

## ROTOR CLEARANCE

Rotor clearance must be precisely maintained to provide maximum pumping efficiency, yet prevent contact between rotors, rotor case, and front cover during operation.

If pumping efficiency is lower than expected or if parts contact has occurred during operation (Within rated differential pressure), check the rotor clearances and adjust, if incorrect.

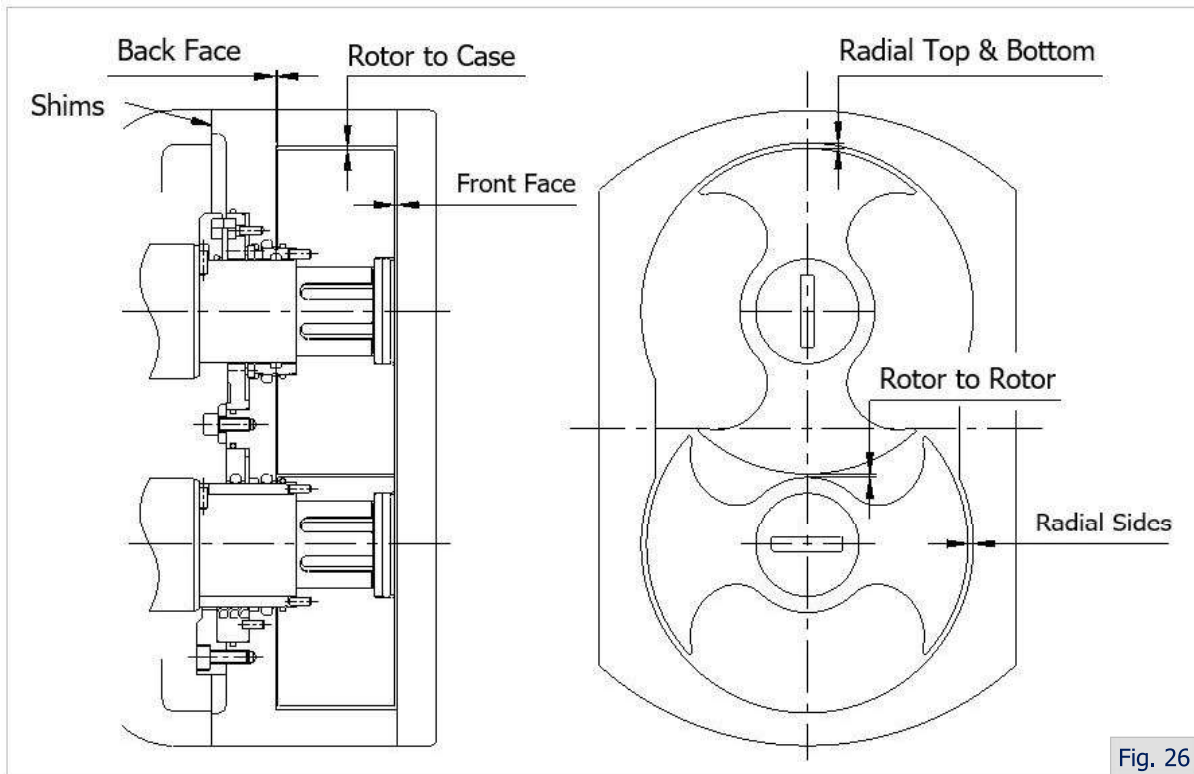


Fig. 26

Standard Rotor Clearances (mm)					
Model	Back Face	Front Face	Radial Sides	Radial Top & Bottom	Rotor to Rotor
ZL105-002-20	0.07	0.07	0.07	0.07	0.1
ZL110-005-20	0.07	0.07	0.07	0.07	0.1
ZL115-012-12	0.15	0.15	0.27	0.12	0.15
ZL120-021-08	0.15	0.15	0.3	0.13	0.13
ZL220-040-12	0.2	0.2	0.3	0.15	0.2
ZL225-062-08	0.2	0.2	0.4	0.2	0.2
ZL330-102-12	0.3	0.3	0.4	0.2	0.3
ZL340-144-08	0.3	0.3	0.45	0.25	0.3
ZL440-227-12	0.35	0.35	0.55	0.3	0.4
ZL450-334-08	0.35	0.35	0.7	0.45	0.4

There are two areas of rotor clearances as illustrated following:

- Rotor tip clearance; not adjustable set by manufacturer
- Front and back face clearance; adjustable by shim