










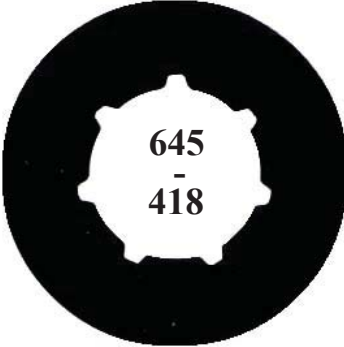

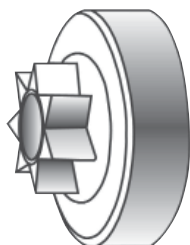


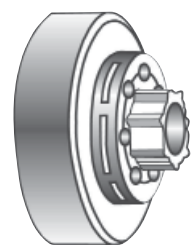
RIM SPROCKETS

<p>MINI 7</p>  <p>mini 7</p>	 <p>645 - 337</p>	 <p>645 - 837</p>	
<p>SMALL 7</p>  <p>SM7</p>	 <p>645 - 327</p>	 <p>645 - 328</p>	 <p>645 - 827</p>
<p>STANDARD 7</p>  <p>STD 7</p>	 <p>645 - 817</p>	 <p>645 - 417</p>	 <p>645 - 818</p>
	 <p>645 - 418</p>	 <p>645 - 319</p>	



Carlton Sprocket Technical Tip:

Worn sprocket rims are more difficult to detect than worn spur sprockets. Carlton Company strongly recommends a new sprocket with every new saw chain. In the process you can eliminate many of your customers' complaints about chain "stretch" and prolong the life of a new Carlton saw chain.

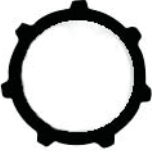




REPLACEMENT RIM SPROCKETS / SEGMENTS

Part#	Carlton#	Windsor#	Oregon#	G.B.#	Pitch	Spline	Teeth
645-129					1/4	Sm 7	9
645-327	K27SR	04-3272	11892	GBJ7S7	.325	Sm 7	7
645-328	K28SR	04-3282	11891	GBJ8S7	.325	Sm 7	8
645-337	K37SR			GBJ7M7	.325	Mini 7	7
645-319	K19SR			GBJ9L7	.325	Std 7	9
645-817	A17SR	04-3771	68210	GBA7L7	3/8	Std 7	7
645-818	A18SR	04-3781	22273	GBA8L7	3/8	Std 7	8
645-827	A27SR	04-3772	18720	GBA7S7	3/8	Sm 7	7
645-837	A37SR	04-4071		GBA7M7	3/8	Mini 7	7
645-417	B17SR		22270	GBB7L7	.404	Std 7	7
645-418	B18SR		13313	GBB8L7	.404	Std 7	8



RIM SPROCKET / SEGMENTS ACTUAL SIZE

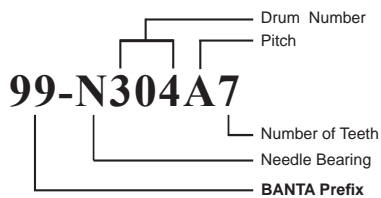
MINI 7 (Mini 7)	SMALL 7 (Sm 7)	STANDARD 7 (Std 7)
 <p>Rims available</p> <ul style="list-style-type: none"> 645-337 (.325) 645-837 (3/8) 	 <p>Rims available</p> <ul style="list-style-type: none"> 645-129 (1/4) 645-327 (.325) 645-328 (.325) 645-827 (3/8) 	 <p>Rims available</p> <ul style="list-style-type: none"> 645-319 (.325) 645-817 (3/8) 645-818 (3/8) 645-417 (.404) 645-418 (.404)

The diagrams shown above are the actual size. All you need to do is lie your old Rim Segment over the actual splines diameters shown. After you have determined the diameter of the spline, then go to the chart and order the corresponding pitch and tooth number required. The pitch can be easily determined by using a piece of Saw Chain and the number of teeth required by simply counting the spaces in the old Rim Segment. For Rim Segment to Chain Saw model applications see Banta sprocket application guide.

Spur Sprockets

Example part# 99-N304A7

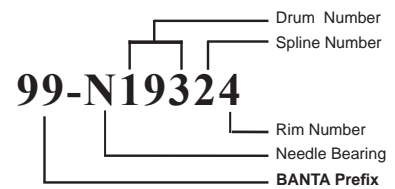
99 - BANTA Prefix
B - Bronze Bushing
N - Needle Bearing
304 - Drum Size
A - Pitch of Chain
7 - Number of Teeth



Rim Sprockets

Example part# 99-N19324

99 - BANTA Prefix
B - Bronze Bushing
N - Needle Bearing
193 - Drum Size
2 - Spline Number
4 - Rim Number


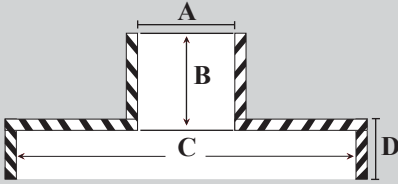



LEGEND

First Two Numbers **99** - Denotes BANTA Prefix
 Second Letter **N** - Denotes Bearing
B - Denotes Bushing
 Letter after drum denotes pitch.
A = 3/8" Pitch
B = .404" Pitch
K = 1/4" Pitch
L = .325" Pitch
M = 3/8" LP Pitch
 Last Number denotes number of teeth on sprocket

LEGEND

First Two Numbers **99** - Denotes BANTA Prefix
 Second Letter **N** - Denotes Bearing
B - Denotes Bushing
 Number after drum denotes spline number:
1 = Standard 7 (.860" inside diameter)
2 = Small 7 (.740" inside diameter)
3 = Mini 7 (.660" inside diameter)
 Last number denotes rim number
1 = 645-817 **4** = 645-327 **7** = 645-319
2 = 645-818 **5** = 645-328
3 = 645-417 **6** = 645-827


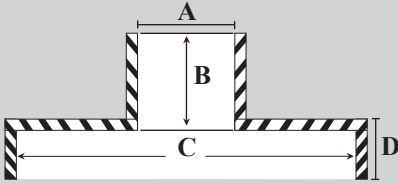

Banta Spur				Sprocket Measurements							Banta Spline & Rim			
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

DOLMAR (Sachs Dolmar) / MAKITA

33, 100, 102, 340, 341, 342, 344, 350, 400, 401, 410, P533, PS34, PS340, PS341, PS342, PS344, PS400, PS411														
3/8 LP	6	99-N362M6			681-160	10.0 .393	14.0 .550	12.0 .472	70.0 2.72	13.4 .528	112135			
103, 105, 108														
.325	8	99-N363L8			681-170	8.0	12.0	12.7	70.0	15.5				398 223 082
112, 113, 114, 116, 117, 119, 120, 120 Super														
.325	8	99-364L8				14.0	18.0	14.3	76.0	15.0				
3/8	7	99-364A7	99-36411	645-817		14.0	18.0	14.3	76.0	15.0	38075X	27189X		119-223-100
3/8	8	99-364A8				14.0	18.0	14.3	76.0	15.0			119 223 100	120 223 101
CA, 122, 122SL, 123, 133, 143, PS9000, CA113, PS6000, PS6800, PS9010														
3/8	8	99-360A8				15.0	18.0	14.1	69.5	21		16372X		123-223-000

ECHO

CS270, CS280, CS280E, CS290, CS300, CS328, CS2800, CS2900														
3/8 LP	6	99-358M6			681-163	8.0 .314	11.0 .433	12.0 .472	59.8 2.35	13.6 .535	27999	38032	175005-13931	
CS302, CS310, CS315, CS330, CS351, CS360														
3/8 LP	6	99-354M6			681-163	8.0 .314	11.0 .433	10.9 .429	69.5 2.74	13.0 .512	28000	38033	175005-11530	
CS340, CS341, CS346, CS3000, CS3050, CS3350, CS3400, CS3450, CS3500, CS320T, CS350T														
3/8 LP	6	99-359M6			681-134	10.0 .393	13.0 .512	13.5 .532	60.0 2.36	13.0 .512	106906X		175005-39132	
CS395 SP, CS400, CS440, CS3600, CS3700, CS3900, CS4100, CS4200, CS4400, CS4500, CS4510, CS420, CS4600														
.325	7	99-357L7				10.0	14.0	10.6	70.0	13.3	38065X	29243X	A556-000171	175105-35430
CS4000, CS4010, CS4500, CS5000, CS5200, CS5500, CS4600, 4000, 4010, 5000, 5200, 5500, CS4601														
.325	7	99-N372L7			681-159	12.0	15.0	12.8	69.9	12.6		34474X		
CS450, CS451, CS451VL, CS452, CS500, CS510, CS550, CS600EVL, CS610, CS650, CS660, TWIN and FARMA.														
3/8	7	99-355A7			681-160	10.0	14.0	12.8	77.3	13.5	32794X	21358X	175005-14330	
CS60, CS60S														
3/8	7	99-N353A7				14.0	17.0	13.6	70.0	17.3	32782X	16208X		175005-00230
CS602, CS702, CS750, CS602VL, CS702VL, CS750VL														
3/8	7	99-N356A7			681-160	10.0	14.0	12.7	77.7	17.0	32798X	26098X	175005-12130	
.404	7	99-356B7			681-160	10.0	14.0	12.7	77.7	17.0				

Banta Spur				Sprocket Measurements							Banta Spline & Rim			
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

ECHO continued


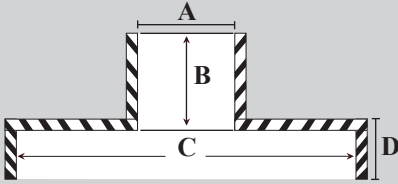

CS6700, CS6701, CS6702, CS6703, CSG80														
3/8	7	99-371A7				12.0	18.0	12.9	77.7	14.1				175105-32430

FRONTIER

MARK I , MARK II , MARK 11 VIP , F35 , FB35, VIP, F3335, F35VIP														
3/8 LP	6	99-N217M6			681-160	10.0 .393	14.0 .551	12.2 .433	58.7 2.29	14.2 .552	28001			

HOMELITE

110 ELECTRIC														
3/8 LP	6	99-N217M6			681-160	.393 10.0	.551 14.0	.433 12.2	2.29 58.7	.552 14.2	28001			
.325	7	99-N217L7			681-134	.393	.512	.433	2.31	.552				
3300, 3314, 3316, 3350, 3800, 3850, 4100, D4150B, D4550B, 4500, 3014, 20, 23, 25, 27														
3/8 LP	6	99-N159M6			681-170	.315 8.0	.472 12.0	.472 12.0	61.8 2.43	.657 16.7	108567		A09024	
XL-MINI, SXL MINI AO, 190, 5240, 200, 192, XL 101, XL, X12, 180, SUPER 2, V1 SUPER 2, XL100, XL2 (3/8" shaft x 2-3/8" clutch)														
1/4	9	99-N158K9			681-158	.375	.555	.503	2.43	.645				
3/8 LP	6	99-N158M6			681-158	.375 9.53	.555 14.1	.503 12.8	2.43 61.8	.645 16.4	27958		A95653B	
240, 245, XL-1, SUPER EZ, MINI EZ, SUPER EZ 200, EZ, 101, 150 AUTO, MINI EZ														
3/8 LP	6	99-N152M6			681-158	.375 9.53	.563 14.3	.500 12.7	2.68 68.2	.653 16.6				
.325	8	99-N152L8			681-158	.375	.563	.500	2.68	.653				
47, 54, 290, 340														
.325	8	99-153L8			681-159	.472	.590	.551	2.73	.653				
3/8	7	99-153A7			681-159	.472	.590	.551	2.73	.653				
XL MINI, SXL MINI AO, (XL-76 / XL-130)														
3/8	7	99-N150A7			225-104	.559	.748	.551	2.70	.665	30432X		A12294	
150 AO, EZ-250 AO, XL MINI, XL-101, V1-123, XL-76 (without brake), EZ, EZ AUTO, SEZ-AO, SXL MINI AO, 330, 350, 350SL, 360, 380, 410														
3/8	7	99-N157A7	99-N15711	645-817	681-157	.625	.750	.551	2.70	.665	30432X	30672X	A12294	A65987A


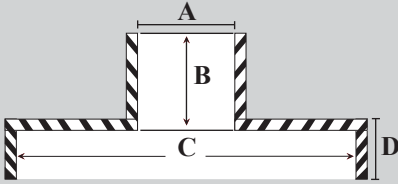

Banta Spur				Sprocket Measurements						Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

HOMELITE continued

XL-76, XL-100, XL-102, XL-103, XL-104, XL-113, XL-114, XL-122, XL-123, V1-123, V1-125, 330, 350, 360, 410 (Bore without bearing: 11/16", Drum OD: 3-1/8") (3" clutch and 9/16" shaft)														
3/8	7	99-N156A7			681-150	.562	.690	.500	3.00	.650				
330, 350, 360, 380, 410, 550 (3" Clutch & 5/8" shaft)														
3/8	7	99-N151A7			681-157	.625	.750	.500	3.00	.810	30688X	30685X	A94302	
XL-12 (before serial No. 1735838), XL-15, XL-400, XL-500, XL-600, XL-700, C-52														
3/8	7	99-N147A7	99-N14711	645-817	681-147	.500	.690	.460	3.10	.710		37990		
XL-12 (after serial No. 1735838), Super XL, XL-AO, Super XL Auto, XL-15, XL-400, XL-500, XL-600, XL-800, XL-850, XL-870, XL-875, XL-901, XL-903, XL-913, XL-914, XL-922, XL-925, V1-944, V1-955, and Super XL-925. (6 shoe Clutch) 921, 924, 5XL922														
3/8	7	99-N148A7		645-817	681-157	.625	.750	.500	3.10	.710	30681X	30666X	A95620	A65990
.404	7	99-N148B7			681-157	.625	.750	.500	3.10	.710				
350, 350P, 350SL, 350PSL (1/2" shaft and 2-5/8" clutch)														
3/8	7	99-N149A7			681-147	.500	.690	.520	2.70	.620			A69436	
XP2000, XP1020 Super, 2000E, 2000 Auto, 2100 Auto, Super 2100 Auto, 650, 750														
3/8	7	99-N134A8				.669	.830	.592	3.10	.920				
EZ, EZ-6, 7-19C, 600D, 700D, 707D, 755D, 770D, 775D, ZIP, Super ZIP, C5, C51, C7, C71, C72, C9, C91, XP1000, XP1020, SXP1020, XP1100, 2150 and 600.														
.404	7	99-N135B7				.562	.750	.620	3.10	.910	22270	10616	A57344	


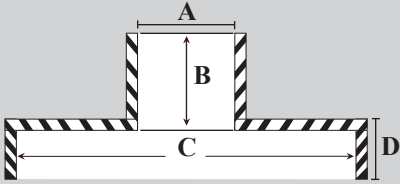

HUSQVARNA

Husky JR 121														
3/8 LP	6	99-B225M6				11.1 .437	14.3 .563	14.0 .551	68.3 2.68	14.0 .551	28006		507-1005-51	
33, 34, 35, 37, 38 (Old Frontier Model)														
3/8 LP	6	99-N217M6			681-160	10.0 .393	14.0 .551	12.2 .480	58.7 2.31	14.2 .558	28001		507-1005-51	
36, 41, 136, 137, 141, 142														
3/8 LP	6	99-N266M6			681-134	10.0 .393	13.0 .512	12.7 .500	63.7 2.51	16.6 .654	41569X		530 06 93-15	
.325	7	99-N266L7	99-26624	645-327	681-134	10.0	13.0	12.7	63.7	16.6	41725X	41726X	530 06 93-42	530 06 93-16
246, 334T, 335, 336, 338, XPT, 339														
3/8 LP	6	99-N108M6			681-160	10.0 .393	14.0 .551	14.0 .551	63.7 2.50	14.7 5.79	522963 522963X		503 8222-71	

Banta Spur					Sprocket Measurements						Banta Spline & Rim			
														

HUSQVARNA continued

39, 44, 140, 235, 240, 240P, 340, 444, PRACTICA 40, 40P, 240P, RANCHER 40															
.325	7	99-N303L7	99-N30324	645-327		11.0	16.0	12.6	68.8	15.7		19117X			501-4541-01
	8	99-N303L8				11.0	16.0	12.6	68.8	15.7					
40, 45, 49															
.325	7	99-N265L7	99-N26524	645-327	681-163	12.7	15.9	13.1	63.7	15.6	106658X	35641X			504-5230-04
50, 51, 55, 154, 254, 257, 262															
.325	7	99-N110L7	99-N11024	645-327	681-163	12.7	15.9	12.8	69.0	15.7	38071X	29175X			505-3036-52
254 (after No. 345-0001), 257 (after No. 314-0001), 262 (after No. 345-0001) (fits crankshaft diameter .500")															
.325	7		99-26724	645-327	681-163	12.7	15.9	12.9	69.0	15.8		100758X			503-7261-01
3/8	7		99-26726	645-827	681-163	12.7	15.9	12.9	69.0	15.8		40070X			503-7009-01
42, 242. (after No 344-1001) and 246 (fits crankshaft diameter .437")															
.325	7		99-N27024	645-327		11.1	15.2	14.8	63.6	14.7		40068			
340, 345, 346XP, 350, 351, 353 and 357 (fits crankshaft diameter .500") For 3/8" pitch order rim part # 645-827 (503-9800-01)															
.325	7	99-N271L7	99-N27124	645-327	681-163	12.7	15.9	14.0	69.0	14.0		108565X			
42, 133, 234, 238, 242, (before No. 3441001)															
.325	7		99-N26824	645-327		11.0	15.9	12.9	63.6	14.7		29105			501-6366-02
362, 365, 371, 372, 372 XP, 385, 570 & 575 XP (fits crankshaft diameter .472")															
3/8	7		99-N27311			12.1	15.9	12.8	78.6	18.2		105771X 106593X			503-7955-01
65, 77, 160, 163, 165, 180, 260, 263, 280, 380, 480															
3/8	8	99-N301A8			681-162	12.8	17.4	12.0	78.7	17.7	32125			501-6747-01	
.404	7	99-N301B7			681-162	12.8	17.4	12.0	78.7	17.7	32125	24256			501-2037-01
181, 185, 281, 285, 288, 298, 394, 395, 395XP, 1100, 2100, 2101															
3/8	8		99-N30212	645-818		14.3	17.4	15.0	78.8	17.7					
.404	7		99-N30213	645-417		14.3	17.4	15.0	78.8	17.7	39245	22132X	501-2930-01		501-5978-01


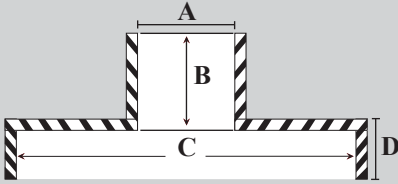

Banta Spur					Sprocket Measurements						Banta Spline & Rim			
														

HUSQVARNA continued

61, 66, 162, 222, 266, 268, 272, Rancher 61 (Crankshaft Diameter: .500")															
3/8	7	99-N304A7	99-N30411	645-817	681-169	12.8	16.7	12.7	78.6	16.7	102469	26831	501-5140-01	501-8316-01	
357, 359, 359EP, 355, 357 XP															
3/8	7		99-N30511	645-817	681-163	12.8	15.9	14.4	69.0	14.6		108565X		503-9348-71	
385, 385XP, 385XPG, 390, 395 (Crankshaft Diameter: .472")															
3/8	7		99-N30611	645-817	681-163	12.8	15.9	13.4	78.6	18.6		111590X		537-1379-71	


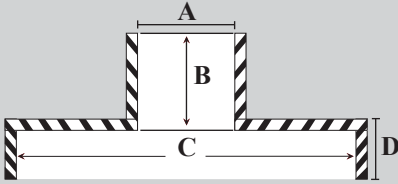

JOHN DEERE

8, 9, 61, 81, 91															
3/8 LP	6	99-N238M6				9.53 .375	12.7 .500	11 .433	57.3 2.25	12.5 .494					
25EV															
3/8 LP	6	99-358M6				8.0 .315	11.0 .433	12.0 .472	59.8 2.35	13.5 .531	27999				
28, 30, 35, 40 and 40V															
3/8 LP	6	99-354M6				8.0 .315	11.0 .433	11.0 .433	69.8 2.74	12.8 .501	28000				
12, 15															
1/4	9	99-N237K9				11.0	15.8	11.0	69.6	14.6					
17, 19															
3/8	7	99-N147A7	99-N14711	645-817	681-147	12.7	17.5	10.3	78.7	18.0					
45, 46, 450															
.325	7	99-357L7			681-160	10.0	14.0	11.0	69.9	13.4		513442			
56, 62															
.325	7		99-26724	645-327	681-163	12.7	15.9	12.8	69.0	15.8		100758X			
50V, 55V, 65E															
3/8	7	99-355A7			681-160	10.0	14.0	12.0	77.2	13.4	32794X	21358X			
60V, 70V, 80V															
3/8	7	99-356A7			681-160	10.0	14.0	13.0	78.0	17.1					
.404	7	99-356B7			681-160	10.0	14.0	13	77.6	16.7					

Banta Spur				Sprocket Measurements						Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

JONSEREDS

LIL' JON, LIL' JON AUTO														
3/8 LP	6	99-B225M6				11.1 .437	14.3 .563	14.0 .551	68.3 2.68	14.0 .551				
PRO 35														
3/8 LP	6	99-264M6				8.0 .315	11.0 .432	11.0 .432	58.5 2.29	15.5 .612				
36, 361, 365, 370, 380														
3/8 LP	6	99-N217M6			681-160	10.0 .393	14.0 .551	12.2 .480	58.7 2.31	13.8 .543	28001		507-1005-51	
2033														
3/8 LP	6	99-N108M6			681-160	10.0 .393	14.0 .551	14.0 .551	63.7 2.50	14.7 .579				
2035, 2036, 2040, 2041, 2137, 2138														
3/8 LP	6	99-N266M6			681-134	10.0 .393	13.0 .512	12.7 .500	63.7 2.51	16.6 .654	41569X		530-047061	
.325	7	99-N266L7	99-N26624	645-327	681-134	10.0	13.0	12.7	63.7	16.6	41725X	41726X	5300693-42	5300693-16
450, 455, 510, 520, 525, 535, 540, 2044, 2051, 2052, 2054, 2055														
.325	7		99-N21824	645-327	681-161	12.0	16.0	14.0	63.5	16.0		33807X		
.325	8	99-N218L8			681-161	12.0	16.0	14.0	63.5	16.0		26950X		50452-3007
45, 49, 50, 51, 52, 451, 452, 521														
.325	8	99-N260L8			681-163	12.7	15.9	14.1	74.4	16.3		21238X		50452-3000
490, 590														
.325	7	99-N110L7	99-N11024	645-327	681-163	12.7	15.9	12.8	69.0	15.7	38071X	29175X		50530-3652
2041, 2045, 2050, 2063, 2145, 2149, 2150														
.325	7	99-N265L7	99-N26524	645-327	681-163	12.7	15.9	13.4	69.0	14.3	106658X	35641X		504-5230-04
60, 61, 62, 66, 70, 601, 621														
3/8	8	99-N261A8				15.0	19.0	16.9	74.0	17.0				
.404	7	99-N261B7				15.0	19.0	16.9	74.0	17.0				
2041, 2045, 2050, 2141, 2145, 2149, 2150, 2151, 2152, 2153, 2156, 2159, 2245, 2250														
.325	7	99-N271L7	99-N27124	645-327	681-163	12.7	15.9	14.0	69.0	14.0	108308X	108565X 108215X		
2063, 2065, 2071 (you need to reuse spacer for Jonsereds applications), 2171, 2163														
3/8	7		99-N27311			12.1	15.9	12.8	78.6	18.2		106593X		503-9324-01

Banta Spur					Sprocket Measurements						Banta Spline & Rim			
														

JONSEREDS continued

75, 80, 81, 90, 751, 801, 910, RACKET															
3/8	8	99-N262A8					15.0	19.0	16.8	79.1	16.0		265580X		
.404	7	99-N262B7					15.0	19.0	16.8	79.1	16.0				
625, 635, 630, 630 SUPER, 630 Westcoast & 670															
3/8	7	99-N304A7	99-N30411	645-817	681-169		12.8	16.7	12.7	78.6	16.7	102469	26831	501-5140-01	501-8316-01
820, 830, 910, 920, 930															
3/8	7	99-263A7			681-157		14.0	18.0	14.7	88.8	18.0				
3/8	8	99-263A8			681-157		14.0	18.0	14.7	88.8	18.0		28563X		
1020															
3/8	7	99-N197A7	99-N19711				14.0	19.0	16.6	2.90	18.7	32778X	12667X		
2077, 2083															
3/8	7	99-269A7		(Sprocket drum not notched) - 3.08"			12.0	16.0	12.7	78.7	17.6		102383X		503-438401
3/8	7	99-N277A7		(Sprocket drum notched - 2 sides) - 3.08"			12.0	16.0	12.7	78.7	17.6				


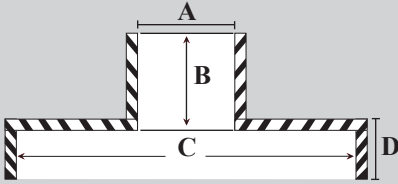

LOMBARD

PONY															
3/8 LP	6	99-N217M6			681-134		.393 10.0	.551 14.0	.433 11.0	2.29 58.1	.559 14.2				
AL42, AL51, COMANGO, GLP-500, SUPER LIGHTNING I, II, III, IV, V															
3/8	7	99-N156A7			681-150		.562	.690	.500	3.00	.650				

MAKITA - see DOLMAR / MAKITA heading

McCULLOCH

MINI-MAC, MINI-MAC 6, 25, 30, 35, MAC 6, 110-140, 3214, 3216, 3516, 3818, POWERMAC 310-340, 365, 480, PROMAC 3205, 3805, 200-2016, 2316, 2318, 3000, 3210-3216, SUPER PRO 40, TITAN 7, TITAN 35, TITAN 40, EAGER BEAVER															
1/4	8	99-N174K8			681-160		.393	.551	.476	2.75	.590				
3/8 LP	6	99-N174M6			681-160		.393 10.0	.551 14.0	.476 12.0	2.75 70.0	.590 15.0	29888		215252	


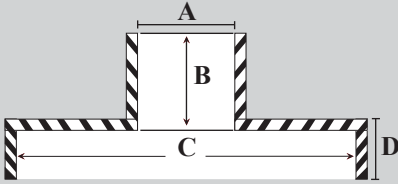

Banta Spur					Sprocket Measurements					Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

McCULLOCH continued

PM36, PM40, PM46														
.325	7	99-N174J7	Drilled hole in spur for oiler - 2.735"		681-160	10.0	14.0	12.0	70.0	15.0				
PM350, PM3500, PM4000														
.325	7	99-N174L7			681-160	10.0	14.0	12.0	70.0	15.0				
PM5000														
.325	7	99-N271L7	99-N27124	645-327	681-163	12.7	15.9	13.4	69.0	14.3				
PM6800														
3/8	8	99-360A8				15.0	18.0	14.0	69.5	21.0				
PRO MAC 55, 60, 155, 165, 355, 375, 515, 610, 650, 655, 700, 805, 850, SP-60, CP-70, SP-70, MAC 1-10 thru 10-10														
3/8	7	99-N176A7	99-N17611	645-817	681-163	12.7	15.9	12.9	84.8	21.2	32786	68209	65370	

MONTGOMERY WARD

24000A, 24002A														
3/8 LP	6	99-N238M6				.375 9.53	.500 12.7	.433 11.0	2.25 57.3	.494 12.5				
24062, 24064, 26066, 24068														
1/4	8	99-N174K8			681-160	.393	.551	.476	2.75	.590				
3/8 LP	6	99-N174M6			681-160	.393 10.0	.551 14.0	.476 12.1	2.75 70.0	.590 15.0				
24032, 24033, 24035, 24072, 24075														
1/4	9	99-N237K9				.433	.622	.433	2.74	.574				
24031, 24036, 24037, 24038, 24040, 24045, 24085, 24089, 24090, 24094, 24095, 24096														
3/8	7	99-N147A7	99-N14711	645-817	681-147	.500	.690	.460	3.10	.710		37990		
24084, 24086														
3/8	7	99-N176A7	99-N17611	645-817	681-163	.499	.625	.508	3.33	.834				


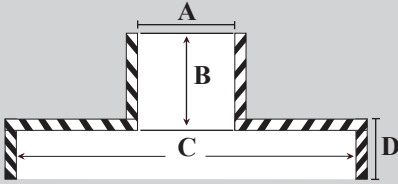

Banta Spur				Sprocket Measurements							Banta Spline & Rim			
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

OLEO MAC / OLYMPYK

233, 234, 240, 241, 244, 335, 340														
3/8 LP	6	99-N046M6			681-160	10.0 .393	14.0 .551	12.2 .480	58.6 2.30	16.2 .637				
.325	7	99-N046L7			681-160	10.0 .393	14.0 .551	12.2 .480	58.6 2.30	16.2 .637				
930, 935, HANDY 30-35														
3/8 LP	6	99-264M6				8.0 .315	11.0 .432	11.0 .432	58.5 2.29	15.5 .612	103217X			
931, 932														
3/8 LP	6	99-451M6			681-134	10.0 .393	13.0 .512	13.2 .519	68.2 2.68	17.2 .676	104440X	37325		
250, 251, 252, 254, STANDARD 264, 350, 355, 50A, Super 250, BLITZ, 350 AGRISTAR, 264 Deluxe														
3/8	7	99-045A7				10.0	15.0	14.0	68.2	18.0				
260, 261, 271, 272, 280, 281, 284, 400, 460, 461, 480, 481, 482, 484														
3/8	8	99-N262A8				15.0	19.0	16.8	79.1	16.0		26580X		
.404	7	99-N262B7				15.0	19.0	16.8	79.1	16.0				

PARTNER

MINI P, MINI P2, MINI P3, MINI P4, MINI PA, MINI 22, 330, 350, 1612, 1613, 1614, 1616, 1618														
3/8 LP	6	99-N217M6			681-160	10.0 .393	14.0 .551	12.2 .480	58.7 2.31	13.8 .543	28001		507-1005-51	
.325	7	99-N217L7			681-134	10.0	13.0	12.2	58.7	13.8				
350, 365, 405, P35XT, PH-18XT, P4-20XT, FORMULA 60														
3/8 LP	6	99-N266M6			681-134	10.0 .393	13.0 .512	12.7 .500	63.7 2.51	16.6 .654	41569X		5300693-15	
.325	7	99-N266L7	99-N26624	645-327	681-134	10.0	13.0	12.7	63.7	16.6	41725X	41726X	5300693-42	5300693-16
351														
3/8 LP	6	99-N234M6			681-134	10.0 .393	13.0 .511	12.4 .488	63.3 2.49	16.7 .657	106114		952-048124	
400, P500, P5000, HOMEOWNER 400, 500, 5000, P48, P49, P5100														
.325	7	99-N110L7	99-N11024	645-327	681-163	12.7	15.9	12.8	69.0	15.7	38071X	29175X		505-3036-52
R-16, R-17, R-18, R-19, R-20, R-21, R-22, R-240, R-420, R-421, R-429, F55, F65, P70, 417, 517, S50, S55, S65, 7000														
3/8	7	99-N197A7				14.0	18.0	16.2	74.0	17.8	32778X	12667X		

Banta Spur					Sprocket Measurements					Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

PARTNER continued


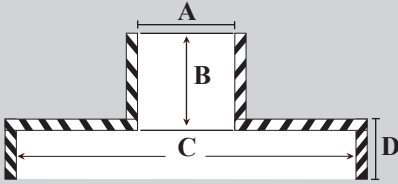

P-18, P-85, P-100, R-30, R-35, R-40, R-435, R-440														
3/8	7	99-N198A7				14.0	18.1	14.6	3.10	17.7		25842X		
3/8	8	99-N198A8				14.0	18.1	14.6	3.10	17.7				

PIONEER

P10, P12														
3/8 LP	6	99-N217M6			681-160	.393 10.0	.551 14.0	.480 12.2	2.31 48.7	.559 14.2	28001			
P20, P21, P25, P26, P28, 970, 1072, 1073, 1074, HOLIDAY II														
.325	8	99-N208L8			681-163	.500	.625	.650	2.55	.787		28611X		
3/8	7	99-N208A7			681-163	.500	.625	.650	2.55	.787				
WILDCAT, 11-10, 11-20, 11-30, P40, P50, 1200, 2200														
3/8	7	99-N207A7				.500	.691	.775	2.55	.930				
FARMSAW, P38, P41, P42, P45, P51, P52, P55, P60, P61, P62, 700, 750, 1150, 1160, 1200, 1410, 1420, 1450, 1750, 1850, 2270, 2400, 2460, 3071, 3200, 3270, 68210														
3/8	7	99-N206A7				.500	.689	.775	2.83	1.07	11893	27440X		
.404	7	99-N206B7				.500	.689	.775	2.83	1.07				
H, J, RA, NU-17, 400, 410, 420, 450, 540, 550, 600, 610, 620, 650														
3/8	7	99-N205A8				.500	.691	.722	2.55	1.40				
.404	7	99-N205B7				.500	.691	.722	2.55	1.40				


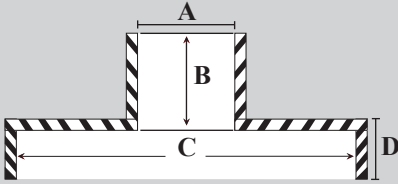

POULAN / POULAN PRO

25, 25A, 25DA, COUNTERVIBE, S-25, S25DA														
3/8 LP	6	99-B225M6				11.1 .437	14.3 .563	14.0 .551	68.3 2.68	14.0 .551	28006			
20, MICRO 25, 180, 205, 225, 235, 1800, 2000, 2100, 2300, 2400, MICRO S25.														
1/4	8	99-N224K8			681-168	10.3	13.5	13.0	63.2	14.7				
3/8 LP	6	99-B224M6			681-168	10.3 .407	13.5 .531	13.0 .512	63.2 2.48	14.7 .578	28004		952-048078	
1800, 2000, 2300 (models with needle bearing) Same as above except w/ needle bearing not bushing														
3/8 LP	6	99-N232M6				10.3 .406	13.5 .531	12.3 .484	63.2 2.49	16.2 .637	28004		952-048078	

Banta Spur				Sprocket Measurements							Banta Spline & Rim			
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

POULAN / POULAN PRO continued

215														
3/8 LP	6	99-N217M6			681-160	10.0 .393	14.0 .551	12.2 .480	58.7 2.31	14.2 .559				
P3314, P3416, 38118, 4018, 3516, 3816, 4018, 4218, 3416, 4018, 4218, 1970, 4218														
3/8 LP	6	99-N236M6				8.0 .315	10.3 .405	14.0 .551	63.2 2.48	14.6 .574	514678		530-057905	
210, 221, 230, 260, 1950, 2050, 2055, 2075, 2150, 2155, 2175, 2250, 2375, 2450, 2550 WILDTHING														
3/8 LP	6	99-N234M6			681-134	10.0 .393	13.0 .511	12.4 .488	63.3 2.49	16.7 .657	106114		952-048124	
285, 305, 330, 335, 336, 365, 415, 2700, 2800, 2900, 3000, 3300, 3350, 3450, 3500, 3700, 3750, 4600 TREEMASTER														
.325	7	99-231L7	99-23124	645-327	681-163	12.7	15.9	13.2	68.1	17.6	107504X	34254X	48083	
255, 295, 2275, 2500, 2600, 2700, 2750, 2775, 2900, 3050, PP210, PP295, PP3616, PP3816, PP4018, PP4618, P600, WOODSHARK														
3/8 LP	6	99-N266M6			681-134	10.0 .393	13.0 .512	12.7 .500	63.5 2.50	16.4 .645	41569X		5300693-15	
.325	7	99-N266L7	99-N26624	645-327	681-134	10.0	13.0	12.7	63.5	16.4	41725X	41726X	5300693-42	5300693-15
325														
.325	7	99-N110L7	99-N11024	645-327	681-163	12.7	15.9	12.8	69.0	15.7	38071X	29175X		
200, 201, 202, 203, 204, 221, 222, 245, 306, 345, 4200, 4400, 4900, 5200, 5400														
3/8	7	99-N228A7			681-167	14.2 .562	17.5 .688	12.3 .484	81.3 3.20	18.3 .720	32062X	23706X	48023	
375, 395, 3400, 3700, 3800, 4000														
3/8	7	99-230A7	99-N23011	645-817	681-163	12.7	15.9	13.2	76.2	15.3	32790X	28187X	48062	48063
405, 455, 525, 655														
3/8	7	99-N206A7				12.7	17.5	19.7	71.9	27.4				
415, 425, 475, 505 (No notch in Drum)														
3/8	7	99-269A7				12.0	16.0	12.7	78.7	16.6			5034310-01	
415, 425, 475, 505 (Notch in Drum)														
3/8	7	99-N277A7				12.0	16.0	12.7	78.7	16.6			5034310-001	

Banta Spur				Sprocket Measurements							Banta Spline & Rim			
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

REDMAX - Zenoah

G2500, G320AVS, G380AVS, G310T, G3800														
3/8 LP	6	99-451M6			681-134	10.0 .393	13.0 .512	13.2 .519	68.2 2.68	17.2 .677	104440X			
G561AVS, G621AVS, GT556, 561, 620, 621														
3/8	7	99-355A7			681-160	10.0	14.0	12.0	77.2	13.4	32794X	213548X		

REMINGTON

MIGHTY MITE, MIGHTY MITE 100-800, YARDMASTER, JOB MASTER, WEEKENDER, OUTDOORSMAN and SPORTSMAN. (*Note: 3/8" drum depth)														
3/8 LP	6	99-N238M6				.375 9.53	.500 12.7	.433 11.0	2.25 57.3	.494 12.5				
For above models equipped with chain brake. (*Note: 1/2" drum depth*)														
3/8 LP	6	99-N114M6				.393 10.0	.500 12.7	.460 11.7	56.9 2.24	.582 14.8				
PL-4, PL-5, PL-5A, PL55, SL-11A, WOODSMAN, LOGGER														
3/8	7	99-N147A7	99-N14711	645-817	681-147	.496	.685	.456	3.11	.744	30681X	30666X		
SL-9, SL-9A, SL-10, SL-10A, SL-14, SL-16, RANCHER														
1/4	9	99-N237K9				.433	.622	.433	2.74	.574				


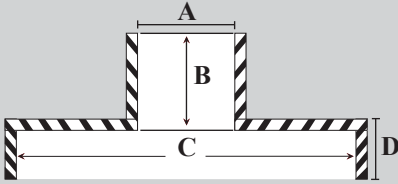

RYOBI

GTS														
3/8 LP	6	99-451M6			681-134	10.0 .393	13.0 .512	13.2 .519	68.2 2.68	17.2 .676				

SACHS DOLMAR see our DOLMAR / MAKITA headings

SEARS (CRAFTSMAN)

35093, 35094, 35201, 35202, 35203, 35205, 35206, 35207, 35209, 35802														
1/4	8	99-N224K8				10.3	13.5	13.0	63.2	14.7				
3/8 LP	6	99-B224M6				10.3 .407	13.5 .531	13.0 .512	63.2 2.48	14.7 .578	28004			
35095, 35096, 35211, 35215, 35219, 35231, 35232, 35235, 25238, 35255, 35256, EXPLORER I and II, SUPERLIGHT														
3/8 LP	6	99-B225M6				11.1 .437	14.3 .563	14.0 .551	68.3 2.68	14.0 .551	28006			

Banta Spur				Sprocket Measurements						Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

SEARS (CRAFTSMAN) continued


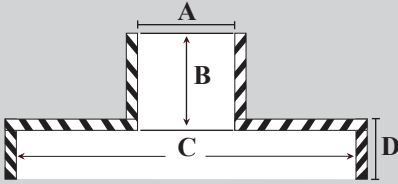

35881, 35884														
3/8	7	99-N228A7				14.2	17.5	12.3	81.3	18.3	32062X	23706X		
35885														
3/8	7		99-N23011	645-817		12.7	15.9	13.2	76.2	15.2	32790X	28187X		
35826, 35829														
3/8	7	99-355A7			681-160	10.0	14.0	12.8	77.3	13.5	32794X	21358X		
SEARS (DAVID BRADLEY) LIGHTWEIGHTS with 1/2" "SHAFT														
3/8	7	99-N118L8				12.7	17.5	17.0	69.6	20.9				

SHINDAIWA

305, 340, 345, 346, 350, 352, 355, 415, 450, 451, 500														
3/8 LP	7	99-242M7			681-166	10.0 .393	13.0 .511	16.5 .649	68.2 2.68	17.3 .681			72320-51110 (7 T vs 6 T)	
.325	7	99-242L7			681-166	10.0	13.0	16.5	68.2	17.3				
300, 300S, 357, 360, 377, 394														
3/8 LP	6	99-241M6			681-166	10.0 .393	13.0 .511	17.0 .669	68.2 2.68	16.9 .665			22163-51110	
400, 488														
.325	7		99-24324	645-327	681-134	10.0	13.0	12.8	71.9	16.0				22160-51511
405, 406, 407, 410, 415, 416, 440, 450, 451, 480, 485, 500														
.325	7				681-166	10.0	13.0	17.8	67.7	16.7				39311-51110
3/8	7	99-240A7			681-166	10.0	13.0	17.8	67.7	16.7				
550, 575, 577, 580, 680, 685, 695														
3/8	7		99-24411	645-817		13.0	17.0	14.7	77.8	15.8				22155-51500

SKIL (PM - CANADIAN)

310, 944, 1600, 1601, 1602, 1610, 1611, 1612 - ELECTRIC, 1613, 1614, 1616, 1700, 1705, 1712														
3/8 LP	6	99-N217M6			681-160	.393 10.0	.551 14.0	.480 12.2	2.30 58.7	.559 14.2	28001			

Banta Spur					Sprocket Measurements					Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

SKIL (PM - CANADIAN) continued


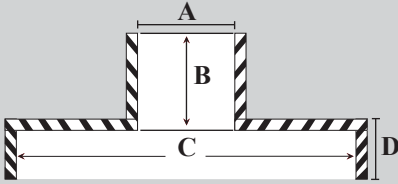

1620, 1622, 1624, 1634														
1/4	8	99-N224K8				.407	.531	.512	2.48	.578				
3/8 LP	6	99-B224M6				.407 10.3	.531 13.5	.512 13.0	2.48 63.2	.578 14.7	28004			
1635, 1636														
3/8 LP	6	99-B225M6				.437 11.1	.563 14.3	.551 14.0	2.68 68.3	.551 14.0	28006			
177, 187, 350, 360, 360PB, 1660, 1661														
3/8	8	99-N214A8				.500	.688	.610	3.00	.711				
330, 335, 340B, 1630, 1644, 1645														
3/8	7	99-N216A7				.500	.627	.625	3.00	.555				
1632, 1646														
3/8	7	99-N197A7				.551	.748	.653	2.90	.736		12667X		
1641														
3/8	7	99-230A7	99-N23011	645-817		.500	.626	.523	3.00	.602	32790X	28187X		

SOLO

600, 605, 606 (with 60mm clutch), 631														
3/8 LP	6	99-N104M6			681-160	10.0 .393	14.0 .551	13.5 .531	65.8 2.59	18.4 .724				
616, 647, 654														
.325	8	99-153L8			681-159	12.0	15.0	15.5	70.0	16.7			SO351SCJ8N	
3/8	7	99-153A7			681-159	12.0	15.0	15.5	70.0	16.7			SO351SCA7N	
620, 650, 655, 660														
3/8	7	99-120A7				14.0	18.0	14.9	70.0	17.0				


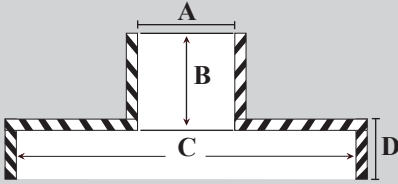

STIHL

009, 009Q, 010, 010AVEQ, 010AVQ, 011, 110AV, 11AVEQ, 020T, MS200T														
1/4	8	99-N081K8				10.0	13.0	13.2	66.0	16.0			1120-640-2010	
3/8 LP	6	99-081M6				10.0 .393	13.0 .511	13.2 .519	66.0 2.59	16.0 .629	28016X		1120-640-2000	

Banta Spur					Sprocket Measurements					Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

STIHL continued

015AV, 015EL, 015L, 015 PROFESSIONAL														
3/8 LP	6	99-181M6				10.0 .393	13.0 .511	15.4 .605	66.2 2.60	16.9 .665			1116-640-2001	
020AV, 020AVE, 020 PROFESSIONAL 020AV SUPER, (Models with washer), MS200														
3/8 LP	6	99-182M6			681-166	10.0 .393	13.3 .517	16.4 .647	65.8 2.59	17.4 .688			1114-640-2001	
017, 018, 019, 019T, 021, 023, 025, MS170, MS180, MS190, MS191, MS192, MS210, MS211, MS230, MS250, 192 CE,														
3/8 LP	6	99-084M6			681-134	10.0 .393	13.0 .511	11.5 .452	66.0 2.59	17.8 .700	100962X		1123-640-2073	1123-007-1001
.325	7		99-08424	645-327	681-134	10.0	13.0	11.5	66.0	17.8	106657X	100961X	1123-6402-074	1123-007-1032
024, 026 (Before No. X25809074) 7/16" drum depth														
.325	7	99-191L7	99-19124	645-327	681-134	10.0	13.0	11.2	69.0	13.7	38076X	32457X	1121-640-2003	1121-007-1001
MS240, 026 (adjustable oiler) (After No. X25809074), MS260, MS270, MS280, MS281														
.325	7	99-N085L7	99-08524	645-327	681-134	10.0	13.0	11.2	69.0	17.7	100876X	100791X	1121-640-2004	1121007-1037
028 (After No. 8991531), 028 SUPER														
.325	7	99-190L7			681-128	10.0	13.0	24.2	69.0	16.2		30384X	1118-640-2001	1118-007-1004
029, 034, 036, 039, MS290, MS310, MS360, MS361, MS390														
.325	7	99-193L7	99-N19324	645-327	681-134	10.0	13.0	11.7	75.9	20.3	111188X		1125-640-2005	1125-007-1001
3/8	7	99-193A7	99-N19321	645-827	681-134	10.0	13.0	11.7	75.9	20.3	38145X	34162X	1125-640-2000	1125-007-1002
030, 031, 032, 040, 041, (After No. 5664891), FARM BOSS, MS310 (spacer required)														
3/8	7	99-183A7			681-165	12.0	15.0	16.4	69.0	18.9	32060X	18200X	1113-640-2000	1113-007-1040
.404	7	99-183B7			681-165	12.0	15.0	16.4	69.0	18.9		13916X	1110-007-1017	
038 (After No. 8421500), MS380, MS381														
3/8	7	99-192A7			681-127	12.0	16.0	24.5	71.7	18.8	32061X	509640X	1119-640-2000	1190-071-003
041, 041AV, 041AVE (Before No. 5664891)														
3/8	7	99-045A7				10.0	15.0	14.0	2.70	18.0		13916X		
045AV, 045AVE, 045AVEQ, 056, (Before No. 10963560) (Pin Drive Oil Pump)														
3/8	7	99-180A7			681-124	14.0	17.0	17.5	77.5	23.1	32063X		1115-640-2001	


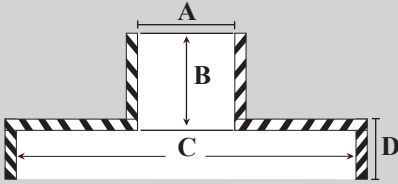

Banta Spur				Sprocket Measurements						Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

STIHL continued

042, 048 (After No. 8407351)														
3/8	7	99-194A7				12.0	16.0	23.9	75.8	20.7	32064X		1117-640-2001	1117-007-1006
044, 046, MS440, MS460, MS441														
> 1 notch in drum														
.325	9		99-08617	645-319	681-126	10.0	16.0	11.7	76.0	18.1				
3/8	7	99-086A7	99-08611	645-817	681-126	10.0	16.0	11.7	76.0	18.1	38471X	38470X	1128-640-2000	1128-007-1000
050AV, 051AV, 051AVE, 075AV, 075AVE, 076														
> spur has a cut out for oil drive														
3/8	7	99-184A7				14.0	18.0	17.0	3.37	21.8				
.404	7	99-184B7				14.0	18.0	17.0	3.37	21.8	32072X	22262X	1111-640-2002	1111-640-2025
07, 07S														
.404	7	99-186B7			681-125	15.0	18.0	17.9	67.0	21.8				
08, 08S, S-10														
3/8	7	99-187A7			681-125	15.0	18.0	18.0	67.0	21.3			1108-640-2010	1108-640-2026
.404	7	99-187B7			681-125	15.0	18.0	18.0	67.0	21.3	35992X	10625	1108-640-2000	1108-640-2025
064, 066, MS660, 066 MAGNUM														
3/8	7	99-082A7			681-126	10.0	16.0	13.4	81.2	21.5		35464X	1122-640-2002	1122-007-1000
084, 088														
> 4 notches in drum														
.404	7	99-083B7			681-129	12.0	17.0	13.5	85.0	23.6			1124-640-2005	1124-007-1024

TANAKA

350, 351, 356, 370, ECS35, ECS355, ECS405, ECS3351														
3/8 LP	6	99-400M6			681-134	10.0	13.0	10.6	66.0	16.7				
						.393	.511	.417	2.59	.657				
EC290, 300, 320, 330, 3301, TCS3301, TCS3401, TCS2801														
3/8 LP	6	99-404M6			681-134	10.0	13.0	10.9	59.9	17.2				
						.393	.511	.429	2.35	.676				
ECS415, ECS4000														
.325	7	99-402L7			681-134	10.0	13.0	10.6	66.0	16.2				
ECS505, ECS650, ECS655, ECVS601														
3/8	7	99-403A7				10.0	15.0	14.9	71.9	18.9				

Banta Spur				Sprocket Measurements						Banta Spline & Rim				
														
Pitch	Teeth	BANTA SPUR ORDER #	BANTA SPLINE and RIM ORDER #	Banta "Rim Only" Order#	Needle Bearing Order#	Crank Dia	Bore Dia	Bore Length	Drum ID	Drum Depth	Oregon Spur #	Oregon Spline & Rim	OEM Spur #	OEM Spline and Rim

TOPSO

E510AV, E610AV														
3/8	7	99-183A7				12.0	15.1	15.5	2.70	18.5				

WESTERN AUTO and WRIGHT (POULAN)

WIZARD, 010, 012, 014, 110, 112, 214, 1800, 2000, S25DA, 4010														
1/4	8	99-N224K8				.407	.531	.512	2.48	.578				
3/8 LP	6	99-B224M6				.407 10.3	.531 13.5	.512 13	2.48 63.2	.578 14.7	28004			
Western Auto models: WIZARD AV16, 316 and Wright models: 121, 122A														
3/8 LP	6	99-B225M6				.437 11.1	.563 14.3	.551 14	2.68 68.3	.551 14	28006			
430														
3/8	7	99-N228A7				.559 14.2	.688 17.5	.484 12.3	3.20 81.3	.720 18.3				
A-18, 3400														
3/8	7		99-N23011	645-817		.495	.622	.519	3.00	.597	32790X	28187X		

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