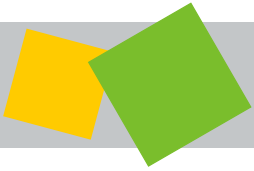




# Hydraulics

**Torqmotor™**  
Series TL



# Superior Low-Speed Smo

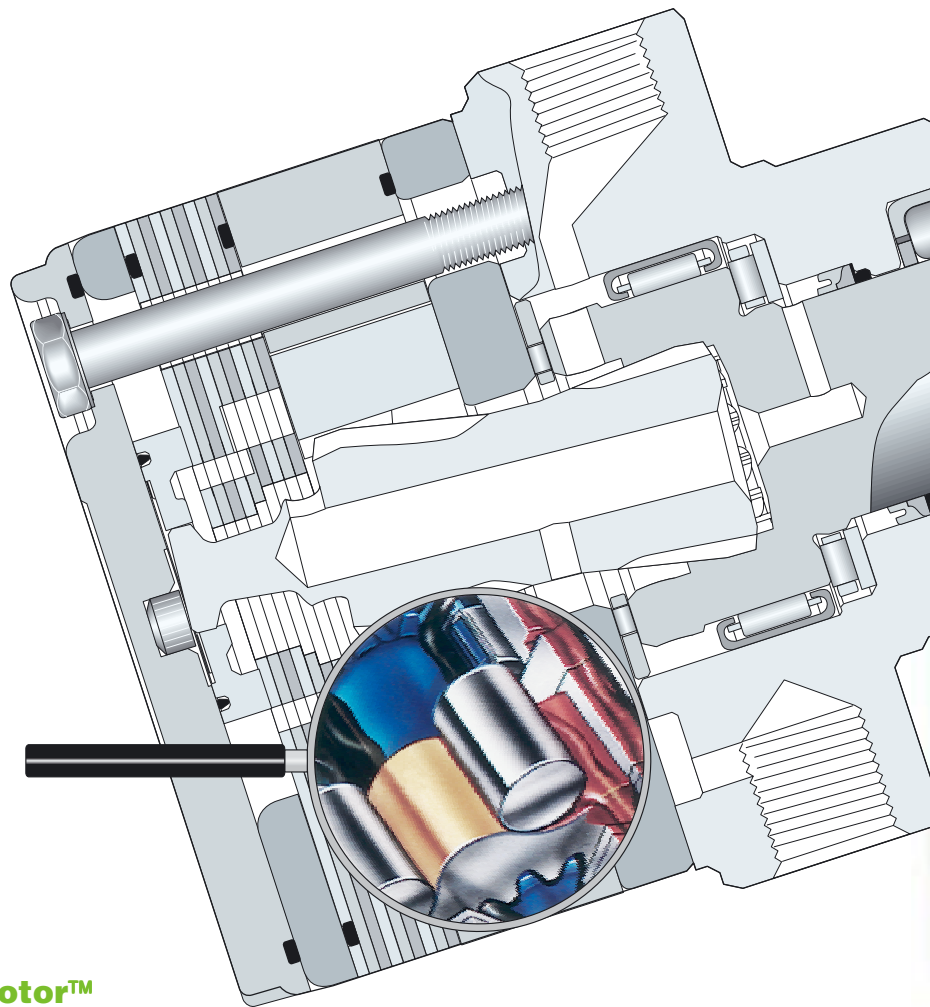
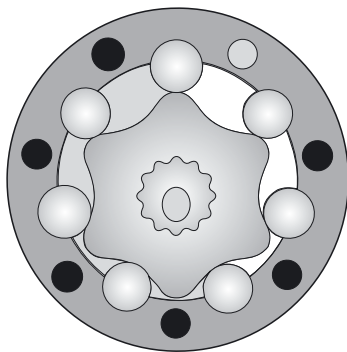
## Exceptional Power Density and Durability

The heart of the new compact Torqmotor™ is the strongest drive train in its class. Coupled with this extra heavy-duty drive train are the high efficiency and the low-speed performance for which the Parker Torqmotor™ is known. As with all Torqmotors™, high-speed valving and full flow

drive train lubrication are standard. Case drains are not required. Roller vanes and a sealed commutator maintain high efficiencies and provide smooth low-speed performance. Fluorocarbon shaft seals and vespel commutator seals are standard.

## Low-speed Gerotor motor

- **Specific commutation valve**
  - Low internal leakage
  - High volumetric efficiency
- **Wide choice of displacement range, flange and shaft options**
  - Numerous applications possible
- **Patented high-pressure shaft seal**
  - No internal check valves required
  - No extra plumbing necessary
- **Roller vane rotor set**
  - Reduced friction
  - Prolonged service life



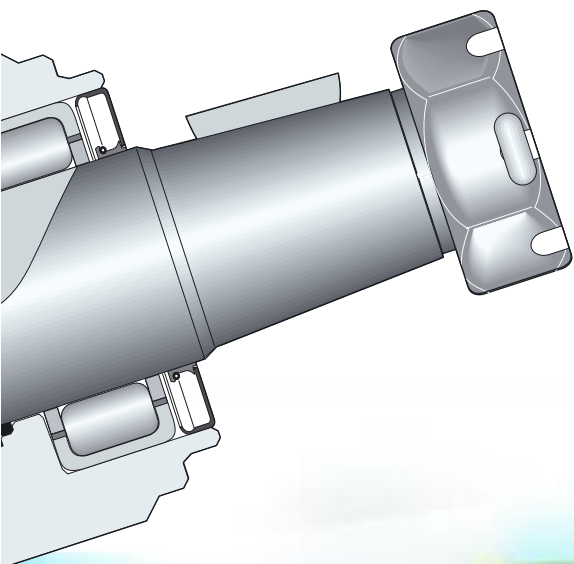
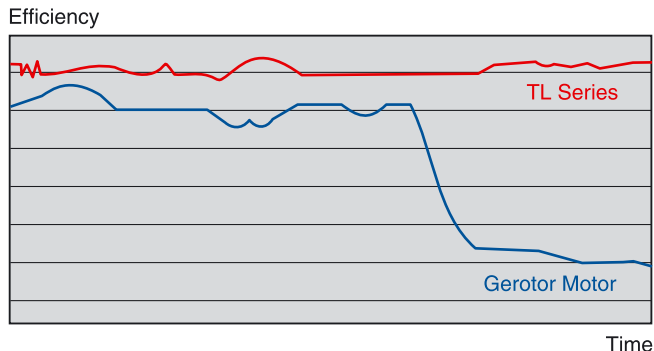
## Characteristics series TL Torqmotor™

Motor	Geom. displacement [cm <sup>3</sup> /rev]	Max. speed [rev/min]	Oil flow [l/min]		Differential pressure	
			cont.	int.	cont.	int.
TL 0195	195	484	68	95	190	241
TL 0240	238	399	68	95	190	241
TL 0280	280	335	68	95	190	241
TG 0310	310	310	68	95	190	241
TL 0335	337	280	68	95	190	241

# Smoothness, Smallest Dimensions

## Advantages

- Ideal for all hydraulic low-speed high-torque applications up to 34kW
- High power density
- Case drain and check valves not required
- Bearing life superior to similar competitive designs
- Rotor timing unaffected by drive link twist or shaft loads
- Full flow spline lubrication and cooling extends spline and motor life
- Shorter in length and lighter in weight



## Applications

Wheel drives, grab rotating, sissor lifts, winches, bale wrappers, combine reeldrives, forwarders, auxiliary equipment



Pressure [bar] max.	Max. supply pressure [bar]	Torque [Nm]			Max. performance [KW]	Starting torque [Nm]		
		cont.	int.	max.		cont.	int.	max.
276	300	511	648	755	34	414	526	610
276	300	620	790	914	34	536	679	773
276	300	730	929	1077	34	619	787	871
276	300	847	1079	1223	34	713	907	1005
276	300	882	1125	1294	34	775	983	1113

anything  Possible.

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