



PENN MACHINE COMPANY

Replacement Pinions and Gears for EMD* Locomotives

EMD PINIONS	
Teeth	Part Number
12	8452310
12	8168516
Sleeve	8034931
13	8428702
14	9556207
14	8179135
15	40006705 9096751
15	8459295
15	8458508
16	40023052 (helical)
16	40106309 (helical)**
16	40060860
16	40033875
16	8210792
16	8341961
16	9556208
17	8206504
17	40006706 9315722
17	9556209 8452314
17	9557232
18	9332201
18	9556210 8452315
18	40089075 9557233
18	9549922
19	9326333 9556211
19	9563399 9332202
20	9332203
20	9556212 ** 9326334
21	9556213
22	9556214
23	9557234 00704642

EMD BULL GEARS	
Teeth	Part Number
55	40049656 8184342
56	40049748 8184396
56	40049749
57	40049657 8184325
57	40049652 40009126
57	40051127 8491290
57	40051125 8341962
57	4009126
58	40049658 8184378
58	40051126 8458509
59	40049659 8184333
60	40049660 8179295
61	40049661 8184341
61	9549825
62	40068526
62	40068527
62	40049185 ** 8109579
62	9318170
62	8417930
62	9560538** 8203643
62	40051132 8459296
63	40051133 8200600
63	8326122
63	8402408
63	40051136 8452886
64	40051134 8428701
65	40049663 8178812
66	40049647 9556137
66	40085385
69	40047890 9556135
69	40016821
70	40012160 ** 9556134
70	40047891 40009480
70	40049306
70	40068529
71	40127727 9557039
82	40049672 9563406
83	40035909**
83	40060861
83	40106324 (helical)**
85	40023051 (helical)

EMD ENGINE GEARS	
Teeth	Part Number
265 (1 pc)	40051536 8416930
265 (3 pc)	40121149 ** 40051536-S 8416930-S
265 (3 pc CF)	40122615 **
265 (1 pc CF)	40114007
280 (1 pc)	40119488
79	8069019
79	8069014
58	8483944
Sleeve	8489656

CF = Chamfered

EMD ARMATURE SHAFTS	
Motor	Part Number
D37, D47, D57, D67, D77, D78	8307430 8277764 8168515
D37, D47, D57, D67, D77, D78	8307435 (.005 oversize) 8307432 (.025 oversize) 8307433 (.060 oversize)
D29	8307431 8307442 (.005 oversize) 8307443 (.025 oversize)
D43	9566868 9323978
D87	9519133
D87B	9550074
D37, D47, D57, D67, D77, D78	8168516 ** Integral Armature Shaft

Penn Machine Company maintains inventory of popular replacement parts for immediate delivery.

Items marked ** are PMC Stocked Inventory Item. Please inquire with your sales rep if you would like additional items stocked.

Contact us for your requirements.

*EMD is a trade designator of Electro-Motive Diesel, Inc. Penn Machine Company is not an authorized EMD distributor, nor is it otherwise associated with or affiliated with EMD. However, Penn Machine does represent that its replacement parts, components, subsystems, and services are compatible with and usable on EMD locomotives.

** Part availability continues to expand.

If your requirements are not shown on this list, call us at **814.288.1547** or email us at **pmcsales@pennmach.com**.



A Leader in Wheels & Maintenance Equipment for Transit, Rail & Mining/Industrial Applications

In 1920, Penn Machine Company (PMC) began as a coal company and pioneered the manufacture of quality replacement parts for coal mining equipment. Over the years, the company has grown to become a major supplier of heavy-duty OEM and aftermarket components for transit, railroad, mining, steel, construction, and general industrial applications. Our business is domestic and international in scope. Our capabilities and experience combine to provide a wide range of quality manufactured products and services. Penn Machine is comprised of three market-focused stand-alone business units: Energy, Transit, Locomotive, and Industrial/Mining. The company has operations in Johnstown and Blairsville, PA, and is part of The Marmon Group, global organization of manufacturers owned by Berkshire Hathaway Corp.



American Gear Manufacturers Association



PENN MACHINE COMPANY

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A Marmon/Berkshire Hathaway Company