











## Shaft for Denso OSGR Starter Drive

Metrto#	Parts	Rotation	Used with	Total Length (mm)	Note	Used On Metro Clutch	
54-82003	Shaft	CW	54-82004 & 54-82012 Sleeve	83.00	17197	54-82011	
54-82016	Shaft	CCW	54-82015 Sleeve			54-82013 54-82014	
54-82017	Shaft	CCW	54-82214 Sleeve	83.00		54-82014	No Photo Available
54-82123	Shaft	CCW	54-82122 Sleeve	102.50	16893, 16978, 17170, 17274		
54-82178	Shaft	CW	54-82177 Sleeve	112.70	17622		
54-82196	Shaft	CW		83.00	1/4-20 Hole	For Harley use	
54-82197	Shaft	CW		83.00	10-31 Hole	For Harley use	
54-82199	Shaft	CW		102.50	10-SPL Waffle type use		
54-82855	Shaft	CW	54-82856 Sleeve	146.10	2.5kw		
54-82855-1	Shaft	CW	54-82856-1 Sleeve	146.10	2.5kw		
54-82855-2	Shaft	CW	54-82856-1 Sleeve	146.30	2.5kw	Lester 17362A use For 13 Teeth version use	

## Sleeve for Denso OSGR Starter Drive

Metrto#	Parts	Rotation	Used with	Total Length (mm)	Note	Used On Metro Clutch	
54-82004	Sleeve	CW	54-82003 Shaft	52.50	17197	54-82007	
54-82012	Sleeve	CW	54-82003 Shaft	80.46		54-82011	
54-82015	Sleeve	CCW	54-82016 Shaft	80.15		54-82013	
54-82122	Sleeve	CCW	54-82123 Shaft	90.50	16893, 16978, 17170, 17274		
54-82166	Sleeve	CW			16236, 16248, 16578, 16674 etc use	22.6mmOD 64.3mm OAL	
54-82177	Sleeve	CW	54-82178 Shaft	74.00	17622	5-Spline 13.6mmID 22.6mmOD	
54-82177-1	Sleeve	CW	54-82178 Shaft	74.00		10-Spline	
54-82214	Sleeve	CCW	54-82017 Shaft	52.00	17170, 17242		No Photo Available
54-82856	Sleeve		54-82855 Shaft	92.00	2.5kw	Dry Clutch use	
54-82856-1	Sleeve		54-82855 & 54-82855-1 Shaft	92.00	2.5kw	Wet Clutch use	
54-82176	Sleeve	CW		90.25	Special designed for Waffle type use		