

MARK "S" OR "SPS"
ADD "C" FOR
STAINLESS MATERIAL
LOCATION OPTIONAL
AS SHOWN. MULTIPLE
STAMPING PERMISSIBLE
SEE NOTE 9

COUNTERSINK,
COUNTERBORE
OR RADIUS RELIEVE
THREADS WITHIN THE
LIMITS OF ØP

EITHER STYLE TO BE SUPPLIED
AT SPS' OPTION

TYPE	DASH NUMBER	THREADS SEE NOTE A	ØB MIN	C MIN	H MAX	ØP MAX	S MIN	W		PROOF LOAD - kN			WEIGHT APPROX g/100 SEE NOTE B
								MAX	MIN	STEEL CLASS 8 SEE NOTE C	STEEL CLASS 10 SEE NOTE C	STAINLESS STEEL	
MFK	M3560 M3535	M3.5 X 0.60 M3.5 X 0.35	5.81	6.64	4.2	4.3	1.94	6.0	5.88	4.51 5.29	5.21 6.11	4.51 5.29	56.9
MFK	M407 M405	M4 X 0.70 M4 X 0.50	6.80	7.74	4.7	4.8	2.00	7.0	6.85	5.84 6.54	6.74 7.56	5.84 6.54	85.2
MFK	M508 M505	M5 X 0.80 M5 X 0.50	7.80	8.87	5.6	6.0	2.66	8.0	7.85	10.4 11.9	10.9 12.5	10.4 11.9	127
MFK	M610 M6075	M6 X 1.00 M6 X 0.75	9.79	11.05	5.7	7.0	2.17	10.0	9.78	14.7 16.2	15.5 17.0	14.7 16.2	196
MFK	M8125 M810	M8 X 1.25 M8 X 1.00	12.77	14.38	7.2	9.0	2.58	13.0	12.73	19.3 20.7	20.3 21.8	19.3 20.7	420
MFK	M1015 M1012	M10 X 1.50 M10 X 1.25	16.76	18.90	8.7	11.0	3.41	17.0	16.73	30.6 32.4	32.2 34.0	30.6 32.4	848
MFK	M1217 M1212	M12 X 1.75 M12 X 1.25	18.75	21.10	10.1	13.0	3.93	19.0	18.67	47.4 48.8	49.8 51.3	47.4 48.8	1224
MFK	M1420 M1415	M14 X 2.0 M14 X 1.5	21.74	24.49	11.5	15.0	4.44	22.0	21.67	61.0 66.1	64.1 69.4	61.0 66.1	1905
MFK	M1620 M1615	M16 X 2.0 M16 X 1.5	23.73	26.75	12.8	17.0	5.31	24.0	23.67	83.0 88.8	87.1 93.3	83.0 88.8	2480
MFK	M1825 M1815	M18 X 2.5 M18 X 1.5	26.76	30.14	14.2	19.0	5.40	27.0	26.67	98.4 105	112 121	98.4 105	3350
MFK	M2025 M2015	M20 X 2.5 M20 X 1.5	29.72	33.53	15.5	21.0	6.25	30.0	29.67	125 132	143 152	125 132	4590
MFK	M2225 M2215	M22 X 2.5 M22 X 1.5	31.71	35.72	16.7	23.0	6.73	32.0	31.61	154 163	176 186	154 163	5670
MFK	M2430 M2420	M24 X 3.0 M24 X 2.0	35.71	39.98	18.0	25.0	6.93	36.0	35.38	171 188	196 215	171 188	7630
MFK	M2730 M2720	M27 X 3.0 M27 X 2.0	40.70	45.63	18.3	28.0	6.65	41.0	40.38	224 242	256 277	224 242	10000
MFK	M3055 M3020	M30 X 3.5 M30 X 2.0	45.69	51.28	20.0	31.0	6.45	46.0	45.38	273 303	312 347	273 303	13400
MFK	M3335 M3320	M33 X 3.5 M33 X 2.0	49.68	55.80	21.7	34.0	7.72	50.0	49.38	338 372	386 426	338 372	17300
MFK	M3640 M3630	M36 X 4.0 M36 X 3.0	54.67	61.31	23.3	37.0	7.61	55.0	54.26	397 422	455 483	397 422	21700
MFK	M3940 M3930	M39 X 4.0 M39 X 3.0	59.67	66.96	24.9	40.0	8.40	60.0	59.26	475 502	544 574	475 502	28300

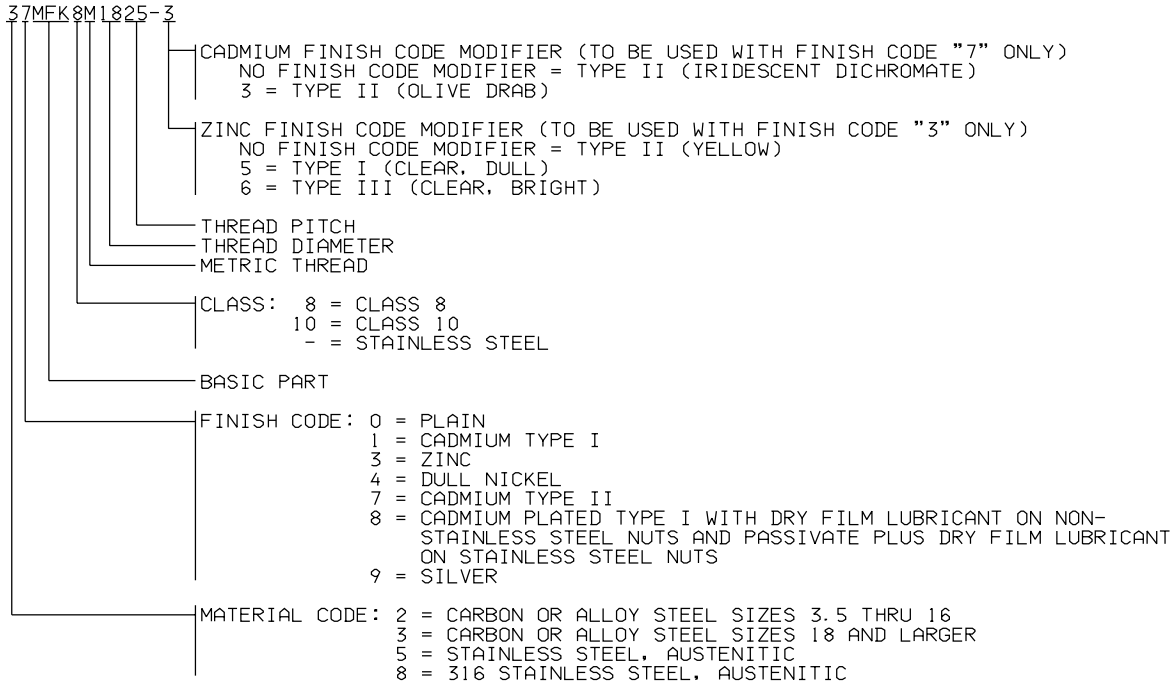
- A) THREADS BEFORE LUBRICATION PER ISO R 965/II CLASS 6H.
- B) WEIGHTS APPLY TO STEEL NUTS ONLY.
- C) CLASS REFERS TO HEAT TREAT NOT ULTIMATE TENSILE STRENGTH LEVEL.

INFORMATION ON THIS DOCUMENT IS A TRADE SECRET, PROPRIETARY, AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SPS TECHNOLOGIES.

TOLERANCES ±.010 AND ±2" SURFACE ROUGHNESS 125 UNLESS OTHERWISE NOTED DRAWN BY: STEVE FOSTER APPROVED: M ZATAVESKI APPROVED: M LAWLER	THIS PRODUCT DRAWING IS DRAFTED IN ACCORDANCE WITH ASME Y14.5M DATE: 8/29/94 DATE: 4/25/2000	SPS TECHNOLOGIES	FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	STANDARDS AND SPECIFICATIONS ISO 2320 EXCEPT AS NOTED PART NUMBER: MFK SHEET 1 OF 2
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1. MATERIAL: CARBON OR ALLOY STEEL.
STAINLESS STEEL, AUSTENITIC.
316 STAINLESS STEEL, AUSTENITIC.
2. HARDNESS: CARBON OR ALLOY STEEL - CLASS 8, 30 HRC MAX. CLASS 10, 26-36 HRC.
3. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE I, CLASS 2 (CARBON OR ALLOY STEEL ONLY).
CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2 (CARBON OR ALLOY STEEL ONLY).
SILVER PLATE PER AMS 2410 (STAINLESS STEEL ONLY).
ZINC PLATE PER ASTM B633, TYPE DEFINED BY FINISH CODE MODIFIER (CARBON OR ALLOY STEEL ONLY).
DULL NICKEL PLATE PER AMS 2403 (CARBON OR ALLOY STEEL ONLY).
PLAIN, (CARBON AND ALLOY STEEL PARTS WILL BE SUPPLIED WITH A RUST PREVENTATIVE OIL, AND STAINLESS STEEL PARTS WILL BE PASSIVATED)
4. LUBRICANT: UNLESS OTHERWISE SPECIFIED, PARTS SHALL BE SUPPLIED WITH A NON-DRY LUBRICANT (WAX TYPE) AND WHEN SPECIFIED, MOLYBDENUM DISULFIDE DRY FILM LUBRICANT APPROVED PER NASM25027.
5. LOCKING TORQUE PER ISO 2320 EXCEPT CLAMP LOADS PROPORTIONED TO THE PROOF LOADS LISTED IN THE TABULATION. REUSABILITY NOT REQUIRED ON UNPLATED STAINLESS STEEL NUTS AND LIMITED TO FIVE REUSE CYCLES ON UNPLATED DRY FILM LUBRICATED STAINLESS STEEL NUTS.
6. DIMENSIONS SHALL BE MET PRIOR TO LUBRICATION ON DRY FILM LUBRICATED NUTS.
7. DIMENSIONS ARE IN MILLIMETERS.
8. BREAK SHARP EDGES.
9. MARKING: CLASS 8: MARK WITH "S" OR "SPS"
CLASS 10: MARK WITH "S" OR "SPS" FOLLOWED BY "10"
STAINLESS: MARK WITH "S" OR "SPS" FOLLOWED BY A "C"
LOCATION OPTIONAL AS SHOWN
MARKING ON M5 AND SMALLER MAY BE OMITTED

10. PART MARKING SYSTEM:



EXAMPLE: 21MFK8M1620 = 16MM DIAMETER X 2.0MM PITCH, SELF-LOCKING METRIC NUT, STEEL, TYPE I CADMIUM PLATE, CLASS 8.

59MFK-M1212 = 12MM DIAMETER X 1.25MM PITCH, SELF-LOCKING METRIC NUT, STAINLESS, SILVER PLATE.

PART NUMBERS OTHER THAN LISTED ON THIS DRAWING SHALL NOT BE USED.