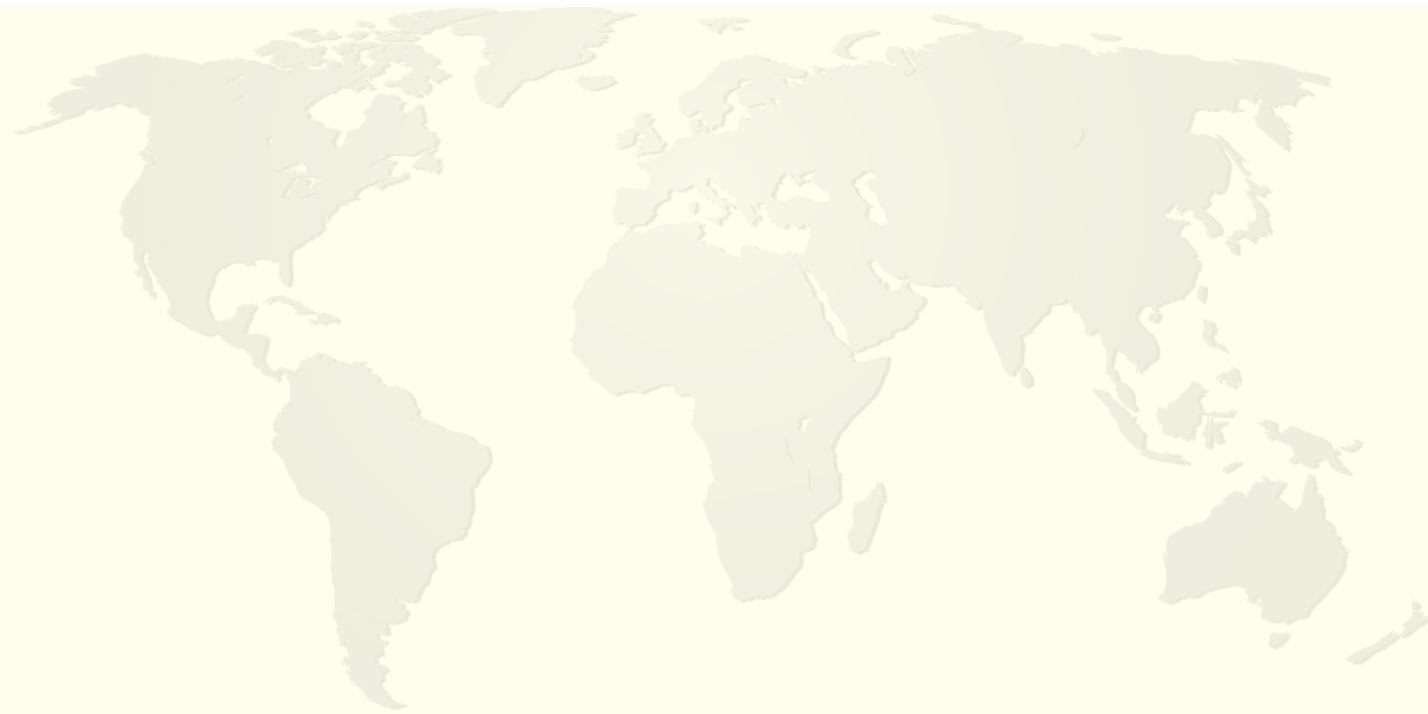




挖掘机液压密封系统产品手册

Manual of Excavator Sealing System



Professional manufacturer of engineered polymer products



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Excavator Hydraulic cylinder sealing system solution

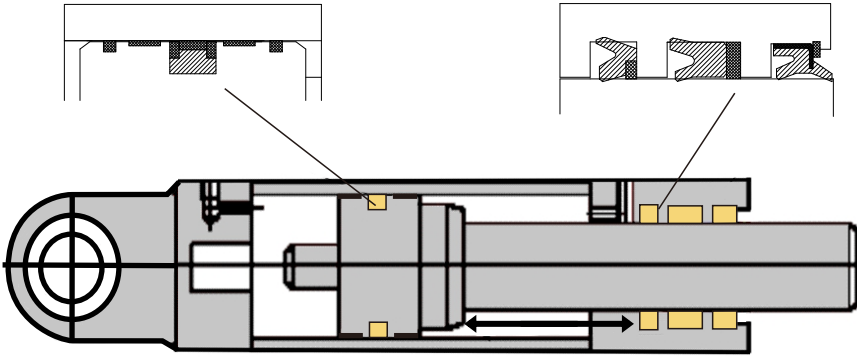


Position		Piston seals system	Rod seals system
Bucket cylinder Stick cylinde Boom cylinder Use condition: •Pressure : 0 ~ 34.3MPa •Speed : 200 ~ 300mm/s •Temperature : -30 ~ 100°C	Dual-function cylinder	 Applicable to small and micro excavator Applicable to medium and large excavator	
Tension cylinder Use condition: •Pressure : 0 ~ 78.5MPa •Temperature : -30 ~ 100°C	Pressure maintaining cylinder		

TPI (thermoplastic polyimide) guide tape for hydraulic cylinder High strength polyamide imide guide tape



- Surface evenly distributed oil guide groove
- Increase surface lubricity
- Reduce the abrasion of the cylinder wall



Sealing name	Application model		Application model	Usage Temperature
buffer ring	 PLMR02BS		PLMPUR(PU)	-30℃ ~ 110℃
			PLMPA(PA)	
Rod Seals	 PLMR01  PLMR01-S Pressure relief		PLMRUBBER-N(NBR)	-30℃ ~ 100℃
			PLMPUR(PU)	-30℃ ~ 110℃
Wipers	 PLMW03C		PLMPUR(PU)	-30℃ ~ 110℃
Piston seals	 PLMP08D		PLMRUBBER-N(NBR)	-30℃ ~ 100℃
	 PLMP23LF		PLMFLON+BRONZE(PTFE+BRONZE)	
	 PLMP01		PLMPA(PA)	
waste discharge ring	 PLMBG		PLMPUR(PU)	-30℃~110℃
			PLMFLON+BRONZE(PTFE+BRONZE)	-55℃ ~ 220℃
Guide	 PLMG01 PLMG03	Standard	PLMTX(Phenolic resin sandwich cloth)	-55℃ ~ 120℃
		High strength	PLMTPI(Polyimide)	-200℃ ~ 230℃
Back-up ring	 PLMB08	Standard	PLMFLON+BRONZE(PTFE+BRONZE)	-55℃~220℃
		High strength	PLMPA(PA)	-55℃~120℃

The occurrence of accumulated pressure should be prevented when the seals are used back-to-back or in series connection. So please adopt the seals with pressure relief function.