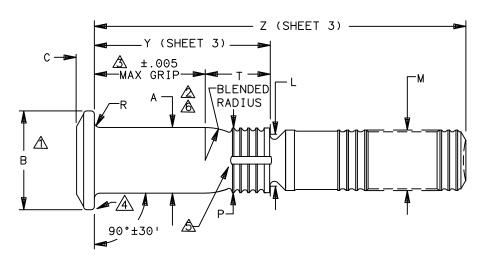
Howmet Fastening Systems Carson Operations 900 E. Watson Center Road Carson, California 90745 U.S.A.

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Phone +33-1-30.27.95.00 Fax +33-1-34.66.06.00 LGP<sup>®</sup> ENGINEERING STANDARD



LGP PIN FAMILY NUMBER	NOM SIZE	A SHANK DIA	B HEAD DIA ±.005	C HEAD HEIGHT		L REF	M MAX	P DIA MAX	R RAD ±.005	s À	T REF
(H)LGPL2SPEB05()()	.1640	.1635 .1630	. 250	.048	. 038	. 126	.156	. 156	.020	.0045	. 170
(H)LGPL2SPEB06()()	. 1900	. 1895 . 1890	. 294	. 057	. 047	. 150	. 184	. 184	.020	.0045	. 172
(H)LGPL2SPEB07()()	.2187	.2182 .2177	. 335	.064	. 054	. 173	.213	.213	.020	.0045	. 230
(H)LGPL2SPEB08()()	. 2500	.2495 .2490	. 376	.071	. 061	. 187	.244	.244	.020	.0045	. 230

△ CONCENTRICITY: CONICAL SURFACE OF PROTRUDING HEAD TO "A" DIAMETER TO BE WITHIN .005 TIR.

A SHANK STRAIGHTNESS: WITHIN "S" VALUES TIR PER INCH OF SHANK LENGTH.

MAX GRIP IS MEASURED FROM THE UNDERSIDE OF THE HEAD TO THE END OF THE FULL CYLINDRICAL PORTION OF THE SHANK.

A PERMISSIBLE NATURAL FLOW OF MATERIAL. MUST BE FREE FROM SHARP CORNERS.

"V" OR "U" SHAPED SEALANT ESCAPE GROOVE MAY BE FORMED BY ROLLING, MILLING OR SAW FULL CUTTING. THE GROOVE MAY BE STRAIGHT (MILLED OR CUT) OR ON ANGLE (ROLLED) MANUFACTURER'S OPTION.

UNDERFILL PERMISSIBLE, MUST BE WITHIN "A" DIAMETER WHEN MEASURED WITH A STANDARD 1/4" (6,35 MM) DIAMETER MICROMETER.

MATERIAL: 7050-T73 ALUMINUM ALLOY PER QQ-A-430.

SHEAR STRENGTH: 41 TO 47 KSI.

SURFACE TEXTURE: Ra MAX PER ANSI-46.1 BEFORE COATING. BEARING SURFACE OF HEAD,

HEAD TO SHANK FILLET RADIUS, SHANK AND TRANSITION RADIUS, -32,

OTHER SURFACES -125.

DIMENSIONS IN INCHES

PROCUREMENT SPECIFICATION: C2027 ©1991-2021 HUCK INTERNATIONAL, INC., ALL RIGHTS RESERVED.

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DRAWN BY DLH FSCM (Cage Code) 17446 - Carson FSCM (Cage Code) F6167 - France

1 1 REVISED COMPANY LOGO & UPDATED TRADEMARK INFORMATION.(REF. ECR2779)

ISSUED	04/04/91	PIN. LIGHTWEIGHT GROOVE PROPORTIONED	(H)LGPL2SPEB()()()
REVISED	08/12/21	SHEAR PROTRUDING HEAD, SWAGE LOCKING,	(H)LGFLZ3FLB()()()
PAGE	1 OF 3	7050-T73 ALUMINUM ALLOY. (41/47 KSI SHEAR)	SK12567

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C<sub>11</sub>

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STANDARD

FINISH: NO LETTER = CHEMICAL FILM PER MIL-C-5541 "GOLD" PLUS

CETYL ALCOHOL LUBRICATION PER MIL-L-87132.

SUFFIX AE = CHEMICAL FILM PER MIL-C-5541 "GOLD" UNLUBRICATED.

SUFFIX AN = ANODIZE PER MIL-A-8625 "CLEAR" PLUS CETYL

ALCOHOL LUBRICATION PER MIL-L-87132.

SUFFIX BS = ANODIZE PER MIL-A-8625 "CLEAR" PLUS DRIFILM LUBRICATION

PER AS5272. (DIMENSIONS APPLY PRIOR TO LUBRICATION)

HEAD MARKING: HEADS SHALL BE MARKED WITH THE MANUFACTURER'S SYMBOL, THE BASIC NUMBER

(LGP), AND (EB) DEPRESSED .006 MAX DEPTH ARRANGEMENT OPTIONAL. FOR PINS REQUIRING A SEALANT ESCAPE GROOVE, AN "H" WILL BE INCLUDED ON THE

HEAD IDENTIFICATION CALLOUT.

CODING: THE FIRST SET OF LETTERS DESIGNATE THE FAMILY OF LIGHTWEIGHT GP PINS FOR

SHEAR APPLICATION (LGPL).

THE SECOND SET OF LETTERS & NUMBER (2SP) DESIGNATE HEAD SIZE, STYLE,

AND LOAD APPLICATION.

THE NEXT LETTER (EB) IS THE MATERIAL DESIGNATOR FOR 7050-T73 ALUMINUM

ALLOY, SHEAR STRENGTH: 41 TO 47 KSI.

THE NUMBERS FOLLOWING THE MATERIAL DESIGNATE THE NOMINAL PIN SHANK

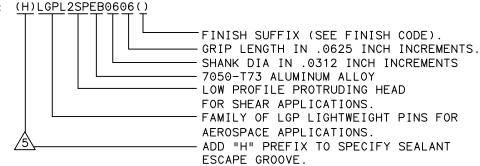
DIAMETER IN .0312 INCH INCREMENTS.

THE FINAL NUMBERS DESIGNATE THE GRIP LENGTH NUMBER OR THE NOMINAL

PIN SHANK LENGTH IN .0625 INCH INCREMENTS.

SEE FINISH CODE FOR SUFFIX INFORMATION.

PART NO. EXAMPLE:



MECHANICAL PROPERTIES										
LGP PIN PART	PIN NOM	SHEAR	POUNDS	COLLAR PART	MIN ULTIMATE TENSILE LBS	PIN POSITION SWAGE GAGE				
NUMBER	SIZE	SINGLE	DOUBLE	NUMBER	WITH LISTED COLLAR					
(H)LGPL2SPEB05()()	. 1640	856 987	1712 1974	3SLC-G05	495	HG171-05				
(H)LGPL2SPEB06()()	. 1900	1150 1326	2300 2652	3SLC-F06	750	HG171-06				
(H)LGPL2SPEB07()()	. 2187	1526 1758	3052 3516	3SLC-F07	1236	HG171-07				
(H)LGPL2SPEB08()()	. 2500	1997 2298	3994 4596	3SLC-F08	1500	HG171-08				

DIMENSIONS IN INCHES

Ğ, 7돔	$C_{11}$	REVISED	COMPANY LOGO & UPDATE				
SAW II	ISSUED 04/04/91		04/04/91	PIN, LIGHTWEIGHT GROOVE PROPORTIONED,	(H)LGPL2SPEB()()()		
S	REVIS	REVISED 08/12/21		SHEAR PROTRUDING HEAD, SWAGE LOCKING,			
Ξ	PAGE		2 OF 3	7050-T73 ALUMINUM ALLOY. (41/47 KSI SHEAR)	SK12567		

INCORPORATED INTERNATIONAL HUCK R PROPERTY **EXCLUSIVE** 불 ARE THEREBY REPRESENTED SERVICE **ENGINEERING** ٩ DATA TECHNICAL ž THEREIN AND DESIGN DISCLOSED STRUCTURAL 뿔 DRAWING,



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GRIP NUMBER TABULATION										
<u>A</u>	DESIGN GRIP RANGE		05		06		07		08	
GRIP DASH			Y	Z	Y	Z	Y	Z	Y	Z
NO.	MIN	MAX	±.010	+.060 000		+.060	±.010	+.060	±.010	+.060  000
02 03 04 05 06	.063 .126 .189 .251 .313	.125 .188 .250 .312 .375	. 420 . 482	.972 1.035 1.160 1.285 1.410	.360 .422 .484	1.045 1.128 1.253 1.378 1.503	.418 .480 .542	 1.210 1.335 1.460 1.585		 1.210 1.335 1.460 1.585
07 08 09 10 11	.376 .439 .501 .563 .626	. 438 . 500 . 562 . 625 . 688	.670 .732	1.535 1.660 1.785 1.910	.672 .734	1.628 1.753 1.878 2.003	.730 .792	1.710 1.835 1.960 2.085	.668 .730 .792 .855 .918	1.710 1.835 1.960 2.085 2.210

DIMENSIONS IN INCHES

C11 REVISED COMPANY LOGO & UPDATED TRADEMARK INFORMATION.(REF. ECR2779)

ISSUED 04/04/91 PIN,LIGHTWEIGHT GROOVE PROPORTIONED SHEAR PROTRUDING HEAD, SWAGE LOCKING, 7050-T73 ALUMINUM ALLOY (41/47 KSI SHEAR)

(H)LGPL2SPEB()()()