Vickers®

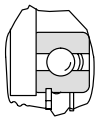
Vane Motors

High Torque, Low Speed Vane Motors

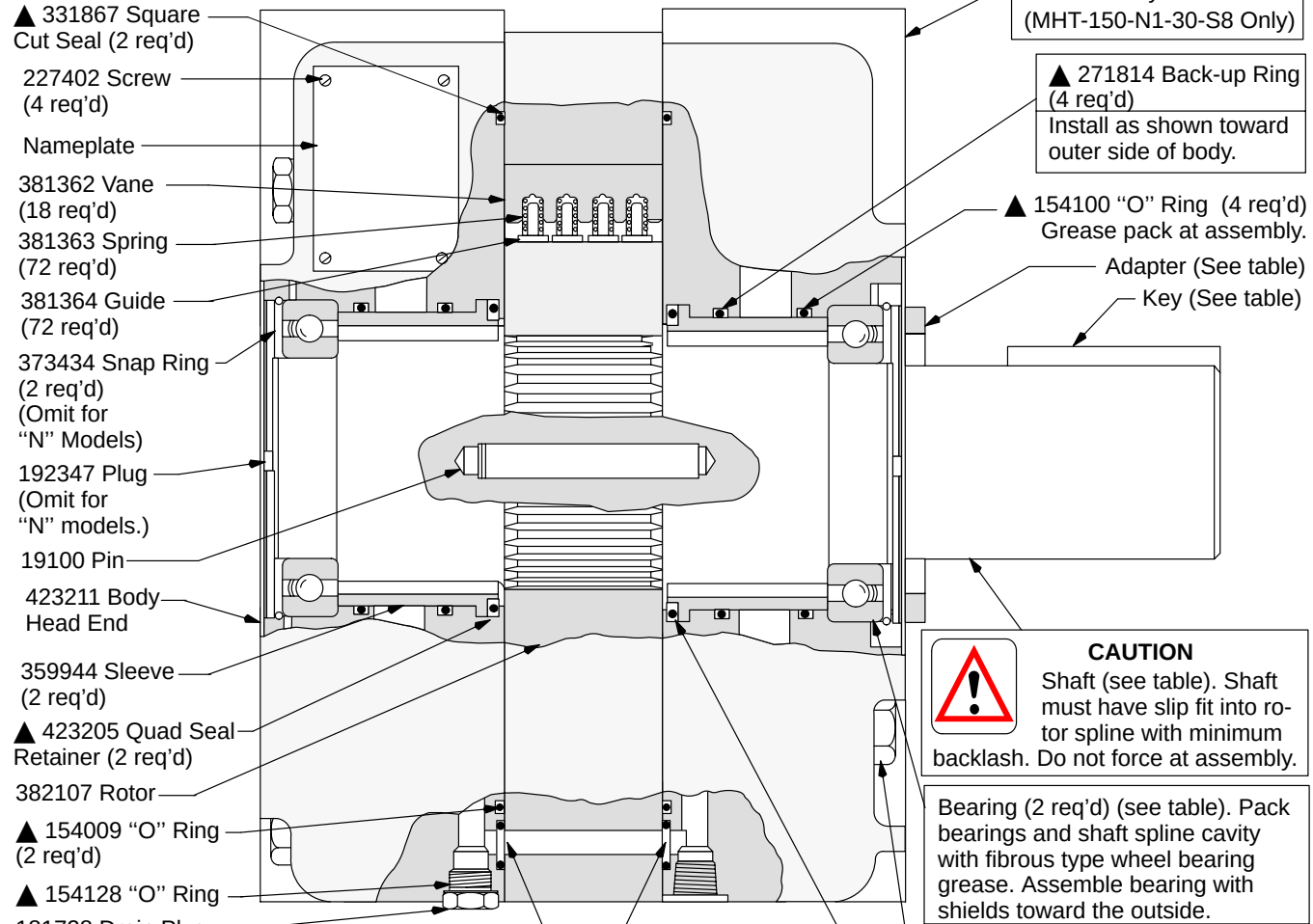
MHT SERIES 110/130/150

Model	Shaft	Key (*2 req'd)	Bearing (*2 req'd)	Ring	Adapter (*2 req'd)
MHT-110-N1-30	—	—	—	—	
MHT-110-R1-30	345769	334231	(*) 373927	401263	
MHT-130-N1-30	—	—	—	—	—
MHT-130-R1-30	345769		(*) 373927	375221	
MHT-150-N1-30	—	—	—	356176	
MHT-150-N1-30-S1			334582		
MHT-150-R1-30	356165	334231	(*) 373927		374542
MHT-150-R1-30-S3	354379	(*) 334231	(*) 373927		(*) 374542
MHT-150-N1-30-S8		—			—

■ NOTE
Install sleeves below face of body .002/.006 inch.



Bearing Assembly for -S1 Model



CAUTION
Shaft (see table). Shaft must have slip fit into rotor spline with minimum backlash. Do not force at assembly.

Bearing (2 req'd) (see table). Pack bearings and shaft spline cavity with fibrous type wheel bearing grease. Assemble bearing with shields toward the outside.

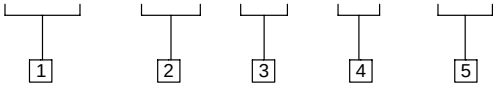
CAUTION
When assembling cartridge, insert vanes in rotor slots at the minor diameter of cam ring. Rotate cartridge one complete revolution prior to assembly with bodies. This prevents misalignment of springs and guides.

CAUTION
Assemble both rings and spacer with case drain located as shown. Not rotated with hole at top.

Std/F3 Seal Kit Cross Reference	
▲ Std 919530	F3 919872

Model Code

MHT - 1*0 - *1 - 30 - (S*)



1 Model Series

High torque, low speed vane motor

2 Theoretical Torque in Lb. Ft. per 100 PSI Differential Pressure

110/130/150

3 Shaft

N1 - No shaft
R1 - Solid shaft with square key

4 Design

5 Special Shaft

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from pressure, return, and in-line filter series are recommended.

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