

FIGURE 1 - ANSI CHAIN DIMENSIONAL DATA

CSP DASH NO.	STD ROLLER CHAIN NO	CHAIN PROOF LOAD (LBS) 4	D NOM	E DIA NOM	G MAX	H NOM	P PITCH	W NOM
CSP483-25	ANSI 25	275	0.130	0.091	0.238	0.32	0.250	0.125
CSP483-35	ANSI 35	615	0.200	0.141	0.356	0.48	0.375	0.187
CSP483-40	ANSI 40	1095	0.312	0.156	0.475	0.66	0.500	0.312
CSP483-41	ANSI 41	525	0.306	0.141	0.390	0.56	0.500	0.250
CSP483-50	ANSI 50	1710	0.400	0.200	0.594	0.82	0.625	0.375
CSP483-60	ANSI 60	2470	0.469	0.234	0.712	1.15	0.750	0.500
CSP483-80	ANSI 80	4375	0.625	0.312	0.950	1.43	1.000	0.625

Table 1: ANSI CHAIN PROOF LOAD & DIMENSIONAL DATA

RECORD DOCUMENT ONLY - NOT TO BE USED FOR PROCUREMENT

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

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD	CHAIN, ROLLER	CSP 483
CHECKED	S. SCHRATTNER		
STRESSED	F. LAU/E.CROMIE		
APPROVED	S. HAMID		SHEET: 1

NOTE RE PROCUREMENT ADDED

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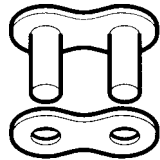
REV:

REV: A - 18 APR 00

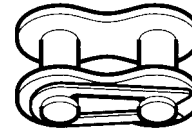
APPROVED: 14 APR 2000

NOTES:

- (A) 1. **CSP483 AUTHORIZES THE USE OF ROLLER CHAIN TO ANSI CHAIN SPECIFICATION AS ALTERNATE MATERIAL, FOR ALL DEHAVILLAND AIRCRAFT DESIGN APPLICATIONS, WHERE CSP180 OR DSC532 CHAIN IS SPECIFIED. SREO 7336 WILL BE REVISED TO REFLECT THIS CHANGE**
2. a) CSP483 CHAIN ASSEMBLIES COME WITH PIN (RIVET) TYPE CONNECTING LINKS. RIVETED PIN TYPE LINKS CAN BE USED TO CONNECT CHAIN ENDS TOGETHER OR TO CONNECT TERMINALS TO CHAIN. IF TWO CONNECTING LINKS ARE REQUIRED (AS IN THE CASE OF TERMINALS TO CHAIN ENDS) ADD A PREFIX "L" TO THE FIRST DASH NUMBER. IF NO PIN TYPE CONNECTING LINK IS REQUIRED, (AS WHEN USING A DETACHABLE CONNECTING LINK) ADD A PREFIX "N" TO THE FIRST DASH NUMBER. PINS MUST BE RIVETED TO PPS 2.06.
2. b) WHERE CHAIN ASSEMBLIES MUST BE CONNECTED ON INSTALLATION IN AIRCRAFT, A DETACHABLE CONNECTING LINK MUST BE USED. DETACHABLE LINKS USE SPRING CLIPS FOR CHAIN SIZES -25 TO -80.
- SPECIFY CONNECTING LINK ON DRAWING, EXAMPLE; **"ANSI 25 SPRING TYPE CONNECTING LINK"**.



PIN (RIVETED) TYPE
CONNECTING LINK



DETACHABLE (SPRING CLIP)
TYPE CONNECTING LINK

FIGURE 2- CHAIN CONNECTING LINKS

- 2.c) IN ORDER THAT CSP483 CHAIN ASSEMBLIES CAN BE FORMED INTO A COMPLETE LOOP, CHAIN MUST CONTAIN AN EVEN NUMBER OF PITCHES "P" INCLUDING THE CONNECTING LINK.
- WHERE CHAIN LENGTH CONTAINS AN ODD NUMBER OF PITCHES, A TWO (2) PITCH OFFSET CONNECTING LINK WILL BE REQUIRED TO FORM A COMPLETE LOOP. THESE CONNECTING LINKS CONSIST OF ONE ROLLER LINK AND AN OFFSET LINK RIVETED TOGETHER. 2 PITCH OFFSET LINKS MUST BE RIVETED TO PPS 2.06.
- SPECIFY CONNECTING LINK ON DRAWING, EXAMPLE; **"ANSI 35 RIVET TYPE OFFSET LINK 2 PITCH"**.
- 3.a) CABLES AND TURNBUCKLES CAN BE ATTACHED TO CHAIN USING NAS 287 AND 288 TERMINALS. TERMINALS ARE CONNECTED USING PIN TYPE OR SPRING TYPE CONNECTING LINKS.
- 3.b) IF PLATES, FITTINGS ETC. ARE TO BE ATTACHED TO CHAIN, MS 20615 MONEL RIVETS CAN BE USED IN PLACE OF THE PINS INCLUDED IN THE CSP CHAIN ASSEMBLY.

(A) **RECORD DOCUMENT ONLY - NOT TO BE USED FOR PROCUREMENT**

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD	CHAIN, ROLLER	CSP 483
CHECKED	S. SCHRATTNER		
STRESSED	F. LAU/E.CROMIE		SHEET: 2
APPROVED	S. HAMID		

(A) NOTE 1 REVISED TO CLARIFY INTENT OF STD
NOTE RE PROCUREMENT ADDED

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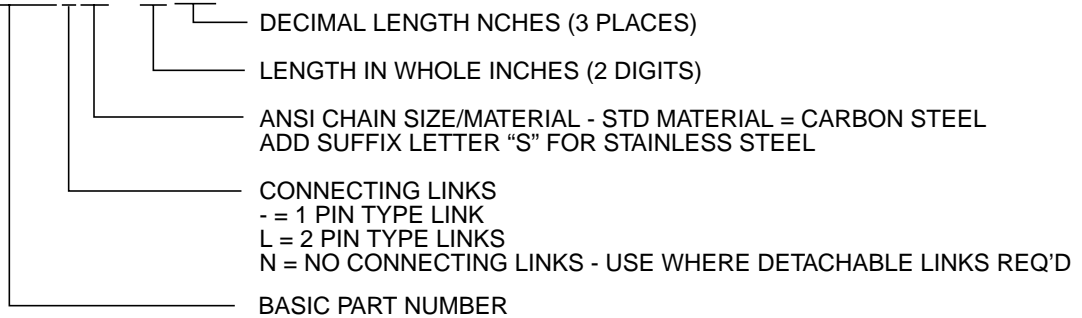
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4. SPECIFY ON DRAWING "**PROOF LOAD CABLE/CHAIN ASSEMBLY TO (VALUE SHOWN IN TABLE 1) PER PPS 3.05**". ALL CABLE/CHAIN ASSEMBLIES INCORPORATING CSP483 CHAIN MUST BE PROOF LOADED TO THE VALUES SHOWN IN TABLE 1 FOR THE PARTICULAR SIZE CHAIN OR AS SHOWN ON THE RELEVANT ENGINEERING DRAWING.

5. EXAMPLE OF PART NUMBER BREAKDOWN:

CSP483 - 25 - 14-250



- : **CSP483-25-14-250** = CARBON STEEL CHAIN ASSEMBLY, ASME 25 SIZE, (.250 PITCH), 14.25 IN. LONG, INCLUDING ONE (1) PIN TYPE CONNECTING LINK, (57 PITCHES)
- CSP483L35-14-625** = CARBON STEEL CHAIN ASSEMBLY, ASME 35 SIZE, (.375 PITCH), 14.625 IN. LONG INCLUDING TWO (2) PIN TYPE CONNECTING LINKS, (39 PITCHES))
- CSP483N35S-09-375** = STAINLESS STEEL CHAIN ASSEMBLY, ASME 35 SIZE (.375 PITCH), 9.375 IN. LONG, NO CONNECTING LINKS, (25 PITCHES)
6. CHAIN SIZE 25 AND 35 ARE ROLLERLESS. CHAIN SIZE 40 AND OVER ARE ROLLER TYPE

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DRAWN	B. McDONALD	CHAIN, ROLLER	CSP 483	
CHECKED	S. SCHRATTNER		SHEET: 3	
STRESSED	F. LAU/E.CROMIE			
APPROVED	S. HAMID			

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