 1/4	SUCP206-20CCFG1	SUCP206-20C0FG1	165 6.50	121 4.76	38.1 1.50	42.9 1.69	18 0.71	83 3.27		15.9 0.63	48 1.89	22 0.87	17 0.67	21 0.83	52.3 2.06	70 2.76	1.61 3.55	M14 1/2	SP206N	SUC206-20FG1
1 1/4	SUCP207-20CCFG1	SUCP207-20C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	19 0.75	94 3.70		17.5 0.69	48 1.89	27 1.06	17 0.67	21 0.83	58.9 2.32	80 3.15	1.98 4.37	M14 1/2	SP207N	SUC207-20FG1
1 3/8	SUCP207-22CCFG1	SUCP207-22C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	19 0.75	94 3.70		17.5 0.69	48 1.89	27 1.06	17 0.67	21 0.83	58.9 2.32	80 3.15	1.98 4.37	M14 1/2	SP207N	SUC207-22FG1
1 7/16	SUCP207-23CCFG1	SUCP207-23C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	19 0.75	94 3.70		17.5 0.69	48 1.89	27 1.06	17 0.67	21 0.83	58.9 2.32	80 3.15	1.98 4.37	M14 1/2	SP207N	SUC207-23FG1
1 1/2	SUCP208-24CCFG1	SUCP208-24C0FG1	184 7.24	136 5.35	49.2 1.94	49.2 1.94	19 0.75	100 3.94		19 0.75	54 2.13	27 1.06	17 0.67	23 0.91	69.3 2.73	88 3.46	2.48 5.47	M14 1/2	SP208N	SUC208-24FG1
1 5/8	SUCP209-26CCFG1	SUCP209-26C0FG1	190 7.48	146 5.75	49.2 1.94	54 2.13	20 0.79	109 4.29		19 0.75	54 2.13	28 1.10	17 0.67	23 0.91	69.8 2.75	95 3.74	2.86 6.31	M14 1/2	SP209N	SUC209-26FG1
1 3/4	SUCP209-28CCFG1	SUCP209-28C0FG1	190 7.48	146 5.75	49.2 1.94	54 2.13	20 0.79	109 4.29		19 0.75	54 2.13	28 1.10	17 0.67	23 0.91	69.8 2.75	95 3.74	2.86 6.31	M14 1/2	SP209N	SUC209-28FG1
1 15/16	SUCP210-31CCFG1	SUCP210-31C0FG1	206 8.11	159 6.26	51.6 2.03	57.2 2.25	22 0.87	114 4.49		19 0.75	60 2.36	30 1.18	20 0.79	25 0.98	76.1 3.00	100 3.94	3.49 7.69	M16 5/8	SP210N	SUC210-31FG1
2	SUCP211-32CCFG1	SUCP211-32C0FG1	219 8.62	171 6.73	55.6 2.19	63.5 2.50	23 0.91	126 4.96		22.2 0.87	60 2.36	33 1.30	20 0.79	25 0.98	77.7 3.06	110 4.33	4.31 9.50	M16 5/8	SP211N	SUC211-32FG1
2 3/16	SUCP211-35CCFG1	SUCP211-35C0FG1	219 8.62	171 6.73	55.6 2.19	63.5 2.50	23 0.91	126 4.96		22.2 0.87	60 2.36	33 1.30	20 0.79	25 0.98	77.7 3.06	110 4.33	4.31 9.50	M16 5/8	SP211N	SUC211-35FG1
2 7/16	SUCP212-39CCFG1	SUCP212-39C0FG1	241 9.49	184 7.24	65.1 2.56	69.8 2.75	25 0.98	138 5.43		25.4 1.00	70 2.76	35 1.38	20 0.79	25 0.98	91.3 3.59	120 4.72	5.89 12.99	M16 5/8	SP212N	SUC212-39FG1



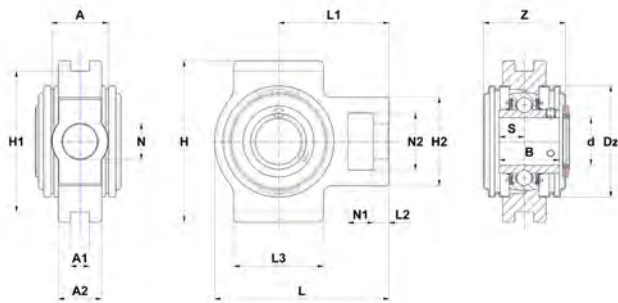
SENTINEL SERIES TAPPED BASE PILLOW BLOCK, STAINLESS STEEL										SENTINEL SERIES TAPPED BASE PILLOW BLOCK, STAINLESS STEEL (continued)								
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)					Weight (kg/lbs)	Bolt Size (metric)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B1	H	H1	H2		S	A	A1	Z	Dz				
3/4	SUCPA204-12CCFG1	SUCPA204-12C0FG1	73 2.87	50.8 2.00	31 1.22	33.3 1.31	11 0.43	65 2.56		12.7 0.50	38 1.50	23 0.91	45.6 1.80	54 2.13	0.72 1.59	M8	SPA204N	SUC204-12FG1
1	SUCPA205-16CCFG1	SUCPA205-16C0FG1	76 2.99	50.8 2.00	34.1 1.34	36.5 1.44	12 0.47	71 2.80		14.3 0.56	38 1.50	24 0.94	46.3 1.82	60 2.36	0.77 1.70	M10	SPA205N	SUC205-16FG1
1 3/16	SUCPA206-19CCFG1	SUCPA206-19C0FG1	102 4.02	76.2 3.00	38.1 1.50	42.9 1.69	12 0.47	86 3.39		15.9 0.63	38 1.50	24 0.94	51.8 2.04	70 2.76	1.31 2.89	M10	SPA206N	SUC206-19FG1
1 1/4	SUCPA206-20CCFG1	SUCPA206-20C0FG1	102 4.02	76.2 3.00	38.1 1.50	42.9 1.69	12 0.47	86 3.39		15.9 0.63	38 1.50	24 0.94	51.8 2.04	70 2.76	1.31 2.89	M10	SPA206N	SUC206-20FG1
1 1/4	SUCPA207-20CCFG1	SUCPA207-20C0FG1	108 4.25	82.6 3.25	42.9 1.69	47.6 1.87	12 0.47	95 3.74		17.5 0.69	48 1.89	24 0.94	57.4 2.26	80 3.15	1.78 3.92	M10	SPA207N	SUC207-20FG1
1 3/8	SUCPA207-22CCFG1	SUCPA207-22C0FG1	108 4.25	82.6 3.25	42.9 1.69	47.6 1.87	12 0.47	95 3.74		17.5 0.69	48 1.89	24 0.94	57.4 2.26	80 3.15	1.78 3.92	M10	SPA207N	SUC207-22FG1
1 7/16	SUCPA207-23CCFG1	SUCPA207-23C0FG1	108 4.25	82.6 3.25	42.9 1.69	47.6 1.87	12 0.47	95 3.74		17.5 0.69	48 1.89	24 0.94	57.4 2.26	80 3.15	1.78 3.92	M10	SPA207N	SUC207-23FG1
1 1/2	SUCPA208-24CCFG1	SUCPA208-24C0FG1	117 4.61	89 3.50	49.2 1.94	49.2 1.94	13 0.51	100 3.94		19 0.75	48 1.89	27 1.06	67.8 2.67	88 3.46	2.08 4.59	M12	SPA208N	SUC208-24FG1
1 5/8	SUCPA209-26CCFG1	SUCPA209-26C0FG1	127 5.00	95.3 3.75	49.2 1.94	54 2.13	13 0.51	108 4.25		19 0.75	51 2.01	28 1.10	68.3 2.69	95 3.74	2.46 5.42	M12	SPA209N	SUC209-26FG1
1 3/4	SUCPA209-28CCFG1	SUCPA209-28C0FG1	127 5.00	95.3 3.75	49.2 1.94	54 2.13	13 0.51	108 4.25		19 0.75	51 2.01	28 1.10	68.3 2.69	95 3.74	2.46 5.42	M12	SPA209N	SUC209-28FG1
1 15/16	SUCPA210-31CCFG1	SUCPA210-31C0FG1	140 5.51	101.6 4.00	51.6 2.03	57.2 2.25	13 0.51	117 4.61		19 0.75	51 2.01	27 1.06	74.6 2.94	100 3.94	2.89 6.37	M16	SPA210N	SUC210-31FG1



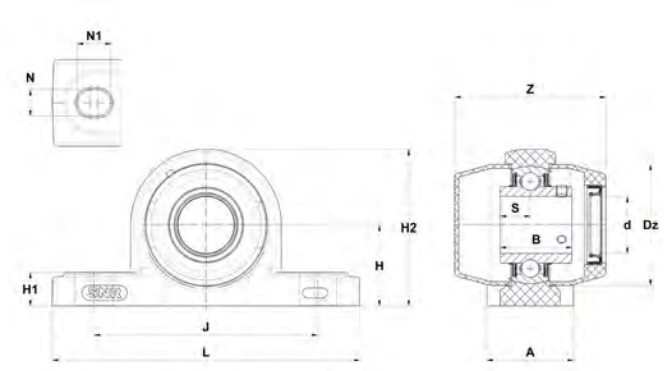
SENTINEL SERIES TWO-BOLT FLANGE, STAINLESS STEEL										SENTINEL SERIES TWO-BOLT FLANGE, STAINLESS STEEL (continued)									
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)						Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	H	B	e	S		A	A1	A2	N	Z	Dz				
3/4	SUCFL204-12CCFG1	SUCFL204-12C0FG1	59 2.30	90 3.54	112 4.41	31 1.22	15 0.59	12.7 0.50		25.5 1.00	90 3.54	33.3 1.31	12 0.47	36.6 1.44	54 2.13	0.49 1.08	M10 3/8	SFL204N	SUC204-12FG1
1	SUCFL205-16CCFG1	SUCFL205-16C0FG1	68 2.68	99 3.90	125 4.92	34.1 1.34	16 0.63	14.3 0.56		27 1.06	99 3.90	35.8 1.41	16 0.63	38.9 1.53	60 2.36	0.64 1.41	M14 1/2	SFL205N	SUC205-16FG1
1 3/16	SUCFL206-19CCFG1	SUCFL206-19C0FG1	80 3.15	117 4.61	141 5.55	38.1 1.50	18 0.71	15.9 0.63		31 1.22	117 4.61	40.2 1.58	16 0.63	43.9 1.73	70 2.76	0.87 1.92	M14 1/2	SFL206N	SUC206-19FG1
1 1/4	SUCFL206-20CCFG1	SUCFL206-20C0FG1	80 3.15	117 4.61	141 5.55	38.1 1.50	18 0.71	15.9 0.63		31 1.22	117 4.61	40.2 1.58	16 0.63	43.9 1.73	70 2.76	0.87 1.92	M14 1/2	SFL206N	SUC206-20FG1
1 1/4	SUCFL207-20CCFG1	SUCFL207-20C0FG1	90 3.54	130 5.12	156 6.14	42.9 1.69	19 0.75	17.5 0.69		33 1.30	130 5.12	44.4 1.75	16 0.63	47.7 1.88	80 3.15	1.23 2.71	M14 1/2	SFL207N	SUC207-20FG1
1 3/8	SUCFL207-22CCFG1	SUCFL207-22C0FG1	90 3.54	130 5.12	156 6.14	42.9 1.69	19 0.75	17.5 0.69		33 1.30	130 5.12	44.4 1.75	16 0.63	47.7 1.88	80 3.15	1.23 2.71	M14 1/2	SFL207N	SUC207-22FG1
1 7/16	SUCFL207-23CCFG1	SUCFL207-23C0FG1	90 3.54	130 5.12	156 6.14	42.9 1.69	19 0.75	17.5 0.69		33 1.30	130 5.12	44.4 1.75	16 0.63	47.7 1.88	80 3.15	1.23 2.71	M14 1/2	SFL207N	SUC207-23FG1
1 1/2	SUCFL208-24CCFG1	SUCFL208-24C0FG1	100 3.94	144 5.67	172 6.77	49.2 1.94	21 0.83	19 0.75		36 1.42	144 5.67	51.2 2.02	16 0.63	54.4 2.14	88 3.46	1.61 3.55	M14 1/2	SFL208N	SUC208-24FG1
1 5/8	SUCFL209-26CCFG1	SUCFL209-26C0FG1	108 4.25	148 5.83	180 7.09	49.2 1.94	22 0.87	19 0.75		38 1.50	148 5.83	52.2 2.06	19 0.75	55.9 2.20	95 3.74	1.88 4.14	M16 5/8	SFL209N	SUC209-26FG1
1 3/4	SUCFL209-28CCFG1	SUCFL209-28C0FG1	108 4.25	148 5.83	180 7.09	49.2 1.94	22 0.87	19 0.75		38 1.50	148 5.83	52.2 2.06	19 0.75	55.9 2.20	95 3.74	1.88 4.14	M16 5/8	SFL209N	SUC209-28FG1
1 15/16	SUCFL210-31CCFG1	SUCFL210-31C0FG1	115 4.53	157 6.18	190 7.48	51.6 2.03	22 0.87	19 0.75		39 1.54	157 6.18	54.6 2.15	19 0.75	59.3 2.33	100 3.94	2.29 5.05	M16 5/8	SFL210N	SUC210-31FG1



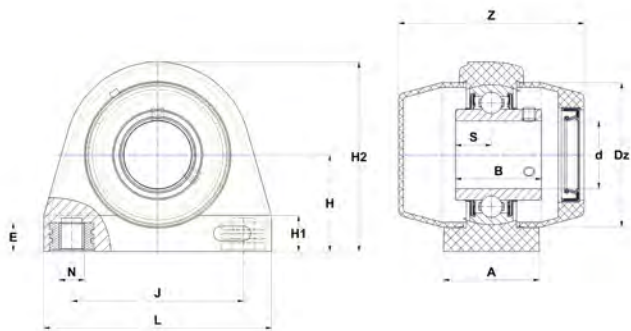
SENTINEL SERIES FOUR-BOLT FLANGE, STAINLESS STEEL										SENTINEL SERIES FOUR-BOLT FLANGE, STAINLESS STEEL (continued)								
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)					Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B	e	S	A		A1	A2	N	Z	Dz				
3/4	SUCF204-12CCFG1	SUCF204-12C0FG1	86 3.39	64 2.52	31 1.22	15 0.59	12.7 0.50	25.5 1.00		64 2.52	33.3 1.31	12 0.47	36.6 1.44	54 2.13	0.59 1.30	M10 3/8	SF204N	SUC204-12FG1
1	SUCF205-16CCFG1	SUCF205-16C0FG1	95 3.74	70 2.76	34.1 1.34	16 0.63	14.3 0.56	27 1.06		70 2.76	35.8 1.41	12 0.47	39.2 1.54	60 2.36	0.84 1.85	M10 3/8	SF205N	SUC205-16FG1
1 3/16	SUCF206-19CCFG1	SUCF206-19C0FG1	108 4.25	83 3.27	38.1 1.50	18 0.71	15.9 0.63	30.5 1.20		83 3.27	40.2 1.58	12 0.47	44 1.73	70 2.76	1.17 2.58	M10 3/8	SF206N	SUC206-19FG1
1 1/4	SUCF206-20CCFG1	SUCF206-20C0FG1	108 4.25	83 3.27	38.1 1.50	18 0.71	15.9 0.63	30.5 1.20		83 3.27	40.2 1.58	12 0.47	44 1.73	70 2.76	1.17 2.58	M10 3/8	SF206N	SUC206-20FG1
1 1/4	SUCF207-20CCFG1	SUCF207-20C0FG1	116 4.57	92 3.62	42.9 1.69	19 0.75	17.5 0.69	33.5 1.32		92 3.62	44.4 1.75	14 0.55	47.5 1.87	80 3.15	1.43 3.15	M12 1/2	SF207N	SUC207-20FG1
1 3/8	SUCF207-22CCFG1	SUCF207-22C0FG1	116 4.57	92 3.62	42.9 1.69	19 0.75	17.5 0.69	33.5 1.32		92 3.62	44.4 1.75	14 0.55	47.5 1.87	80 3.15	1.43 3.15	M12 1/2	SF207N	SUC207-22FG1
1 7/16	SUCF207-23CCFG1	SUCF207-23C0FG1	116 4.57	92 3.62	42.9 1.69	19 0.75	17.5 0.69	33.5 1.32		92 3.62	44.4 1.75	14 0.55	47.5 1.87	80 3.15	1.43 3.15	M12 1/2	SF207N	SUC207-23FG1
1 1/2	SUCF208-24CCFG1	SUCF208-24C0FG1	130 5.12	102 4.02	49.2 1.94	21 0.83	19 0.75	36 1.42		102 4.02	51.2 2.02	16 0.63	54.7 2.15	88 3.46	1.91 4.21	M14 1/2	SF208N	SUC208-24FG1
1 5/8	SUCF209-26CCFG1	SUCF209-26C0FG1	137 5.39	105 4.13	49.2 1.94	22 0.87	19 0.75	38 1.50		105 4.13	52.2 2.06	16 0.63	56 2.20	95 3.74	2.38 5.25	M14 1/2	SF209N	SUC209-26FG1
1 3/4	SUCF209-28CCFG1	SUCF209-28C0FG1	137 5.39	105 4.13	49.2 1.94	22 0.87	19 0.75	38 1.50		105 4.13	52.2 2.06	16 0.63	56 2.20	95 3.74	2.38 5.25	M14 1/2	SF209N	SUC209-28FG1
1 15/16	SUCF210-31CCFG1	SUCF210-31C0FG1	143 5.63	111 4.37	51.6 2.03	22 0.87	19 0.75	40 1.57		111 4.37	54.6 2.15	16 0.63	59.1 2.33	100 3.94	2.69 5.93	M14 1/2	SF210N	SUC210-31FG1
2	SUCF211-32CCFG1	SUCF211-32C0FG1	162 6.38	130 5.12	55.6 2.19	25 0.98	22.2 0.87	44 1.73		130 5.12	58.4 2.30	19 0.75	61.9 2.44	110 4.33	4.1 9.04	M16 5/8	SF211N	SUC211-32FG1
2 3/16	SUCF211-35CCFG1	SUCF211-35C0FG1	162 6.38	130 5.12	55.6 2.19	25 0.98	22.2 0.87	44 1.73		130 5.12	58.4 2.30	19 0.75	61.9 2.44	110 4.33	4.1 9.04	M16 5/8	SF211N	SUC211-35FG1
2 7/16	SUCF212-39CCFG1	SUCF212-39C0FG1	175 6.89	143 5.63	65.1 2.56	29 1.14	25.4 1.00	48 1.89		143 5.63	68.7 2.70	19 0.75	72.1 2.84	120 4.72	5.65 12.46	M16 5/8	SF212N	SUC212-39FG1



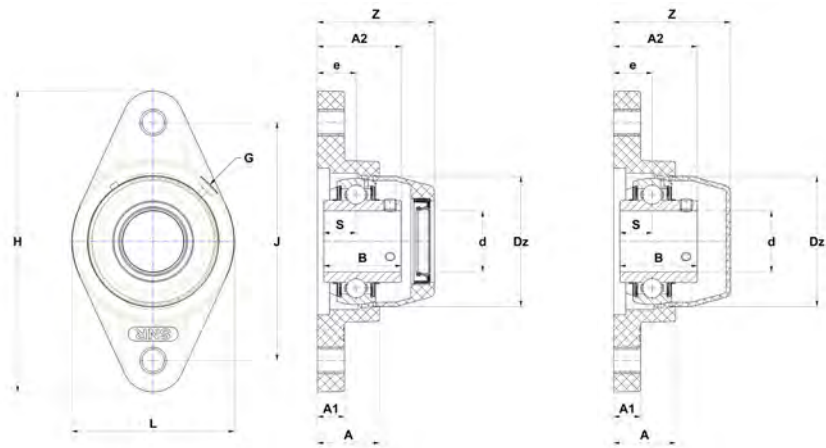
SENTINEL SERIES TAKE-UP, STAINLESS STEEL												SENTINEL SERIES TAKE-UP, STAINLESS STEEL (continued)												
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)									Nominal Dimensions (mm/inch)										Weight (kg/lbs)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	H	H1	H2	B	S	A	A1		A2	L1	L2	L3	N	N1	N2	Z	Dz				
¾	SUCT204-12CCFG1	SUCT204-12C0FG1	94 3.70	89 3.50	76 2.99	51 2.01	31 1.22	12.7 0.50	32 1.26	12 0.47		21 0.83	61 2.40	10 0.39	51 2.01	19 0.75	16 0.63	32 1.26	44.6 1.76	54 2.13	0.82 1.81	ST204N	SUC204-12FG1	
1	SUCT205-16CCFG1	SUCT205-16C0FG1	95 3.74	89 3.50	76 2.99	51 2.01	34.1 1.34	14.3 0.56	32 1.26	12 0.47		24 0.94	60.5 2.38	8 0.31	51 2.01	19 0.75	16 0.63	32 1.26	47.3 1.86	60 2.36	0.96 2.12	ST205N	SUC205-16FG1	
1 3/16	SUCT206-19CCFG1	SUCT206-19C0FG1	113 4.45	102 4.02	89 3.50	56 2.20	38.1 1.50	15.9 0.63	37 1.46	12 0.47		28 1.10	70 2.76	10 0.39	57 2.24	22 0.87	16 0.63	37 1.46	52.3 2.06	70 2.76	1.4 3.09	ST206N	SUC206-19FG1	
1 ¼	SUCT206-20CCFG1	SUCT206-20C0FG1	113 4.45	102 4.02	89 3.50	56 2.20	38.1 1.50	15.9 0.63	37 1.46	12 0.47		28 1.10	70 2.76	10 0.39	57 2.24	22 0.87	16 0.63	37 1.46	52.3 2.06	70 2.76	1.4 3.09	ST206N	SUC206-20FG1	
1 ¼	SUCT207-20CCFG1	SUCT207-20C0FG1	129 5.08	102 4.02	89 3.50	64 2.52	42.9 1.69	17.5 0.69	37 1.46	12 0.47		30 1.18	78 3.07	13 0.51	64 2.52	22 0.87	16 0.63	37 1.46	58.9 2.32	80 3.15	1.77 3.90	ST207N	SUC207-20FG1	
1 3/8	SUCT207-22CCFG1	SUCT207-22C0FG1	129 5.08	102 4.02	89 3.50	64 2.52	42.9 1.69	17.5 0.69	37 1.46	12 0.47		30 1.18	78 3.07	13 0.51	64 2.52	22 0.87	16 0.63	37 1.46	58.9 2.32	80 3.15	1.77 3.90	ST207N	SUC207-22FG1	
1 7/16	SUCT207-23CCFG1	SUCT207-23C0FG1	129 5.08	102 4.02	89 3.50	64 2.52	42.9 1.69	17.5 0.69	37 1.46	12 0.47		30 1.18	78 3.07	13 0.51	64 2.52	22 0.87	16 0.63	37 1.46	58.9 2.32	80 3.15	1.77 3.90	ST207N	SUC207-23FG1	
1 ½	SUCT208-24CCFG1	SUCT208-24C0FG1	144 5.67	114 4.49	102 4.02	83 3.27	49.2 1.94	19 0.75	49 1.93	16 0.63		33 1.30	88 3.46	16 0.63	83 3.27	29 1.14	19 0.75	49 1.93	69.3 2.73	88 3.46	2.67 5.89	ST208N	SUC208-24FG1	
1 5/8	SUCT209-26CCFG1	SUCT209-26C0FG1	144 5.67	117 4.61	102 4.02	83 3.27	49.2 1.94	19 0.75	49 1.93	16 0.63		35 1.38	87 3.43	16 0.63	83 3.27	29 1.14	19 0.75	49 1.93	69.8 2.75	95 3.74	2.65 5.84	ST209N	SUC209-26FG1	
1 ¾	SUCT209-28CCFG1	SUCT209-28C0FG1	144 5.67	117 4.61	102 4.02	83 3.27	49.2 1.94	19 0.75	49 1.93	16 0.63		35 1.38	87 3.43	16 0.63	83 3.27	29 1.14	19 0.75	49 1.93	69.8 2.75	95 3.74	2.65 5.84	ST209N	SUC209-28FG1	
1 15/16	SUCT210-31CCFG1	SUCT210-31C0FG1	149 5.87	117 4.61	102 4.02	83 3.27	51.6 2.03	19 0.75	49 1.93	16 0.63		37 1.46	90 3.54	16 0.63	86 3.39	29 1.14	19 0.75	49 1.93	76.1 3.00	100 3.94	2.77 6.11	ST210N	SUC210-31FG1	



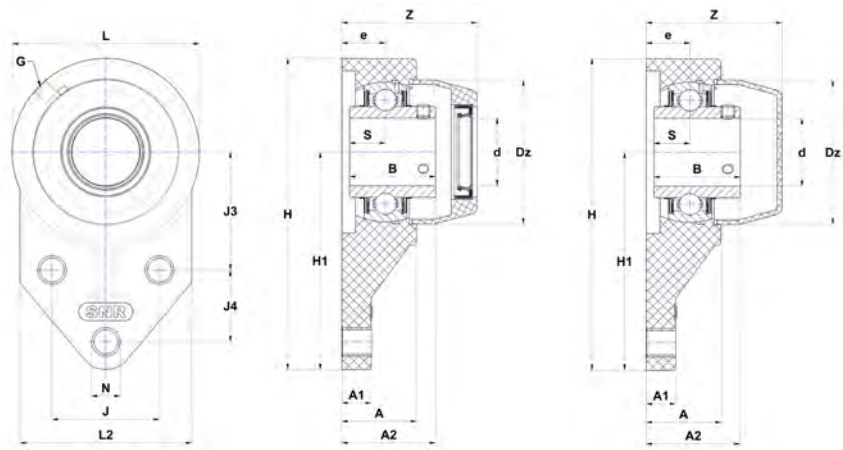
SENTINEL SERIES PILLOW BLOCK, THERMOPLASTIC										SENTINEL SERIES PILLOW BLOCK, THERMOPLASTIC (continued)									
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)						Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B1	H	H1	H2		S	A	N	N1	Z	Dz				
3/4	MUCPPL204-12CCFG1	MUCPPL204-12C0FG1	127 5.00	95 3.74	31 1.22	33.3 1.31	14.2 0.56	65 2.56		12.7 0.50	38 1.50	11 0.43	14 0.55	63.3 2.49	50.1 1.97	0.32 0.71	M10 3/8	WPPL204	SUC204-12FG1
1	MUCPPL205-16CCFG1	MUCPPL205-16C0FG1	140 5.51	105 4.13	34.1 1.34	36.5 1.44	14.5 0.57	71 2.80		14.3 0.56	38 1.50	11 0.43	14 0.55	68.1 2.68	55 2.17	0.38 0.84	M10 3/8	WPPL205	SUC205-16FG1
1 3/16	MUCPPL206-19CCFG1	MUCPPL206-19C0FG1	162 6.38	119 4.69	38.1 1.50	42.9 1.69	17.8 0.70	83 3.27		15.9 0.63	46 1.81	14 0.55	18 0.71	80.4 3.17	64 2.52	0.59 1.30	M12 1/2	WPPL206	SUC206-19FG1
1 1/4	MUCPPL206-20CCFG1	MUCPPL206-20C0FG1	162 6.38	119 4.69	38.1 1.50	42.9 1.69	17.8 0.70	83 3.27		15.9 0.63	46 1.81	14 0.55	18 0.71	80.4 3.17	64 2.52	0.59 1.30	M12 1/2	WPPL206	SUC206-20FG1
1 1/4	MUCPPL207-20CCFG1	MUCPPL207-20C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	18 0.71	94 3.70		17.5 0.69	48 1.89	14 0.55	18 0.71	89.7 3.53	74.6 2.94	0.85 1.87	M12 1/2	WPPL207	SUC207-20FG1
1 3/8	MUCPPL207-22CCFG1	MUCPPL207-22C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	18 0.71	94 3.70		17.5 0.69	48 1.89	14 0.55	18 0.71	89.7 3.53	74.6 2.94	0.85 1.87	M12 1/2	WPPL207	SUC207-22FG1
1 7/16	MUCPPL207-23CCFG1	MUCPPL207-23C0FG1	167 6.57	127 5.00	42.9 1.69	47.6 1.87	18 0.71	94 3.70		17.5 0.69	48 1.89	14 0.55	18 0.71	89.7 3.53	74.6 2.94	0.85 1.87	M12 1/2	WPPL207	SUC207-23FG1
1 1/2	MUCPPL208-24CCFG1	MUCPPL208-24C0FG1	184 7.24	137 5.39	49.2 1.94	49.2 1.94	19.5 0.77	98 3.86		19 0.75	54 2.13	14 0.55	18 0.71	103 4.06	84 3.31	1.05 2.31	M12 1/2	WPPL208	SUC208-24FG1



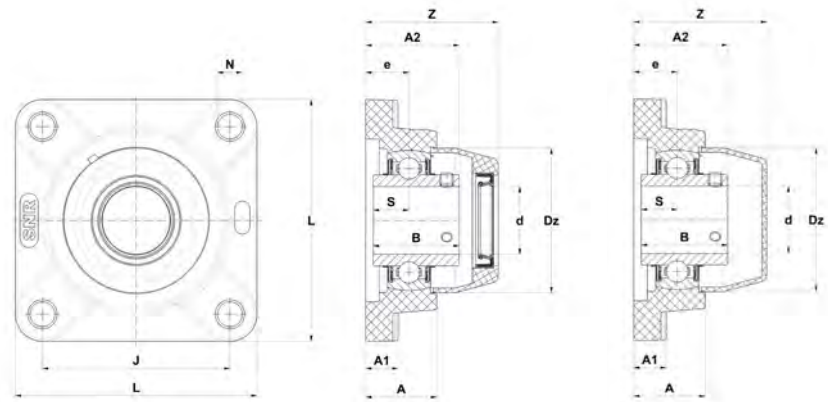
SENTINEL SERIES TAPPED BASE PILLOW BLOCK, THERMOPLASTIC										SENTINEL SERIES TAPPED BASE PILLOW BLOCK, THERMOPLASTIC (continued)									
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)						Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B1	H	H1	H2		S	A	A1	E	Z	Dz				
3/4	MUCTBL204-12CCFG1	MUCTBL204-12C0FG1	72.8 2.87	50.8 2.00	31 1.22	33.3 1.31	13 0.51	66 2.60		12.7 0.50	34.5 1.36	23.8 0.94	12 0.47	64.4 2.54	50.1 1.97	0.27 0.60	3/8-16 UNC-2B	WTBLI204	SUC204-12FG1
1	MUCTBL205-16CCFG1	MUCTBL205-16C0FG1	76.2 3.00	50.8 2.00	34.1 1.34	36.5 1.44	14 0.55	73.5 2.89		14.3 0.56	39.5 1.56	25.4 1.00	12 0.47	69.4 2.73	55 2.17	0.35 0.77	3/8-16 UNC-2B	WTBLI205	SUC205-16FG1
1 3/16	MUCTBL206-19CCFG1	MUCTBL206-19C0FG1	101 3.98	76.2 3.00	38.1 1.50	42.9 1.69	16 0.63	84 3.31		15.9 0.63	42.5 1.67	28 1.10	12 0.47	81.6 3.21	64 2.52	0.55 1.21	7/16-14 UNC-2B	WTBLI206	SUC206-19FG1
1 1/4	MUCTBL206-20CCFG1	MUCTBL206-20C0FG1	101 3.98	76.2 3.00	38.1 1.50	42.9 1.69	16 0.63	84 3.31		15.9 0.63	42.5 1.67	28 1.10	12 0.47	81.6 3.21	64 2.52	0.55 1.21	7/16-14 UNC-2B	WTBLI206	SUC206-20FG1
1 1/4	MUCTBL207-20CCFG1	MUCTBL207-20C0FG1	110 4.33	82.6 3.25	42.9 1.69	47.6 1.87	18.5 0.73	95 3.74		17.5 0.69	47.5 1.87	32.5 1.28	15.5 0.61	89.3 3.52	74.6 2.94	0.8 1.76	1/2-13 UNC -2B	WTBLI207	SUC207-20FG1
1 3/8	MUCTBL207-22CCFG1	MUCTBL207-22C0FG1	110 4.33	82.6 3.25	42.9 1.69	47.6 1.87	18.5 0.73	95 3.74		17.5 0.69	47.5 1.87	32.5 32.50	15.5 0.61	89.3 3.52	74.6 2.94	0.8 1.76	1/2-13 UNC -2B	WTBLI207	SUC207-22FG1
1 7/16	MUCTBL207-23CCFG1	MUCTBL207-23C0FG1	110 4.33	82.6 3.25	42.9 1.69	47.6 1.87	18.5 0.73	95 3.74		17.5 0.69	47.5 1.87	32.5 1.28	15.5 0.61	89.3 3.52	74.6 2.94	0.8 1.76	1/2-13 UNC -2B	WTBLI207	SUC207-23FG1
1 1/2	MUCTBL208-24CCFG1	MUCTBL208-24C0FG1	120 4.72	88.9 3.50	49.2 1.94	49.2 1.94	22.5 0.89	110.5 4.35		19 0.75	48 1.89	35 1.38	16 0.63	102.6 4.04	84 3.31	0.98 2.16	1/2-13 UNC -2B	WTBLI208	SUC208-24FG1



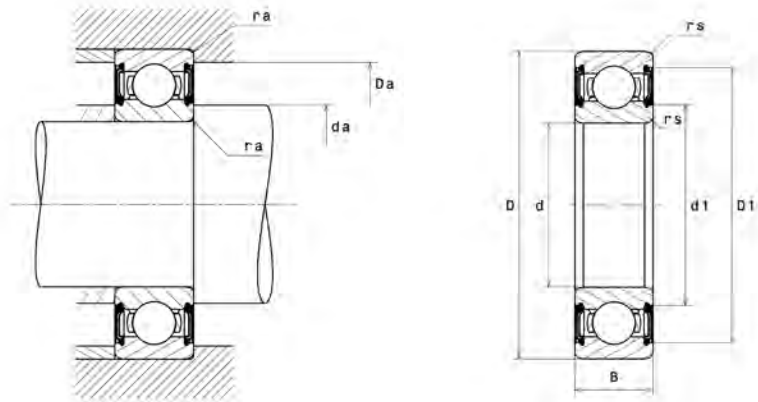
SENTINEL SERIES TWO-BOLT FLANGE, THERMOPLASTIC										SENTINEL SERIES TWO-BOLT FLANGE, THERMOPLASTIC (continued)									
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)						Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	H	B	e	S		A	A1	A2	N	Z	Dz				
3/4	MUCNFL204-12CCFG1	MUCNFL204-12C0FG1	65 2.55	90 3.54	113 4.45	31 1.22	15.4 0.61	12.7 0.50		26.5 1.04	90 3.54	33.7 1.33	11 0.43	46.8 1.84	50.1 1.97	0.26 0.57	M10 3/8	WNFL204	SUC204-12FG1
1	MUCNFL205-16CCFG1	MUCNFL205-16C0FG1	70 2.76	99 3.90	130 5.12	34.1 1.34	17 0.67	14.3 0.56		29.1 1.15	99 3.90	36.8 1.45	11 0.43	51.1 2.01	55.0 2.17	0.33 0.73	M10 3/8	WNFL205	SUC205-16FG1
1 3/16	MUCNFL206-19CCFG1	MUCNFL206-19C0FG1	80 3.15	117 4.61	148 5.83	38.1 1.50	19 0.75	15.9 0.63		30.5 1.20	117 4.61	41.2 1.62	11 0.43	57.5 2.26	64.0 2.52	0.48 1.06	M10 3/8	WNFL206	SUC206-19FG1
1 1/4	MUCNFL206-20CCFG1	MUCNFL206-20C0FG1	80 3.15	117 4.61	148 5.83	38.1 1.50	19 0.75	15.9 0.63		30.5 1.20	117 4.61	41.2 1.62	11 0.43	57.5 2.26	64.0 2.52	0.48 1.06	M10 3/8	WNFL206	SUC206-20FG1
1 1/4	MUCNFL207-20CCFG1	MUCNFL207-20C0FG1	90 3.54	130 5.12	163 6.42	42.9 1.69	18 0.71	17.5 0.69		32.8 1.29	130 5.12	43.4 1.71	13 0.51	61.6 2.43	74.6 2.94	0.7 1.54	M12 1/2	WNFL207	SUC207-20FG1
1 3/8	MUCNFL207-22CCFG1	MUCNFL207-22C0FG1	90 3.54	130 5.12	163 6.42	42.9 1.69	18 0.71	17.5 0.69		32.8 1.29	130 5.12	43.4 1.71	13 0.51	61.6 2.43	74.6 2.94	0.7 0.70	M12 1/2	WNFL207	SUC207-22FG1
1 7/16	MUCNFL207-23CCFG1	MUCNFL207-23C0FG1	90 3.54	130 5.12	163 6.42	42.9 1.69	18 0.71	17.5 0.69		32.8 1.29	130 5.12	43.4 1.71	13 0.51	61.6 2.43	74.6 2.94	0.7 1.54	M12 1/2	WNFL207	SUC207-23FG1
1 1/2	MUCNFL208-24CCFG1	MUCNFL208-24C0FG1	100 3.94	144 5.67	175 6.89	49.2 1.94	21.5 0.85	19 0.75		37.5 1.48	144 5.67	51.7 2.04	14 0.55	71 2.80	84.0 3.31	0.92 2.03	M12 1/2	WNFL208	SUC208-24FG1



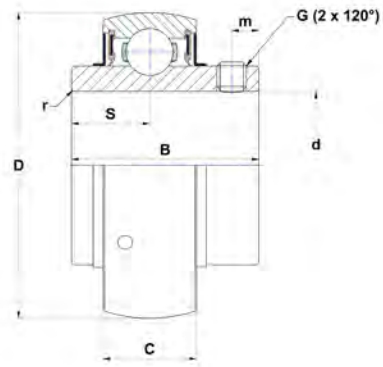
SENTINEL SERIES THREE-BOLT FLANGE, THERMOPLASTIC												SENTINEL SERIES THREE-BOLT FLANGE, THERMOPLASTIC (continued)											
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)									Nominal Dimensions (mm/inch)								Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	L1	J	J1	H	H1	H2	B		e	S	A	A1	A2	N	Z	Dz				
3/4	MUCFBL204-12CCFG1	MUCFBL204-12C0FG1	62 2.44	63.5 2.50	38 1.50	22.2 0.87	76.2 3.00	108 4.25	42.9 1.69	31 1.22		15.4 0.61	12.7 0.50	26.5 1.04	11.4 0.45	33.7 1.33	10.7 0.42	46.8 1.84	50 1.97	0.27 0.60	M10 7/16	FBL204	SUC204-12FG1
1	MUCFBL205-16CCFG1	MUCFBL205-16C0FG1	64 2.50	70 2.76	41 1.63	28.6 1.13	85.7 3.37	120.6 4.75	46 1.81	34.1 1.34		21.8 0.86	14.3 0.56	34 1.34	11.4 0.45	41.6 1.64	10.7 0.42	56.2 2.21	55 2.17	0.33 0.73	M10 3/8	FBL205	SUC205-16FG1
1 3/16	MUCFBL206-19CCFG1	MUCFBL206-19C0FG1	97 3.80	83 3.27	48 1.87	31.8 1.25	96.5 3.80	138.5 5.45	52.4 2.06	38.1 1.50		19.3 0.76	15.9 0.63	32 1.26	13.3 0.52	41.5 1.63	10.7 0.42	58.9 2.32	64 2.52	0.49 1.08	M10 3/8	FBL206	SUC206-19FG1
1 1/4	MUCFBL206-20CCFG1	MUCFBL206-20C0FG1	97 3.80	83 3.27	48 1.87	31.8 1.25	96.5 3.80	138.5 5.45	52.4 2.06	38.1 1.50		19.3 0.76	15.9 0.63	32 1.26	13.3 0.52	41.5 1.63	10.7 0.42	58.9 2.32	64 2.52	0.49 1.08	M10 3/8	FBL206	SUC206-20FG1
1 1/4	MUCFBL207-20CCFG1	MUCFBL207-20C0FG1	110 4.31	95 3.74	51 2.00	31.8 1.25	109.5 4.31	157 6.18	60.3 2.37	42.9 1.69		21.7 0.85	17.5 0.69	36.5 1.44	16.1 0.63	47.1 1.85	13.1 0.52	65.1 2.56	75 2.93	0.7 1.54	M12 1/2	FBL207	SUC207-20FG1
1 3/8	MUCFBL207-22CCFG1	MUCFBL207-22C0FG1	110 4.31	95 3.74	51 2.00	31.8 1.25	109.5 4.31	157 6.18	60.3 2.37	42.9 1.69		21.7 0.85	17.5 0.69	36.5 1.44	16.1 0.63	47.1 1.85	13.1 0.52	65.1 2.56	75 2.93	0.7 1.54	M12 1/2	FBL207	SUC207-22FG1
1 7/16	MUCFBL207-23CCFG1	MUCFBL207-23C0FG1	110 4.31	95 3.74	51 2.00	31.8 1.25	109.5 4.31	157 6.18	60.3 2.37	42.9 1.69		21.7 0.85	17.5 0.69	36.5 1.44	16.1 0.63	47.1 1.85	13.1 0.52	65.1 2.56	75 2.93	0.7 1.54	M12 1/2	FBL207	SUC207-23FG1
1 1/2	MUCFBL208-24CCFG1	MUCFBL208-24C0FG1	110 4.31	99 3.90	51 2.00	31.8 1.25	109.5 4.31	158.5 6.24	60.3 2.37	49.2 1.94		21.5 0.85	19 0.75	36 1.42	16 0.63	51.7 2.04	13.1 0.52	69.5 2.74	84 3.31	0.9 1.98	M12 1/2	FBL208	SUC208-24FG1



SENTINEL SERIES FOUR-BOLT FLANGE, THERMOPLASTIC										SENTINEL SERIES FOUR-BOLT FLANGE, THERMOPLASTIC (continued)								
Shaft Size d	Unit Part Number		Nominal Dimensions (mm/inch)							Nominal Dimensions (mm/inch)					Weight (kg/lbs)	Bolt Size (metric/inch)	Housing	Insert Part Number
	Closed Cover	Open Cover	L	J	B	e	S	A		A1	A2	N	Z	Dz				
¾	MUCFPL204-12CCFG1	MUCFPL204-12C0FG1	86 3.39	64 2.50	31 1.22	18 0.71	12.7 0.50	27.8 1.09		63.5 2.50	36.3 1.43	11 0.43	47.4 1.87	50.1 1.97	0.31 0.68	M10 ¾	WFPL204	SUC204-12FG1
1	MUCFPL205-16CCFG1	MUCFPL205-16C0FG1	95 3.74	70 2.76	34.1 1.34	17 0.67	14.3 0.56	28 1.10		70 2.76	36.8 1.45	11 0.43	50.1 1.97	55.0 2.17	0.39 0.86	M10 ¾	WFPL205	SUC205-16FG1
1 ⅜	MUCFPL206-19CCFG1	MUCFPL206-19C0FG1	107 4.21	83 3.27	38.1 1.50	19.2 0.76	15.9 0.63	31.5 1.24		83 3.27	41.4 1.63	11 0.43	58.7 2.31	64.0 2.52	0.53 1.17	M10 ¾	WFPL206	SUC206-19FG1
1 ¼	MUCFPL206-20CCFG1	MUCFPL206-20C0FG1	107 4.21	83 3.27	38.1 1.50	19.2 0.76	15.9 0.63	31.5 1.24		83 3.27	41.4 1.63	11 0.43	58.7 2.31	64.0 2.52	0.53 1.17	M10 ¾	WFPL206	SUC206-20FG1
1 ¼	MUCFPL207-20CCFG1	MUCFPL207-20C0FG1	118 4.65	92 3.62	42.9 1.69	21.5 0.85	17.5 0.69	34.8 1.37		92 3.62	46.9 1.85	13 0.51	63.6 2.50	74.6 2.94	0.78 1.72	M12 ½	WFPL207	SUC207-20FG1
1 ⅜	MUCFPL207-22CCFG1	MUCFPL207-22C0FG1	118 4.65	92 3.62	42.9 1.69	21.5 0.85	17.5 0.69	34.8 1.37		92 3.62	46.9 1.85	13 0.51	63.6 2.50	74.6 2.94	0.78 1.72	M12 ½	WFPL207	SUC207-22FG1
1 ⅞	MUCFPL207-23CCFG1	MUCFPL207-23C0FG1	118 4.65	92 3.62	42.9 1.69	21.5 0.85	17.5 0.69	34.8 1.37		92 3.62	46.9 1.85	13 0.51	63.6 2.50	74.6 2.94	0.78 1.72	M12 ½	WFPL207	SUC207-23FG1
1 ½	MUCFPL208-24CCFG1	MUCFPL208-24C0FG1	130 5.12	102 4.02	49.2 1.94	23 0.91	19 0.75	37.5 1.48		102 4.02	53.2 2.09	14 0.55	71 2.80	84.0 3.31	1.03 2.27	M12 ½	WFPL208	SUC208-24FG1



SENTINEL SERIES BALL BEARINGS												SENTINEL SERIES BALL BEARINGS (continued)				
Part Number	Nominal Dimension (mm/inch)					Abutment (mm/inch)						Factor	Dynamic Load Rating (kN/lbs)	Static Load Rating (kN)/(lbs)	Limiting Speed (rpm)	Mass (kg/lbs)
	d	D	B	d1	D1	rs min	da min	da max	Da max	ra max		f _o	C _r	C _o		
S6000 2RS FG1	10 0.3937	26 1.0236	8 0.3150	12.8 0.5039	22.8 0.8976	0.3 0.012	12.0 0.472	12.8 0.504	24.0 0.945	0.3 0.012		12.4	4.55 1020	1.97 440	11,100	0.02 0.04
S6001 2RS FG1	12 0.4724	28 1.1024	8 0.3150	16.3 0.6417	25.1 0.9882	0.3 0.012	14.0 0.551	16.3 0.642	26.0 1.024	0.3 0.012		13.2	5.10 1150	2.39 540	9,700	0.02 0.04
S6201 2RS FG1	12 0.4724	32 1.2598	10 0.3937	17.6 0.6929	28.0 1.1024	0.6 0.024	16.0 0.630	17.6 0.693	28.0 1.102	0.6 0.024		12.9	6.10 1370	2.80 630	8,800	0.04 0.09
S6002 2RS FG1	15 0.5907	32 1.2598	9 0.3543	19.3 0.7598	28.5 1.1220	0.3 0.012	17.0 0.669	19.3 0.760	30.0 1.181	0.3 0.012		13.9	5.50 1240	2.85 640	8,500	0.03 0.07
S6202 2RS FG1	15 0.5907	35 1.3780	11 0.4331	19.7 0.7756	30.5 1.2008	0.6 0.024	19.0 0.748	19.7 0.776	31.0 1.220	0.6 0.024		13.2	7.60 1710	3.75 840	7,800	0.04 0.09
S6003 2RS FG1	17 0.6693	35 1.3780	10 0.3937	21.3 0.8386	31.0 1.2205	0.3 0.012	19.0 0.748	21.3 0.839	33.0 1.299	0.3 0.012		14.5	5.90 1330	3.30 740	7,500	0.04 0.09
S6203 2RS FG1	17 0.6693	40 1.5748	12 0.4724	22.7 0.8937	35.3 1.3898	0.6 0.024	21.0 0.827	22.7 0.894	36.0 1.417	0.6 0.024		13.2	9.50 2140	4.80 1080	6,800	0.06 0.13
S6004 2RS FG1	20 0.7874	42 1.6535	12 0.4724	25.0 0.9842	37.0 1.4567	0.6 0.024	24.0 0.945	25.0 0.984	38.0 1.496	0.6 0.024		13.9	9.30 2090	5.10 1150	6,300	0.07 0.15
S6204 2RS FG1	20 0.7874	47 1.8504	14 0.5512	27.5 1.0827	41.6 1.6378	1.0 0.039	25.0 0.984	27.5 1.083	42.0 1.654	1.0 0.039		13.2	12.70 2860	6.70 1510	5,700	0.11 0.24
S6005 2RS FG1	25 0.9843	47 1.8504	12 0.4724	30.0 1.1811	42.0 1.6535	0.6 0.024	29.0 1.142	30.0 1.181	43.0 1.693	0.6 0.024		14.5	9.90 2230	5.90 1330	5,500	0.08 0.18
S6205 2RS FG1	25 0.9843	52 2.0472	15 0.5906	31.8 1.2520	46.8 1.8425	1.0 0.039	30.0 1.181	31.8 1.252	47.0 1.850	1.0 0.039		13.9	13.90 3130	7.90 1780	5,100	0.13 0.29
S6006 2RS FG1	30 1.1811	55 2.1654	13 0.5118	36.4 1.4331	49.9 1.9646	1.0 0.039	35.0 1.378	36.4 1.433	50.0 1.969	1.0 0.039		14.7	13.10 2950	8.30 1870	4,700	0.12 0.26
S6206 2RS FG1	30 1.1811	62 2.4409	16 0.6299	38.8 1.5276	54.4 2.1417	1.0 0.039	35.0 1.378	38.8 1.528	57.0 2.244	1.0 0.039		13.9	19.30 4340	11.30 2540	4,200	0.2 0.44
S6007 2RS FG1	35 1.3780	62 2.4409	14 0.5511	41.9 1.6496	55.9 2.2008	1.0 0.039	40.0 1.575	41.9 1.650	57.0 2.244	1.0 0.039		14.9	15.70 3530	10.30 2320	4,000	0.16 0.35
S6207 2RS FG1	35 1.3780	72 2.8346	17 0.6693	44.8 1.7638	62.8 2.4724	1.1 0.043	41.5 1.634	44.8 1.764	65.5 2.579	1.0 0.039		13.9	25.50 5730	15.40 3460	3,600	0.28 0.62



SENTINEL SERIES INSERT BEARINGS									SENTINEL SERIES INSERT BEARINGS (continued)					
Shaft Size d	Insert Part Number	Nominal Dimension (mm/inch)							Set Screw Size	Wrench Size	Dynamic load rating (kN/lbs)	Static load rating (kN/lbs)	Limiting Speed (rpm)	Weight (kg/lbs)
		D	B	C	S	m	r		G	SW	C _r	C _o		
³ / ₄	SUC204-12FG1	47 1.85	31 1.22	17 0.67	12.7 0.50	5 0.20	0.5 0.02		1/4-28UNF	¹ / ₈	10.1 2270	6.8 1530	5,900	0.16 0.35
1	SUC205-16FG1	52 2.05	34.1 1.34	17 0.67	14.3 0.56	5 0.20	0.5 0.02		1/4-28UNF	¹ / ₈	11.0 2470	8.0 1800	5,100	0.2 0.44
1 ³ / ₁₆	SUC206-19FG1	62 2.44	38.1 1.50	19 0.75	15.9 0.63	5 0.20	0.5 0.02		1/4-28UNF	¹ / ₈	15.3 3440	11.5 2590	4,300	0.32 0.71
1 ¹ / ₄	SUC206-20FG1	62 2.44	38.1 1.50	19 0.75	15.9 0.63	5 0.20	0.5 0.02		1/4-28UNF	¹ / ₈	15.3 3440	11.5 2590	4,300	0.32 0.71
1 ¹ / ₄	SUC207-20FG1	72 2.83	42.9 1.69	20 0.79	17.5 0.69	6 0.24	1.0 0.04		5/16-24UNF	⁵ / ₃₂	20.1 4520	15.6 3510	3,700	0.47 1.04
1 ³ / ₈	SUC207-22FG1	72 2.83	42.9 1.69	20 0.79	17.5 0.69	6 0.24	1.0 0.04		5/16-24UNF	⁵ / ₃₂	20.1 4520	15.6 3510	3,700	0.47 1.04
1 ⁷ / ₁₆	SUC207-23FG1	72 2.83	42.9 1.69	20 0.79	17.5 0.69	6 0.24	1.0 0.04		5/16-24UNF	⁵ / ₃₂	20.1 4520	15.6 3510	3,700	0.47 1.04
1 ¹ / ₂	SUC208-24FG1	80 3.15	49.2 1.94	21 0.83	19 0.75	8 0.31	1.0 0.04		5/16-24UNF	⁵ / ₃₂	22.8 5130	18.2 4090	3,300	0.63 1.39
1 ⁵ / ₈	SUC209-26FG1	85 3.35	49.2 1.94	22 0.87	19 0.75	8 0.31	1.0 0.04		5/16-24UNF	⁵ / ₃₂	25.7 5780	20.8 4680	3,100	0.69 1.52
1 ³ / ₄	SUC209-28FG1	85 3.35	49.2 1.94	22 0.87	19 0.75	8 0.31	1.0 0.04		5/16-24UNF	⁵ / ₃₂	25.7 5780	20.8 4680	3,100	0.69 1.52
1 ¹⁵ / ₁₆	SUC210-31FG1	90 3.54	51.6 2.03	24 0.94	19 0.75	10 0.39	1.0 0.04		3/8-24UNF	³ / ₁₆	27.5 6180	23.7 5330	2,900	0.77 1.70
2	SUC211-32FG1	100 3.94	55.6 2.19	25 0.98	22.2 0.87	10 0.39	1.0 0.04		3/8-24UNF	³ / ₁₆	34.0 7640	25.5 5730	2,400	1.06 2.34
2 ³ / ₁₆	SUC211-35FG1	100 3.94	55.6 2.19	25 0.98	22.2 0.87	10 0.39	1.0 0.04		3/8-24UNF	³ / ₁₆	34.0 7640	25.5 5730	2,400	1.06 2.34
2 ⁷ / ₁₆	SUC212-39FG1	110 4.33	65.1 2.56	27 1.06	25.4 1.00	10 0.39	1.0 0.04		3/8-24UNF	³ / ₁₆	41.0 9220	31.5 7080	1,900	1.47 3.24

Sentinel Series Installation Instructions

The following is the recommended procedure for assembly of the Sentinel Series bearing units.

- 1. Remove any burrs or damage on the shaft and mounting surface area.
- 2. Ensure the set screws are not protruding into the bore of the bearing.
- 3. Slide the bearing unit into position on the shaft. (Fig. 1)
- 4. Make sure the supporting mounting area for the housing is rigid and the surface where the unit is going to be mounted is clean and flat. (Fig. 2)
- 5. Position the housing and tighten the mounting bolts. (Depending on the application, steps 5 and 6 may be reversed)
- 6. Using the maximum torque settings for the set screws provided, tighten the set screws evenly onto the shaft. (Fig. 3)
- 7. Install covers, if desired, with dead blow hammer by tapping the cover all the way around the edge until it is firmly in place. (Fig. 4)



Fig. 1



Fig. 2

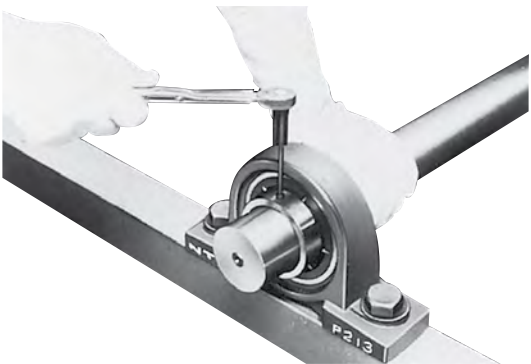


Fig. 3

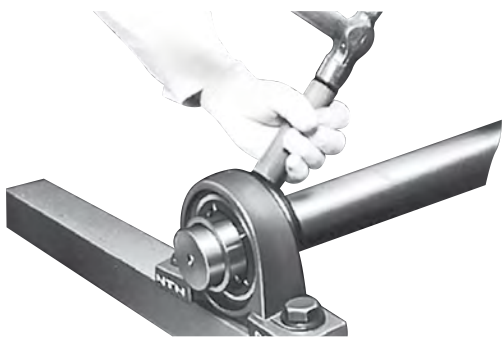


Fig. 4

Sentinel Series Installation Instructions

SETSCREW TIGHTENING TORQUE				
Unit Size	Metric Series		Inch Series	
	Set Screw Designation	Tightening Torque MAX (N-m)	Set Screw Designation	Tightening Torque MAX (in-lb)
201 to 205	M5X0.8X7	3.9	#10-32UNF	34
206	M6X0.75X8	4.9	1/4-28UNF	43
207	M6X0.75X8	5.8	1/4-28UNF	52
208 to 210	M8X1X10	7.8	5/16-24UNF	69
211	M8X1X10	9.8	5/16-24UNF	86
212	M10X1.25X12	16.6	3/8-24UNF	147
213 to 215	M10X1.25X12	19.6	3/8-24UNF	173
216	M10X1.25X12	22.5	3/8-24UNF	199
217 to 218	M12X1.5X13	29.4	1/2-20UNF	260

TIGHTENING TORQUE BY BOLT SIZE			
Mounting Bolt Size (metric)	Tightening Torque MAX (N-m)	Mounting Bolt Size (inch)	Tightening Torque MAX (in-lb)
M5X0.8	3.0	1/4"	45
M6X1	5.1	5/16"	106
M8X1.25	12.0	3/8"	150
M10X1.5	24.0	7/16"	212
M12X1.75	41.0	1/2"	362
M14X2	66.0	9/16"	584
M16X2	101.0	5/8"	893
M18X2.5	141.0	11/16"	1247
M20X2.5	196.0	3/4"	1734

FOR THERMOPLASTIC TYPE				
Housing Size	Mounting Bolt Size	Tightening Torque MAX (N-m)	Mounting Bolt Size (inch)	Tightening Torque MAX (in-lb)
204	M10	17.7	3/8"	156
205	M10	24.5	3/8"	216
206	M12	29.4	1/2"	260
207	M12	35.3	1/2"	312
208	M12	45.1	1/2"	400

Sentinel Series Components

SENTINEL SERIES COVERS, STAINLESS STEEL							
Housing Series	Part Number	Cap Type	Shaft Size	Diameter of Cover (mm/inch)	Cover Width (mm/inch)	Weight (kg/lbs)	
204	SCC204	Closed Cover		54 2.13	14.3 0.56	0.03 0.07	
205	SCC205	Closed Cover		60 2.36	15.4 0.61	0.04 0.09	
206	SCC206	Closed Cover		70 2.76	16.9 0.67	0.05 0.11	
207	SCC207	Closed Cover		80 3.15	18.7 0.74	0.06 0.13	
208	SCC208	Closed Cover		88 3.46	22.9 0.90	0.08 0.18	
209	SCC209	Closed Cover		95 3.74	22.9 0.90	0.09 0.20	
210	SCC210	Closed Cover		100 3.94	25.8 1.02	0.12 0.26	
211	SCC211	Closed Cover		110 4.33	25.1 0.99	0.14 0.31	
212	SCC212	Closed Cover		120 4.72	30.4 1.20	0.18 0.40	
204	SCOU204-12	Open Cover	3/4	54 2.13	14.3 0.56	0.03 0.07	
205	SCOU205-16	Open Cover	1	60 2.36	15.4 0.61	0.03 0.07	
206	SCOU206-19	Open Cover	1 3/16	70 2.76	16.9 0.67	0.04 0.09	
206	SCOU206-20	Open Cover	1 1/4	70 2.76	16.9 0.67	0.04 0.09	
207	SCOU207-20	Open Cover	1 1/4	80 3.15	18.7 0.74	0.05 0.11	
207	SCOU207-22	Open Cover	1 3/8	80 3.15	18.7 0.74	0.05 0.11	
207	SCOU207-23	Open Cover	1 7/16	80 3.15	18.7 0.74	0.05 0.11	
208	SCOU208-24	Open Cover	1 1/2	88 3.46	22.9 0.90	0.07 0.15	
209	SCOU209-26	Open Cover	1 5/8	95 3.74	22.9 0.90	0.08 0.18	
209	SCOU209-28	Open Cover	1 3/4	95 3.74	22.9 0.90	0.08 0.18	
210	SCOU210-31	Open Cover	1 15/16	100 3.94	25.8 1.02	0.10 0.22	
211	SCOU211-32	Open Cover	2	110 4.33	25.1 0.99	0.11 0.24	
211	SCOU211-35	Open Cover	2 3/16	110 4.33	25.1 0.99	0.11 0.24	
212	SCOU212-39	Open Cover	2 7/16	120 4.72	30.4 1.20	0.14 0.31	

Sentinel Series Components

SENTINEL SERIES COVERS, THERMOPLASTIC							
Housing Series	Part Number	Cap Type	Shaft Size	Diameter of Cover (mm/inch)	Cover Width (mm/inch)	Weight (kg/lbs)	
204	CV20	Open Cover	3/4"	50.1 1.97	23 0.91	0.016 0.04	
205	CV25	Open Cover	1"	55 2.17	25 0.98	0.025 0.06	
206	CV30	Open Cover	1 3/16" 1 1/4"	64 2.52	30 1.18	0.031 0.07	
207	CV35	Open Cover	1 1/4" 1 3/8" 1 7/16"	74.6 2.94	32 1.26	0.043 0.09	
208	CV40	Open Cover	1 1/2"	84 3.31	37 1.46	0.054 0.12	
204	CF20	Closed Cover		50.1 1.97	23 0.91	0.011 0.02	
205	CF25	Closed Cover		55 2.17	25 0.98	0.016 0.04	
206	CF30	Closed Cover		64 2.52	30 1.18	0.021 0.05	
207	CF35	Closed Cover		74.6 2.94	32 1.26	0.028 0.06	
208	CF40	Closed Cover		84 3.31	37 1.46	0.032 0.07	

Sentinel Series Engineering

What is Food-Grade Solid Lube?

Food-grade solid lube is a polymer impregnated with food-safe oil. In solid lube, oil is stored in a porous solid material that acts like a sponge that releases the necessary amount of base oil to lubricate the components as the bearing rotates.

Why Solid Lube?

Permanently Lubricated For Longer Life

NTN Sentinel Series’ food-grade solid lube creates a permanent state of lubrication that leads to longer bearing life. Additionally, because Sentinel Series bearing cavities are 100% filled, there are no extra voids where contamination and foreign matter might enter the bearing.

Washdown Friendly

Frequent high-pressure washdowns ensure food products remain safe and free from contaminants, but they wreak havoc on standard food-grade grease. That is why Sentinel Series uses FDA compliant, H1 solid lubricant that cannot be washed out of the bearing.

No Grease Leakage

Lubricant leakage generally causes excessive wear or overheating in the bearing. In addition, grease leakage attracts dust and dirt around the bearing unit, leading to premature failures and possible food product contamination. With Sentinel Series, our solid lubricant and unique seal and slinger design eliminate the possibility for lubricant leakage.

Temperature Limits

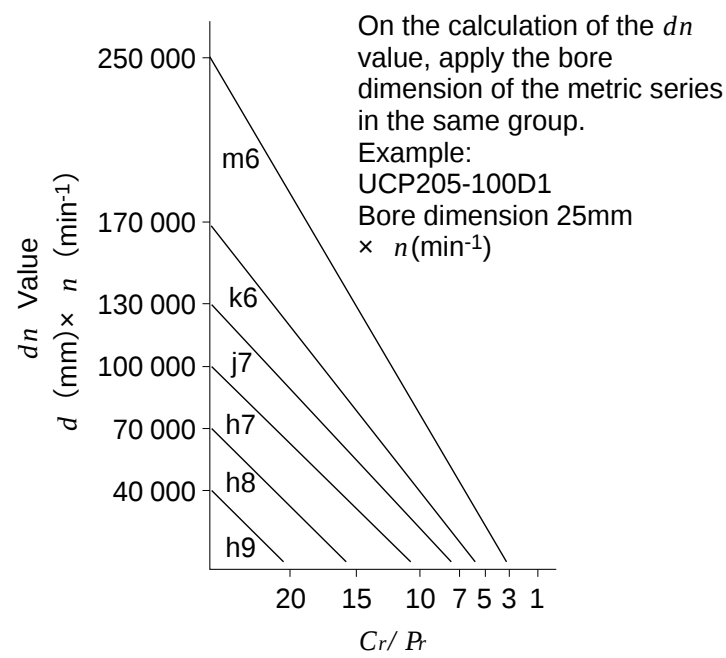
All Sentinel Series bearings come pre-lubricated with a FDA complaint, H1 food-grade solid lube with a 100% fill that are operable in a temperature range of 14°F (-10°C) to 212°F (100°C).

Speed Limitations

Insert Series	Solid Lube - Speed Limits vs Shaft Fitting (rpm)			
	j7	h7	h8	h9
204	5900	4800	3400	1200
205	5100	4000	3000	1000
206	4300	3400	2400	850
207	3700	3000	2000	750
208	3300	2600	1900	670
209	3100	2400	1700	600
210	2900	2200	1600	560
211	2400	1800	1300	450
212	1900	1600	1000	400

Sentinel Series Engineering

Shaft Tolerances



ISO Tolerances Shaft Tolerances (units mm)															
Nominal Diameter (mm)		h7		h8		h9		j7		js7		k6		m6	
over	inc.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	0	-12	0	-18	0	-30	+8	-4	+6	-6	+9	+1	+12	+4
6	10	0	-15	0	-22	0	-36	+10	-5	+7.5	-7.5	+10	+1	+15	+6
10	18	0	-18	0	-27	0	-43	+12	-6	+9	-9	+12	+1	+18	+7
18	30	0	-21	0	-33	0	-52	+13	-8	+10.5	-10.5	+15	+2	+21	+8
30	50	0	-25	0	-39	0	-62	+15	-10	+12.5	-12.5	+18	+2	+25	+9
50	80	0	-30	0	-46	0	-74	+18	-12	+15	-15	+21	+2	+30	+11
80	120	0	-35	0	-54	0	-87	+20	-15	+17.5	-17.5	+25	+3	+35	+13
120	180	0	-40	0	-63	0	-100	+22	-18	+20	-20	+28	+3	+40	+15



Since 1918, NTN has been a trusted OE manufacturer of high-performing bearing products that increase productivity and efficiency.

- NTN has been the world's broad-line bearing manufacturer for nearly 100 years.
- NTN has the largest bearing manufacturing footprint in the United States.
- NTN is the largest supplier of American-made products to the construction and mining industries.
- NTN is a major supplier to over two-thirds of the world's "Fortune 500" manufacturing companies.
- More cars worldwide ride on NTN bearings and drivetrains than any other manufacturer's product.



- ◀ NTN was the first bearing manufacturer to be awarded the prestigious Deming Prize for recognition of its quality products and systems.

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