



Document Number	Issue Date	Rev. Date
DPL 83065	05/27/09	2/2/22

C20 Series Transmission Dimensional Drawings

As used with S100 Pump Models

Contents:

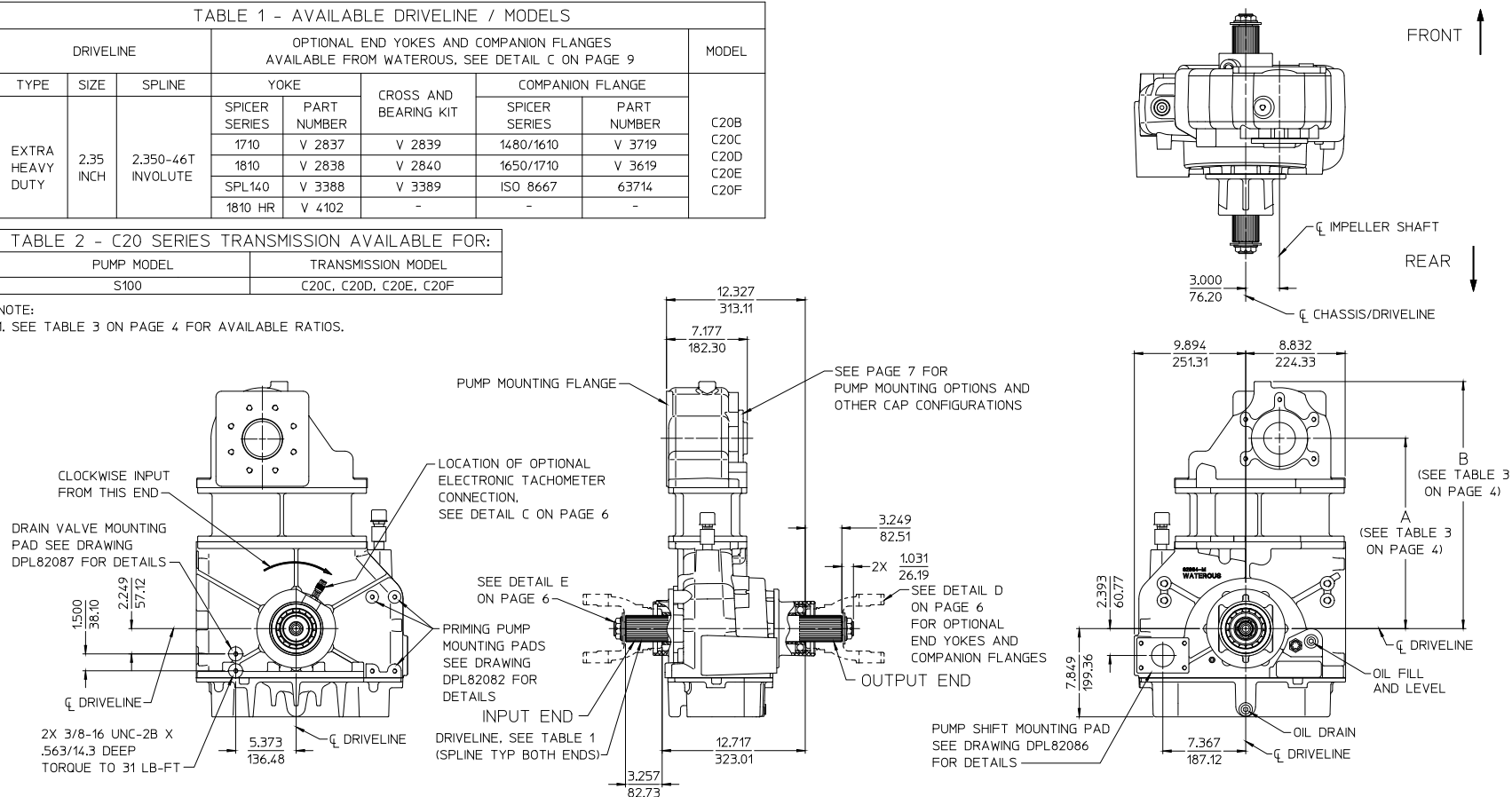
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TABLE 1 - AVAILABLE DRIVELINE / MODELS								
DRIVELINE			OPTIONAL END YOKES AND COMPANION FLANGES AVAILABLE FROM WATEROUS, SEE DETAIL C ON PAGE 9				MODEL	
TYPE	SIZE	SPLINE	YOKE		CROSS AND BEARING KIT	COMPANION FLANGE		C20B C20C C20D C20E C20F
			SPICER SERIES	PART NUMBER		SPICER SERIES	PART NUMBER	
EXTRA HEAVY DUTY	2.35 INCH	2.350-46T INVOLUTE	1710	V 2837	V 2839	1480/1610	V 3719	
			1810	V 2838	V 2840	1650/1710	V 3619	
			SPL140	V 3388	V 3389	ISO 8667	63714	
			1810 HR	V 4102	-	-	-	

TABLE 2 - C20 SERIES TRANSMISSION AVAILABLE FOR:	
PUMP MODEL	TRANSMISSION MODEL
S100	C20C, C20D, C20E, C20F

NOTE:

1. SEE TABLE 3 ON PAGE 4 FOR AVAILABLE RATIOS.



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

(INCH)
(MILLIMETER)

C20 MODELS INPUT AND OUTPUT SHAFT

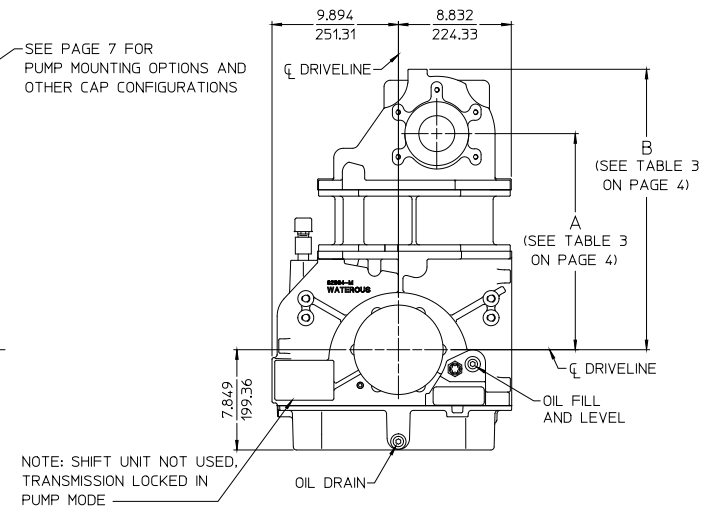
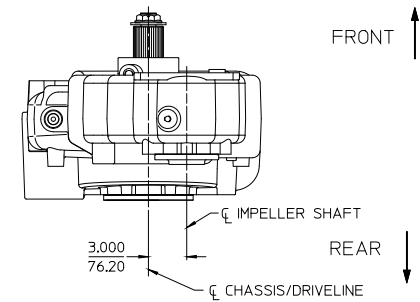
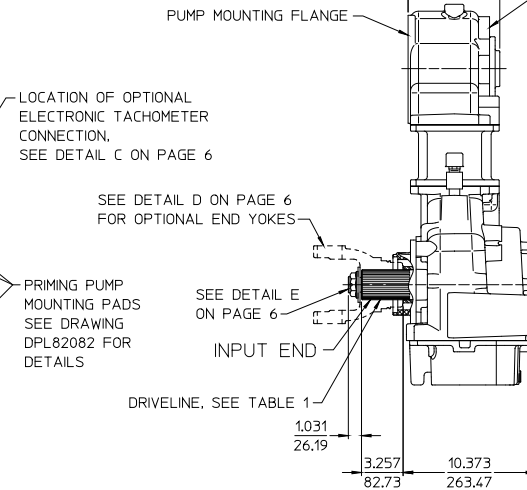
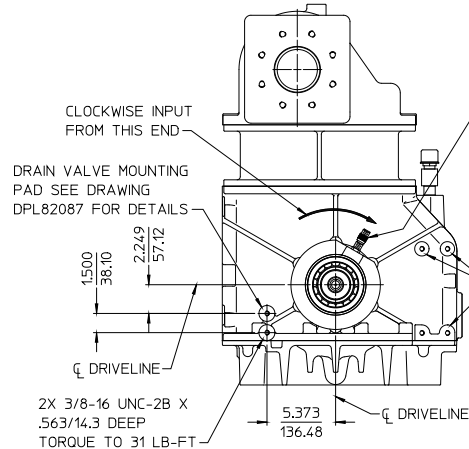
SPLIT SHAFT DRIVE, CLOCKWISE INPUT
PUMP MOUNTED ON FRONT (INPUT SHAFT SIDE) OF TRANSMISSION CONFIGURATION SHOWN
(C20E 2.27 RATIO SHOWN)

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TABLE 2 - C20 SERIES TRANSMISSION AVAILABLE FOR:	
PUMP MODEL	TRANSMISSION MODEL
S100	C20B, C20C, C20D, C20E, C20F

NOTE:

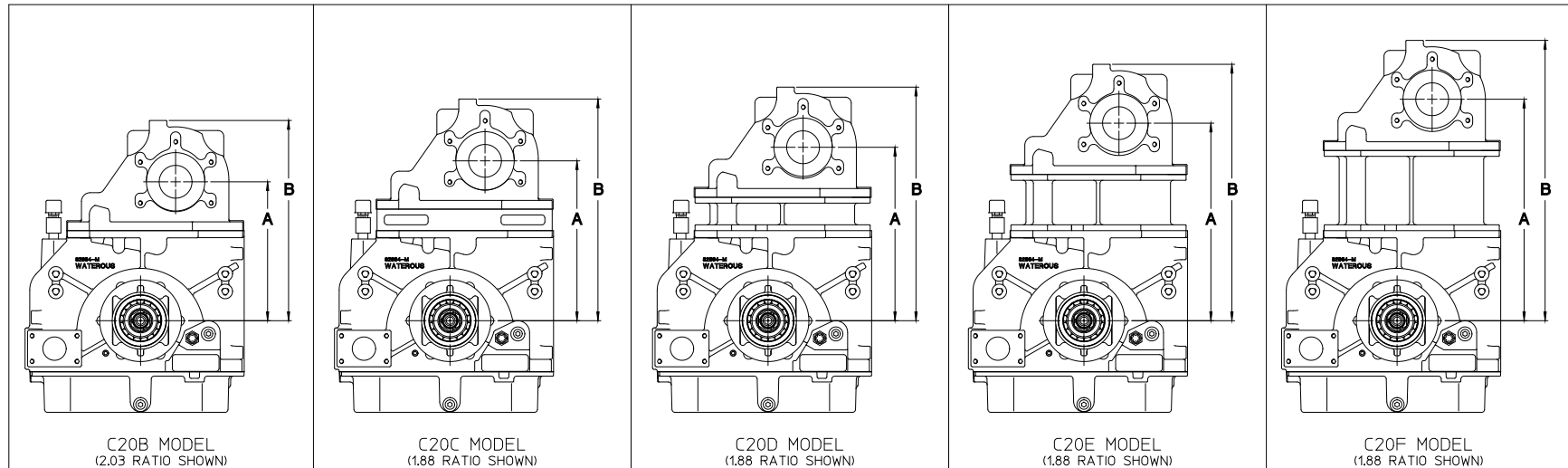
1. SEE TABLE 3 ON PAGE 4 FOR AVAILABLE RATIOS.



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)

**C20 MODELS
INPUT SHAFT ONLY**

SPLIT SHAFT DRIVE, CLOCKWISE INPUT
PUMP MOUNTED ON FRONT (INPUT SHAFT SIDE) OF TRANSMISSION CONFIGURATION SHOWN
(C20E 2.27 RATIO SHOWN)

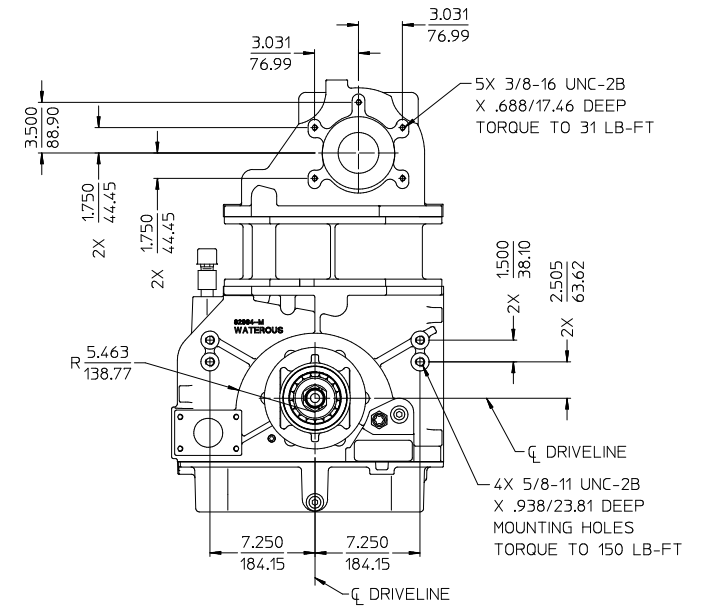
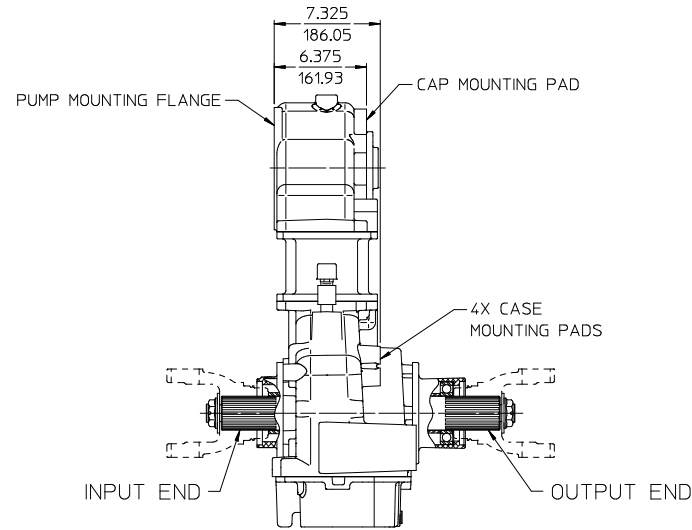
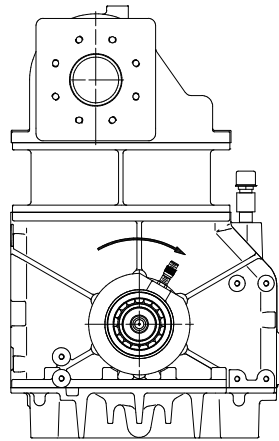


* INPUT COUPLING SHAFT ONLY										
DRIVE TO DRIVEN RATIO	* C20B		C20C		C20D		C20E		C20F	
	DIMENSION A	DIMENSION B	DIMENSION A	DIMENSION B	DIMENSION A	DIMENSION B	DIMENSION A	DIMENSION B	DIMENSION A	DIMENSION B
1.27	12.250/311.15	17.194/436.73	14.312/363.52	19.256/489.10	14.825/376.56	20.078/509.98	16.861/428.27	22.011/559.08	18.892/479.86	24.042/610.67
1.41	11.840/300.74	17.149/435.58	13.899/353.03	19.049/483.84	14.931/379.25	20.081/510.06	16.971/431.06	22.011/559.08	19.002/482.65	24.042/610.67
1.48	12.326/313.08	17.270/438.66	13.878/352.50	19.131/485.93	14.907/378.64	20.057/509.45	16.951/430.56	21.991/558.57	18.981/482.12	24.021/610.13
1.58	12.205/310.01	17.149/435.58	13.756/349.40	19.009/482.83	14.788/375.62	20.041/509.04	16.830/427.48	21.980/558.29	18.861/479.07	24.011/609.88
1.69	12.290/312.17	17.234/437.74	13.839/351.51	18.989/482.32	14.876/377.85	20.026/508.66	16.923/429.84	22.073/560.65	18.961/481.61	24.111/612.42
1.79	11.958/303.73	17.211/437.16	14.045/356.74	18.989/482.32	15.072/382.83	20.016/508.41	17.127/435.03	22.071/560.60	19.168/486.87	24.112/612.44
1.88	12.129/308.08	17.169/436.09	13.690/347.73	18.999/482.57	14.717/373.81	20.026/508.66	16.773/426.03	22.026/559.46	18.814/477.88	24.067/611.30
1.97	12.306/312.57	17.250/438.15	13.870/352.30	19.020/483.11	14.912/378.76	20.062/509.57	16.970/431.04	22.010/559.05	19.016/483.01	24.056/611.02
2.03	11.896/302.16	17.149/435.58	13.984/355.19	19.024/483.21	15.028/381.71	20.068/509.73	17.086/433.98	22.030/559.56	19.132/485.95	24.076/611.53
2.27	12.240/310.90	17.184/436.47	13.811/350.80	19.064/484.23	14.856/377.34	20.006/508.15	16.920/429.77	21.960/557.78	18.971/481.86	24.011/609.88
2.46	11.941/303.30	17.194/436.73	14.036/356.51	19.082/484.68	15.087/383.21	20.031/508.79	17.154/435.71	22.098/561.29	19.205/487.81	24.149/613.38
2.68	12.169/309.09	17.209/437.11	13.746/349.15	18.999/482.58	14.793/375.74	20.046/509.17	16.865/428.37	22.015/559.18	18.923/480.64	24.073/611.45

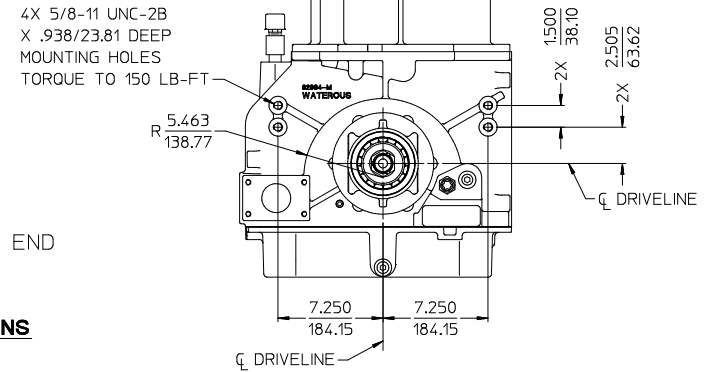
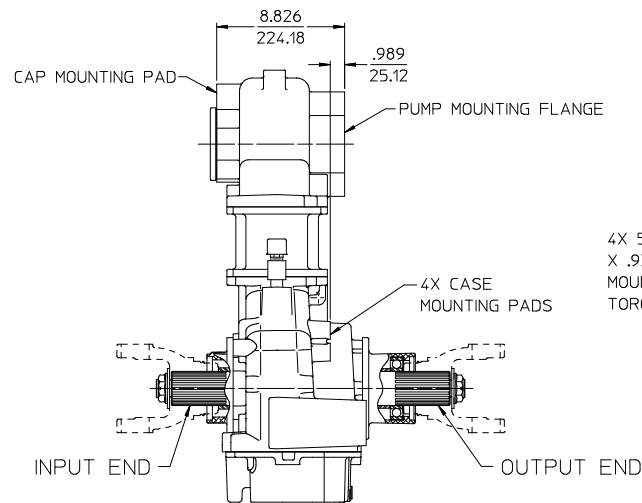
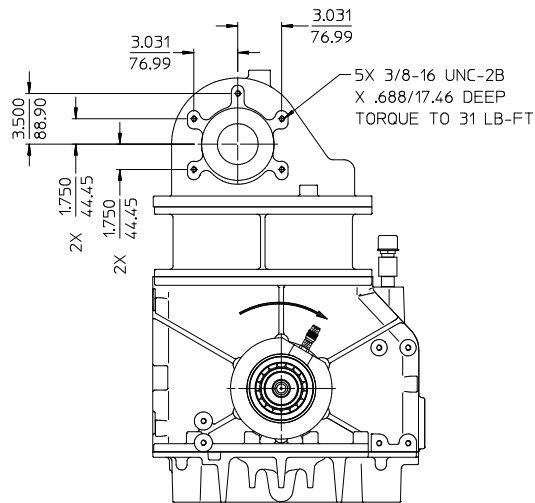
RATIO AND DROP DIMENSIONS

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

(
INCH
MILLIMETER)

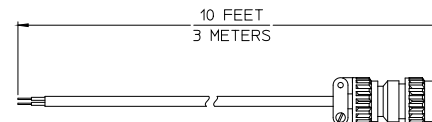
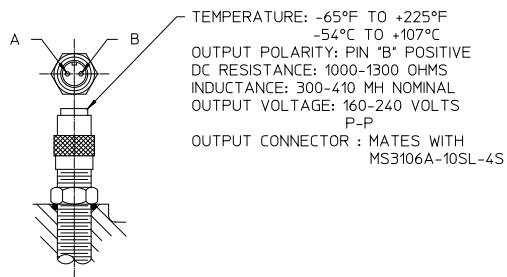


**MOUNTING BRACKET ATTACHMENT LOCATIONS
FRONT MOUNTED (INPUT SIDE)**

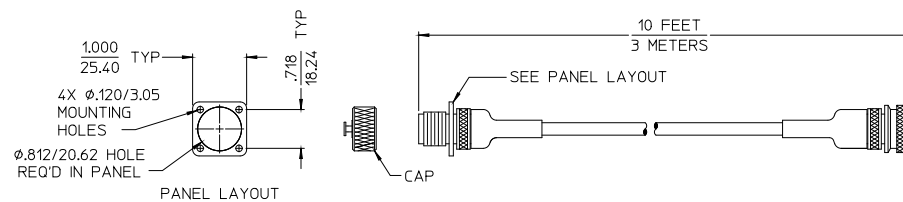


**MOUNTING BRACKET ATTACHMENT LOCATIONS
REAR MOUNTED (OUTPUT SIDE)**

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
(INCH
MILLIMETER)

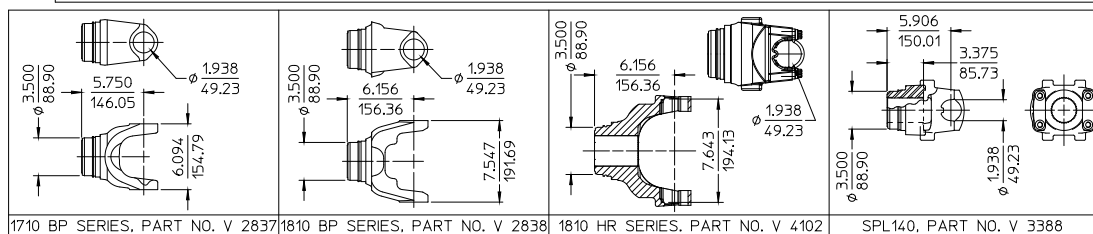


ORDER PART NO. V 3398



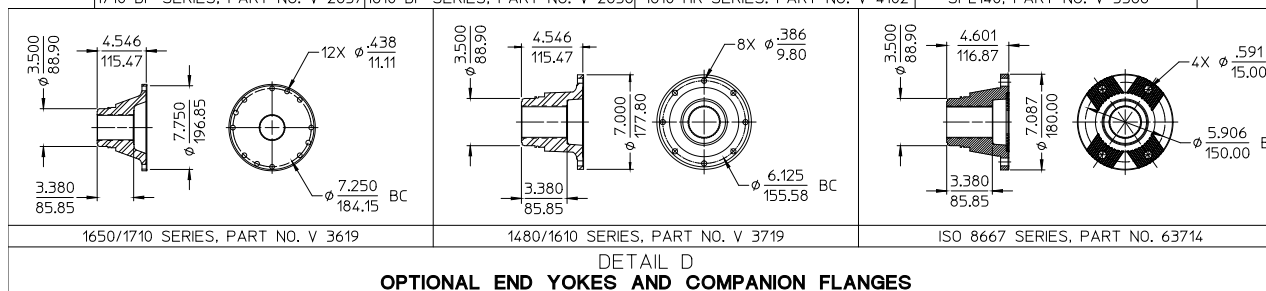
OPTIONAL CABLES

DETAIL C ELECTRONIC TACHOMETER CONNECTION

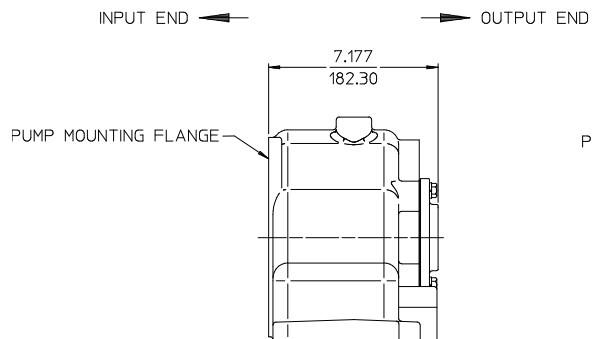


1-1/4-18 UNEF NUT WITH WASHER
 TORQUE NUT TO 475-525 LB-FT

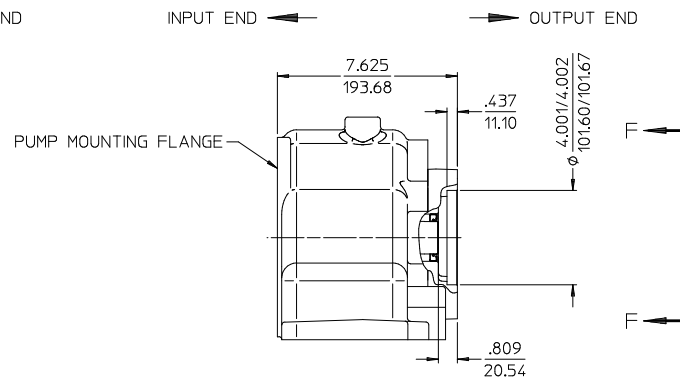
DETAIL E
 COMPONENTS INCLUDED ON DRIVELINES



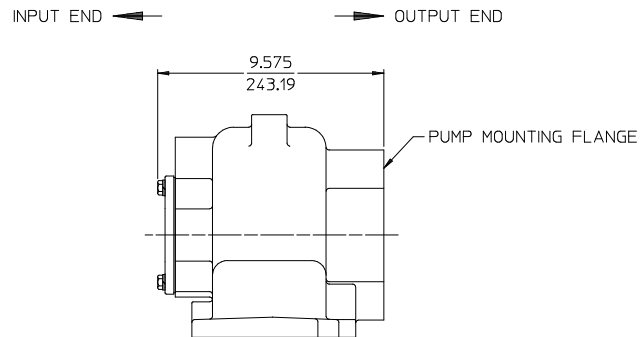
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
 (INCH
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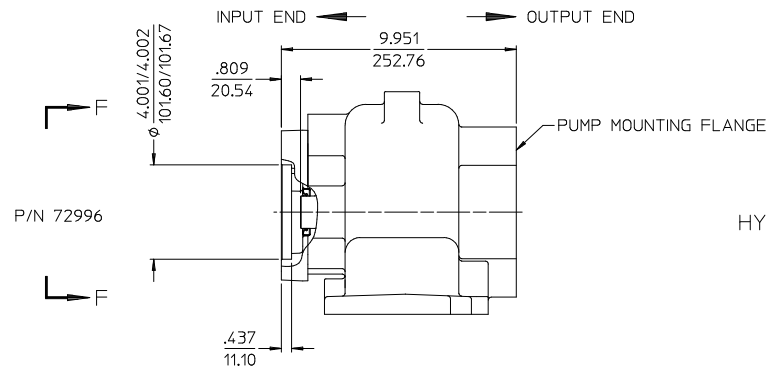
FRONT MOUNTED (INPUT SIDE)
WITHOUT SAE HYDRAULIC FLANGE



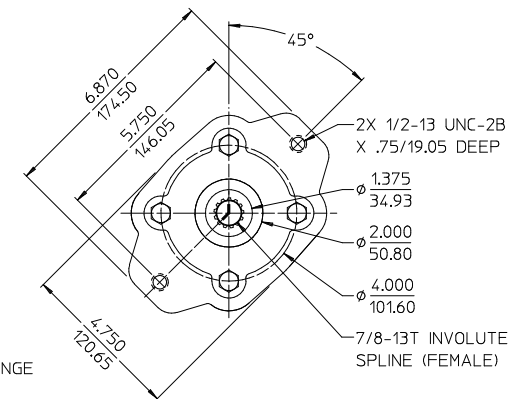
FRONT MOUNTED (INPUT SIDE)
WITH SAE HYDRAULIC FLANGE



REAR MOUNTED (OUTPUT SIDE)
WITHOUT SAE HYDRAULIC FLANGE



REAR MOUNTED (OUTPUT SIDE)
WITH SAE HYDRAULIC FLANGE



VIEW F-F
HYDRAULIC PUMP ADAPTER FLANGE
USED FOR SAE J744 CLASS B 2-BOLT
HYDRAULIC PUMP WITH MALE
7/8-13T 16/32 PITCH INVOLUTE SPLINE

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
($\frac{\text{INCH}}{\text{MILLIMETER}}$)