



Pilotless Mechanical Power Take-off



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Industrial engine applications are more demanding than ever. Customers need a solution rugged enough to meet those demands and WPT Power has engineered that solution with the *WPT Pilotless Mechanical Power Take-off*. This design eliminates the pilot bearing and increases side load capacity over previous generations of PTO products. The WPT Pilotless Mechanical Power Take-off will optimize your cost by reducing inventory, increasing uptime and engine life, and simplifying installation time.

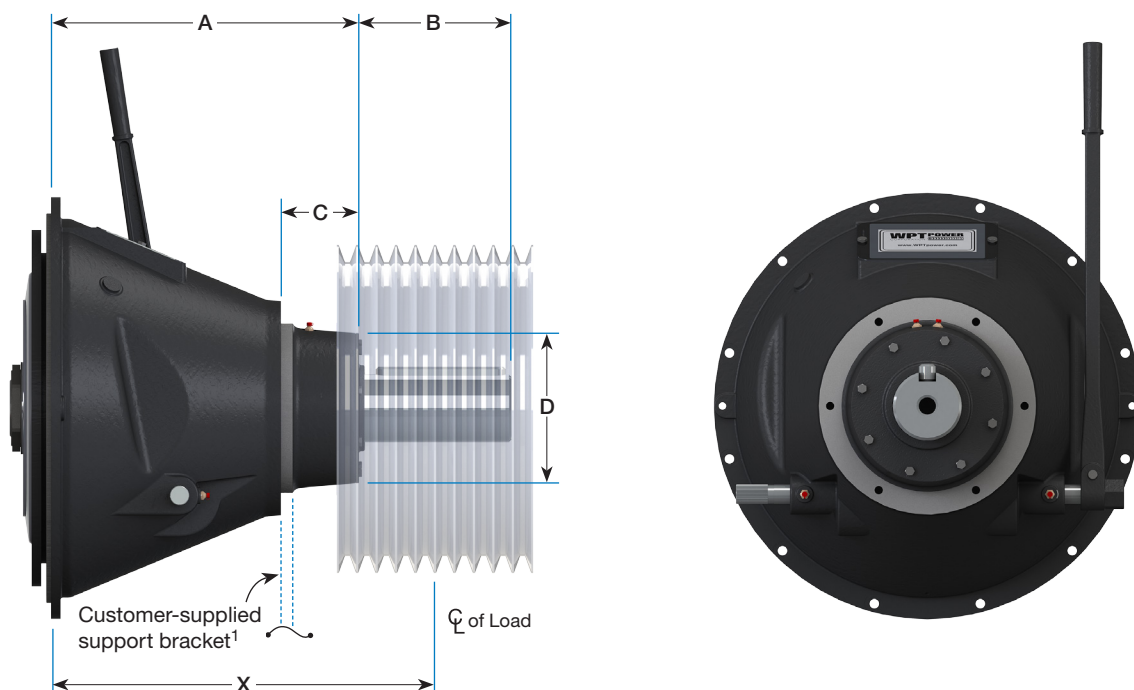
- Dual spherical roller main bearing design.
- Time savings for assembly due to no pilot bearing alignment required.
- Most sizes fit within envelope of previous design.
- No direct loading to engine crankshaft increases life of engine bearings.
- No installation related engine thrust bearing damage.
- 100% equipped with ball-bearing engagement collars.
- Increased side load capacity

Model	SAE Housings	A	Output Shaft			C	D	Weight lb (kg)	# of Teeth
			B	Dia	Keyway				
WPL 106	5, 4	8.45 (214.6)	2.18 (55.4)	1.438 (36.53)	3/8 x 3/16 (9.5 x 4.8)	2.47 (62.7)	4.44 (112.8)	72 (33)	42
WPL 107	5, 4	8.45 (214.6)	2.18 (55.4)	1.438 (36.53)	3/8 x 3/16 (9.5 x 4.8)	2.47 (62.7)	4.44 (112.8)	75 (34)	47
WPL 108	4	8.4 (213.4)	4.66 (118.4)	1.750 (44.45)	1/2 x 1/4 (12.7 x 6.4)	3.02 (76.7)	4.84 (122.9)	88 (40)	51
WPL 110	4, 3	9.78 (248.4)	3.94 (100.1)	2.250 (57.15)	5/8 x 5/16 (15.9 x 7.9)	3.52 (89.4)	5.75 (146.1)	125 (57)	63
WPL 111	3	11.48 (291.7)	4.04 (102.6)	2.250 (57.15)	5/8 x 5/16 (15.9 x 7.9)	11.13 (282.7)	5.75 (146.1)	162 (73)	72
WPL 211	3, 2	12.60 (320.0)	3.64 (92.5)	2.500 (63.50)	5/8 x 5/16 (15.9 x 7.9)	4.25 (108.0)	6.75 (171.5)	218 (99)	72
WPL 311 ¹	3, 2	15.78 (400.8)	8.03 (204.0)	3.500 (88.90)	7/8 x 7/16 (22.2 x 11.1)	3.71 (94.2)	7.75 (196.9)	343 (156)	72
WPL 114	1	13.63 (346.2)	5.14 (130.6)	3.000 (76.20)	3/4 x 3/8 (19.1 x 9.5)	3.75 (95.2)	6.75 (171.5)	275 (125)	59
WPL 214 ¹	1, 0	16.20 (411.5)	7.55 (191.8)	3.500 (88.90)	7/8 x 7/16 (22.2 x 11.1)	4.34 (110.2)	7.75 (196.9)	407 (185)	59
WPL 314 ¹	1, 0	17.05 (433.1)	7.50 (190.5)	3.938 (100.01)	1 x 1/2 (25.4 x 12.7)	3.92 (99.6)	8.25 (209.6)	470 (213)	59

¹ Support plate for 311, 214, 314 is required for sideload applications and recommended for inline applications.

OEM Mechanical Clutch Packs

OEM over-center clutch packs are available for manufacturers of gear boxes requiring a disconnect clutch. WPT Power can furnish a complete package under one part number that includes the clutch and all needed accessories.



"X" Distance Inches (mm) · Allowable Sideload¹ lbf (kgf)								Maximum Input Torque² lbf·ft (N·m)	Maximum Speed² r/min
Model	r/min	"X"	Sideload	"X"	Sideload	"X"	Sideload		
WPL 106	1800	9 (229)	2,000 (910)	10 (254)	1,610 (730)	11 (279)	1,360 (610)	171 (232)	3500
	2500		2,000 (910)		1,610 (730)		1,360 (610)		
	3500		1,910 (860)		1,540 (700)		1,290 (590)		
WPL 107	1800	9 (229)	2,000 (910)	10 (254)	1,610 (730)	11 (279)	1,360 (610)	191 (259)	3200
	2500		2,000 (910)		1,610 (730)		1,360 (610)		
	3200		1,960 (890)		1,580 (720)		1,330 (600)		
WPL 108	2100	9 (229)	2,740 (1240)	11 (279)	1,900 (860)	13 (330)	1,250 (570)	248 (336)	3100
	2400		2,730 (1240)		1,900 (860)		1,250 (560)		
	3100		2,440 (1110)		1,710 (780)		1,130 (510)		
WPL 110	2100	10 (254)	3,360 (1520)	12 (305)	2,370 (1070)	14 (356)	1,810 (820)	354 (481)	2800
	2300		3,270 (1480)		2,310 (1050)		1,780 (810)		
	2500		3,190 (1450)		2,250 (1020)		1,740 (790)		
WPL 111	2100	11 (279)	4,340 (1970)	13 (330)	3,100 (1410)	15 (381)	2,410 (1090)	487 (660)	2500
	2300		4,220 (1920)		3,020 (1370)		2,350 (1060)		
	2500		4,120 (1870)		2,940 (1340)		2,290 (1040)		
WPL 211	2100	12 (305)	6,690 (3030)	14 (356)	4,750 (2160)	16 (406)	3,690 (1670)	974 (1321)	2500
	2300		6,510 (2950)		4,630 (2100)		3,590 (1630)		
	2500		6,350 (2880)		4,510 (2050)		3,500 (1590)		
WPL 311	2100	17 (432)	4,780 (2170)	19 (483)	3,670 (1660)	23 (584)	2,500 (1130)	1746 (2367)	2500
	2300		4,650 (2110)		3,570 (1620)		2,430 (1100)		
	2500		4,540 (2060)		3,480 (1580)		2,370 (1080)		
WPL 114	1800	14 (356)	4,270 (1940)	16 (406)	3,150 (1430)	18 (457)	2,490 (1130)	862 (1169)	2300
	2100		4,080 (1850)		3,000 (1360)		2,380 (1080)		
	2300		3,970 (1800)		2,920 (1330)		2,310 (1050)		
WPL 214	1800	18 (457)	4,890 (2220)	20 (508)	3,890 (1770)	24 (610)	2,760 (1250)	1724 (2337)	2300
	2100		4,670 (2120)		3,720 (1690)		2,640 (1200)		
	2300		4,550 (2060)		3,620 (1640)		2,570 (1160)		
WPL 314	1800	18 (457)	6,310 (2860)	22 (559)	4,040 (1830)	24 (610)	3,420 (1550)	2586 (3506)	2300
	2100		6,030 (2730)		3,850 (1750)		3,270 (1480)		
	2300		5,870 (2660)		3,750 (1700)		3,180 (1440)		

² Contact WPT Power applications engineering for questions or assistance.

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