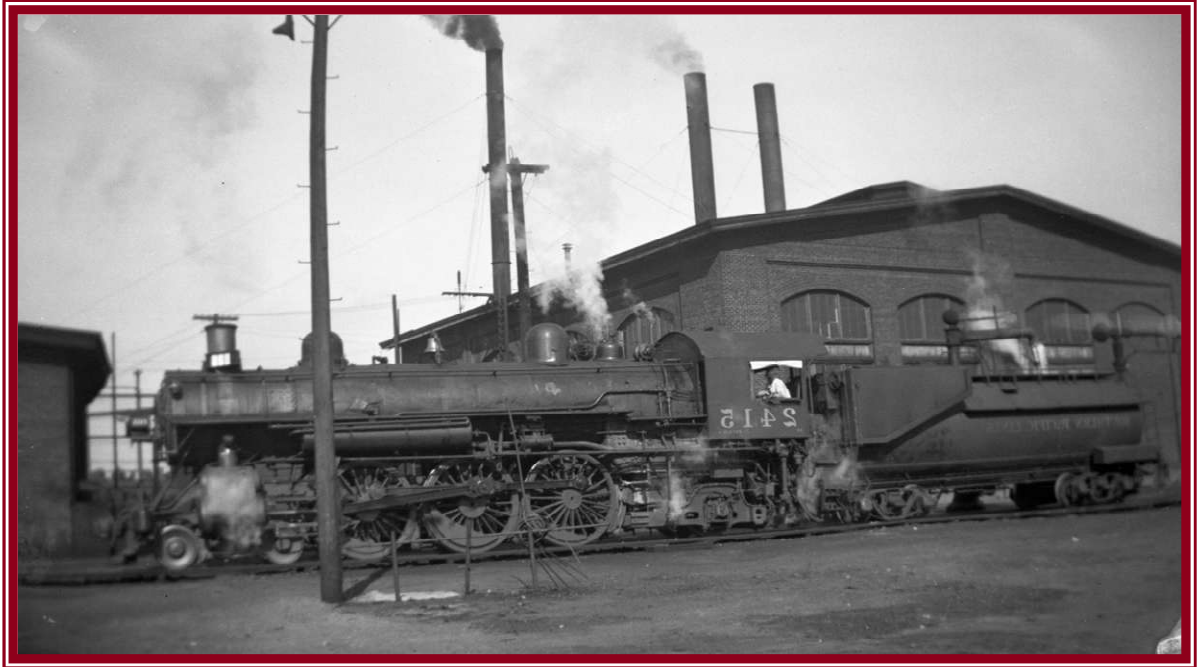


PACIFIC 4-6-2



Mystery surrounds the origin of the name 'Pacific'. One theory holds that the 4-6-2 earned the name when some locomotives of this arrangement were shipped across the Pacific to New Zealand. Another theory suggests that the name was derived from the Missouri Pacific following delivery of a batch of 4-6-2s to that railroad in 1902. Whatever the origin of the name, the advantages of the Pacific over the Atlantic were its longer boiler, greater horsepower, and the excellent pulling power from the weight distribution on the six drivers.

Most parts of the Pacific are common to the Atlantic, but the longer boiler, extra wheels, and greater weight enable the Pacific to pull extraordinary loads. A visit to almost any live steam club will find our Little Engines **PACIFIC** serving as the work horse pulling large loads of as many 50 adults hour after hour. Our **PACIFIC** is modeled after the Southern Pacific 2400 series P4 but, as with the Atlantic, the engine's superstructure can be changed by the builder to duplicate many other prototype locomotives.

SPECIFICATIONS

Engine & Tender Length	129 inches
Height	24 inches
Weight (Engine Only)	750 lbs (approx.)
Track Gauge	7 ¼ or 7 ½ inches
Bore & Stroke	2 ½ x 3 ½ inches
Drive Wheel Diameter	10 inches
Fuel	Coal, Oil, or LPG
Boiler	10 inch diameter
Minimum Turning Radius	40 feet

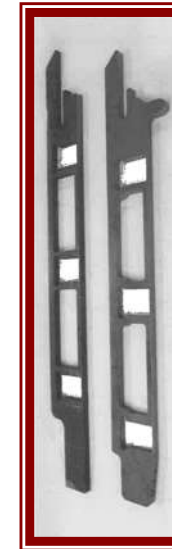
RECOMMENDED MACHINERY

12 inch swing lathe
Medium milling machine

4-6-2 Pacific

Section 1 - Prints 1 & 2A				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15A-1	1	Tie Bar	1/4" x 7/8" (7") crs	N/A
P15B-1	1	Tie Bar & Cylinder Stop	1/2" sq (7") crs	N/A
P15C-2	2	Top Bar	3/4" sq (48") crs	50.00
P15D-2	2	Cylinder Bar	3/4" x 7/8" (32") crs	N/A
P15E-2	2	Center Bar	5/8" x 3/4" (18") crs	N/A
P15F-2	2	Pedestal Binder	1/2" x 3/4" (30") crs	40.00
P15F-3	1	Water Pump Bracket	1/4" x 1-1/2" (7") crs	20.00
		Bolts & Nuts		N/A
P15-1WJ		Frame Water Jet		800.00

Rough Total Section 1 910.00



Section 2 - Prints 3 & 3A				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-1	1	Front Frame Spreader	(c)	40.00
P15-2	1	Center Plate	(c)	60.00
P15-3	4	Front Pedestal	5/8" x 3/4" x 13" crs	N/A
P15-4	4	Center Pedestal	5/8" x 3/4" x 13" crs	N/A
P15-5	2	Back Pedestal	(c) 1/2" x 3/4" (7") crs	N/A
P15-6	2	Brake Shaft Bearing	(c)	40.00
P15-7	2	Link Motion Bearing Bracket	(c)	24.00
P15-7A	2	Spring Equalizer Bearing	(c)	60.00
P15-7B	4	Spring Equalizer Br Clevis Pin	6" crs	N/A
P15-7C	1	Pivot Pin	1/2" round (3") crs	N/A

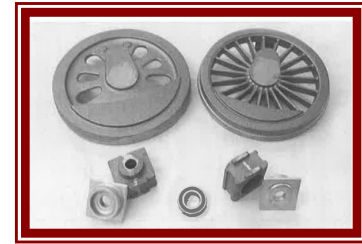
Rough Total Section 2 224.00



Section 3 - Prints 4A				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-8	6	Drive Wheels	(c)	480.00
P15-9	3	Axles	1-1/8" rd x 30" crs	35.00
P15-10	6	Journal Box	(c)	180.00
P15-11	6	Journal Box Cover	(c)	90.00

P15-12	6	Ball Bearings		108.00
P15-13	2	Crank Pins	Main 7/8" round (6") crs	6.00
P15-14	4	Crank Pins	13/16" round (9") crs	9.00
P15-15	4	Crank Pins Caps	1-3/16" round (6") crs	6.00
P15-16	6	Axle Key	1/4" sq (7") crs	5.00
		Bolts & Nuts		N/A

Rough Total Section 3 919.00



Section 4 - Print 5				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-17	6	Spring Saddles		120.00
P15-18	6	Spring Sets		240.00
P15-19	2	Rear Main Spring Hanger	Water Jet	60.00
P15-19A	2	Rear Main Spring Hanger Pin		7.00
P15-20	16	Hangers	1/8" x 1/2" (8") crs	80.00
P15-21	6	"U" Clamps	1/16" x 1/2" (24") crs	TBD
P15-22	6	Spring Rocker	3/8" round (12") crs	10.00
P15-23	6	Spring Bolts	5/16" Hex (8") crs	TBD
P15-24	20	Main Frame Spring Assm. Pin	3/8" (24") crs	TBD
P15-25	4	Spring Equalizer Bars Water Jet	1/4" x 3/4" (28") crs	80.00
P15-25A	16	Spacers	1/2" round (6") crs	5.00
P15-26	12	Spring End Block	1/2" sq (12") br	10.00
P15-27	4	Clevis	1/2" sq (6") br	5.00
P15-28	2	Clevis Rod	1/4" round (12") crs	2.00
P15-28A	4	Clevis Pin		14.00
P15-29	1	Back Traverse Bar Water Jet	1/4" x 1/2" (8") crs	20.00
P15-30	2	Tr. Truck Equalizer Bar Water Jet	1/4" x 3/4" (24") crs	80.00
		Bolts & Nuts		N/A

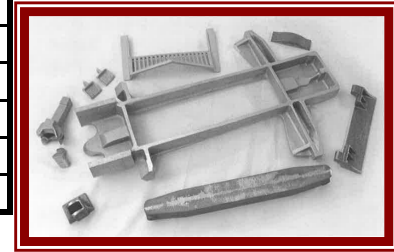
Rough Total Section 4 733.00



Section 5 - Prints 6 & 7				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-31	1	Cradle	(c)	350.00
P15-32	1	Draw Bar Pocket	(c)	40.00
P15-33	2	Draw Bar Pocket Pin & Nut	crs	5.00
P15-34	1	Pilot Beam	(c)	60.00
P15-35	1	Pilot (Cowcatcher)	(c)	60.00

P15-36	2	Pilot Steps	(c)	30.00
P15-37	1	Chaffing Iron	(c)	15.00
P15-38	1	Coupler Housing	(c)	40.00
P15-39	2	Sway Rod Brackets	(c)	80.00
P15-40	1	Coupler & Knuckle	(c)	40.00
		Bolts & Nuts		N/A

Rough Total Section 5 720.00



Section 6 - Print 8				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-41	1	Trailing Truck	(c)	350.00
P15-42	2	Trailing Truck Journal Box	(c)	80.00
P15-43	2	Trailing Truck Journal Box Cover	(c)	30.00
P15-44	2	Trailing Truck Journal Box Lids	(c)	30.00
P15-45	2	Trailing Truck Binders	1/4" x 1-1/2" (6") crs	TBD
P15-46	2	Wheels	(c)	70.00
P15-47	1	Axles	1-1/4" round (13") crs	13.00
P15-48	2	Bearings	(c)	30.00
P15-49	2	Clevis	(c)	16.00
P15-49A	4	Clevis Pin	3/8" round x 6" crs	1.20
P15-50	2	Clevis Long	1/2" square (8") crs	2.00
P15-51	2	Clevis Short	1/2" square (2") crs	0.50
P15-51A	6	Clevis Pin	3/8" round (6") crs	1.20
P15-52	2	Rocker Base	(c)	16.00
P15-52A	2	Rocker Base Dowel Pin		DNI
P15-53	2	Heart Rocker w/Pins	(c)	60.00
P15-53A	2	Heart Rocker Pad	3/8" x 1-1/4" (6") crs	TBD
P15-54	2	Spring Sets		70.00
P15-55	2	Spring Rockers	3/8" round (3") crs	0.50
P15-56	2	Spring Bolts	5/16" Hex (3") crs	TBD
P15-57	2	Spring Clamps	1/16" x 1/2" (6") crs	DNI
P15-58	4	Spring End Blocks	1/2" square (6") br	1.50
		Bolts & Nuts		N/A

Rough Total Section 6 771.90



Section 7 - Print 9

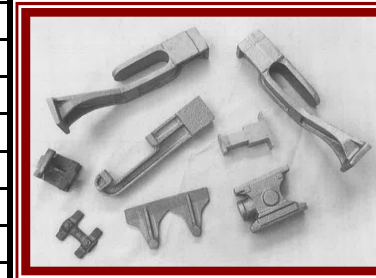
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-59	2	Lead Truck Side Frame	(c)	60.00
P15-60	2	Tie Bar	1/4" x 3/4" (24") crs	12.00
P15-61	4	Journal Boxes (with bearings)	(c)	140.00
P15-63	4	Wheels	(c)	128.00
P15-64	2	Axle	7/8" round (18") crs	7.00
P15-65	1	Center Plate	(c)	46.00
P15-66	1	Bolster	(c)	64.00
P15-66A		Bolster Pin	5/16" dia x 6" crs	1.00
P15-67	4	Swing Links	(c)	48.00
P15-68	8	Swing Link Pin	1/4" roud (12") crs	1.00
P15-69	4	Spring Equalizer Lazer Cut	1/8" x 2" (48") crs	40.00
P15-70	2	Spring Bearings	(c)	15.00
P15-71	2	Spring Sets		25.00
P15-72	2	Spring Rockers	3/8" round (2") crs	1.00
P15-73	2	Spring Clamps	1/16" x 1/2" (6") crs	DNI
P15-74	4	Spring End Blocks	1/2" square (6") br	1.50
P15-74A	2	Spring Assembly Bolt	5/16" hex crs	TBD
P15-74B	4	Spring Spacers		TBD
P15-74C	8	Spring Hangers Water Jet	1/8" x 5/8" (18") crs	40.00
		Bolts & Nuts		N/A

Rough Total Section 7 629.50



Section 8 - Prints 3A & 11

Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-75	2	Link Support	(c)	65.00
P15-77	1	Link Motion Bearer Water Jet	1/4" x 1" (18") crs	45.00
P15-78	2	Guide Yoke Bearer Support	(c)	36.00
P15-79	1	Guide Yoke Bearer-RR Water Jet	3/16" x 1-1/4" (12") crs	45.00
P15-80	1	Guide Yoke Bearer-FT Water Jet	3/16" x 1-1/4" (12") crs	45.00
P15-81	2	Guide Yoke	(c)	80.00
P15-82	2	Crosshead	(c)	80.00
P15-83	2	Wrist Pin & Nut		TBD
P15-84	2	Brake Cylinder Bar	3/16" x 1/2" (12") crs	1.50
P15-85	4	Crosshead Guide Bars	3/8" x 5/8" (48") crs	20.00
P15-86	2	Reverse Shaft Bearings	(c)	45.00



		Bolts & Nuts		N/A
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Rough Total Section 8 462.50

Section 9 - Print 11				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-87	2	Main Rod	(c)	120.00
P15-88	2	Main Rod Bushing	Front	5.00
P15-88A	2	Main Rod Bushing	Back	17.50
P15-89	2	Side Rod	(c)	90.00
P15-90		Side Rod Bushing	Front	9.30
P15-90A		Side Rod Bushing	Back	17.50
P15-90B	2	Front Side Rod Knuckle Joint Bushing		3.04
P15-91	2	Back Side Rod	(c)	90.00
P15-92	2	Back Side Rod & Bushing	Back	9.30
P15-93	2	Knuckle Joint Pin	3/4" hex (6") crs	TBD
P15-94	10	Gits Oilers		55.00

Rough Total Section 9 416.64



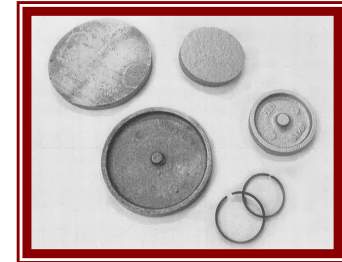
Section 10 - Print 12				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-95	1	Cylinder Block	3 (c)	300.00
P15-96	2	Cylinder Liners	(c)	164.28
P15-97	2	Cylinder Heads	Front (c)	80.00
P15-98	2	Cylinder Heads	Back (c)	80.00
P15-99	2	Stuffing Box	(c)	20.00
P15-100	2	Valve Liner		142.28
P15-101	8	Valve Piston Rings	1-3/8"	96.00
P15-102	2	Steam Chest Front Head	(c)	30.00
P15-103	2	Steam Chest Back Head	(c)	80.00
P15-103A	2	Steam Chest Back Head Spacer		30.00
P15-104	2	Packing Gland	(c)	24.00
P15-105	2	Piston Valve	1-3/8" x 7" crs	34.42
P15-106	2	Valve Stems	1/4" round (12") s.s.	5.00
P15-107	2	Valve Stem Crossheads Water Jet	1/2" x 1" (6") crs	40.00
P15-108		Packing & String		5.00
		Bolts & Nuts		N/A

Rough Total Section 10 1130.98



Section 11 - Print 13				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-109	4	Cylinder Head Covers	Front & Back	80.00
P15-111	4	Steam Chest Head Cover	Front & Back	60.00
P15-113	2	Pistons	(c)	13.60
P15-114	4	Piston Rings		48.00
P15-115	2	Piston Rod & Nut	1/2" round & nut (16") s.s.	18.00
P15-117	4	Val. Stem Keeper Plates Water Jet	1/8" x 1/2" (12") cr	32.00
		Bolts & Nuts		N/A

Rough Total Section 11 251.60



Section 12 - Print 14				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-118	2	Links & Blocks	5/16" x 1-3/4" crs	20.00
P15-119	4	Links Side Plates	(c)	72.00
P15-120	2	Eccentric Crank	5/16" x 1-1/4" (8") crs	30.00
P15-121	2	Eccentric Crank Pins	3/8" round (2") crs	1.00
P15-122	2	Combination Lever	(c)	40.00
P15-123	2	Union Link	(c)	40.00
P15-124	2	Eccentric Rods	(c)	40.00
P15-124A	2	Eccentric Rod Bushings		4.00
P15-125	2	Radius Rods	(c)	40.00
P15-126	1	Reverse Arm	(c)	25.00
P15-127	2	Lifting Arm	(c)	42.00
P15-128	2	Lifting Link	(c)	42.00
P15-129	1	Reverse Shaft	3/8" round (18") crs	1.85
P15-130		Valve Gear Pins	1/4" round 3/16" crs	1.00
		Bolts & Nuts		N/A

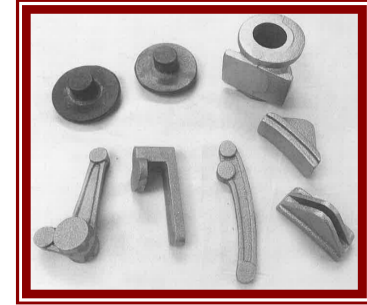
Rough Total Section 12 398.85



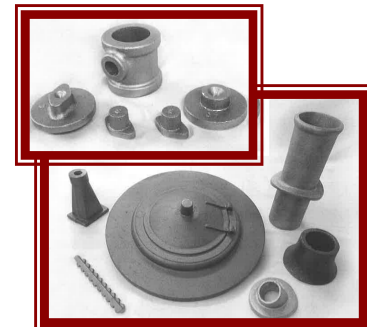
Section 13 - Print 16				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-132	1	Brake Cylinder	(c)	30.00

P15-133	2	Brake Cylinder Head	(c)	30.00
P15-134	1	Piston	1-1/4" round (1") BR	8.00
P15-135	1	"O" Ring	1-1/4" O.D.	1.00
P15-136	1	Piston Rod	5/16" round (4") s.s.	1.50
P15-137	1	Piston Rod Clevis	1/2" square (1") crs	1.00
P15-138	1	Brake Cylinder Spring		3.50
P15-139	1	Brake Crank Rod	1/4" x 1/2" sq (2-1/2") crs	1.50
P15-139A	1	Brake Crank Rod, Clevis	1/2" square (1") crs	1.00
P15-140	6	Brake Shoes	(c)	90.00
P15-141	3	Front, Intermediate, & Back Brake Bea	(36") crs	9.00
P15-143	6	Brake Beam Pin	1/4" round (24") crs	7.00
P15-144	4	#1 Hanger	(c)	60.00
P15-145	2	#2 Hanger	(c)	24.00
P15-146	1	Brake Crank	(c)	28.00
P15-147	1	Brake Crank, Clevis	1/2" sq (1-3/4") crs	1.75
P15-148	1	Brake Crank, Shaft	1/2" round (6") crs	4.50
P15-149	1	Brake Crank Equalizer	1/4" x 5/8" (4") crs	1.76
P15-150	6	Tie Rods	3/16" round (48") crs	14.00
P15-151	8	Brake Rigging Clevis - Short	1/2" sq x 8" br	6.00
P15-152	30	Clevis Pin	3/8" round (36") crs	3.67
P15-152A	4	Brake Rigging Clevis - Long	1/2" (4") br	3.50
P15-152B	4	Brake Beam Equalizer	1/4" x 1/2" (8") crs	6.00
P15-152C	8	Brake Rod Equalizer Links Water Jet	1/8" x 1/2" x 18" crs	TBD
P15-152D	2	Rear Hanger Pins	3/8" round (3") crs	1.00
		Bolts & Nuts		N/A

Rough Total Section 13 337.68



Section 14 - Prints 17, 18, & 20				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-153	1	Smoke Box	9-1/2" x .250" wall steel tubing	TBD
P15-154	1	Smoke Box Door & Ring	(c)	96.00
P15-155	8	Door Dogs	(c) makes 8	20.00
P15-156	1	Stack	(c)	40.00
P15-157	1	Stack Extension	(c)	40.00
P15-158	1	Exhaust Stand Pipe	(c)	30.00
P15-160	2	Dry Pipe Flanges	(c)	32.00
P15-161	1	Rotary Throttle Kit	kit	125.00



P15-161A	2	Branch Pipe Flanges	(c)	60.00
P15-161B	2	Grates	s.s.	TBD
		Bolts & Nuts		N/A

Rough Total Section 14 443.00

Section 15 - Prints 22 & 23				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-162	1	Steam Dome Casting	(c)	45.00
P15-163	1	Sand Box	(c)	41.00
P15-164	1	Turret Housing	(c)	52.00
P15-165	1	Pop Valve Housing	(c)	34.00
P15-166	8	Cab	7 (c) & alum floor	265.00
P15-167	2	Fire Box Door & Ring	(c)	80.00
P15-168	1	Headlight Holder	(c)	43.00
P15-169	1	Headlight Bracket	(c)	30.00
P15-170	1	Tender Buffer	(c)	30.00
P15-172	1	Buffer Spring		4.50
P15-173	1	Draw Bar	1/4" x 1" (12") crs	TBD
P15-173A	1	Steam Turret		TBD
		Bolts & Nuts		N/A

Rough Total Section 15 624.50



Section 16 - Prints 19B, 23, & 24B				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-174	1	Reverse Quadrant	(c)	41.00
P15-175	1	Reverse Quadrant Base	(c)	60.00
P15-176	1	Bell Unit	(c)	125.00
P15-177	1	Reverse Rod Clevis	3/8" square (2") crs	1.00
P15-178	1	Throttle Control	kit	30.00
P15-179	1	Air Brake Stand	kit	150.00
P15-179A	1	Boiler Brace	1/8" x 1/2" Brass	TBD
P15-179B	9	Running Boards	(c)	268.00
		Bolts & Nuts		N/A

Rough Total Section 16 675.00



Section 17 - Prints 25, 25A, 26, & 26A				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
A15-180	2	Tender frame	(c)	225.00
A15-181	2	Intermediate Frame Spacer	hrs	N/A
A15-182	1	Drawbar Pocket	(c)	30.00
A15-183	1	Draft Gear	kit	N/A
A15-184	1	Coupler & Knuckle	(c)	50.00
A15-185	1	Water Inklet & Top	(c)	TBD
A15-187	2	Center Plate	(c)	50.00
A15-188	2	Tender Steps	(c)	60.00
A15-198	1	Tender Tank	Water Jet	TBD
		Bolts & Nuts		N/A
Rough Total Section 17				415.00

Section 18 - Print 27				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-500	4	Side Frame	(c)	80.00
P15-501	2	Bolsters	(c)	80.00
P15-502	8	Journal Box	(c)	160.00
P15-503	8	Journal Box Lids	(c)	80.00
P15-504	8	Bearings	(c)	40.00
P15-505	8	Wheels	(c)	80.00
P15-506	4	Axles	1" round (48") crs	33.50
P15-507	4	Spring Seats	(c)	40.00
P15-508		Spring Pads	1/8" x 1-3/4" (8") crs	8.35
P15-509	16	Springs		72.00
P15-510	4	Tie Bars	1/8" x 5/8" (48") crs	8.35
		Bolts & Nuts		N/A
Rough Total Section 18				682.20



Accessories				
Part Number	Qty	Description of Part	Details (1989 - Catalogue 300)	Rough Price 2021
P15-600	1	Ash Pan	completed	N/A
P15-601	1	Oil Pan	completed	N/A
P15-603	1	Oil Tank	completed	N/A
Rough Total Accessories				0.00

	2021
Complete Set of Drawings	335.00
Complete Rought Kit: Castings, Bar Stock, & Hardware Upgrades, TBD, DNI not included Free drawings with complete sections	10,745.35
Complete and Tested Boiler	7,000.00
Painted and Ready-to-Run Locomotive	CALL

All prices are subject to change without notice or modification to the price list

