



THE STRESS LISTED IN THE TABLE IS THE MINIMUM ULTIMATE TENSILE STRENGTH OF THE BOLT.
THE INDICATED LOAD LISTED IN IS 80% OF THE YIELD STRENGTH OF AN ALLOY STEEL BOLT.

SPS PART NUMBER	NOMINAL BOLT SIZE	ØA	ØB MIN	H MIN AFTER LOADING	W MAX BEFORE LOADING	260 KSI	
						INDICATED LOAD IN POUNDS	
						MAXIMUM	MINIMUM
73966-3. 25-3. 4	. 206	. 365	. 207	. 188	. 228	3, 740	3, 060
73966-4. 25-6. 3	. 266	. 491	. 267	. 198	. 240	6, 930	5, 670
73966-5. 25-10. 1	. 328	. 616	. 330	. 208	. 252	11, 110	9, 090
73966-6. 25-15. 6	. 391	. 750	. 392	. 247	. 296	17, 160	14, 040
73966-7. 25-21. 0	. 453	. 873	. 455	. 258	. 309	23, 100	18, 900
73966-8. 25-28. 5	. 516	1. 005	. 517	. 268	. 321	31, 350	25, 650
73966-9. 25-36. 3	. 578	1. 139	. 580	. 279	. 333	39, 930	32, 670
73966-10. 25-46. 0	. 641	1. 255	. 643	. 289	. 345	50, 600	41, 400
73966-12. 25-67. 3	. 766	1. 523	. 768	. 312	. 372	74, 030	60, 570
73966-14. 25-92. 0	. 891	1. 780	. 893	. 333	. 396	101, 200	82, 800
73966-16. 25-123. 5	1. 016	2. 050	1. 018	. 409	. 488	135, 850	111, 150
73962-18. 25-155. 2	1. 141	2. 295	1. 143	. 432	. 514	170, 720	139, 680

THESE LOADS ARE ESTABLISHED BY A BENCHMARK AXIAL STATIC TEST. IN APPLICATIONS WHERE PRELOAD IS TORQUE INDUCED THE ACTUAL PRELOAD MAY BE LESS THAN THE INDICATED LOAD LISTED ON THE DRAWING. PRELOAD SCATTER USING PLI'S CAN BE REDUCED TO ±10%.

- MATERIAL: ALLOY STEEL.
- FINISH: CADMIUM PLATE INTEGRAL PARTS PER QQ-P-416, TYPE II, CLASS 3.
- PART NUMBER: 73966-()-()
 SECOND DASH NUMBER = MEAN PRELOAD IN THOUSANDS OF POUNDS.
 FIRST DASH NUMBER = NOMINAL BOLT DIAMETER IN SIXTEENTHS.

EXAMPLE: 73966-6. 25-15. 6 = ASSEMBLY TO BE USED WITH Ø. 391 BOLT (6. 25/16) PRELOAD INDICATED AT 15, 600 LBS. (15. 6 X 1, 000)

- RINGS ARE COLOR CODED FOR LOAD LEVEL IDENTIFICATION: 260 KSI RINGS - VIOLET.
- CARBOWAX . 437 AND LARGER INNER RINGS.
- DIMENSIONS ARE IN INCHES.

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	THIS PRODUCT DRAWING IS DRAFTED IN ACCORDANCE WITH ASME Y14. 5M	SPS TECHNOLOGIES	FSCM NO. 56878	STANDARDS AND SPECIFICATIONS SPS-W-150
DRAWN BY: STEVE FOSTER APPROVED: R. LANDT APPROVED: S. FOSTER	DATE: 5/17/99 DATE: 6/22/99		TITLE PRELOAD INDICATING WASHER ASSEMBLY 260 KSI MINIMUM, FOR USE UNDER NUT . 016 OVERSIZE	CUSTODIAN: JENKINTOWN, PA.