

# DRIFTER 120F



HAVA

## Introducing HAVA DRIFTER 120F

Hava Drifter 120F is a heavy duty Rock Drill for drilling holes of diameter between 48mm (1.90") to 89mm (3.50") with the use of 32mm ( 1 1/4") and 38mm ( 1 1/2") extension drill steel equipment.

This Top Hammer is used with drill rigs/Wagon drills for a variety of surface and underground drilling applications such as Bench drilling, Long hole drilling, Grout hole drilling and Tunnelling applications such as Ring and face drilling, drifting and trenching, etc.

### PRODUCT FEATURES:

- ✓ **Piston** with 120 mm diameter for powerful impact.
- ✓ **Reversible Rotation** is achieved by Rifle bar with 8 Pawls (4 Pawls for each direction) to engage and disengage.
- ✓ **Lock Spring** is used to keep front head cover in place.
- ✓ **Flushing** can be alternately air or water.
- ✓ **Easily Mountable** on a variety of drill rigs with a variety of shank adaptors.



### TECHNICAL SPECIFICATIONS

Type	Weight	Length	Air Req.*	Piston Stroke	Piston Diameter	Impact Rate	Impact Power	Rotation Speed	Chuck for Drill Steel
Model	Kg (Lbs)	mm (Inch)	m <sup>3</sup> /min (cfm)	mm (Inch)	mm (Inch)	Hz (bpm)	kW	range (rpm)	mm (Inch)
HAVA 120F	70 (154)	780 (30.70)	10 (350)	65 (2.56)	120 (4.72)	33 (2100)	7.2	210-240	38 (1.50) Leyner Shank

\* Air Requirement of 6 Bar (87 psi) 600 kPa

### Air Connection Specifications

Impact Mechanism		Flushing		Rotation Reversal	
mm	Inch	mm	Inch	mm	Inch
38	1.50	19	0.75	12	0.47

## SPARE PARTS:

All parts of the 120F drifter are manufactured using top grade alloy steel and machined on highly precision machines with very close tolerances to achieve maximum output and drilling performance.



## EXTENSION EQUIPMENTS:

Shank adaptors and coupling sleeve (R 32) are manufactured using latest technology and heat treated to give high resistance value and fatigue strength.

The task of the shank adapter is to transmit rotation torque, feed force, impact energy and flushing medium to the drill string.

Coupling sleeves are used for extension of drill rod connection with center stop to avoid over-threading to the drill pole.



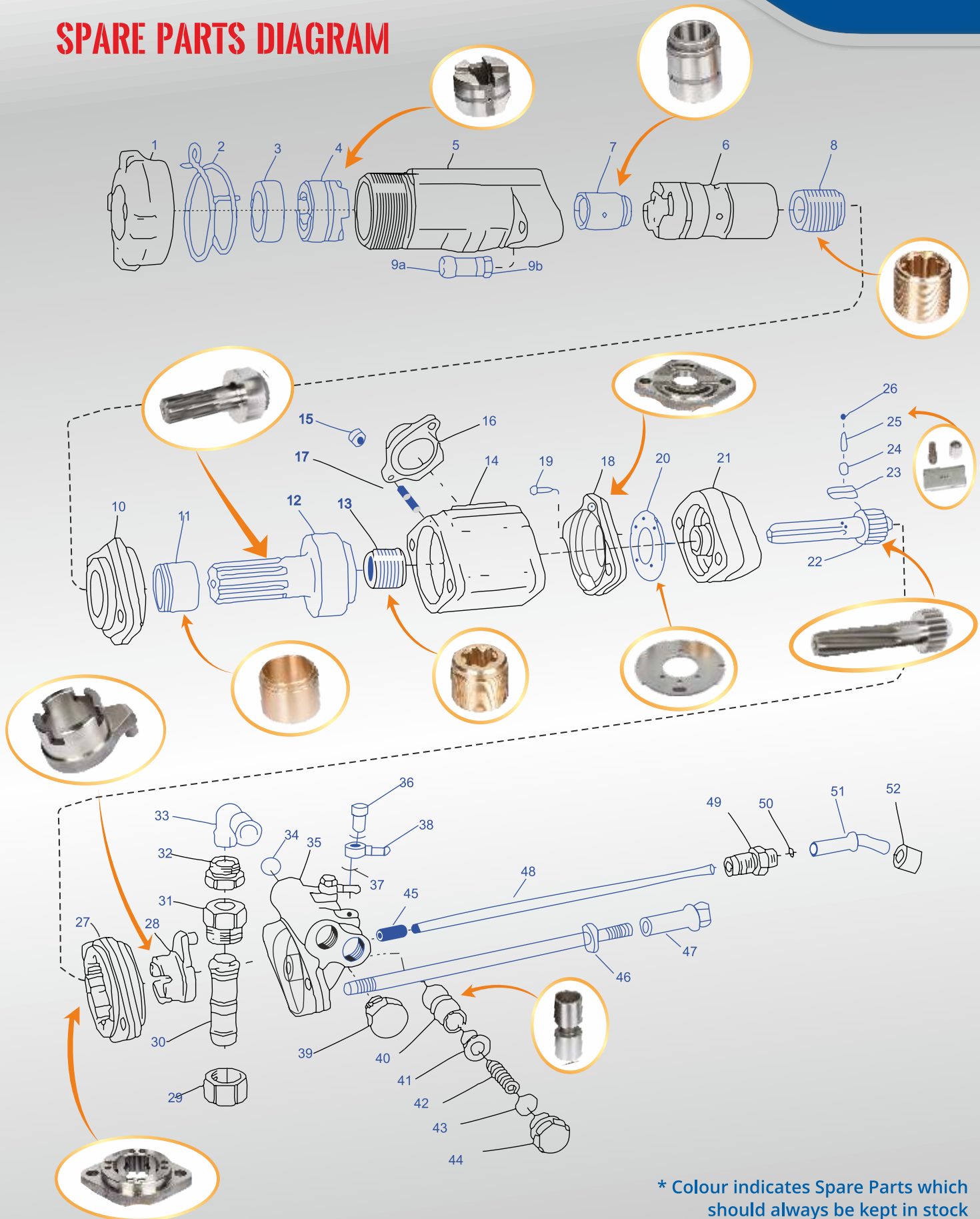


# SPARE PARTS LIST

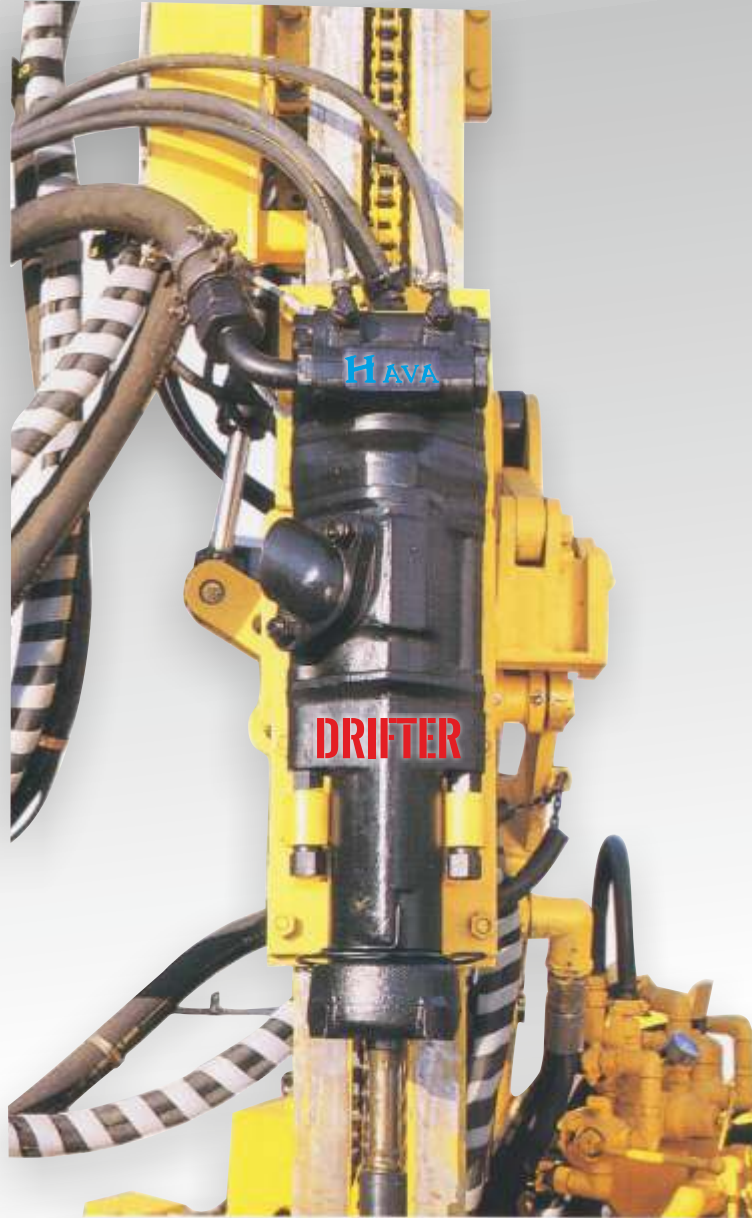
Sr. No	Ref No.	Description	Qty.	Sr. No	Ref No.	Description	Qty.
1	3161-0230	F.H. Cover	1	24	3141-0083	Pawl Pin	8
2	3161-0993	Lock Spring	1	25	3115-0774	Pawl Spring	8
3	3161-0215	Rotation Chuck (Stop Ring)	1	26	3161-0525	Damper	8
4	3161-0216	Rotation Chuck	1	27	3161-0377	Ratchet Box	1
5	3161-0231	Front Head	1	28	3161-0378	Pawl Lifting Ring	1
-	3161-0328-80	Rotation Chuck Complete	-	29	9000-0335	Coupling Nut	1
6	3161-0328	Rotation Chuck	1	30	9000-0177	Hose Nipple	1
7	3161-0218	Rotation Chuck Bushing	1	31	9000-0485	Adapter	1
8	3161-0329	Guide Nut	1	32	3000-9922	Adapter	1
9a	3141-0071	Nut Bottom side Bolt	2	33	3161-0070	Inlet Nipple	1
9b	3141-0072	Nut Bottom side Bolt	2	34	0663-2132	O Ring	2
	3161-0819-80	Intermediate Part Complete	-	35	3141-0093	Back Head	1
10	3161-0819	Intermediate Part	1	36	3161-0820	Pressure Screw	2
11	3161-0235	Bushing	1	37	038-1101	Brass Seal Washer	2
-	3161-0307-80	Piston Complete	-	38	3161-0229	Banjo Connection	2
12	3161-0307	Piston	1	39	3161-0069	Plug	1
13	3161-0308	Rifle Nut	1	40	3141-0095	Operating Piston	1
-	3161-0524-80	Cylinder Complete	-	41	3141-0096	Spring Guide	2
14	3161-0524	Cylinder	1	42	3141-0097	Pressure Spring	2
15	0291-1114	Nylock Nut	2	43	0663-2132	O Ring	2
16	3115-0122	Exhaust Guard	1	44	3141-0098	Plug	2
17	3161-0468	Stud	2	45	3121-0477	Gasket	1
-	3141-0087-80	Cover Complete	-	46	3141-0070	Side Bolt	2
18	3141-0087	Cover	1	47	3141-0224	Nut Top- Side Bolt	2
19	3141-0088	Guide Pin	1	48	3161-0376	Water Flushing Tube	1
20	3161-0333	Main Valve	1	49	3161-0821	Adapter	1
21	3141-0090	Rifle Bar Bearing	1	50	0663-2124	O Ring	1
22	3161-0369	Rifle Bar	1	51	3161-0822	Hose Nipple	1
23	3161-0370	Pawl	8	52	3161-0823	Coupling Nut	1

\* Colour indicates Spare Parts which should always be kept in stock  
Part Numbers of Spare Parts are used for reference only

# SPARE PARTS DIAGRAM



\* Colour indicates Spare Parts which should always be kept in stock



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