

DURST

*Next
Generation*

**HYDRAULIC
PUMP
DRIVES**

(Patent No. 7,152,711)



Driven by DURST

HYDRAULIC PUMP DRIVES

Advanced Modular Design (Patented) – Bearings and gears self-contained within cast iron split housing

Flexibility – More gear ratios accommodate wider range of applications

Interchangeable – Terrell, Federal and all major brands

Simplicity – Fewer parts, common in all models

Ball Bearings – New large ball bearings make servicing and assembly much easier

Improved Durability – Wet spline design provides constant oil flow across splines

Higher Rating – Now up to 1025 HP (2,150 ft-lb)

Easier Field Service – New design allows complete serviceability without needing specialty tools

Availability – Faster delivery due to part commonality

Quiet Gears – AGMA Class 10, solid-on-shaft gears provide quiet operation and uniform alignment

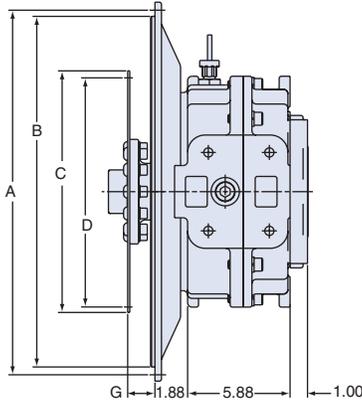
Pump Drive Quick Selection Guide

MODEL	MAX. TORQUE (FT-LB)	INPUT STYLE†	FLYWHEEL HSG. SIZE	RATIO INC. OR DEC.	PUMP ADAPTERS	PUMP CENTER DISTANCE
SINGLE PUMP DRIVE (DIRECT)						
Zero Offset Direct Drive	1,250	P	2,3,4,5,6	N/A (direct)	A,B,C,D,E	N/A
1751D	1,250	P	1,2,3,4,5	N/A (direct)	A,B,C,D,E	N/A
SINGLE PUMP DRIVE (GEARED)						
1PD06	1,040	P,C,S	0,1,2,3,4	Up to 1.67	A,B,C,D,E,F	6.00
1PD09	1,710	P,C,S	0,1,2,3,4	Up to 2.00	A,B,C,D,E,F	9.00
TWO PUMP DRIVE						
2PD06	1,040	P,C,S	0,1,2,3,4	Up to 1.67	A,B,C,D,E,F	12.00
2PD08	1,525	P,C,S	0,1,2,3,4	Up to 1.53	A,B,C,D,E,F	16.00
2PD10	1,995	P,C,S	0,1,2,3,4	Up to 1.38	A,B,C,D,E,F	21.00
THREE PUMP DRIVE						
3PD06	1,040	P,C,S	0,1,2,3,4	Up to 1.52	A,B,C,D	8.49 x 12.38
3PD08	1,525	P,C,S	0,1,2,3,4	Up to 1.53	A,B,C,D,E,F	13.29 x 12.00
3PD10	1,995	P,C,S	0,1,2,3,4	Up to 1.38	A,B,C,D,E,F	15.91 x 18.00
FOUR PUMP DRIVE						
4PD08	1,525	P,C,S	0,1,2,3,4	Up to 1.53	A,B,C,D,E,F	11.08 x 11.54
4PD09	1,710	P,C,S	0,1,2,3,4	Up to 1.40	A,B,C,D,E,F	12.18 x 13.25
4PD11	2,150	P,C,S	0,1,2,3,4	Up to 1.39	A,B,C,D,E,F	16.05 x 16.00
FIVE PUMP DRIVE						
5PD08						
AVAILABLE THIRD QUARTER 2010						
SIX PUMP DRIVE						
806	1,260	P,C,S	1,2 or 3	Up to 1.66 (Dual)	A,B,C,D or E	8.00 to 18.75

† Input Style: P = Plate Driven C = Clutch Driven S = Shaft Driven

INPUT ADAPTATIONS

Drive Plate Options



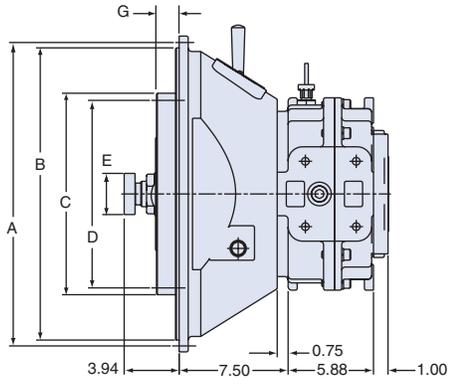
Flywheel Housing Options

SAE NO.	A	B
0	26.750	25.500
1	20.875	20.125
2	18.375	17.625
3	16.875	16.125
4	15.000	14.250

SAE Drive Plate Options

SAE NO.	C	D	G
8	10.375	9.625	2.438
10	12.375	11.625	2.125
11-1/2	13.875	13.125	1.562
14	18.375	17.250	1.000
18	22.500	21.375	0.625

Clutch Options



SAE Clutch Options

CLUTCH TORQUE SIZE (FT LBS)	C	D	E	G	
10"	328	12.375	11.625	2.834	2.125
11-1/2"	387	13.875	13.125	2.834	1.562
11-1/2" DP	910	13.875	13.125	2.834	1.562
14" DP	1620	18.375	17.250	3.149	1.000

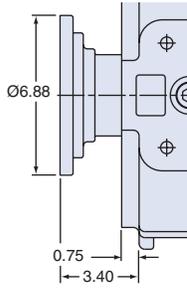
SAE Clutch Housing Options

SAE SIZE	A	B
1	20.875	20.125
2	18.375	17.625
3	16.875	16.125

Input Shaft/Flange Options

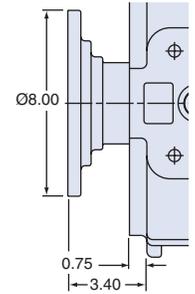
Option #1

Companion Flange Spicer 1610 Series

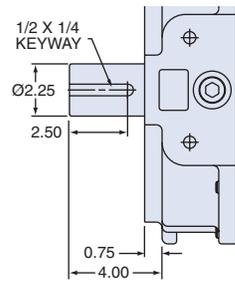


Option #2

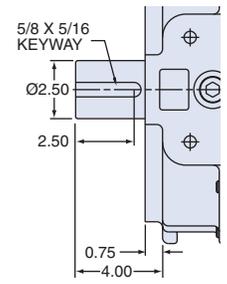
Companion Flange Spicer 1810 Series



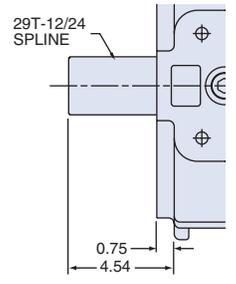
Option #3



Option #4



Option #5



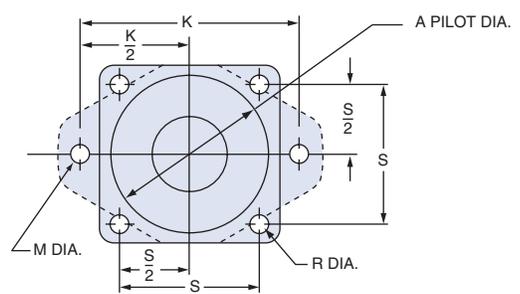
PUMP ADAPTATIONS

SAE Adapter Plates

MOUNTING FLANGE & SHAFT SIZE	Pump Adapter Plates				PILOT DIA. A
	2 BOLT TYPE		4 BOLT TYPE		
	K	M	S	R	
A	4.188	0.438	•	•	3.250
B	5.750	0.562	3.536	0.562	4.000
C	7.125	0.688	4.508	0.562	5.000
D	9.000	0.812	6.364	0.812	6.000
E	12.500	1.062	8.839	0.812	6.500
F	13.781	1.062	9.745	1.062	7.000

SAE Shaft Adapters

SAE	SPLINED
	TEETH & PITCH
A	9T-16/32
B	13T-16/32
BB	15T-16/32
C	14T-12/24
CC	17T-12/24
D	13T-8/16
E	13T-8/16
F	15T-8/16
-	21T-16/32
-	23T-16/32
-	27T-16/32



CAUTION Always insure your powertrain is free of torsional vibrations. DURST is not responsible for damage or failure due to unaddressed torsional vibrations.

NOTE: Dimensions subject to change without notice.

Driven by DURST

Since 1932 when Walter Durst converted his poultry farm into a small foundry and iron works, Durst has become a leader in the power transmission industry. In 1967, Durst was acquired by Regal Beloit Corporation (NYSE: RBC), a leading manufacturer of mechanical and electrical motion control and power generation products serving markets throughout the world.

In addition to direct drive and gear driven pump drives, Durst manufactures bevel, worm, irrigation and parallel shaft drives as well as shifting transmissions, transfer cases, opening gearing and turning gears for a multitude of applications. As a division of Regal Beloit, Durst is a company that truly provides products "at the heart of what drives your world."



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