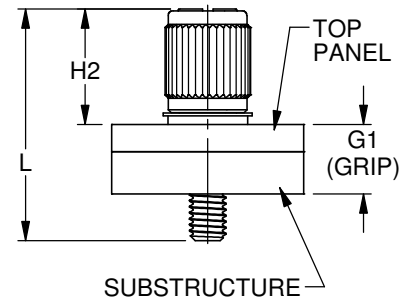


THREAD SIZE CODE	Ø D	H	(H1)	H2	J	Ø M ±.005	Ø N ±.005	Ø P +.004 - .001	Ø Q	Ø S	Ø T	W
4	.325	.373	.663	.438	.265	.177	.206	.185	.309	.250	.390	.040
6	.356	.385	.690	.440	.280	.202	.241	.209	.333	.272	.406	.044
8	.420	.495	.905	.565	.385	.215	.258	.223	.385	.281	.468	.049
10	.451	.520	.972	.590	.427	.250	.297	.257	.415	.316	.500	.055
12	.531	.530	.990	.615	.428	.313	.371	.323	.495	.386	.578	.062



PART NUMBER CALLOUT

FRBHCWW (3) 7500 - () - () - ()

MODEL

SERIES

WAVY WASHER
SEE
S-2117

LENGTH CODE	4	6	8	10	12
	L +.025 -.015	L +.025 -.015	L +.025 -.015	L +.025 -.015	L +.025 -.015
1	.639	.650	.685	.832	.745
2	.764	.775	.810	.957	.870
3	.889	.900	.935	1.082	.995
4	1.014	1.025	1.060	1.207	1.120
5	1.139	1.150	1.185	1.332	1.245

THREAD SIZE CODE	THREAD SIZE PER ASME B1.1	LEAD
4	.112-40 UNC-3A	SINGLE
6	.138-32 UNC-3A	
8	.164-32 UNC-3A	
10	.190-32 UNF-3A	
12	.250-28 UNF-3A	

GRIP CODE	G (TOP PANEL GRIP THICKNESS)		K ±.005	GRIP CODE	G1 (GRIP)
A	.020-.031		.125	1	.062 - .187
B	.032-.093		.187	2	.188 - .312
C	.094-.155		.250	3	.313 - .437
D	.156-.217		.312	4	.438 - .562
E	.218-.279		.375	5	.563 - .687
F	.280-.341		.437		

INSTALLATION TOOLS:

() INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-(),
REMOVAL NOSE ADAPTER WFRN7505-(),
NOSE PIECE WFN7505-(),
HAND TOOL H7503-()

NOTES:

1 LETTERS AT THE END OF PART NUMBER DESIGNATE SPECIAL ASSEMBLIES:
DL - ASSEMBLIES WITH DRI LUBE THREADS PER MIL-PRF-46010
PL - ASSEMBLIES WITH PATCH LOCK PER MIL-DTL-18240

2 FOR INTERMEDIATE LENGTHS, ADD .062 TO PREVIOUS LENGTH CODE.

A

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A PER DCN 10196, REVISED MATERIAL SPECIFICATIONS AND FORMAT PER CURRENT STANDARDS FORMAT

DIMENSIONS IN INCHES
TOLERANCE UNLESS OTHERWISE NOTED:

.X = ±.05
.XX = ±.02
.XXX = ±.015
ANGLES ±0.5°

DRAWN BY J. SCHLOBOHM SIGNER INITIALS
CHECKED BY J. CALLAWAY

FRBHCWW(3)7500
S-2642

ISSUED 4/21/1977
REVISED 10/27/2011
PAGE 1 OF 2

TURN-LOC®, ALL SIZES, LOCKING,
FLOATING, .031 RADIAL FLOAT, ALL CRES



MATERIAL

STUD: A-286 CRES PER AMS 5737, HEAT TREAT
TO 160 KSI MIN. ULTIMATE TENSILE STRENGTH
KNOB: 303Se CRES PER AMS QQ-S-764, OR AMS 5641, OR EQUIVALENT
SLEEVE: 304 CRES PER AMS QQ-S-763 OR AMS 5639
SPRING: 302 CRES PER ASTM-A313 OR AMS 5688
BEARING WASHER: A-286 CRES PER AMS 5737, AMS 5525, OR EQUIVALENT
HEAT TREAT TO 140 KSI MIN. ULTIMATE TENSILE STRENGTH
WASHER: 301 CRES PER ASTM A 666, OR AMS 5519, OR EQUIVALENT
WAVY WASHER: 17-7 PH STEEL PER AMS 5528 OR AMS 5529

FINISH

ALL COMPONENTS: PASSIVATE PER AMS2700 AND AMS-QQ-P-35

AVAILABILITY TABLE

GRIP CODE	4					6					8					10					12									
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5					
A											O																			
B	O					O					O										O									
C	O					O					O	O				O					O									
D	O					O					O	O				O					O	O								
E	O	O				O	O				O	O	O			O	O				O	O								
F	O	O	O			O	O				O	O	O			O	O				O	O	O							

- ASSEMBLIES NOT AVAILABLE
- FULLY RETRACTABLE ASSEMBLIES
- ASSEMBLIES NOT FULLY RETRACTABLE (STUD WILL PROTRUDE BELOW MINIMUM TOP PANEL THICKNESS)

A

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A	PER DCN 10196, REVISED MATERIAL SPECIFICATIONS AND FORMAT PER CURRENT STANDARDS FORMAT		DIMENSIONS IN INCHES TOLERANCE UNLESS OTHERWISE NOTED: .X = ±.05 .XX = ±.02 .XXX = ±.015 ANGLES ±0.5°	DRAWN BY	J. SCHLOBOHM	SIGNER INITIALS
	ISSUED	4/21/1977		CHECKED BY	J. CALLAWAY	
	REVISED	10/27/2011		FRBHCWW(3)7500		
PAGE	2 OF 2		TURN-LOC®, ALL SIZES, LOCKING, FLOATING, .031 RADIAL FLOAT, ALL CRES		S-2642	