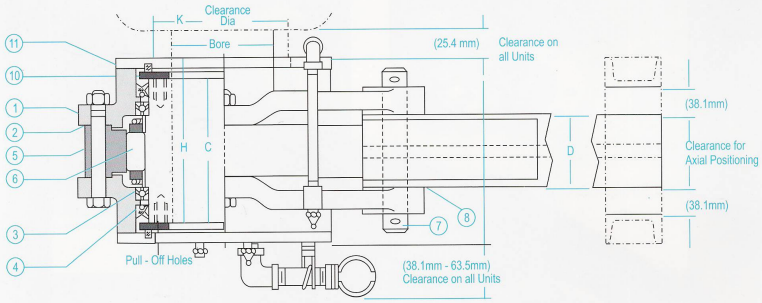
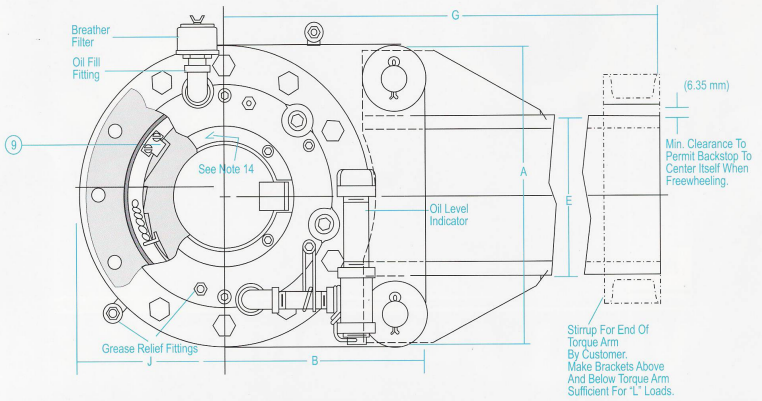
Anti Runbacks

OPERATING DETAILS

1. Coverplate
2. Gasket
3. Ball Bearing
4. Oil Seal
5. Outer Race
6. Sprag Cage
7. Pin & Cotter Keys
8. Torque Arm
9. Stop Lug
10. Doublelip Seal
11. Outer Labyrinth





DIMENSIONS AND DATA

The torque arm end must not be rigidly attached to steel framework. The bracket or stirup of the end of the torque arm must provide clearance to permit the Anti Runback to center itself in axial and angular positions to prevent pincing of bearings and damage or failure of unit, and must be sufficient for "L" loads above and below torque arm for Anti Runback size selected. The preferred position is horizontal to reduce bearing loading for longer bearing life.
Refer to certified drawings and instruction bulletins furnished with each other.

NOTE:
A Backstop be mounted for desired rotation. Arrow on inner race indicates direction of free shaft rotation. Before mounting on shaft, be sure to check direction of free rotation.

NOTE:
N Seals are factory packed with grease. Before placing in operation, backstop must be filled internally with recommended oil.

Engineering Data

Backstop Size	Nominal Torque Nm	Max Torque Nm	Max RPM	Load "L" Kgs	Max* Bore mm	Max*Bore Keyway mm	Ship Weight Kgs.
VAR3SC	3818	7637	300	510	75	20 x 4.9	46
VAR6SC	7600	15200	250	920	95	25 x 5.4	69
VAR12SC	15000	30000	210	1325	120	32 x 7.4	100
VAR18SC	25500	51000	180	1776	140	36 x 8.4	152
VAR27SC	39000	78000	150	2259	165	40 x 9.4	207
VAR63SC	44500	89000	120	4462	205	50 x 11.4	381
VAR90SC	77800	155600	105	6072	240	56 x 12.4	520
VAR135SC	81500	163000	90	8464	265	63 x 12.4	690
VAR180SC	142625	285250	80	10 580	300	70 x 14.4	966

Dimensions (mm)

Backstop Size	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm
VAR3SC	210	143	105	64	76	133	813	119	105	86
VAR6SC	248	165	127	70	102	159	914	143	124	108
VAR12SC	292	203	133	83	127	165	1270	149	146	133
VAR18SC	343	235	148	92	152	179	1422	164	168	162
VAR27SC	384	254	178	98	178	213	1676	195	191	181
VAR63SC	498	311	203	127	254	238	1981	221	244	241
VAR90SC	584	362	229	140	305	267	2083	248	270	270
VAR135SC	654	406	254	143	381	298	2235	276	308	324
VAR180SC	774	419	273	159	457	321	2388	297	349	362

INSPECTION LIST FOR SLOW SPEED HOLDBACKS

Weekly Inspection

a.	Check all pipe work	If leaking - repair
b.	Check oil level sight glass	If cracked - replace
c.	Check breather	If elements is blocked - replace. If cover is damaged - replace.
d.	Check oil level	If low - top up
e.	Check torque arm pins	If split pins are missing - Fit new split pins.
f.	Check holdback temperature	If more that the ambient temp. Plus 20 degrees call. Vital for assistance (93° Max with ambient of 52°C)
g.	Check vibration sensor	If any vibration other that the installation vibration is present call Vital immediately to assist you.
h.	Check The torque arm support stirrup	If loose, or any bolts missing replace or repair immediately, the torque arm side clearance must not be less that 25mm both sides of the torque arm.
i.	Check grease in purging cavity	Pump grease in at every inspection, this is only to keep the dust out (Remove the dust plug before pumping the grease in) any EP 2 or normal Grease can be used.

Three Monthly Inspection and Service

The inspection must be completed like the weekly inspection and then be serviced as follows:

1. The holdback oil must be drained and flushed out, preferably whilst unit is operating, to flush properly.
2. The holdback must be refilled with an oil viscosity grade of 100.
3. The grease dust plug must be removed and all the old grease must be pumped out to remove the dust from the system.
4. Do not pump any grease in unless the plugs are removed it will cause holdback failure.
5. Oil samples must be analyzed to check for material particles.
6. Damaged grease nipples must be replaced
7. Damaged pipe leaks must be sealed or replaced.