



Center Distance a		100mm	
Ratio i	DRW100	60	
	Planetary Gear	211.68	
	Total	12700.8	
Self-Locking		yes	
Backlash		New Condition	After Life Time (25 Years)
	DRW100	≤ 0.7 mrad measured at ± 50 Nm on the output	≤ 1.7 mrad measured at ± 50 Nm on the output
	Planetary Gear	$\leq 1^\circ$ measured at ± 2 Nm on the output (corresponds to ≤ 0.3 mrad at output of DRW100)	
	Total	≤ 1.0 mrad	≤ 2.0 mrad
Efficiency		$>20\%$ at 20°C and 500Nm	
Rated Output Torque $T_{2\text{Tracking}}$	T_2	Duty time	
	100 Nm	61.6 %	
	200 Nm	28.4 %	
	400 Nm	8.7 %	
	750 Nm	1 %	
800 Nm	0.3%		
Short Term Static Overload Torque $T_{2\text{max}/\text{static}}$		2500Nm	
Maximum Tilting/Overturning Moment $M_{K\text{max}}$		$\geq 6000\text{Nm}$	
Corrosion Protection / Coating		powder coating or 3-layer wet paint	
Ambient Conditions / Temperature		outdoor installation; -30 to $+65^\circ\text{C}$	
Maintenance		free of maintenance for >25 years	



