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de HAVILLAND

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SOURCE CONTROL DRAWING

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SOURCE CONTROL DRAWING

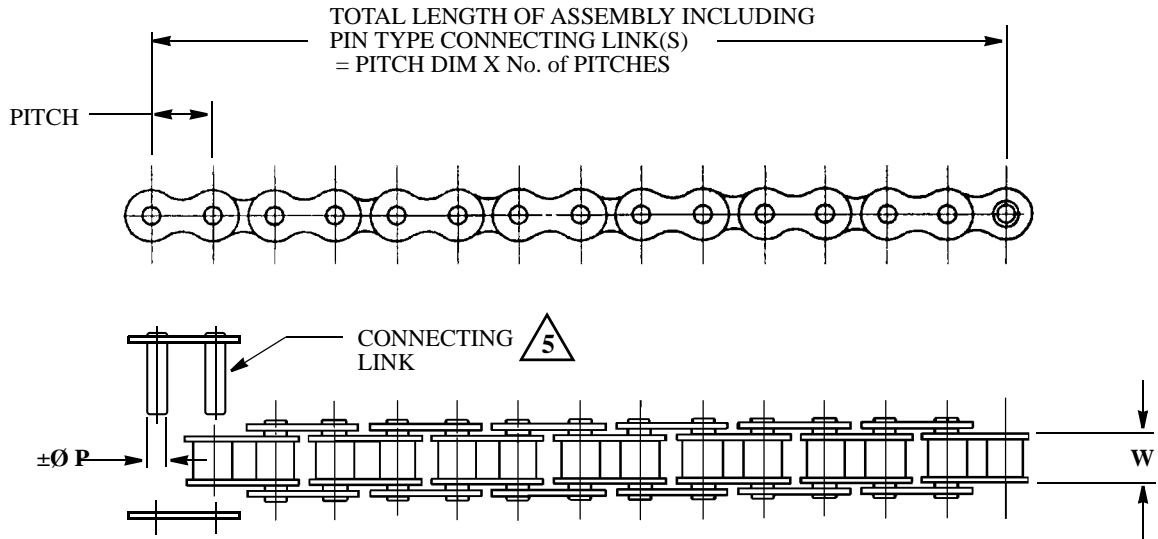


FIGURE 1 - GENERAL DESCRIPTION OF CHAIN ASSEMBLY

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	315	900
35	0.375	0.294	0.141	0.22	790	2250
40	0.500	0.439	0.156	0.42	1330	3800
NOTE 1 - ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED						

Table 1: CHAIN - BASIC DIMENSIONS AND PROOF LOAD

LIST OF CURRENT SHEETS										
SHEET	1	2	3	4						
REV	D	C	B	C						

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD	TITLE: CHAIN, ROLLER, AIRCRAFT CONTROL AND ACTUATION, CAA CERTIFIED	DSC 532
CHECKED	P. LAM		
STRESS	S. CHENG		PAGE 1 OF 4
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Ⓢ SHEET 4 REVISED AT ISSUE "C" WAS "B"

REV:

REV:

REV: D - 25 APR 2016

REV: C - 8 DEC 2008

REV: B - 25 JUL 01

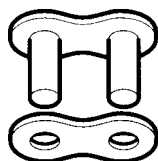
REV: A - 17 JUL 00

APPROVED: 10 JUL 98

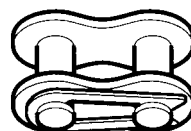
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NOTES:

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 CIVIL AVIATION AUTHORITY APPROVAL No. C.A.A. A1/1055/45 *OR* *RENOLD AIRCRAFT QUALITY CONTROL EXPOSITION, MANUAL No. QCE. 1, BOOK No. 2.*
2. ~~CHAIN MATERIAL, CHAIN ASSEMBLIES AND CONNECTING LINKS TO CSP180 (MIL-STD-421) HAVE BEEN SUPERSEDED BY MATERIAL TO DSC552.~~
3. MATERIAL: CARBON AND LOW ALLOY STEEL
4. ALL CHAINS CONFORM TO THE DIMENSIONAL REQUIREMENTS OF ASME B29.1M
5. 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)
 - 5.a **EXCEPT AS NOTED IN 5.b, RIVETED TYPE CONECTING 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"**
 - 5.b SPRING CLIP TYPE LINKS 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
 - 5.c SPRING CLIP TYPE CONNECTING LINKS MUST BE CALLED UP AS A SEPARATE ITEM ON THE APPLICABLE ASSEMBLY DRAWING BILL OF MATERIAL. REFER TO FIGURE 4 FOR CONNECTING LINK PART NUMBER BREAKDOWN
 - 5.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

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

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8. CHAIN IDENTIFICATION

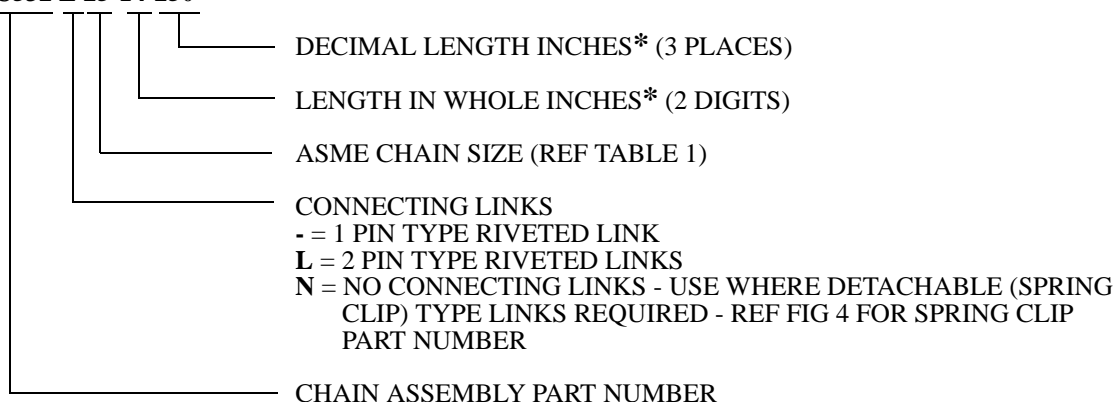
THE "RC" IDENTIFICATION MARKS SHALL APPEAR APPROXIMATELY ONCE PER 6 TO 12 INCHES OF CHAIN LENGTH MINIMUM.

CONNECTING LINKS SHALL BE MARKED EITHER ON THE FIXED PLATE OR ON THE LOOSE PLATE

PART NUMBER BREAKDOWN

FIGURE 3 - CHAIN ASSEMBLY PART NUMBER BREAKDOWN:

DSC532 L 25-14-250



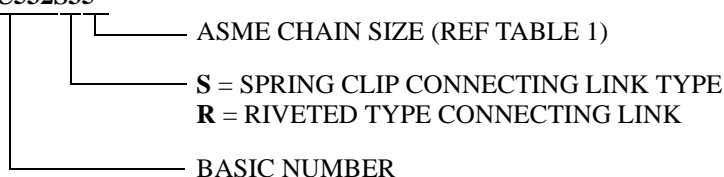
DSC532-25-14-250 = CHAIN ASSEMBLY, ASME 25 SIZE (.250 PITCH), 14.250 IN. LONG INCLUDING ONE (1) PIN TYPE CONNECTING LINK

DSC532L35-28-875 = 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 4 - CONNECTING LINK PART NUMBER BREAKDOWN

DSC532S35



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SOURCE CONTROL DRAWING

APPROVED VENDORS LISTING - CHAIN ASSEMBLIES

CHAIN ASSEMBLY PART No.		VENDORS	
SUPERSEDED P/N	CURRENT P/N	Ⓑ RENOLD	
DSC532-01	DSC532-25-14-000	500255A	
DSC532-02	DSC532L25-08-750	500254A	
DSC532-03	DSC532L25-14-250	500256A	
DSC532-04	DSC532L25-31-250	500259A	
DSC532-05	DSC532N25-13-740	500268A	
DSC532-06	DSC532N25-20-250	500257A	
DSC532-07	DSC532N25-26-250	500258A	
DSC532-08	DSC532N25-43-250	500260A	
N/A	DSC532N25-28-250	500267A	
N/A	DSC532L35-28-875	500202A	
N/A	DSC532L35-33-375	500203A	
N/A	DSC532L40-13-500	500206A	

APPROVED VENDORS LISTING - CONNECTING LINKS

SPRING TYPE CONNECTING LINK			RIVETED TYPE CONNECTING LINK		
PART No.	CHAIN SIZE	VENDOR	PART No.	CHAIN SIZE	VENDOR
		RENOLD			RENOLD
DSC532S25	25	129023A/26	DSC532R25	25	129023A/107
DSC532S35	35	129033A/26	DSC532R35	35	129033A/107
DSC532S40	40	119043A/26	DSC532R40	40	119043A/107

VENDORS ADDRESS AND CAGE CODES:

RENOLD CHAIN - BREDBURY PARK INDUSTRIAL ESTATE
ASTON ROAD, BREDBURY, STOCKPORT
UK
SK6 2QN

PROCUREMENT INFORMATION

PROCUREMENT DEPARTMENT SHALL SPECIFY THE DSC NUMBER AND THE MANUFACTURER'S PART NUMBER ON THE PURCHASE ORDER

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© ADDED: "RENOLD CHAIN BREDBURY PART INDUSTRIAL ESTATE, ASTON ROAD, BREDBURY, STOCKPORT UK, 6SK 2QN"

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