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de HAVILLAND

CAGE CODE 71867

SOURCE CONTROL DRAWING

ONLY THE ITEM(S) LISTED ON THIS DRAWING AND IDENTIFIED BY VENDOR'S NAME(S), ADDRESS(ES) AND PART NUMBER(S) HAVE BEEN APPROVED FOR USE IN DE HAVILLAND AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY DE HAVILLAND ENGINEERING STANDARDS

SOURCE CONTROL DRAWING

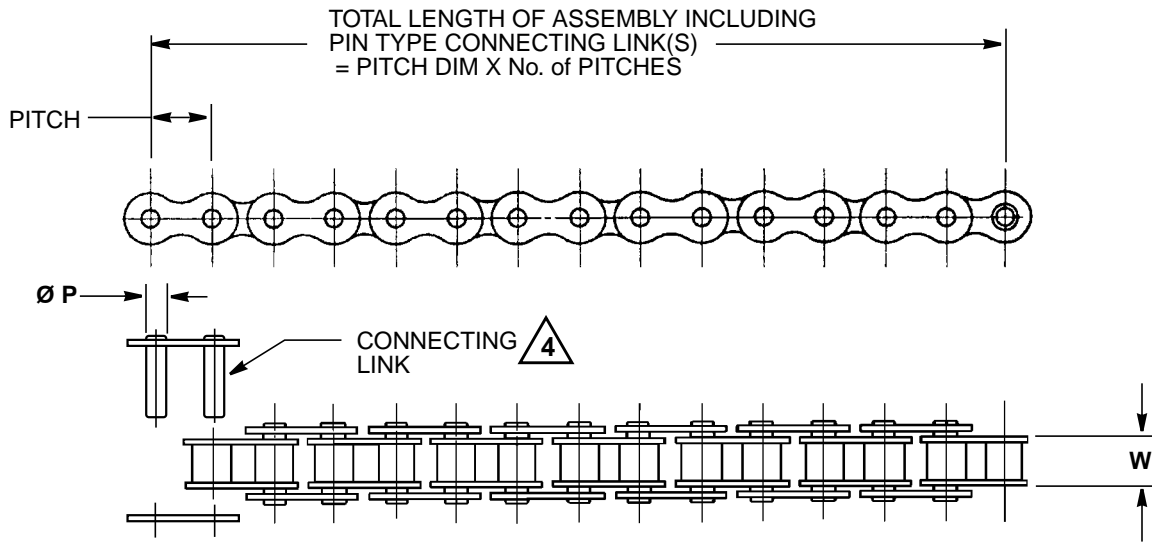


FIGURE 1 - GENERAL DESCRIPTION OF CHAIN ASSEMBLY

CHAIN (NOTE 1)						
SIZE (ASME B29.1M)	PITCH (NOM)	WIDTH W (MAX)	PIN DIA P (NOM)	WEIGHT (LB/FT)	PROOF LOAD (LBS)	MINIMUM ULTIMATE TENSILE STRENGTH (LBS)
25	0.250	0.189	0.0905	0.085	275	780
35	0.375	0.294	0.141	0.22	615	1760
40	0.500	0.439	0.156	0.42	1095	3125

NOTE 1 - ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED

Table 1: CHAIN - BASIC DIMENSIONS AND PROOF LOAD

DSC 552 - CANCELLED - USE DSC 532

LIST OF CURRENT SHEETS										
SHEET	1	2	3	4						
REV	A	A	A	A						

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD	TITLE: CHAIN, ROLLER, MATERIAL, ASSEMBLIES & CONNECTING LINKS	DSC 552
CHECKED	S.SCHRATTNER		
STRESS	E. CROMIE		PAGE 1 OF 4
APPROVED	S. HAMID		

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REV: A - 9 DEC 2008

APPROVED: 3 MAY 2000

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NOTES:

1. CHAIN MATERIAL, CHAIN ASSEMBLIES AND CONNECTING LINKS IN ACCORDANCE WITH THIS STANDARD SHALL BE SUPPLIED WITH A CERTIFICATE OF COMPLIANCE AS MEETING THE REQUIREMENTS OF MIL-STD-421B GRADE A

2. MATERIAL: CARBON AND LOW ALLOY STEEL

3. ALL CHAINS CONFORM TO THE DIMENSIONAL REQUIREMENTS OF ASME B29.1M

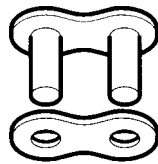
4. CHAIN CONNECTING LINKS USED TO CONNECT CHAIN ENDS TOGETHER OR TO CONNECT TERMINALS TO CHAINS ARE EITHER PIN (RIVETED) TYPE OR DETACHABLE (SPRING CLIP) TYPE (SEE FIGURE 2)

4.a EXCEPT AS NOTED IN 4.b, RIVETED TYPE CONNECTING LINKS SHALL BE USED AT ALL TIMES TO CONNECT CHAIN ENDS TOGETHER OR TO CONNECT END FITTINGS OR TERMINALS TO CHAINS

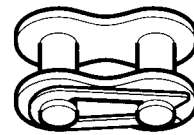
SPECIFY RIVETING OF LINKS ON DRAWING; "**RIVET CONNECTING LINKS PER PPS 2.06**"

4.b SPRING CLIP TYPE MAY **ONLY** BE USED FOR SECONDARY FLIGHT CONTROLS (e.g. ELEVATOR TRIM) ONLY WHERE CHAIN SUB-ASSEMBLIES **MUST** BE CONNECTED IN-SITU IN THE AIRCRAFT IN ORDER TO FACILITATE ASSEMBLY

4.c IN ORDER THAT CHAIN ASSEMBLIES CAN BE FORMED INTO A COMPLETE LOOP, CHAIN MUST CONTAIN AN EVEN NUMBER OF PITCHES INCLUDING THE CONNECTING LINK



PIN (RIVETED) TYPE
CONNECTING LINK



DETACHABLE (SPRING CLIP)
TYPE CONNECTING LINK

FIGURE 2- CHAIN CONNECTING LINKS

5. CHAIN PROOF LOAD IS 35% OF ULTIMATE TENSILE STRENGTH

SPECIFY ON DRAWING; "**PROOF LOAD CABLE/CHAIN ASSEMBLY TO (VALUE SHOWN IN TABLE 1) PER PPS 3.05**"

6. CHAIN SIZE 25 AND 35 ARE ROLLERLESS, CHAIN SIZE 40 AND OVER ARE ROLLER TYPE

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PART NUMBER BREAKDOWN

FIGURE 3 - BASIC PART NUMBER BREAKDOWN

DSC552-1

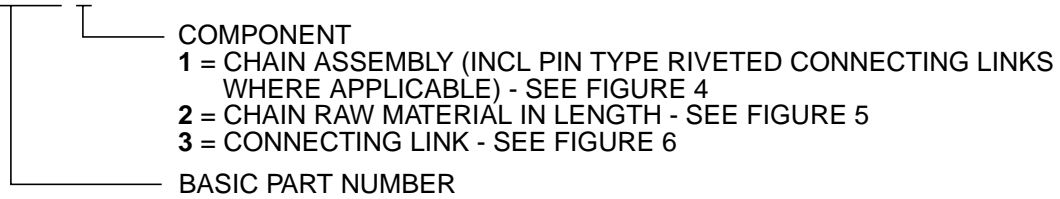
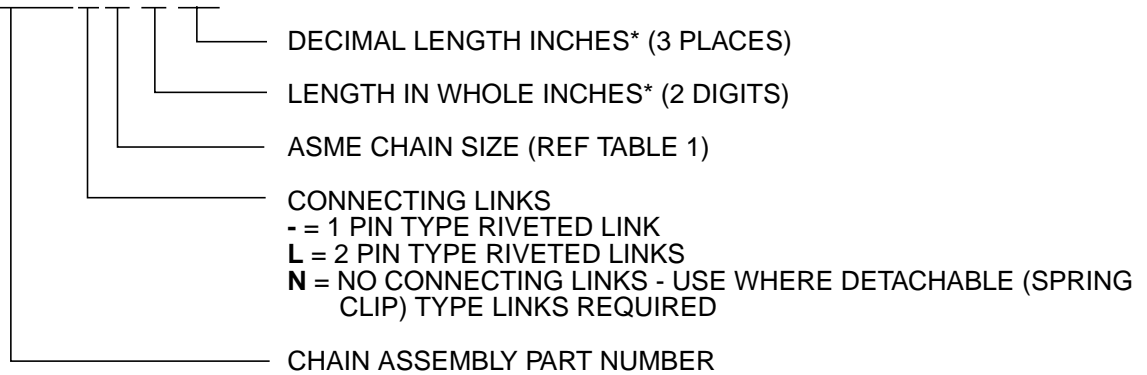


FIGURE 4 - EXAMPLE OF CHAIN ASSEMBLY PART NUMBER BREAKDOWN:

DSC552-1 - 25-14-250



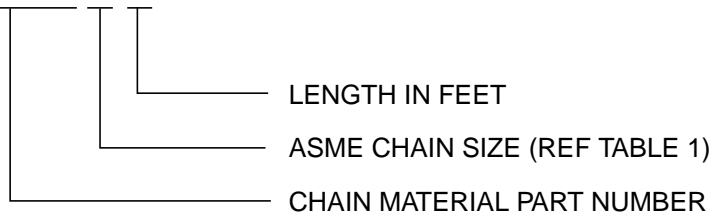
DSC552-1-25-14-250= CHAIN ASSEMBLY, ASME 25 SIZE (.250 PITCH), 14.250 IN. LONG INCLUDING ONE (1) PIN TYPE CONNECTING LINK

DSC552-1L35-28-875= CHAIN ASSEMBLY, ASME 35 SIZE (.375 PITCH), 28.875 IN. LONG INCLUDING TWO (2) PIN TYPE CONNECTING LINKS

* TOTAL LENGTH OF ASSEMBLY INCLUDING CONNECTING LINKS - REF FIGURE 1

FIGURE 5- EXAMPLE OF CHAIN MATERIAL PART NUMBER BREAKDOWN

DSC552-2-25-50



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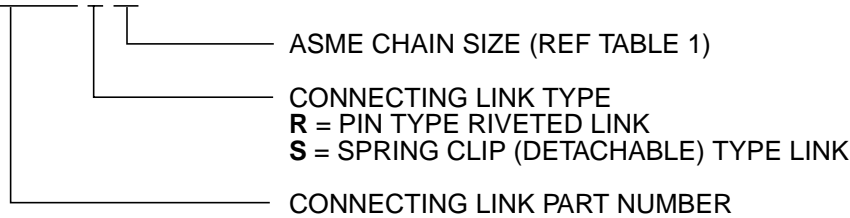
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FIGURE 6 - EXAMPLE OF CONNECTING LINK PART NUMBER BREAKDOWN

DSC552-3 R 25



DSC No.	APPROVED VENDOR		
	RENOLD		
	CHAIN ASSEMBLY	CHAIN MATERIAL	CONNECTING LINK
DSC552-1-25-(-)(-)	R25-(-)(-)	129023MIL	129023/107
DSC552-1-35-(-)(-)	R35-(-)(-)	129033MIL	129033/107
DSC552-1-40-(-)(-)	R40-(-)(-)	119043MIL	119043/107
DSC552-1L25-(-)(-)	L25-(-)(-)	129023MIL	129023/107
DSC552-1L35-(-)(-)	L35-(-)(-)	129033MIL	129033/107
DSC552-1L40-(-)(-)	L40-(-)(-)	119043MIL	119043/107
DSC552-1N25-(-)(-)	N25-(-)(-)	129023MIL	N/A
DSC552-1N35-(-)(-)	N35-(-)(-)	129033MIL	N/A
DSC552-1N40-(-)(-)	N40-(-)(-)	119043MIL	N/A
DSC552-2-25-(-)	N/A	129023x()MIL	N/A
DSC552-2-35-(-)	N/A	129033x()MIL	N/A
DSC552-2-40-(-)	N/A	119043x()MIL	N/A
DSC552-3R25	N/A	N/A	129023/107
DSC552-3R35	N/A	N/A	129033/107
DSC552-3R40	N/A	N/A	119043/107
DSC552-3S25	N/A	N/A	129023/026
DSC552-3S35	N/A	N/A	129033/026
DSC552-3S40	N/A	N/A	119043/026

VENDORS ADDRESSES AND CAGE CODES:

RENOLD CANADA LTD - BRANTFORD, ONTARIO, CANADA - CAGE CODE 83818

PROCUREMENT INFORMATION

PROCUREMENT DEPARTMENT SHALL SPECIFY THE DSC NUMBER AND THE MANUFACTURER;S PART NUMBER ON THE PURCHAS ORDER

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