

# LINGENFELTER

## P E R F O R M A N C E   E N G I N E E R I N G

Table 1 - belt length and idler pulley diameters required for different LSA supercharger pulley and damper pulley combinations.										
Crank Pulley PN (Crank only OD%)	Supercharger Pulley	Supercharger Pulley PN	Belt	Belt PN	Upper Idler	Lower Idler	Idler Bracket (PN)	Pulley Ratio	Total OD%	SC Speed @ 6500 RPM
stock 7.8" (L220646509) - (0%)	stock 3.0"	-	stock 1680mm	12628026	stock 90 mm	stock 70 mm	stock	2.6	N/A	16,900
	2.55" press-on	L220030709	1655mm/65.2"	8PK1655				3.1	18%	19,900
	2.55" 10 bolt	L220300709	1655mm/65.2"	8PK1655				3.1	18%	19,900
	2.38" 10 bolt	L220310709	1643mm/64.5"	K080645				3.3	26%	21,300
8.25" L220060709 (6%)	stock 3.0"	-	stock 1680mm	12628026	stock 90 mm	stock 70 mm	stock	2.8	6%	17,900
	2.55" press-on	L220030709	66.0"	K080660	stock 90 mm			3.2	25%	21,000
	2.55" 10 bolt	L220300709	66.0"	K080660	stock 90 mm			3.2	25%	21,000
	2.38" 10 bolt	L220310709	stock 1680mm	12628026	LPE 100 mm, 0.350" spacer, M10x1.5x60mm cap head screw			3.5	34%	22,500
8.66" L220070709 (11%)	stock 3.0"	-	67.5"	K080675	stock 90 mm	stock 70 mm	stock	2.9	11%	18,800
	2.55" press-on	L220030709	67.0"	K080670				3.4	31%	22,100
	2.55" 10 bolt	L220300709	67.0"	K080670				3.4	31%	22,100
	2.38" 10 bolt	L220310709	-	-				3.6	40%	23,700
9.17" L220170709 (18%)	stock 3.0"	-	67.5"	K080675	stock 90 mm	stock 70 mm	LPE (L220636509)	3.1	18%	19,900
	2.55" press-on	L220030709	67.0"	K080670				3.6	38%	23,400
	2.55" 10 bolt	L220300709	67.0"	K080670				3.6	38%	23,400
	2.38" 10 bolt	L220310709	-	-				3.9	48%	25,000
9.55" L220290709 (23%)	stock 3.0"	-	68.5"	K080685	stock 90 mm	stock 70 mm	LPE (L220636509)	3.2	23%	20,700
	2.55" press-on	L220030709	67.5"	K080675				3.8	44%	24,300
	2.55" 10 bolt	L220300709	67.5"	K080675				3.8	44%	24,300
	2.38" 10 bolt	L220310709	67.5"	K080675				4.0	54%	26,000
10.0" L220380709 (28%)	stock 3.0"	-	70.0"	K080700	stock 90 mm	stock 70 mm	LPE (L220636509)	3.3	28%	21,700
	2.55" press-on	L220030709	68.5"	K080685				3.9	51%	25,500
	2.55" 10 bolt	L220300709	68.5"	K080685				3.9	51%	25,500
	2.38" 10 bolt	L220310709	68.5"	K080685				4.2	62%	27,300
9.73" 10 rib L220450709 - (requires 10 rib tensioner pulley)	2.70" 10 rib	XX03873-0004	67.5"	K100675	LPE 76 mm, 0.350 spacer, M10x1.5x60mm cap head screw	LPE 76 mm, 0.200 spacer, M10x1.5x60mm cap head screw	LPE (L220636509)	3.5	35%	22,800
	Supercharger speeds above 23,000 RPM are not recommended. To calculate supercharger speed, multiply your maximum engine speed by the pulley ratio value listed above.									
	Pulley ratios above 35% should only be used in applications with proportionally lower maximum engine speeds (below 6500 RPM).									
	For applications where the crank pulley diameter is greater than or equal to 9.17", LPE idler relocation bracket (PN: L220636509) is required in order to provide enough clearance between the crank pulley and the lower idler pulley. For bearing durability reasons LPE does not recommend using idler pulleys smaller than 70mm.									
	An LPE idler pulley is required for these pulley/belt combinations.									