







## Denso Pinion Gear







Metro#	Electrical Type	Tooth	Rotation	Spline	Gear OD	Gear Length	OAL Length	Ref#	
54-82100	Denso	9	CW	9	28.50	16.50		54-82200	No Photo Available
54-82114	Denso	9	CW	9	33.50	12.40	17.00		
54-82184	Denso	9	CW/CCW	18	29.00	21.00	25.00	Closed end 16839 use	
54-82101	Denso	9	CW/CCW	18	29.00	23.50	17.00	54-82201  For CW use 54-82101-1, For CCW use 54-82143	
54-82101-1	Denso	9	CW	18	29.00	23.50	17.00	For CW/CCW use 54- 82101, For CCW use 54-82143	
54-82143	Denso	9	CCW	18	29.00	23.50	17.00	For CW/CCW use 54- 82101. For CW use 54-82101-1	
54-82135	Denso	9	CCW	18	29.00	23.50	15.50	54-82208	No Photo Available
54-82144	Denso	9	CW	18	29.00	25.00	21.00	54-82217	
54-82144-1	Denso	9	CW	18	29.00	12.00	25.00	Closed end	
54-82145	Denso	9	CCW	18	29.00	25.00	21.00	54-82217	
54-82146	Denso	9	CW	18	29.00	25.00	18.00	54-82218	
54-82532	Denso	9	CW		32.00		40.00		No Photo Available
54-82104	Denso	9	CW	18	32.50		23.50	54-82204	
54-82185	Denso	9	CW/CCW	18	33.40	14.40	23.45		

54-82118	Denso	9	CW	18	33.50		23.50	54-82220	
54-82186	Denso	9	CW	18	34.30		23.50	w/lip	
54-82186-1	Denso	9	CW	18	33.70		23.50	wo/lip	
54-82540	Denso	9	CW	16	35.50		36.00	54-82211	
54-82540	Denso	9	CW	16	35.50		36.00		
54-82533	Denso	9	CW	16	35.50		40.00		
54-82117	Denso	9	CW/CCW	9	36.50		23.50		
54-82216	Denso	10	CW	18	27.80	16.50	23.50		
54-82120	Denso	10	CW	18	28.00		25.00	54-82215	
54-82106	Denso	10	CW	18	33.00		25.00	54-82206	
54-82105	Denso	10	CW	18	39.00		23.50	54-82205	
54-82105-1	Denso	10	CW	18	39.50	14.50	23.25	028000-8230	
54-82522	Denso	10	CW	16	40.50		36.00	54-82209	
54-82121	Denso	11	CW	18	29.20	12.20	23.50		
54-82103	Denso	11	CW	18	29.50		23.00	54-82203	
54-82103-1	Denso	11	CW	18	29.50		23.00	17020 17197 17216	No Photo Available
54-82159	Denso	11	CW	18	33.50		23.50	54-82219	
54-82524	Denso	11	CW	16	34.00		40.00	54-82210	

54-82523	Denso	11	CW	16	34.50		40.00		
54-82527	Denso	11	CW		38.00		36.00		No Photo Available
54-82525	Denso	11	CW	16	40.00		36.00	54-82212	
54-82525-1	Denso	11	CW	16	40.00		36.00	Wider Teeth	
54-82535	Denso	11	CW		40.00		40.00		
54-82167	Denso	11	CW	18	40.50	14.60	23.70	54-82214	
54-82528	Denso	11	CW	16	41.50		40.00	54-82221	No Photo Available
54-82534	Denso	12	CW		37.00		35.50		No Photo Available
54-82526	Denso	12	CW	16	43.50		36.00		No Photo Available
54-82520	Denso	12	CW	16	44.50		36.00		No Photo Available
54-82521	Denso	13	CW	16	39.50	12.20	36.00	54-82202	
54-82139	Denso	13	CCW	18	40.50	23.50	12.50	54-82216	
54-82544	Denso	13	CW	16	40.00		40.00	Used on Lester 17362A	
54-82107	Denso	13	CCW	18	41.00	23.50	16.50	54-82207	
54-82107-1	Denso	13	CCW	18	39.50	18.00	23.50	Open end	
54-82107-2	Denso	13	CCW	18	40.50	18.00	23.50	Open end	
54-82529	Denso	13	CW		45.50	36.00	36.00		No Photo Available
54-82530	Denso	13	CW	16	46.50	36.00	36.00		

54-82153	Denso	15	CW	18	44.00	23.50	15.00	54-82213	
54-82531	Denso	15	CW	16	44.00		40.00		
54-82198	Denso	17	CCW	18	39.00	15.20	22.60	For Mitsuba SM302-26	
54-82541	Denso				38.00		40.00		No Photo Available




## Hitachi Pinion Gear

Metro#	Electrical Type	Tooth	Rotation	Spline	Gear OD	Gear Length	OAL Length	Ref#	
54-82125	Hitachi	8	CW	10	28.00		87.00	54-81205  <a href="#">16694</a> <a href="#">16803</a> <a href="#">16982</a>	
54-82116	Hitachi	8	CCW	10	28.00		94.00	54-81209  <a href="#">16816</a> <a href="#">17178</a>	
54-82110	Hitachi	9	CW	10	25.50		87.00	54-81201  <a href="#">17138</a> <a href="#">18492</a> <a href="#">18493</a>	
54-82137	Hitachi	9	CW	10	29.00		87.00	54-81200  <a href="#">16540</a> <a href="#">16807</a> <a href="#">16811</a> <a href="#">16986</a> <a href="#">17074</a> <a href="#">17146</a> <a href="#">17294</a> <a href="#">More...</a>	No Photo Available
54-82154	Hitachi	9	CW	10	32.50		87.00	54-81204  <a href="#">18050</a> <a href="#">18067</a> <a href="#">18292</a> <a href="#">18293</a> <a href="#">18295</a> <a href="#">18320</a> <a href="#">30055</a>	No Photo Available
54-82126	Hitachi	9	CW	10	35.50		87.00	54-81206  <a href="#">16733</a> <a href="#">18054</a> <a href="#">18061</a> <a href="#">more...</a>	
54-82127	Hitachi	21	CCW	10	60.00		78.00	54-81207	
54-82128	Hitachi	25	CCW	10	70.50		76.00	54-81208  <a href="#">16732</a> <a href="#">16814</a>	

## Mitsuba Pinion Gear

Metro#	Electrical Type	Tooth	Rotation	Spline	Gear OD	Gear Length	OAL Length	Ref#	
54-855200	Mitsuba	9	CW	18	29.00		41.00	54-85200	No Photo Available
								16845, 16901, 16902, 16914, 16960, 16975, 17052, 17156, 17160, 17201, 17205, 17474, 17491, 17527	

## Mitsubishi Pinion Gear

Metro#	Electrical Type	Tooth	Rotation	Spline	Gear OD	Gear Length	OAL Length	Ref#	
54-82187	Mitsubishi	9	CW	9	28.90	18.80		54-83209  16584 16720 16866 17172 17173 18248	
54-82133-1	Mitsubishi	9	CW		29.00	16.00	51.00		
54-82154	Mitsubishi	9	CW	10	32.50		87.00	17088	No Photo Available
54-82142	Mitsubishi	10	CW	8	28.00	16.50	33.00	17006 17046 17564	
54-82132	Mitsubishi	11	CW	8	34.50	14.30	28.10	16795	
54-82130	Mitsubishi	12	CW	20	36.00	18.00		54-83207 16744 16799 Late	
54-82147	Mitsubishi	12	CW	20	37.00	16.00		54-83218  17577 17578	No Photo Available
54-82131	Mitsubishi	13	CW	20	39.50	18.50	16.50	54-83202 16584 17036	
54-82129	Mitsubishi	13	CW	20	39.50	18.00		54-83202 16744 16799 Early	
54-82124	Mitsubishi	15	CW	18	45.00	19.00		54-83213  17097 17141	