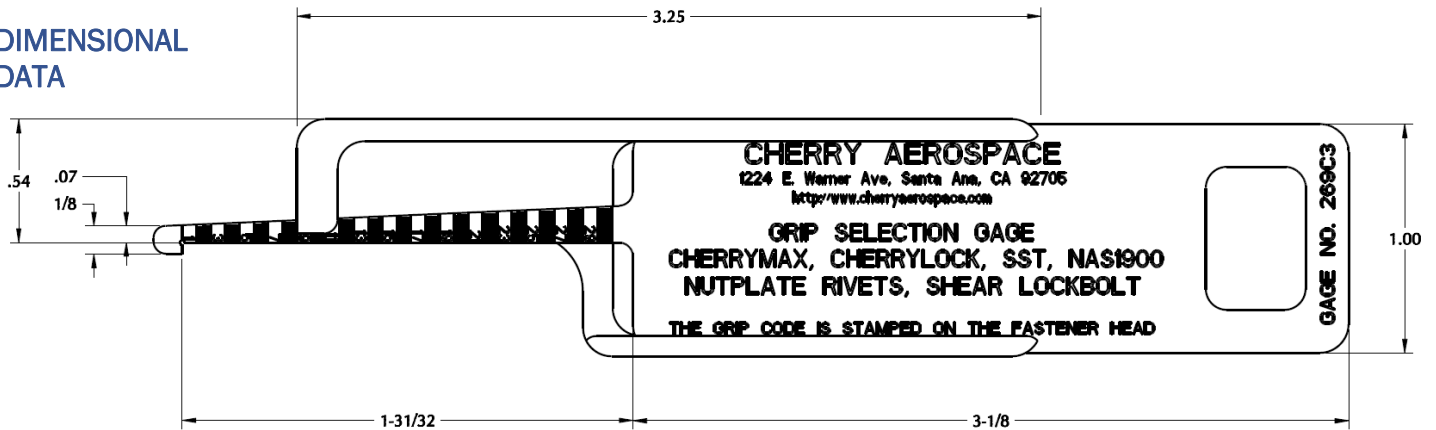


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GRIP GAGE.

INSTRUCTION SHEET, Page 1 of 2

DIMENSIONAL DATA



PRODUCTS COVERED BY THE GAGE

- This gage will measure grip ranges as shown in the table on the right.
- It covers, but is not limited to the following CHERRY® products:
 - CHERRYMAX® (CR3XXX-DD-GG, CR4XXX-DD-GG)
 - CHERRYLOCK® (CR2XXX-DD-GG)
 - CHERRY 1900® (CR1919-DD-GG, CR1921-DD-GG)
 - NUT PLATE BLIND RIVETS (CR9XXX-DD-GG, CCR2X4-DD-GG)
 - SHEAR TYPE LOCKBOLTS®

Notes:

1. XXX in the part numbers are just placeholders showing an additional 3 digits in the part number.
2. "DD" represents the fastener diameter code
3. "GG" represents the fastener grip code; "0" in front of the grip code can be discarded. Therefore a "05" and a "5" grip are identical.
4. Examples of part numbers:
CR3212-04-05, CR2163-05-05, CCR264-4-06

See the fastener Standards Page for more details about part numbers, codes and grip ranges applicable (on-line at

<http://cherryaerospace.com/documents/prodstpages?StdPage=All%20Products>)

TABLE 1.GRIP MEASUREMENT		
GRIP CODE	GRIP RANGE (STRUCTURE THICKNESS)	
	MIN.	MAX.
1	-	0.062
2	0.062	0.125
3	0.125	0.187
4	0.187	0.250
5	0.250	0.312
6	0.312	0.375
7	0.375	0.437
8	0.437	0.500
9	0.500	0.562
10	0.562	0.625
11	0.625	0.687
12	0.687	0.750
13	0.750	0.812
14	0.812	0.875
15	0.875	0.937
16	0.937	1.000
17	1.000	1.062
18	1.062	1.125
19	1.125	1.187
20	1.187	1.250
21	1.250	1.312
22	1.312	1.375
23	1.375	1.437



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Tel: 1-714-545-5511

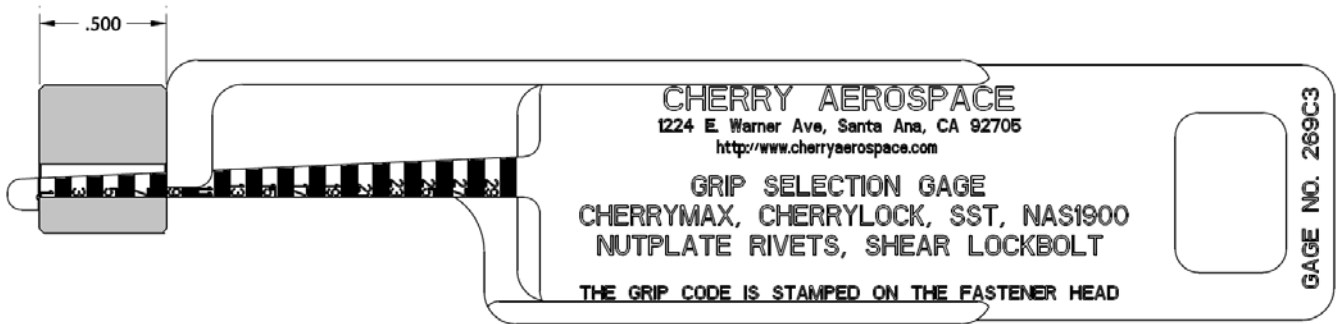
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GRIP GAGE.

INSTRUCTION SHEET, Page 2 of 2

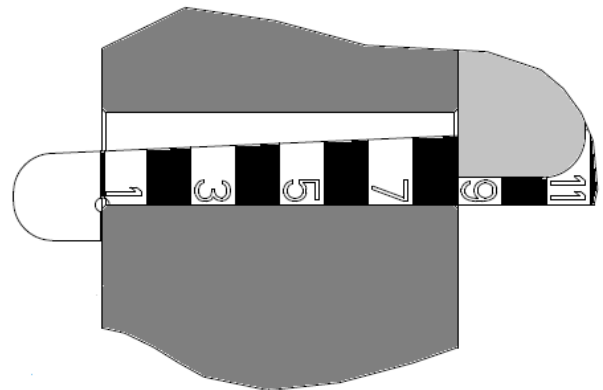
GRIP MEASUREMENT



- Place the thin, hook end of the gage inside the hole where the thickness needs to be measured
- Place the hook on the blind end and bring the slider to the structure tightly.
- Remove the gage and look at the alignment of the front end of the slider to the markings on the gage. Select a fastener of the grip indicated on the gage; when the slider aligns exactly on the line between two grips, either of the grip length fasteners may be selected. Note that the even grip numbers are not marked on the gage.

EXAMPLE GRIP MEASUREMENT

- In the picture on the right, the gage indicates on the line directly under the "9" marking; either -08 or -09 grip fasteners may be used in this case.



WARRANTY

Seller warrants the goods conform to applicable specifications and drawings and will be manufactured and inspected according to generally accepted practices of companies manufacturing industrial or aerospace fasteners. In the event of any breach of the foregoing warranty, Buyer's sole remedy shall be to return defective goods (after receiving authorization from Seller) for replacement or refund of the purchase price, at the Seller's option. Seller agrees to any freight costs in connection with the return of any defective goods, but any costs relating to removal of the defective or nonconforming goods or installation of replacement goods shall be Buyer's responsibility. SELLER'S WARRANTY DOES NOT APPLY WHEN ANY PHYSICAL OR CHEMICAL CHANGE IN THE FORM OF THE PRODUCT IS MADE BY BUYER. THE FOREGOING EXPRESS WARRANTY AND REMEDY ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES; ANY IMPLIED WARRANTY AS TO QUALITY, FITNESS FOR PURPOSE, OR MERCHANTABILITY IS HEREBY SPECIFICALLY DISCLAIMED AND EXCLUDED BY SELLER. This warranty is void if seller is not notified in writing of any rejection of the goods within ninety (90) days after receipt of the goods by buyer.

Seller shall not be liable under any circumstances for incidental, special or consequential damages arising in whole or in part from any breach by Seller, AND SUCH INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES ARE HEREBY EXPRESSLY EXCLUDED.

Our policy is one of continuous development. Specifications shown in this document may be subject to changes introduced after publication.

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