



# Data Sheet

Form No.	Issue Date	Rev. Date
DS-2008	04/25/14	1/8/18

## WATEROUS C21 SERIES CHAIN DRIVE TRANSMISSION

**DESCRIPTION: SPLIT SHAFT CHAIN DRIVE FIRE PUMP TRANSMISSIONS**

**C21 SERIES TRANSMISSIONS ARE AVAILABLE AS FOLLOWS:**

*Table 1. C21 Series Transmissions*

Model	Drop Dimension	Driveline				For Pumps Rated	Used on Pump Models	Dim. Drawing
		Type	Size	Spline	Chain Width			
C21	16.900/ 429.26	Extra Heavy Duty	2.35 in.	2.35-46T Involute	3 in.	4000 GPM 15,141 L/min	CRU-2	DPL83409

**SPECIFY A COMPLETE C21 SERIES TRANSMISSION AS FOLLOWS:**

### DRIVELINE

Size: 2.35-46T, 20/40 DP, 37-1/2 degree involute spline  
16,000 ft-lb (21,760 N-m) maximum torque  
(compatible with 2-25/64-46T internal involute spline)

Type: Standard: Input and output shaft

Maximum Input Shaft Speed: 3300 RPM

### RATIO

1.77

### MOUNTING ON PUMP

Rear (Rear Drive)

Front (Front Drive)

### HYDRAULIC PUMP MOUNTING PROVISION ON BACK SIDE OF TRANSMISSION (CHOICE OPTIONAL)

SAE Class C 4-Bolt with 1-1/4-14T, 12/24 Internal Spline

Available only on Models: CRU-2

### TACHOMETER CONNECTION

Standard: Without tachometer

Optional: Electronic

Optional Electronic Tachometer Cable: Yes or No

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**END YOKES AND COMPANION (Choice Optional):**

**End Yoke Choices:**

1710 Series  
1810 Series  
SPL140

**Companion Flange Choices (See Note 1):**

1480/1610 Series  
1710/1810 Series

**Optional End Yoke Cross and Bearing Kits:**

With or Without

**Notes:**

1.) Companion flanges compatible with the following flanged end yokes:

Companion Flange	Flange Yoke	
	Series	Spicer Part No.
1480/1610 Series	1480	3-2-499
	1610	5-2-629
1710/1810 Series	1710	6-2-749
	1810	6.5-2-329
	SPL140	140-2-29
	SPL170	170-2-19
	SPL250	250-2-19
	1710 HR	6-4-4771-1
	1810 HR	6.5-4-2541-1

**PUMP SHIFT**

See data sheet, DS-4005