GEM Chain Bar

MAXIMIZE YOUR RUNTIME

ADVANCED TECHNOLOGY . EXTENSIVE FIELD TESTING . CUTTING-EDGE MATERIALS . UNMATCHED DURABILITY

MADE in the USA

Product Catalog

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- HARVESTER BARS
- RIM SPROCKETS
- REPLACEMENT TIPS
- MEASURING WHEELS
- BAR REPAIR
- CHAIN

MAXIMIZE YOUR RUNTIME

Advanced Technology
Extensive Field Testing
Cutting Edge Materials
Unmatched Durability

Gem Chain Bar was established in 1989 in Kooskia, ID by former loggers who envisioned products that would make timber harvesting more efficient. Understanding how expensive down time is, we continually strive to increase product quality, performance and durability for the end user depending on it.

In 2005, GEM began incorporating new technology into our manufacturing process and moved our shop to a larger facility in Grangeville, ID. We utilize automation and robotics to continually increase production capacity, quality and consistency. GEM is focused on a future that employs technology, innovation and extensive field testing to manufacture Made in the USA products that continue to lead the harvester industry.

GEM manufactures harvester products for companies around the world. Creating an effective, efficient and high quality product is critical for our success and the success of our customers. At the end of every cutting system is the sprocket, chain and bar. Increased profitability for our customers comes through ensuring longer, higher quality run times before changing those products. Gem employs both technology and field testing to create products that not only appeal to engineering but perform and last for the skilled worker in the field.

GEM's stringent Quality Control Management System is designed to meet customer requirements and strives to exceed customer expectations. Premium materials are sourced from reputable suppliers with industry recognized certifications for performance and chemical composition. GEM products are quality checked multiple times during each step of the manufacturing process including machine laser probes, repeat bench specification testing, visual inspections, and thorough performance testing. The GEM Quality Control Team includes design staff, quality control technicians and senior management to insure quality remains both customer and performance focused.

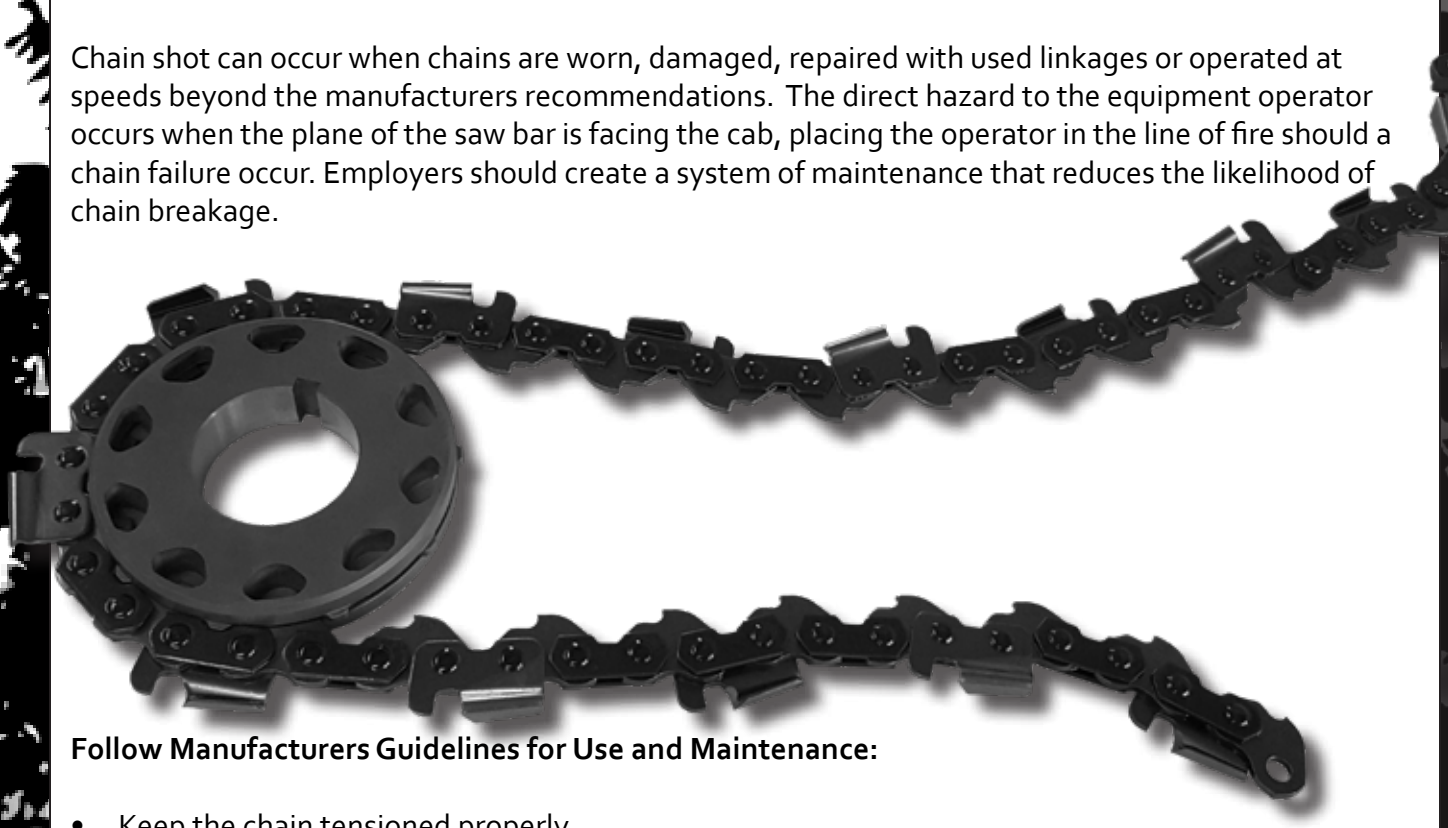
While GEM continually strives to increase quality and performance, we also utilize technology to constantly increase capacity and reduce turn times. Nothing brings an operation to a halt faster than not being able to get the product you need. GEM works closely with our customers to keep them supplied with products that get them up and running quickly and keep them running profitably. GEM consistently provides products on time, at the highest quality and for a competitive price.

GEM provides our customers with an extensive harvester line-up including harvester bars, replacement tips, sprockets, chain, chain loops, measuring wheels, bar repair and custom solutions.

Safety Concerns:

Chains on mechanical harvester saws can travel 15,000 revolutions per minute (rpm.) Higher chain speeds with attendant power input generally equates to faster cutting speeds but faster cutting speeds mean increased wear, shorter service life and increased chance of chain breakage and injury. Chain shot whistling through the air has as much kinetic energy as a bullet fired from a rifle.

Chain shot can occur when chains are worn, damaged, repaired with used linkages or operated at speeds beyond the manufacturers recommendations. The direct hazard to the equipment operator occurs when the plane of the saw bar is facing the cab, placing the operator in the line of fire should a chain failure occur. Employers should create a system of maintenance that reduces the likelihood of chain breakage.



Follow Manufacturers Guidelines for Use and Maintenance:

- Keep the chain tensioned properly.
- Don't repair the chain with used linkages or hammered rivets, often these contain small fractures that weaken the link and increase the possibility of breakage.
- Chains should be inspected for damage, particularly on drive links, before sharpening.
- Chains should be randomly inspected after being sharpened and prior to being installed.
- Inspect the saw for damage/wear to the sprocket, bar and chain.
- Keep the bar and chain adequately lubricated.
- Inspect the chain before replacing, even new chains can be defective.
- Check the chain to make sure it is designed for the cutting speed of your saw.
- Don't overpower the chain; higher cutting speeds wear the chain faster and may contribute to chain breakages.
- Operators and workers responsible for chain maintenance effectively communicate.

Install Proper Guarding:

Fit harvester head with a chain catcher. This device may reduce the whip like action that produces chain shot by absorbing the kinetic energy released from the chain breaking. To ensure the safety of harvester operators, using harvesters with at least 1 ¼" (32mm) polycarbonate laminate is the most effective.

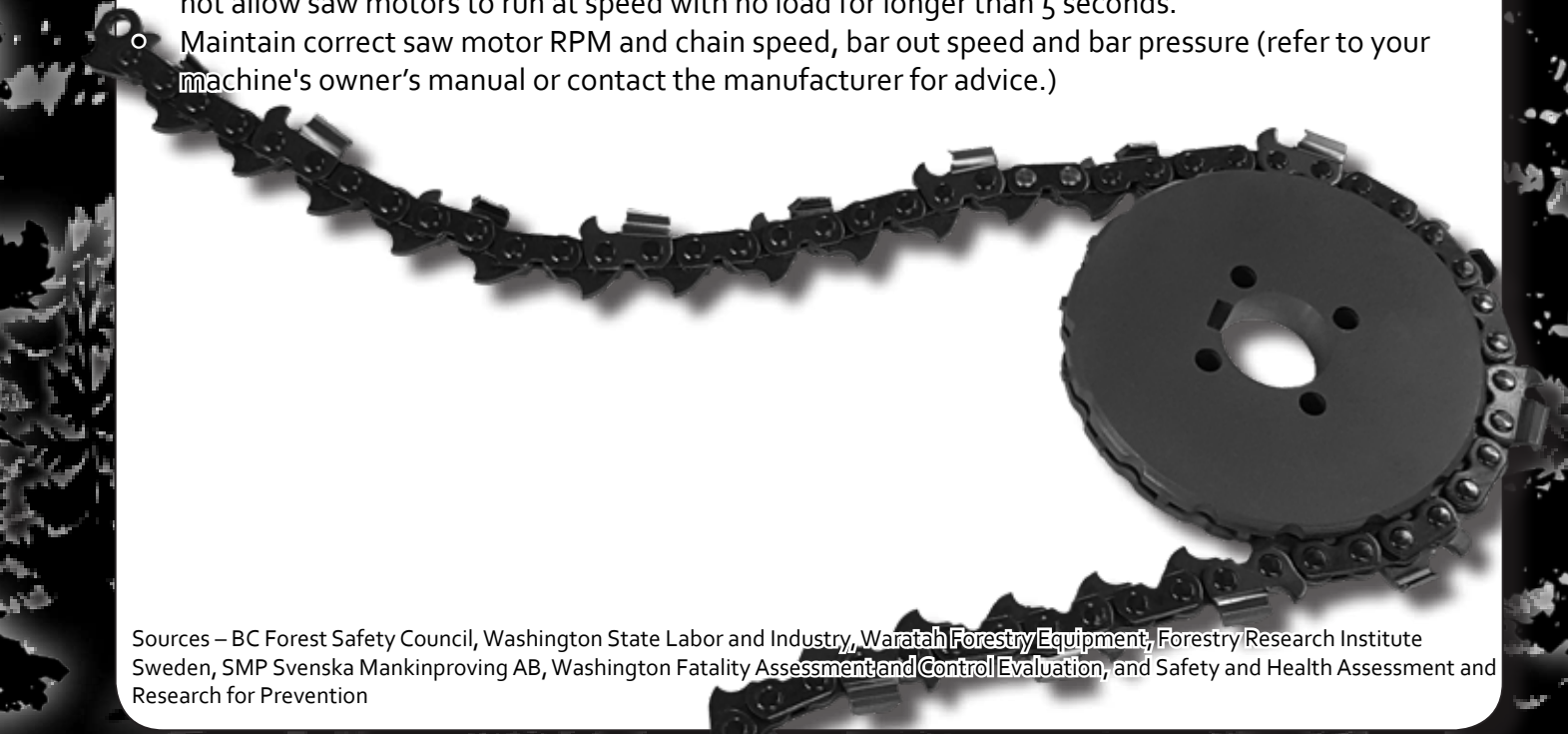
Positioning & Training:

While many operators cross cut the stems immediately in front to see if the cuts are being properly made, this positions the saw blade toward the cab and directly places them in the line of fire should the chain break. Re-position the stem for cross cutting so the saw does not point towards the cab.

Workers on the ground around the cutting area should be sufficiently away (70m/230ft) from the cutting and aware of the direction of the chain so they can be positioned on the opposite side to avoid being struck should the chain break.

Ways to Further Reduce Likelihood of Chain Breakage:

- Maintain the whole cutting system not one element of the cutter unit at a time.
- Avoid fitting new cutter components with worn equipment as this dramatically shortens the life of the new component.
- Keep chains sharp, maintain correct depth gauge clearance.
- Don't continue to cut with blunt cutter unit or with no lubrication.
- Check for chain stretch and replace as necessary.
- Repair chains using correct components - replace whole chain after second chain breakage.
- Maintain bar - dress and reverse regularly to balance even wear.
- Monitor wear on sprocket - use the 6 chains, 3 bars, 1 sprocket ratio as a guide for total replacement.
- Ensure correct chain tension throughout the operation cycle - auto tension systems provide ultimate chain life and optimum cutting efficiency
- Ensure adequate lubrication: use good quality, clean bar lube, use clean filling utensils. Treat it like you would treat your hydraulic system, keep bar lube holes clean.
- Allow main saws and top saws to warm up before operating: cycle saws six times at low speed. Do not allow saw motors to run at speed with no load for longer than 5 seconds.
- Maintain correct saw motor RPM and chain speed, bar out speed and bar pressure (refer to your machine's owner's manual or contact the manufacturer for advice.)



Sources – BC Forest Safety Council, Washington State Labor and Industry, Waratah Forestry Equipment, Forestry Research Institute Sweden, SMP Svenska Mankinproving AB, Washington Fatality Assessment and Control Evaluation, and Safety and Health Assessment and Research for Prevention

GEM HARVESTER BARS

PRECISION CUT

Water Jet Cut
No Mechanical Stress
No Heat Affected Zone

PRECISION MACHINED

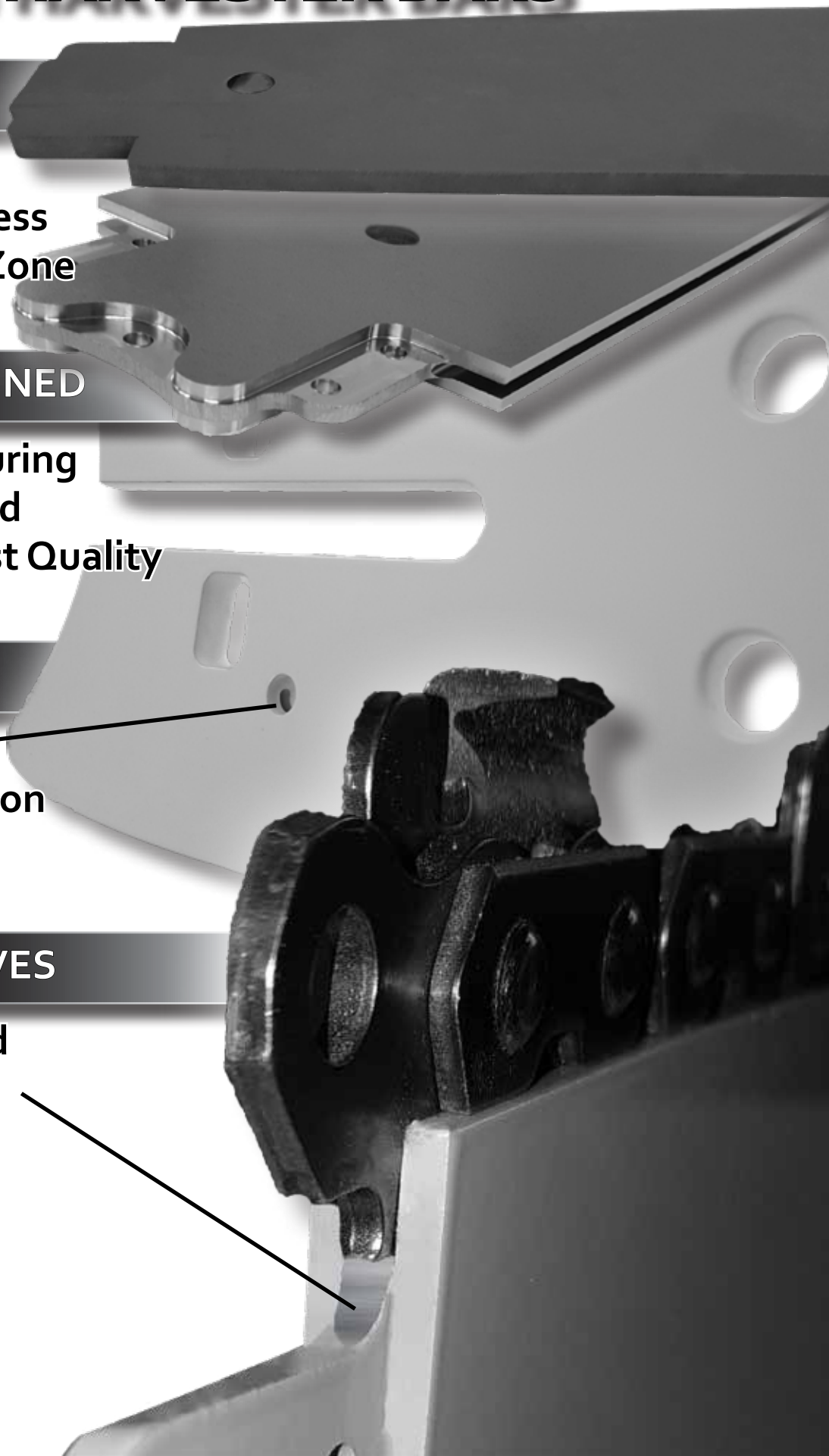
Robotic Manufacturing
Laser Probe Verified
Consistent, Highest Quality

WIDE OIL WELL

Wide Oil Well
Increases Lubrication
Extends Wear Life

DEEP RAIL GROOVES

Precisely Machined
Deep Rail Grooves
Extend Wear Life



BAR COMPARISON

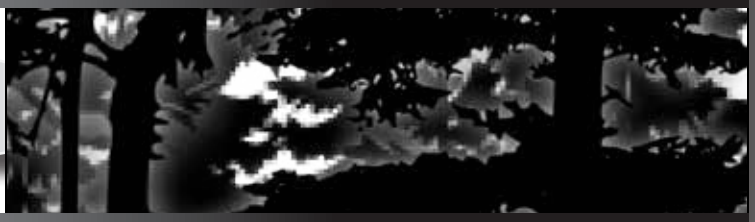
BAR MATERIAL

OTHER BARS	GEM BARS	Your Advantage:
Heat Treated Lower Grade Steel	Ballistic Grade Steel	High Degree of Springback
	Strongest Steel In Harvester Industry	High Degree of Bend Force Resistance

RAIL AREA

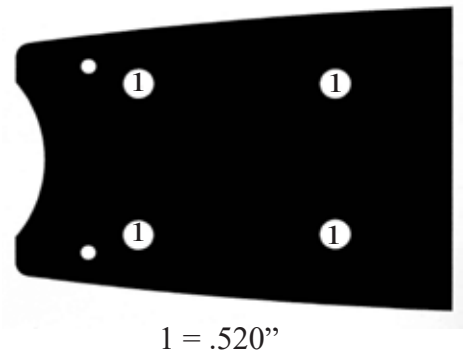
OTHER BARS	GEM BARS	Your Advantage:
Tempered Rails	Non-Tempered Rails	Significantly Reduces Flexing of Rails
Softer Material	Stronger Material	Prevents Cracking of Rails

OVERALL METAL HARDNESS



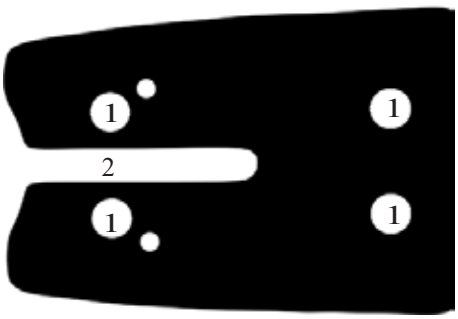
OTHER BARS	GEM BARS	Your Advantage:
Different Hardness Between Rails & Main Bar Body	Uniform Metal Hardness For *Entire Bar*	Longer Wearlife
		Consistent Strength Throughout Bar
		Maximized Runtime

DG



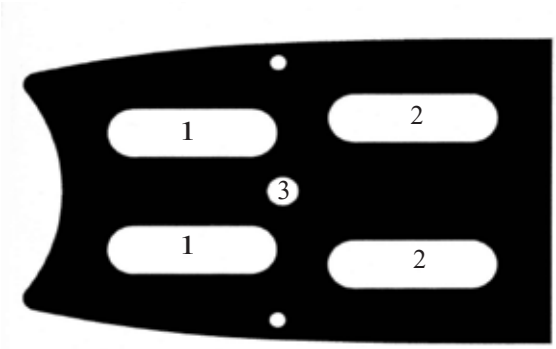
1 = .520”

D



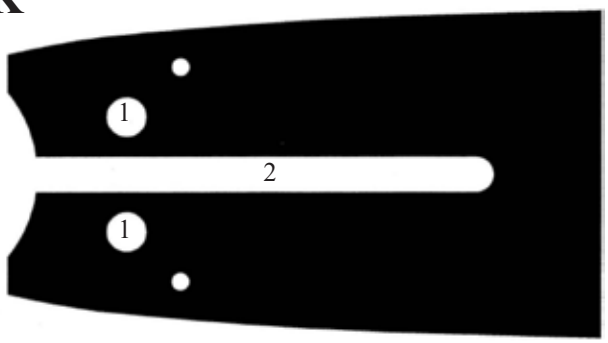
1=.469” 2=2.980” x .437”

F



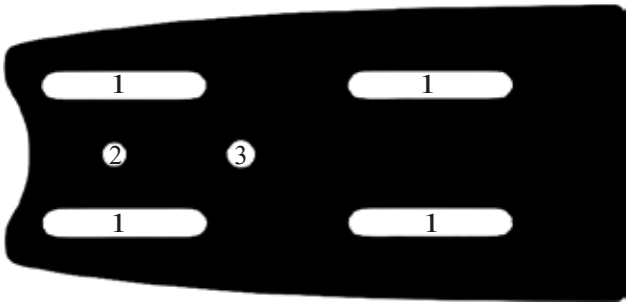
1=.812” x 2.577 2=.812” x 2.453” 3=.500”

K



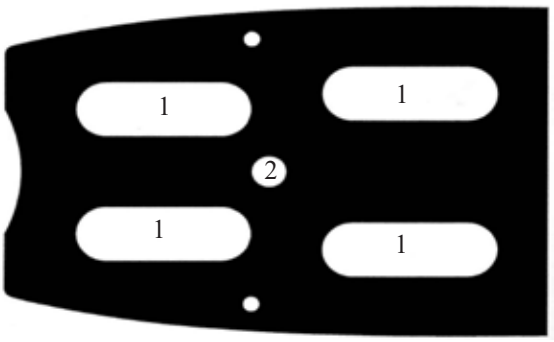
1=.660” 2=7.376” x .627”

L



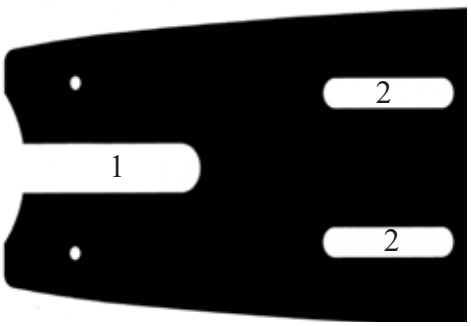
1=.531” x 3.064 2=.500” 3=.562”

M



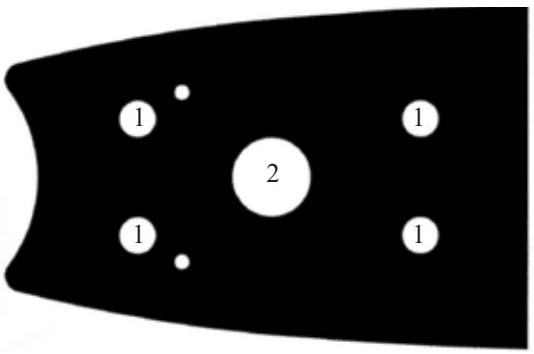
1=.2.50” x .875” 2=.500”

MT



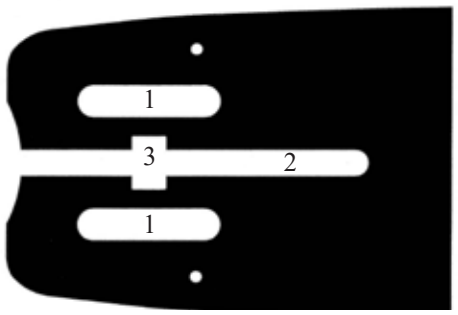
1 = 4.077” x .875” 2 = 3.00” x .540”

P



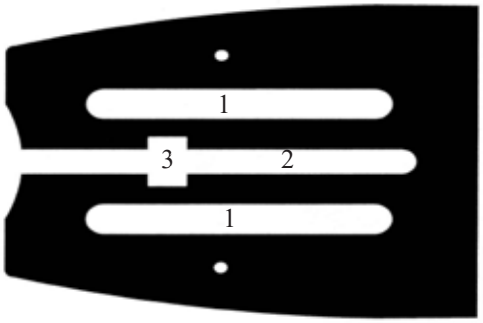
1=.550” 2=1.00”

PC1



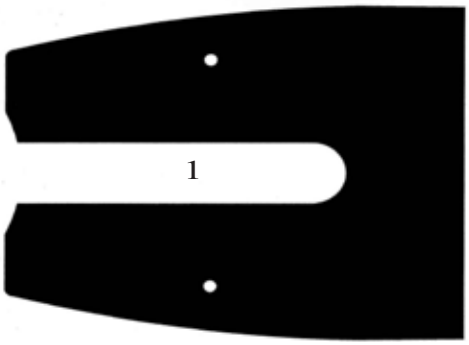
1=2.281” x .531” 2=5.514” x .438” 3=.562” x .219”

PC2



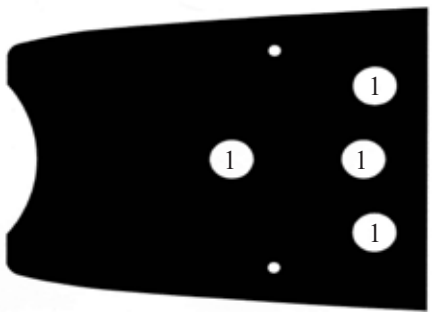
1=4.281” x .531” 2=5.495” x .438” 3=.563” x .219

PC3



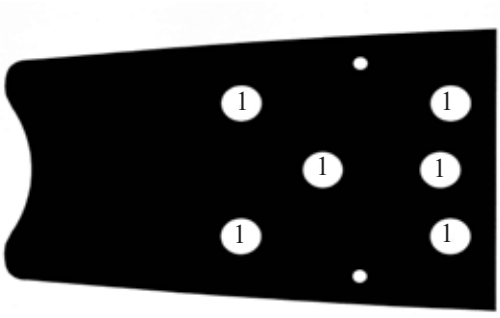
1=4.805” x 1.00”

S1



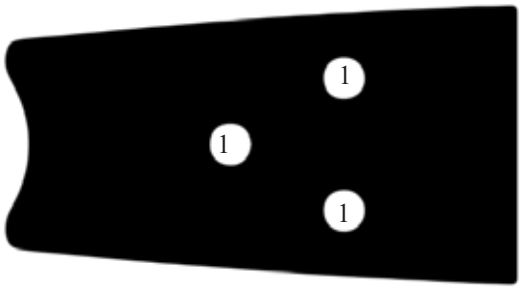
1=.670”

S2



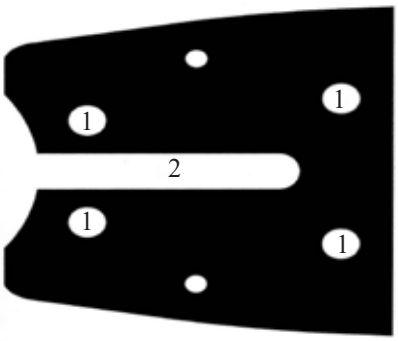
1=.685”

S3



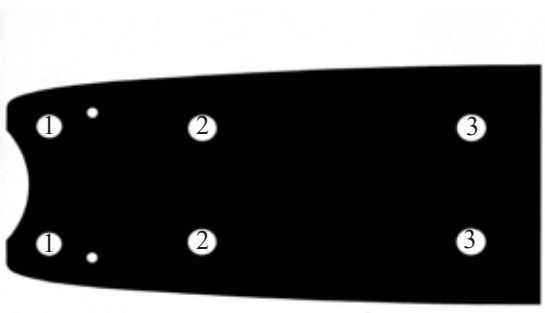
1=.670”

SS



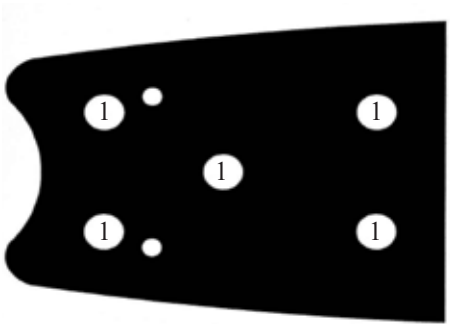
1=.531” 2=3.626” x .628”

T



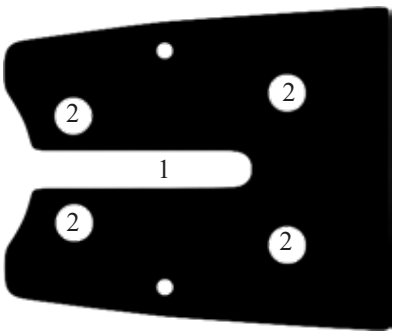
1=.530” 2=.590” 3=.610”

TL



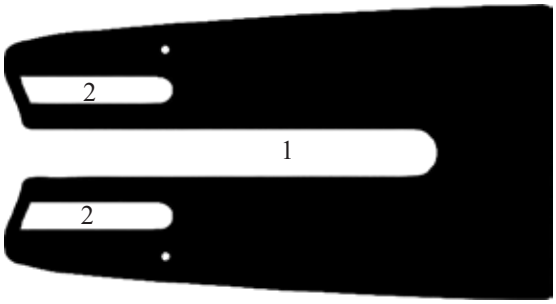
1=.531”

TR



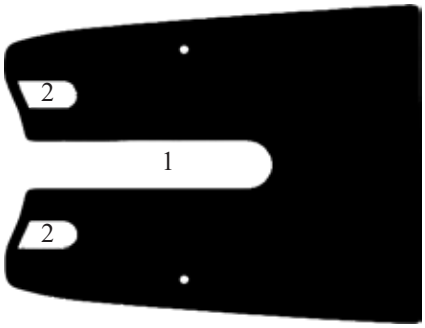
1=3.6261” x .6266” 2=.6501”

UF1



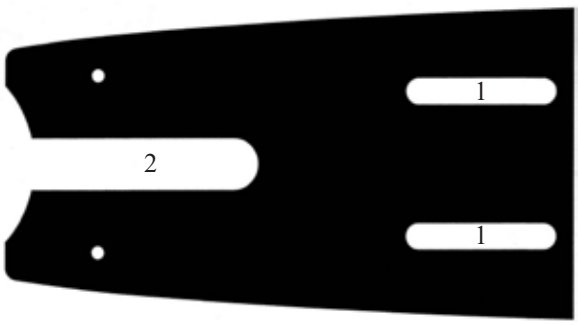
1=7.5859” x .88” 2=3.8051” x .500”

UF2



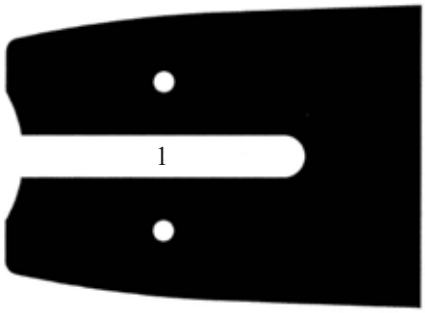
1=4.0624” x .855” 2=1.190” x .500”

WP



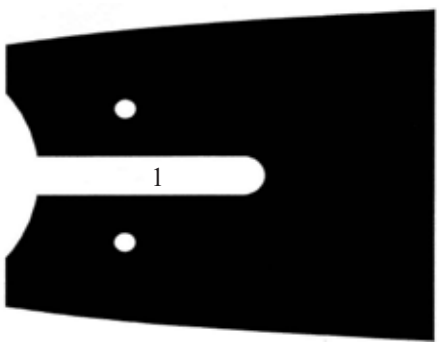
1=2.875” x .485” 2=4.308” x .950”

W1



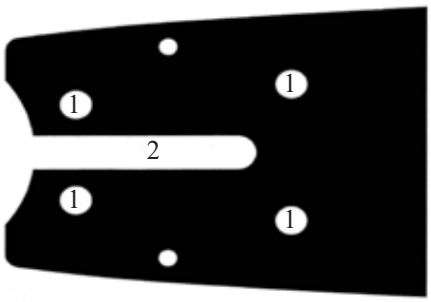
1=4.052” x .617”

W2



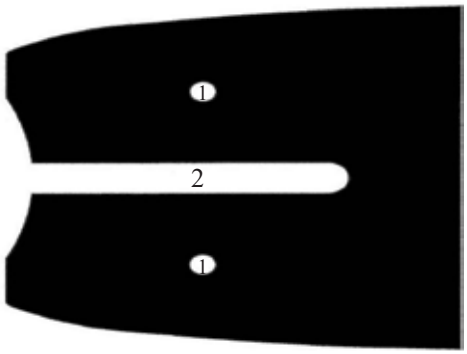
1=3.250” x .625”

W3



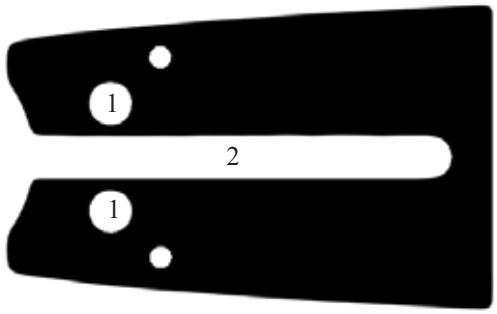
1=.531” 2=3.627” x .629”

W4



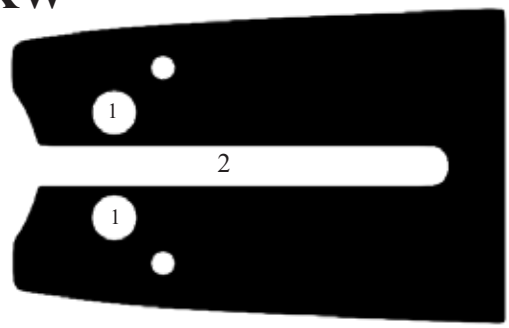
1=.250” 2=2.966” x .375”

WK



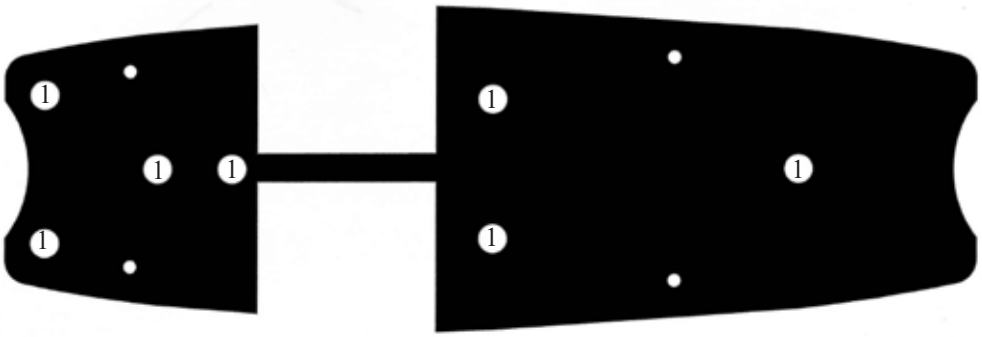
1=.531” 2=3.627” x .629”

WKW



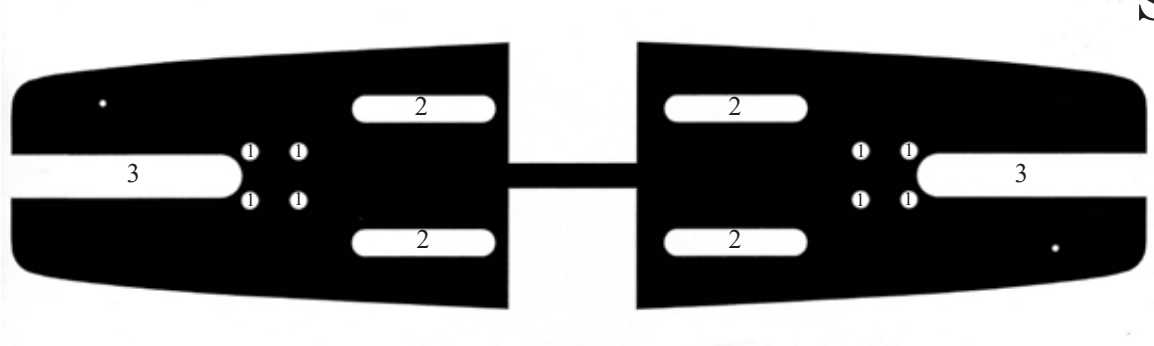
1=.250” 2=2.966” x .375”

SL



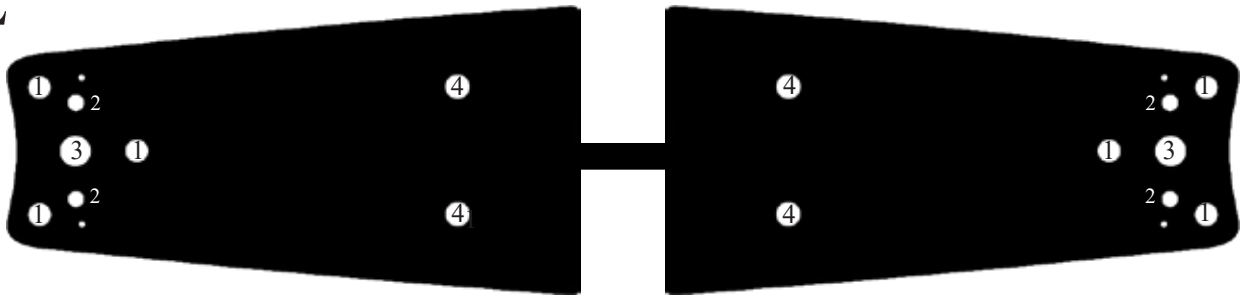
1=.531”

SL2



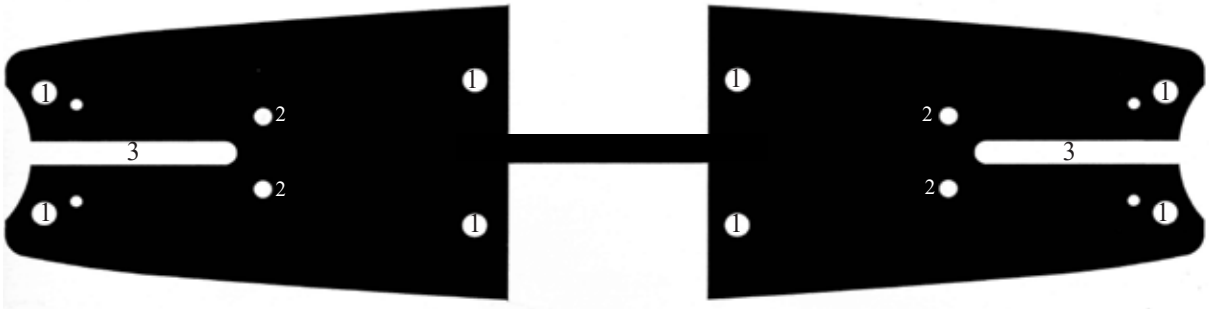
1=.375” 2=2.978” x .573” 3=4.750” x .9”

DE



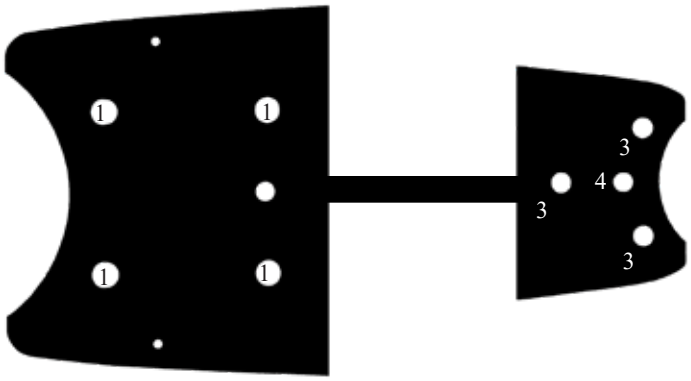
1=.5040” 2=.3980” 3=.6430” 4=.5330”

DE1



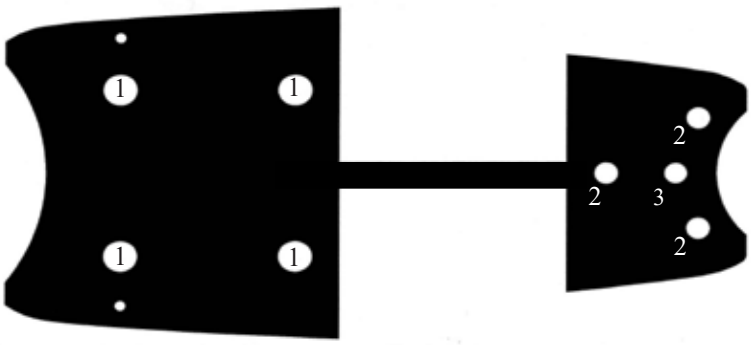
1=.500” 2=.375” 3=4.008” x .500”

DE2



1=.650” 2=.500” 3=5.25” 4=5.00”

DE3



1=.750” 2=.525” 3=5.00”

DOUBLE END BARS

Danzko Grapple

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
34 1/2”		3/4		DG	DG5079-34G	

Denharco Conversion

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
28”	45	3/4	7 Tooth	D	D5027SNG	

Double Ended Slasher Bars

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
44”		3/4		SL1	SL5044DE-G	
51”		3/4		SL2	SL5083DE	
58”		3/4		DE2	DE5098-58	581UED9155
59”		3/4		DE3	DE5099-59	591UED9191
60”		3/4		DE	DE5116-60	
80”		3/4		DE1	DE5092-80	

Franklin, Makeri, Universal Saw Cooley

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
24”	41	3/4	9 Tooth	M	M5024-24G	241SNCT127
27”	44	3/4	9 Tooth	M	M5096-27G	271SNCV127

Hultdins, Keto, Logmax, Tigercat, Timber Pro

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
34”	53	3/4	9 Tooth	K	K5040-34G	341SNCT138
36”	56	3/4	9 Tooth	K	K5041-36G	361SNCT138
40”	60	3/4	9 Tooth	K	K5031-40G	401SNCT138
43”	65	3/4	9 Tooth	K	K5112-43G	
45”	67/68	3/4	9/10 Tooth	K	K5141-45G	451SNCT138
45.32”	68	3/4	9 Tooth	K	K5043-45G	

Lakewood

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
32”	51	3/4	9 Tooth	L	L5126-32G	321SNCT132

Pierce

Length	DL	Pitch	Sprocket	Mount	Gem #	Pierce	Oregon
26”	43	3/4	9 Tooth	PC1	PC5030-26G	247-0303	
28”	47	3/4	9 Tooth	PC1	PC5022-28G	247-0247	281SNCT161
31”	50	3/4	9 Tooth	PC1	PC5038-31G	247-0410	
36”	56	3/4	9 Tooth	PC1	PC5032-36G	247-0328	361SNCT161
40”		3/4	9 Tooth	PC1	PC5046-40G	247-0495	
43”	65	3/4	9 Tooth	PC1	PC5023-43G	247-0248	431SNCT161
43”	65	3/4	9 Tooth	PC2	PC5045-43G	247-0478	
43”	65	3/4	9 Tooth	PC3	PC5048-43G	247-0520	

Pro Pac

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
25”		3/4	7, 8 Tooth	P	P5013-25G	251SNCT157

Rolly, Risley

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
33”		3/4		F	F5051-33G	
35”		3/4		F	F5078-35G	
36”		3/4		F	F5076-36G	
37”		3/4		F	F5088-37G	

SATCO

Length	DL	Pitch	Sprocket	Mount	Gem #	Satco	Oregon
36”		3/4	9 Tooth	S1	SA5069-36	SATCO 36	361SNCT222
40”		3/4	9 Tooth	S1	SA5090-40	SATCO 40	401SNCT222
43”		3/4	9 Tooth	S2	SA5068-43	SATCO 43	431SNCT223
43”		3/4	9 Tooth	S3	SA5132-43	SATCO 43AS	
50”		3/4	9 Tooth	S3	SA5143-50	SATCO 50AS	
60”		3/4	9 Tooth	S2	SA5080-60	SATCO 60	

Southstar

Length	DL	Pitch	Sprocket	Mount	Gem #	Southstar	Oregon
29”	50	3/4	9 Tooth	SS	ST5127-29G	305029	
30”		3/4	9 Tooth	SS	ST5129-30G	305030	
32”		3/4	9 Tooth	SS	ST5086-32G	305032	
34”		3/4	9 Tooth	SS	ST5101-34G	305034	
36”		3/4	9 Tooth	SS	ST5091-36G	305036B	
37”		3/4	9 Tooth	SS	ST5104-37G	305037	
38”		3/4	9 Tooth	SS	ST5102-38G	305038	
39”		3/4	9 Tooth	SS	ST5105-39G	305039	
40”		3/4	9 Tooth	SS	ST5103-40G	305040	
43”	66	3/4	9 Tooth	SS	ST5125-43G	305043	
48”	72	3/4	9 Tooth	SS	ST5117-48G	305048	

Timberline

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
31-1/2”	50	3/4	8 Tooth	TL	TL5001-31G	311SNCJ134
34-1/2”	54	3/4	8 Tooth	TL	TL5000-34G	341SNCJ134

Timbco, E-limb-n-ator, Fabtek, Fortec, Hahn, Hytec, Silver Streak, Etc.

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
34”	55	3/4	9 Tooth	T	T5005-34G	341SNCT043
35”	56	3/4	9 Tooth	T	T5006-35G	
36”	57	3/4	9 Tooth	T	T5004-36G	361SNCT043

Timbco, E-limb-n-ator, Fabtek, Fortec, Hahn, Hytec, Silver Streak, Etc.

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
38”	59	3/4	9 Tooth	T	T5007-38G	
38-1/2”	60	3/4	9 Tooth	T	T5015-38G	381SNCT043
43”	65	3/4	9 Tooth	T	T5008-43G	
43-1/2”	66	3/4	9 Tooth	T	T5016-43G	431SNCT043
45”		3/4	9 Tooth	T	T5049-45G	
55”		3/4	9 Tooth	T	T5060-55G	

Trinder

Length	DL	Pitch	Sprocket	Mount	Gem #	Trinder	Oregon
43”		3/4	9 Tooth	TR	TR5114-43G	Trinder 43	

Universal Fit

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
32”		3/4		UF2	UF5145-32G	
33”	53	3/4		UF1	UF5131-33G	
35”		3/4		UF2	UF5085-35G	

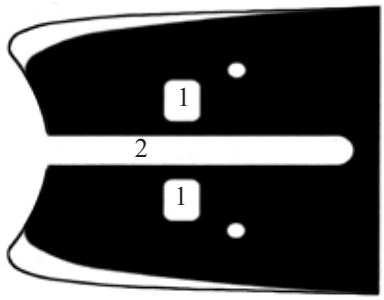
Wood Processor, Multitech

Length	DL	Pitch	Sprocket	Mount	Gem #	Oregon
35”		3/4	9 Tooth	WP	WP5067-35G	
35 1/2”	57	3/4	9 Tooth	WP	WP5075-36G	
36”		3/4	9 Tooth	MT	WP5071-36G	
40”		3/4	9 Tooth	MT	WP5061-40G	
48”		3/4	9 Tooth	MT	WP5124-48G	

Waratah

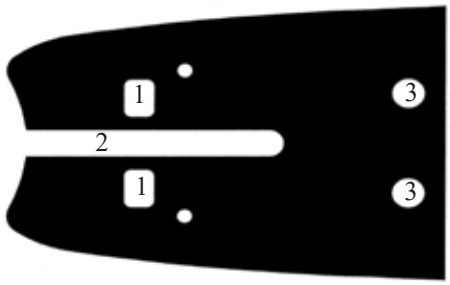
Length	DL	Pitch	Sprocket	Mount	Gem #	Waratah	Oregon
28”		3/4		W4	W5097-28G	WA118008C	
29” Wide	47	3/4	10 tooth	W2	W5036-29G	WA116269	
31”	50	3/4	7, 8 or 9 Tooth	W2	302-06-31G	WA103418	
32”	51	3/4	9 Tooth	W2	W5019-32G	WA115755	321SNCT146
35” Wide	55	3/4	10 Tooth	W2	W5081-35G	WA116548B	
36”	57	3/4	9 or 10 Tooth	W3	302-06-36G	F350672	361SNCT146
38”	59	3/4	9 or 10 Tooth	W3	302-06-38G	F350673	381SNCT146
38”	60	3/4	9 or 10 Tooth	WK	W5119-38G	WA128014	
40”	63	3/4	9 or 10 Tooth	W3	W5066-40G	WA118298	
40”	63	3/4	9 or 10 Tooth	WK	W5120-40G	WA128015	
40”		3/4	11 Tooth	WKW	W5130-40G	WA129968	
43”		3/4	9 or 10 Tooth	W3	W5094-43G	WA123385	
43”	67	3/4	9 or 10 Tooth	WK	W5121-43G	WA128016	
45”		3/4	9 or 10 Tooth	WK	W5136-45G	WA131086	
60”		3/4	9 or 10 Tooth	W3	W5133-60G		

GEM 2 (OUTLINE 2W)



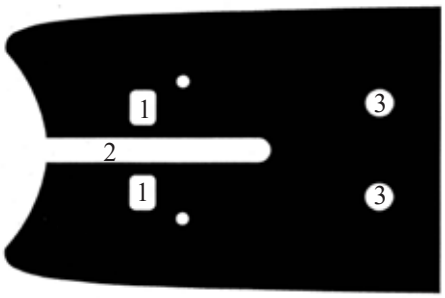
1 =.404”x.555 2 = 3.339” x .395”

GEM 4



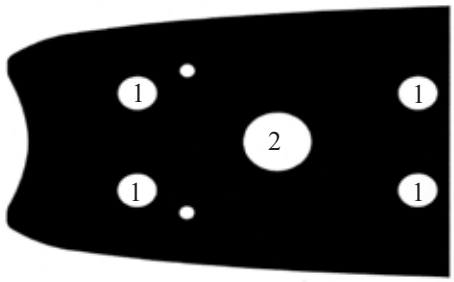
1 =.404”x.555” 2 = 3.339” x .395” 3 = .435”

GEM 4W



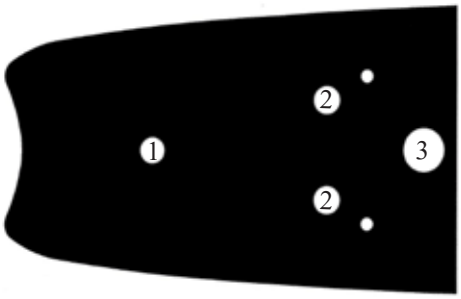
1 =.404”x.555” 2 = 3.339” x .395” 3 = .435”

GEM 5



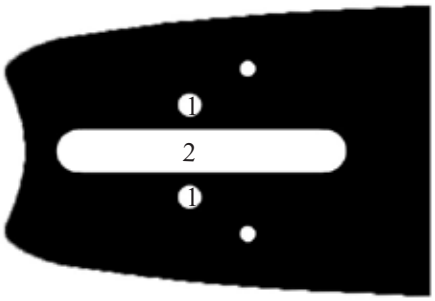
1 =.510” 2 = .885”

GEM 6



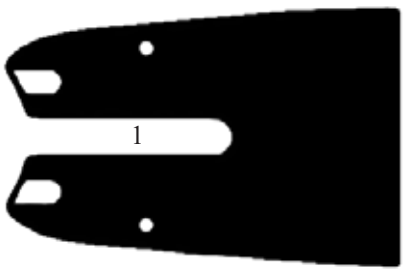
1 =.385” 2 = .415” 3 = .645”

GEM 7



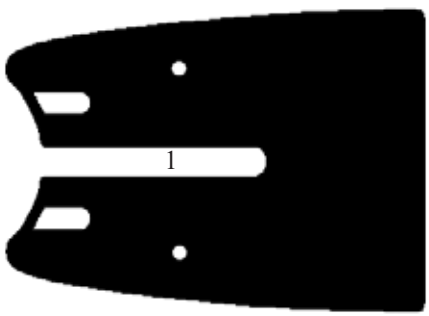
1 =.31” 2 = .571" x 3.914"

GEM UF



1 = .581” X 3.406 ”

GEM UFW

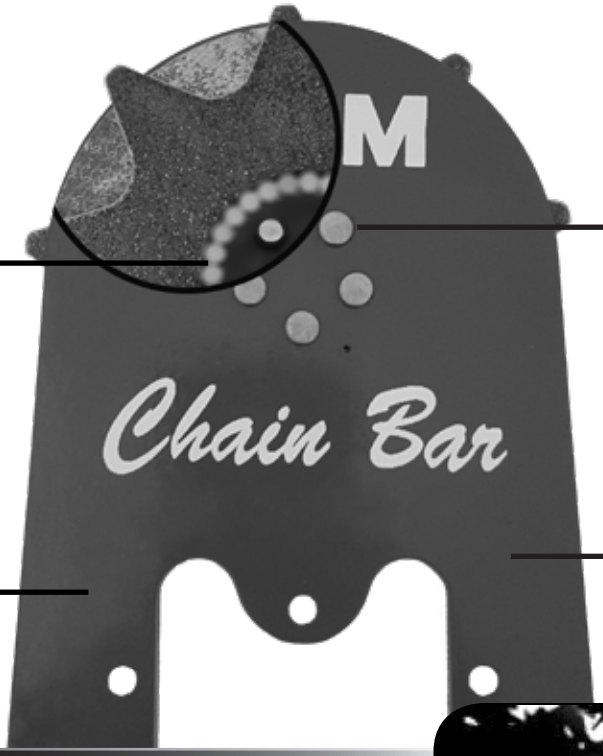


1 = .581” X 3.406 ”

.404 Cross Reference Guide				
Length	**DL**	**Mount**	**Gem #**	**Oregon**
54 cm / 21.26"	64	GEM 2	GEM 404 54 2	542HSFL104
55 cm / 21.65"		GEM UF	GEM 404 55 UF	552HSFL163
59 cm / 23.23"	68-69	GEM 2	GEM 404 59 2	592HSFL104
59 cm / 23.23"		GEM 2W	GEM 404 59 2W	592HSFN104
60 cm / 23.62"		GEM UF	GEM 404 60 UF	602HSFL163
64 cm / 25.2"	74-76	GEM 4	GEM 404 64 4	642HSFL114
64 cm / 25.2"	74	GEM 4	GEM 404 64 4W	642HSFN114
64 cm / 25.2"	77	GEM 5	GEM 404 64 5	624HSFL003
71 cm / 27.95"		GEM 4	GEM 404 71 4	712HSFL114
75 cm / 29.53"	85	GEM 4	GEM 404 75 4	752HSFL114
75 cm / 29.53"	86	GEM 4W	GEM 404 75 4W	752HSFN114
75 cm / 29.53"	88	GEM 5	GEM 404 75 5	752HSFL003
75 cm / 29.53"		GEM 6	GEM 404 75 6	752HSFL205
75 cm / 29.53"		GEM 7	GEM 404 75 7	
75 cm / 29.53"		GEM UF	GEM 404 75 UF	752HSFL163
75 cm / 29.53"		GEM UFW	GEM 404 75 UFW	752HSFB163
80 cm / 34.5"	92	GEM 4	GEM 404 80 4	802HSFL114
80 cm / 34.5"		GEM 4W	GEM 404 80 4W	802HSFN114
82 cm / 32.28"	93	GEM UF	GEM 404 82 UF	822HSFL163
82 cm / 32.28"	93	GEM UFW	GEM 404 82 UFW	822HSFB163
90 cm / 35.43"	102	GEM 4	GEM 404 90 4	902HSFL114
90 cm / 35.43"	102	GEM 4W	GEM 404 90 4W	902HSFN114
90 cm / 35.43"		GEM 5	GEM 404 90 5	902HSFL003
90 cm / 35.43"		GEM UFW	GEM 404 90 UFW	902HSFB163
100 cm / 39.37"	110	GEM 4	GEM 404 100 4	002HSFL114

Replacement .404 Tips	
GEM	Oregon
3000SN	537245

3000SN



.001 Tolerance Uniformity
Across Inner Tip Assembly:
Longer Wear Life

Special Alloy Rivets:
Improves Tip Strength
Increases Runtime

Uniform Metal Composition:
High Degree of Spring Back
High Bend Force Resistance

Solid Construction Design:
Less Stress on Rivets
Longer Wear Life

Side Plate Material

OTHER BAR TIPS	GEM BAR TIPS	Your Advantage:
Hardened Plate	Premium, Hard Plate	Eliminates Chipping
Hardened Edges	Hard Metal Composition	Prevents Cracking

Quality Control

OTHER BAR TIPS	GEM BAR TIPS	Your Advantage:
Out Sourced Part Manufacturing	In House Part Manufacturing	Consistent Quality and Durability
Inconsistent Quality Control Between In House & Outsourced	In House Quality Control Process Throughout Manufacturing & Assembly	Extended Wear Life Maximized Runtime Made in the USA

GEM HARVESTER BAR REPAIR

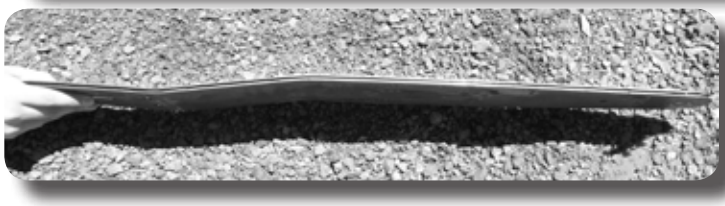
WHEN THE UNEXPECTED HAPPENS, PREVENT DAMAGE TO YOUR MACHINERY AND LENGTHEN THE LIFE OF YOUR CHAINS AND SPROCKETS:

SEND YOUR BAR TO GEM FOR REPAIR!

GEM CAN REPAIR AND REFURBISH ALL MAKES OF HARVESTER BARS, EVEN TWISTED BARS CAN BE STRAIGHTENED AND PUT BACK IN SERVICE.

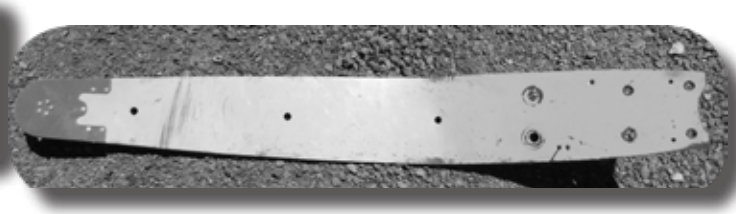
THE EXPERIENCED STAFF AT GEM WILL REPAIR,STRAIGNTEN, BUILD UP AND/OR HARDFACE RAILS, TRUE RAILS AND RE-GROOVE.

BEFORE - .404 HARVESTER BAR

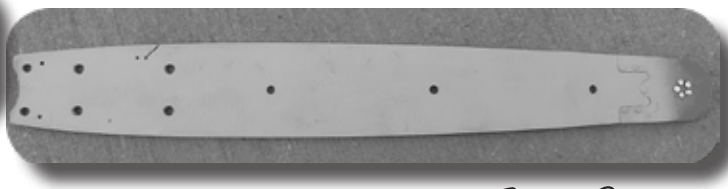


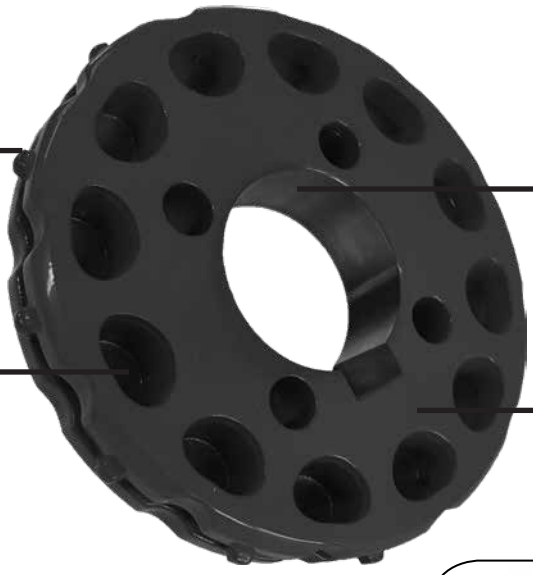
AFTER - .404 HARVESTER BAR

BEFORE - 3/4 HARVESTER BAR



AFTER - 3/4 HARVESTER BAR





Unique Trademark
Design Feature:
Raised Tooth

Inner Diameter Precision
Machined .0007 Tolerance
Ensures Accurate Shaft Fit

Unique Trademark
Design Feature:
Tapered Cleanout

Precision Machined
Robotic Manufacturing
Laser Probe Verified

Metal Composition

OTHER SPROCKETS	GEM SPROCKETS	Your Advantage:
Cast Metal	Machined Solid Billet	Increased Durability & Wear Life

Clean Out Area

OTHER SPROCKETS	GEM SPROCKETS	Your Advantage:
Slot Cleanout or Bubble Cleanout	Tapered Cleanouts	Improved Cleaning Increased Cooling

Chain Fit

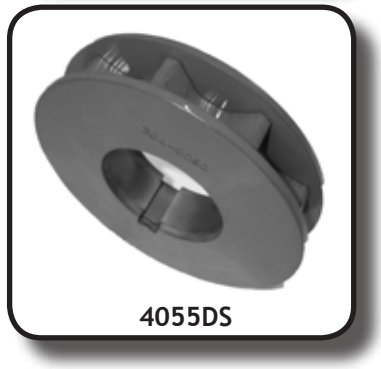
OTHER SPROCKETS	GEM SPROCKETS	Your Advantage:
Slot Smooth Surface	Taper Raised Tooth	Less Chain Stretch Less Chain Stress

3/4 PITCH SPROCKETS				
GEM #	**Sprocket**	**Bore**	**Keyway**	**Pitch**
4070DS-25mm	7 Tooth	25mm	8mm	3/4
4080DS-1.25	8 Tooth	1.25”	5/16”	3/4
4080DS-2	8 Tooth	2”	5/16”	3/4
4080SP	8 Tooth	25mm	8mm	3/4
4080DS-OG	8 Tooth	25mm	8mm	3/4
4080DS-25mm	8 Tooth	25mm	8mm	3/4
4080DS-30mm	8 Tooth	30mm	8mm	3/4
4080DS-50mm	8 Tooth	50mm	no key	3/4
4090DS-1	9 Tooth	1”	1/4”	3/4
4090DS-1.25	9 Tooth	1.25”	5/6”	3/4
4090DS-2	9 Tooth	2”	5/16”	3/4
4090DS-OG	9 Tooth	25mm	8mm	3/4
4090DS-HUB	9 Tooth	25mm	1/4"	3/4
4090DS-TaperLock	9 Tooth			3/4
4090DS-30mm	9 Tooth	30mm	8mm	3/4
4090DS-35mm	9 Tooth	35mm	10mm	3/4
4090DS-50mm	9 Tooth	50mm	no key	3/4
4090DS-55mm	9 Tooth	55mm	no key	3/4
4010RS-1.25	10 Tooth	1.25”	5/16”	3/4
4010DS-2	10 Tooth	2”	5/16”	3/4
4010DS-30mm	10 Tooth	30mm	8mm	3/4
4010DS-35mm	10 Tooth	35mm	10mm	3/4
.404 SPROCKETS				
GEM B11	11 Tooth	20mm	6mm	.404
GEM C11	11 Tooth	25mm	8mm	.404
GEM C12	12 Tooth	25mm	8mm	.404
GEM C13	13 Tooth	25mm	8mm	.404
GEM C14	14 Tooth	25mm	8mm	.404
GEM C15	15 Tooth	25mm	8mm	.404
GEM C16	16 Tooth	25mm	8mm	.404
GEM C17	17 Tooth	25mm	8mm	.404
GEM C18	18 Tooth	25mm	8mm	.404
SPUR SPROCKETS				
4055DS	9 Tooth	2”	5/16”	3/4
4099	9 Tooth	1.25”	5/16”	3/4


4080SP


4090DS - 30mm

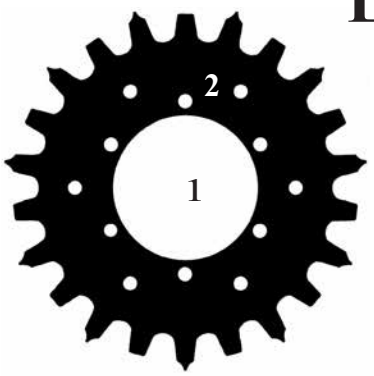

GEM C12


4055DS

ADDITIONAL SPROCKET BORE SIZES AVAILABLE
CUSTOM SPROCKET ORDERS WELCOME

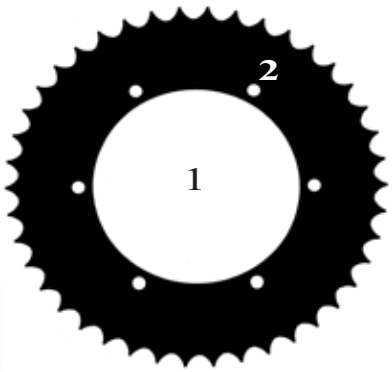
Logmax Pro Cut 2330

1 - 3.890”
2 - .413”



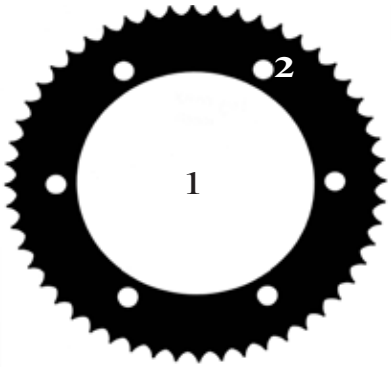
Log Max 7000

1 - 4.180”
2 -.270”



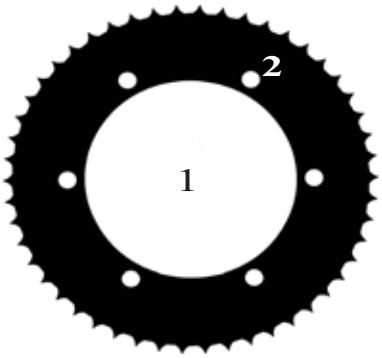
Log Max 10000

1 - 5.550”
2 - .490”



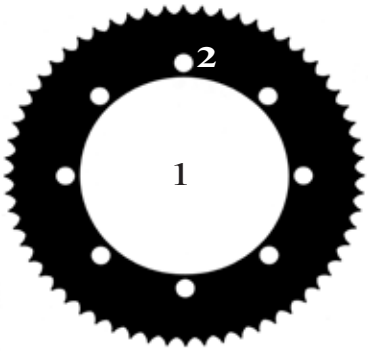
Log Max 12000

1 -6.104 ”
2 -.503”



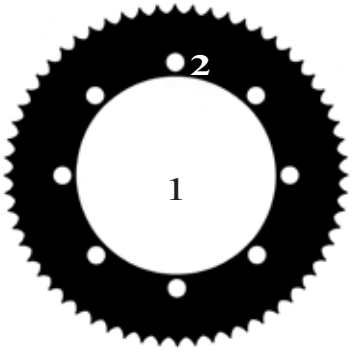
Waratah 624

1 - 6.650”
2 - .540”



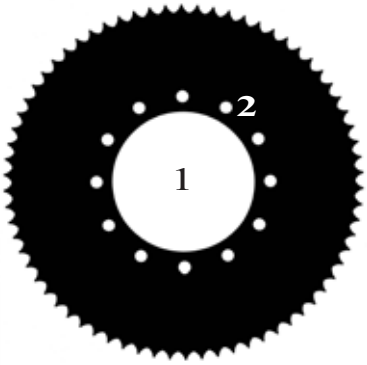
Waratah 622B

1 - 5.880”
2 - .540”



Satco

1 - 4.68”
2 - .413”



GEM MEASURING WHEELS

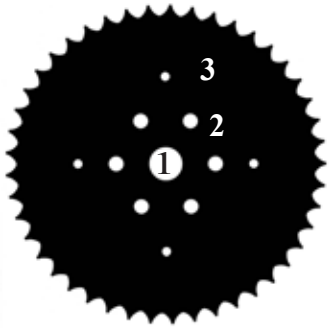
PRECISION WATER JET CUT:
NO MECHANICAL STRESS OR HEAT AFFECTED ZONE

PRECISION MACHINED:
ACCURATE INNER & OUTER DIAMETER

PREMIUM MATERIAL:
DURABLE, HIGH GRADE STEEL

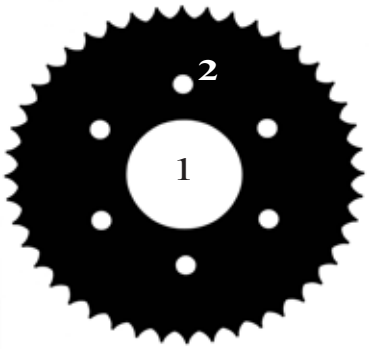
Valmet 965

1 - 0.795”
2 - 0.350”
3 - 0.260”



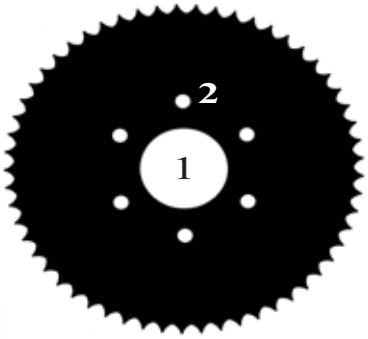
Southstar QS500

1 - 2.363”
2 - .413”



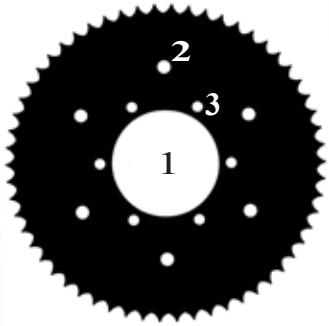
Southstar QS600

1 - 2.363”
2 - .413”



Komatsu K398

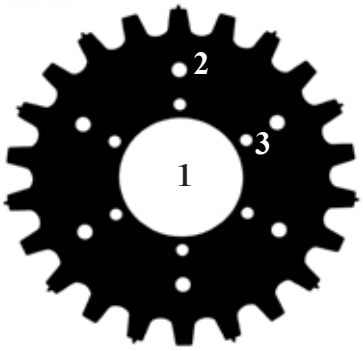
1 - 3.270”
2 - 0.412”
3 - 0.335”



Komatsu K385 - 2 Sides

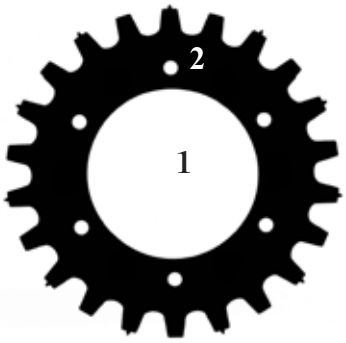
Side 1

1 - 3.270”
2 - .412”
3 - .335”



Side 2

1 - 4.760”
2 - .412”



GEM Chain Bar

INCREASED RUN TIME
LONG TERM DURABILITY
CONSISTENT PRODUCTIVITY

3/4 Pitch & .404 Harvester Bars

Precision Cut & Machined from Ballistic Grade Steel
High Degree of Bendforce Resistance / Springback
Replaceable External Tip

Rim Sprockets - 3/4 Pitch & .404

Machined from Solid Billet Material
Trademark Raised Tooth Design & Tapered Clean-Outs
Improves Cleaning & Cooling - Reduces Chain Stress & Stretch

Harvester Product Lineup Includes:

Harvester Bars - Replacement Tips - Sprockets
Measuring Wheels - Chain - Chain Loops
Bar Repair - Custom Solutions

www.GemChainBar.com | (800) 455-8471 | sales@gemchainbar.com

All GEM products are warranted to be free from defects in materials and workmanship.
If you experience any failure due to defects in materials or workmanship, package the product and send it prepaid to the following address:

GEM CHAIN BAR
93 Hwy 95 North
Grangeville, ID 83530

Be sure to include your name, address, phone number where you can be reached, and an explanation of the defect. If the defect is detected upon GEM's inspections of the product, it will be replaced or repaired FREE OF CHARGE. GEM products are not warranted against misuse, abuse, improper repair, or improper maintenance. Repair or replacement of products found to be defective is the exclusive remedy under this warranty and any applicable implied warranty. GEM shall not be liable for any consequential or accidental damages.