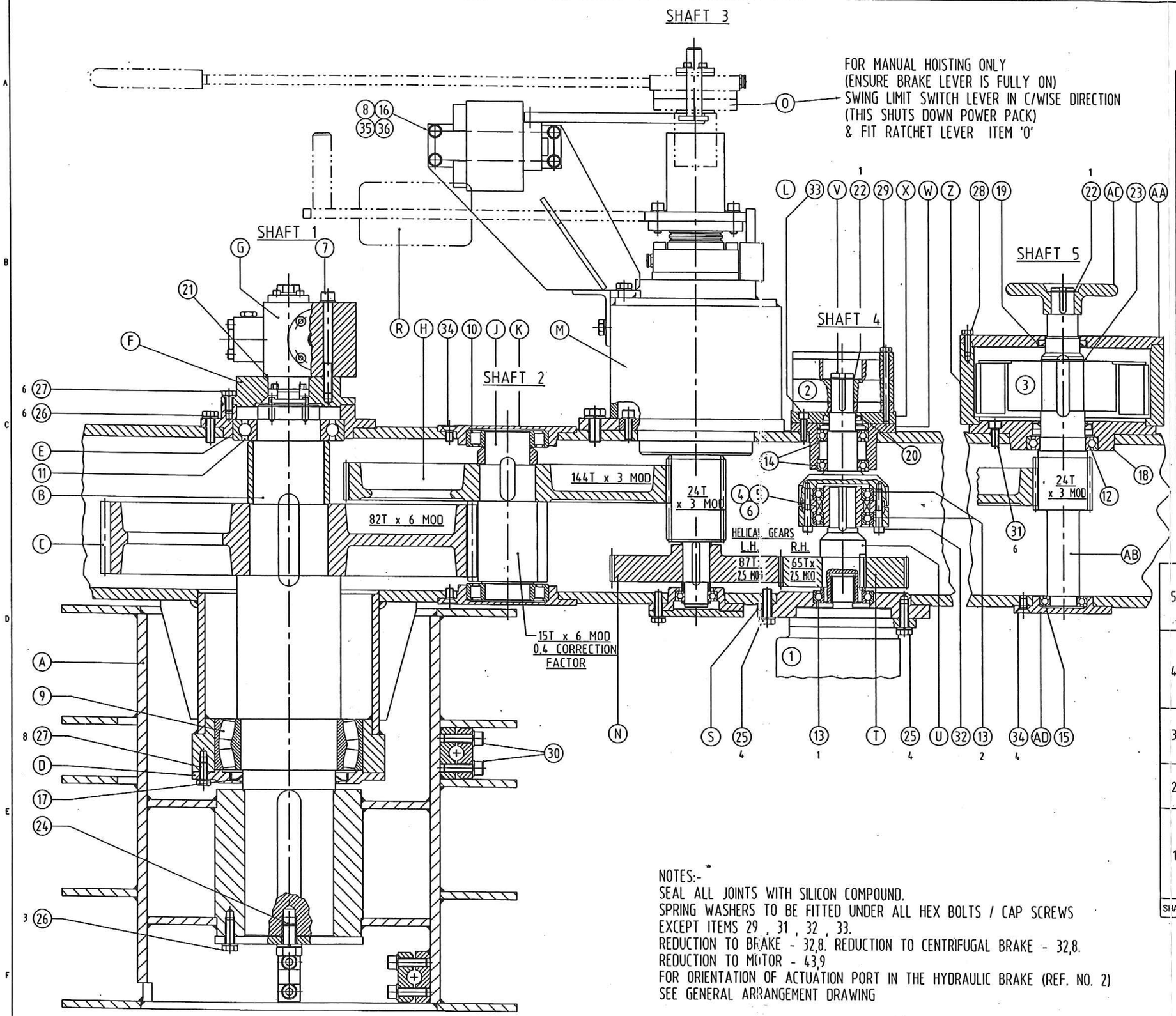

Item no.	Quantity	Description	Material	Remarks and / or Art. no.	Mass

NO. REF.	OFF NO	DESIGNATION PART NO /	DESCRIPTION	REMARKS
1	1	WM 76 A	HYDRAULIC MOTOR	COMMERCIAL
2	1	022 519 23 003	HYDRAULIC BRAKE	ORTLINGHAUS
3	1	BC 25 - ø55	CENTRIFUGAL BRAKE	BROADBENT
4	1	BW167J	INNER RACE - 556035	BORG - WARNER
5	1	BW13167	SPRAG UNIT - 550167	BORG - WARNER
6	1	BW167C	OUTER RACE - 556006	BORG - WARNER
7	1	M12 x 125	SOCKET HEAD CAP SCREW	MIN QUAL 8.8
8	1	560337	LIMIT SWITCH TANDEM N/C	
9	1	24026C	SPHERICAL ROLLER BEARING	
10	2	NJ 212	CYLINDRICAL ROLLER BEARING	
11	1	6217	BALL BEARING	
12	1	6012	BALL BEARING	
13	3	6010	BALL BEARING	
14	2	6008	BALL BEARING	
15	1	6007	BALL BEARING	
16	1	540048	LIMIT SWITCH LEVER	SIGMA
17	1	125 160 12	OIL SEAL	
18	2	58 80 8	OIL SEAL	
19	1	45 65 8	OIL SEAL	
20	2	35 52 7	OIL SEAL	
21	1	R 159	'O' RING	
22	2	ø30	CIRCLIP (EXTERNAL)	
23	1	ø55	CIRCLIP (EXTERNAL)	
24	1	M20 x 35	HEX BOLT	MIN. QUAL. 8.8
25	8	M12 x 40	HEX BOLT	MIN. QUAL. 8.8
26	9	M12 x 35	HEX BOLT	MIN. QUAL. 8.8
27	14	M10 x 25	HEX BOLT	MIN. QUAL. 8.8
28	6	M8 x 25	HEX BOLT	MIN. QUAL. 8.8
29	12	M8 x 95	HEX BOLT	MIN. QUAL. 8.8
30	18	M12 x 40	SOCKET HEAD CAP SCREW	MIN. QUAL. 8.8
31	6	M10 x 25	SOCKET HEAD CAP SCREW	MIN. QUAL. 8.8
32	8	M8 x 50	SOCKET HEAD CAP SCREW	MIN. QUAL. 8.8
33	12	M8 x 30	SOCKET HEAD CAP SCREW	MIN. QUAL. 8.8
34	12	M10 x 20	SOCKET HEAD CSK. SCREW	MIN. QUAL. 8.8
35	4	M10 x 25	SOCKET HEAD CSK. SCREW	MIN. QUAL. 8.8
36	4	M10	NUT	MIN. QUAL. 8.8

SHAFT	REF. NO.	NO OFF	C.A.D. NO	SCHAT-DAVIT NO	DESCRIPTION	REMARKS	UNIT WGT
5	AE						
	AD	1	21314	M 901074	BEARING HOUSING		
	AC	1	21312	M 901293	HANDWHEEL		
	AB	1	21503	S 710551	BRAKE SHAFT & PINION		
	AA	1	21311	M 901292	COVER		
	Z	1	21294	S 710550	BRAKE HOUSING		
4	Y						
	X	1	21310	M 901291	CLUTCH HOUSING		
	W	1	21309	M 901290	BEARING HOUSING		
	V	1	21293	S 710549	SPRAG CLUTCH HSG / SHAFT		
	U	1	21500	M 901289	MOTOR SHAFT		
	T	1	N.D.	M 901287	HELICAL GEAR (R.H.)		
	S	1	21307	M 901072	MOTOR ADAPTOR PLATE		
3	R	1	21282	S 710548	BRAKE LEVER	SEE G.A.	
	P						
	O	1	21044	D 406911	RATCHET LEVER (HAND HOIST)		
	N	1	N.D.	M 901286	HELICAL GEAR (L.H.)		
	M	1	21249	D 407029	BRAKE UNIT ASSY	SEE G.A. FOR HAND	
2	L	1	21483	S 710756	LIMIT SWITCH ARRANGEMENT	SEE G.A. FOR POSN	
	K	2	21074	M 900802	BEARING HOUSING		
	J	1	21305	M 900942	PINION SHAFT		
	H	1	21304	M 901285	INTERMEDIATE GEAR		
1	G	1	20015	D 407775	ROTARY LIMIT VALVE		
	F	1	21505	M 902332	LIMIT VALVE MOUNTING PLATE		
	E	1	21303	M 901065	BEARING HOUSING		
	D	1	21501	M 901284	SEAL HOUSING		
	C	1	21296	M 901109	MAIN GEAR		
	B	1	31148	S 711549	BARREL SHAFT		
	A	1	21497	D 407031	BARREL		

NOTES:-
SEAL ALL JOINTS WITH SILICON COMPOUND.
SPRING WASHERS TO BE FITTED UNDER ALL HEX BOLTS / CAP SCREWS EXCEPT ITEMS 29 , 31 , 32 , 33.
REDUCTION TO BRAKE - 32,8. REDUCTION TO CENTRIFUGAL BRAKE - 32,8.
REDUCTION TO MOTOR - 43,9
FOR ORIENTATION OF ACTUATION PORT IN THE HYDRAULIC BRAKE (REF. NO. 2)
SEE GENERAL ARRANGEMENT DRAWING

Rev.	Description	Date	Checked by	Approved by
B	C.A.D. No. FOR BARREL SHAFT ADDED, HYDRAULIC BRAKE ORIENTATION NOTE ADDED.	16/06/03	APH	RB
A	REDRAWN ON CAD	15/02/01	MER	RB

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schat-harding

Scale 1:2.5

A1 FRAME

SECTIONAL ARRGT OF WINCH TYPE BHY 5300

Date	Name	Checked	Approved	Origin	
10/08/92	RL	RHB	IDM	B	(CAD No. 31111) S711550
Transp. from		Calculation			
21504					

rev. letter B