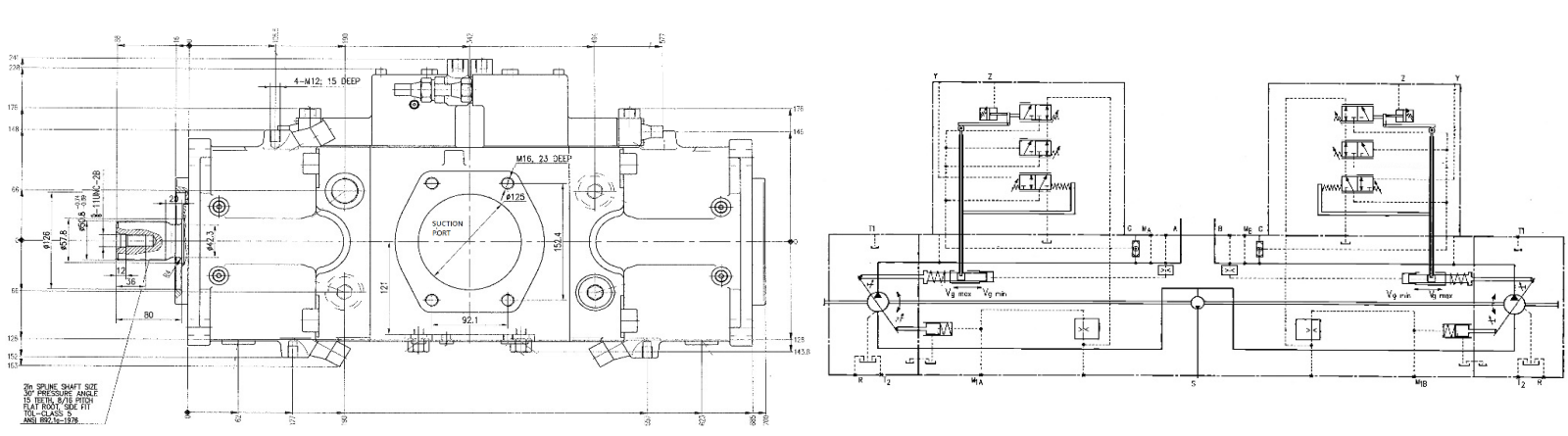
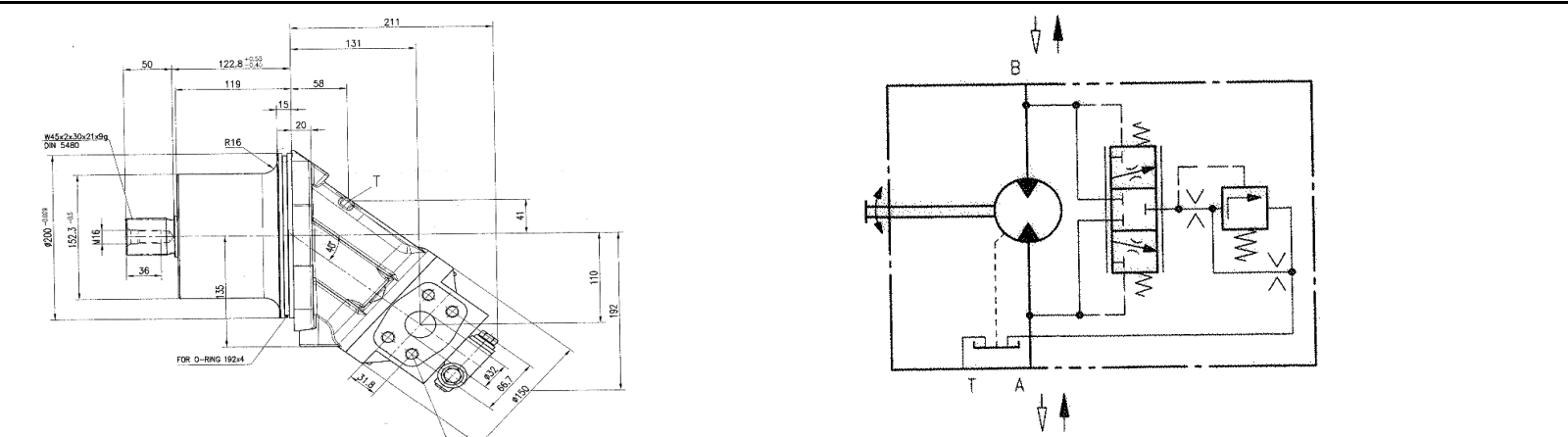
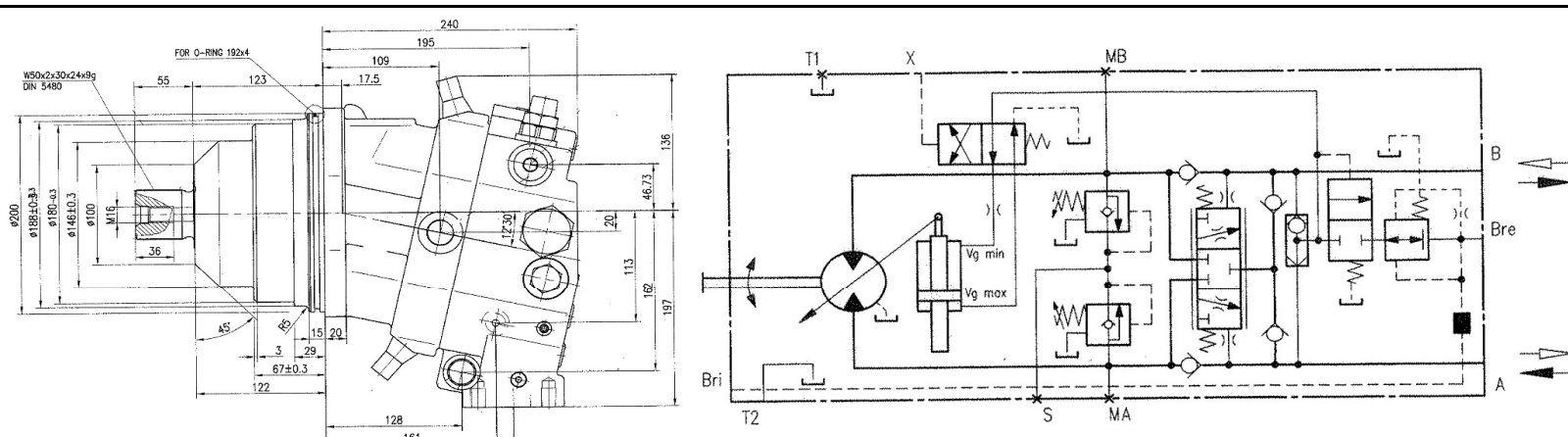
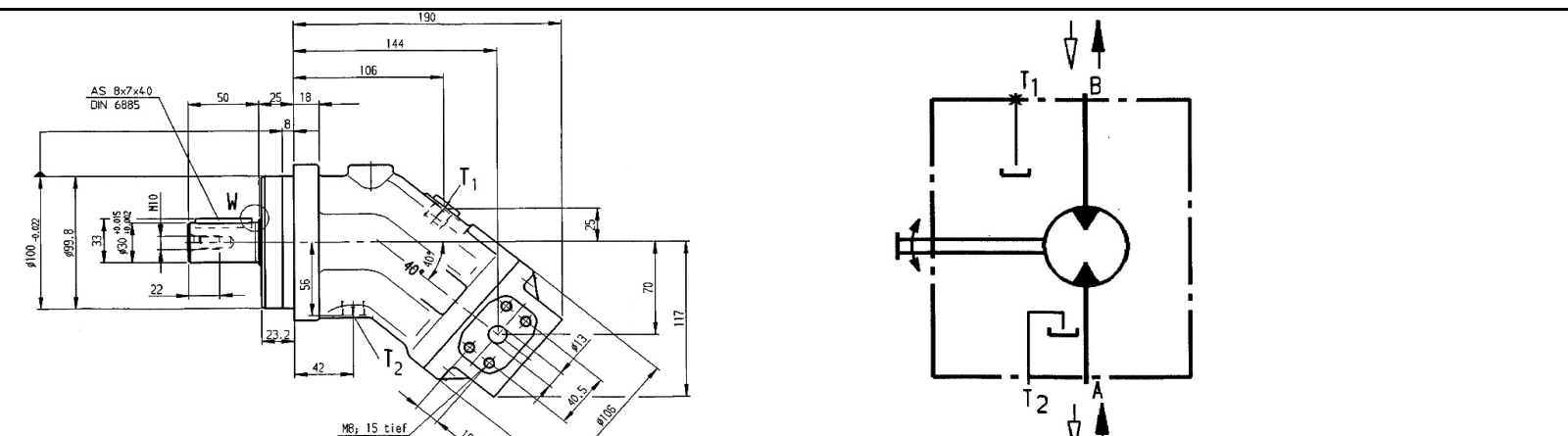
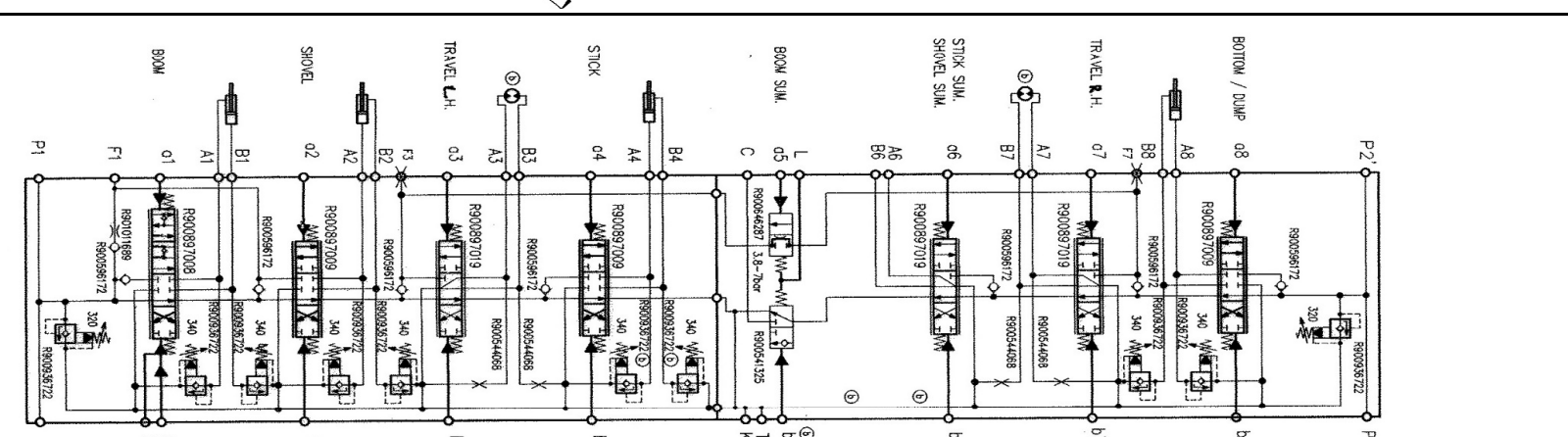
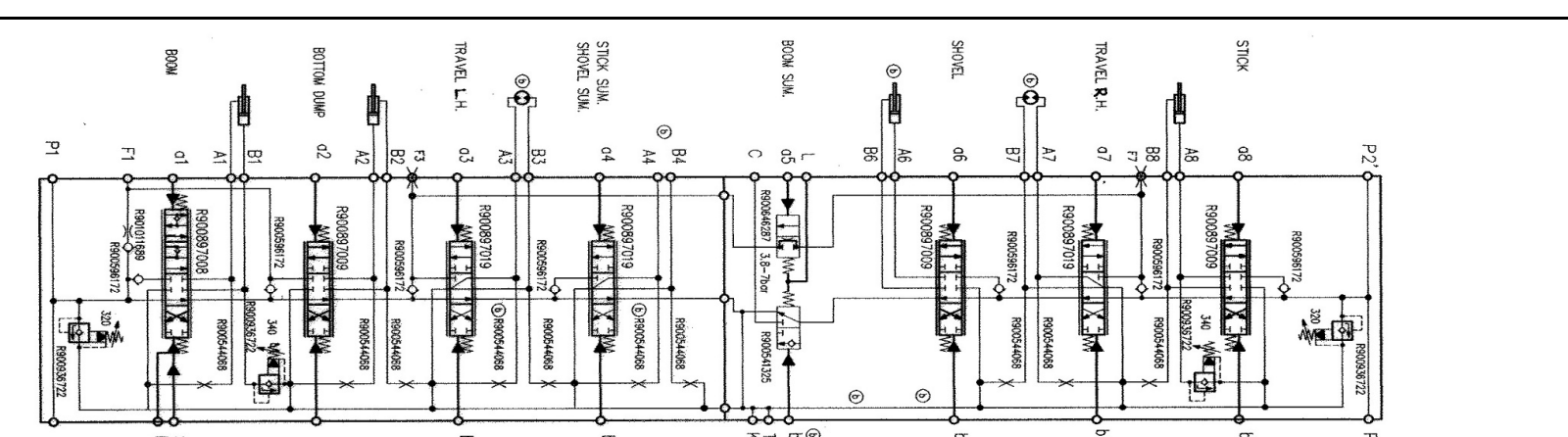
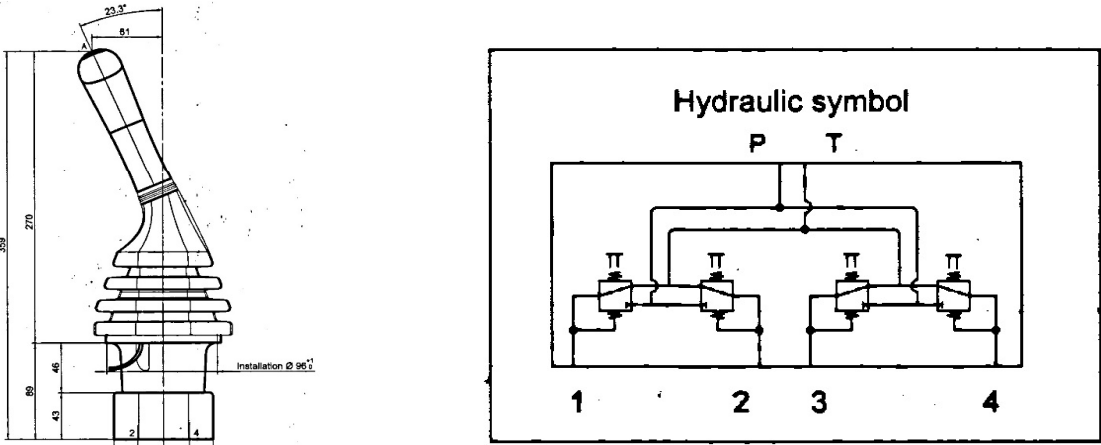
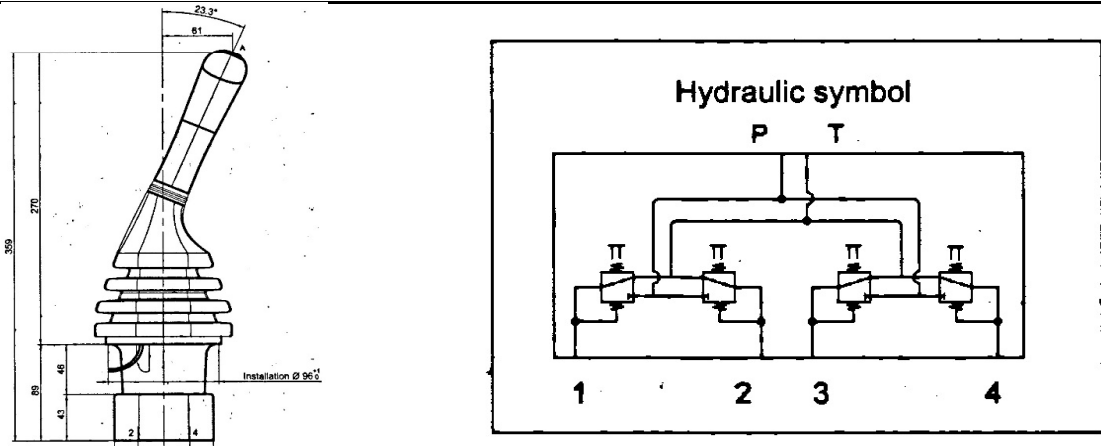
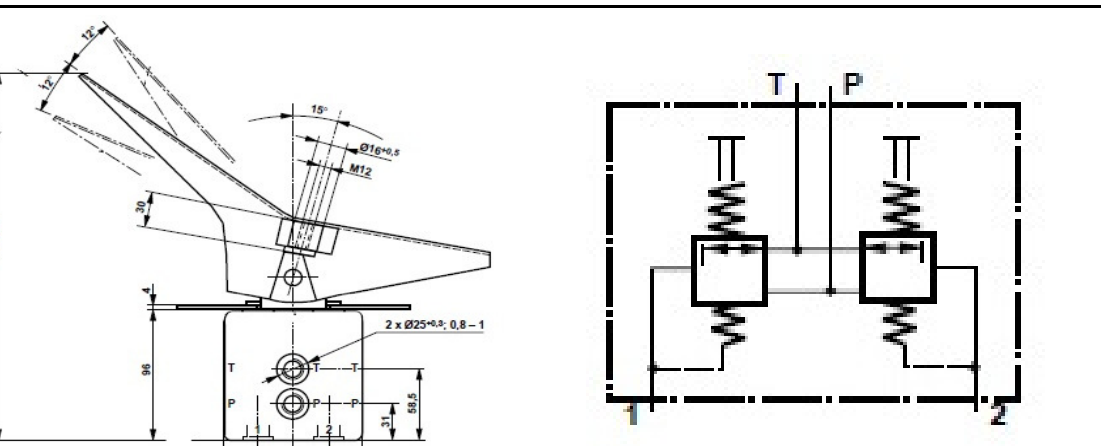
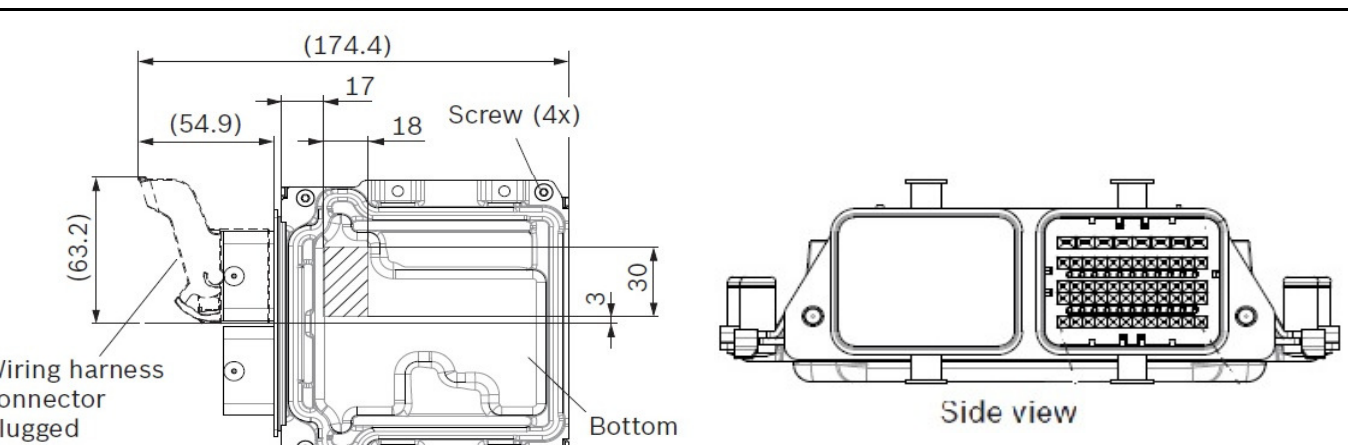
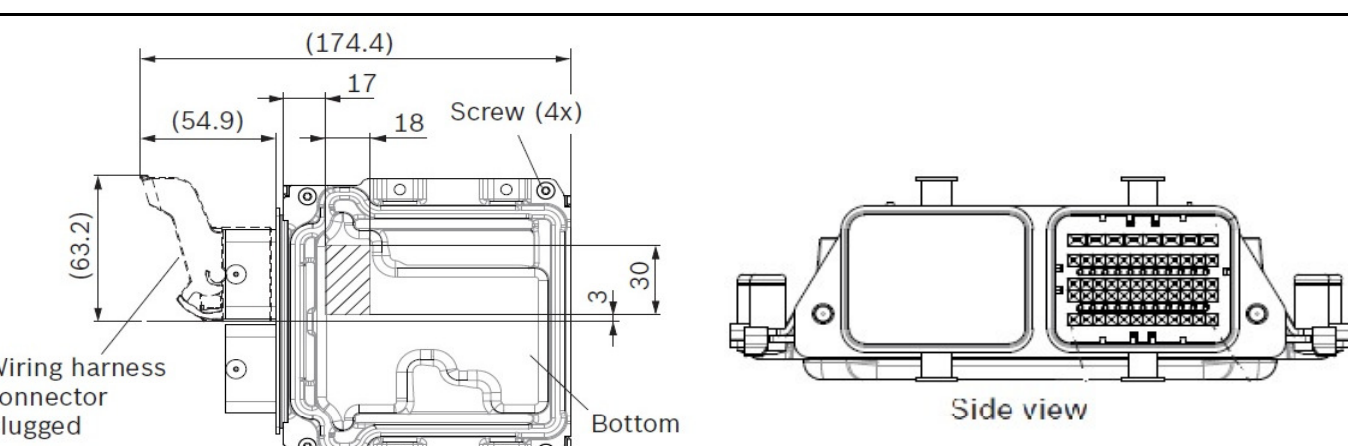



Eol for Hydraulic Components - BE 1000-1

Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
1	Mining	Earth Movers	817HM01027	MAIN PUMP	2		<p><b>Description:</b> Two axial piston variable displacement pumps (tandem), open circuit, swash plate type design.</p> <p>Max. Displacement of each tandem pump - 2 x 190 cc.  Max. flow of each tandem pump at max. rpm - 2x467 l/min.  Max. speed - 2500 rpm.  Max. pressure - 400 bar.  Direction of rotation : CCW viewed from shaft end  Use: Two variable-capacity tandem pumps to power the boom, arm, bucket and travel circuits.</p> <p>Note: The pump shall be supplied along with load limiting control system as a set.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
2	Mining	Earth Movers	817HM01019	SWING MOTOR	2		<p><b>Description:</b> Two fixed displacement plug-in type axial piston motors (bent axis design) with flushing valves for closed loop swing system.</p> <p>Max. Displacement of each motor - 125 cc.  Max. flow of each motor at max. rpm - 500 l/min.  Max. speed of each motor - 4000 rpm.  Max. pressure - up to 450 bar  Direction of rotation : CC &amp; CCW</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
3	Mining	Earth Movers	817HM01002	TRAVEL MOTOR	4		<p><b>Description:</b> Four Variable displacement plug-in motor with a axial tapered piston rotary group of bent axis design for hydrostatic drives, with built-in counter balance valve for overrun protection (Two for each track).</p> <p>Max. Displacement of each motor - 160 cc.  Max. flow of each motor at max. rpm - 469 l/min.  Max. speed of each motor - 4900 rpm.  Max. pressure - up to 450 bar  Direction of rotation : CC &amp; CCW</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
4	Mining	Earth Movers	817HM91254	HOC MOTOR	1		<p><b>Description:</b> Fixed displacement axial piston motor, bent axis design, suitable for hydrostatic drives in open and closed circuits</p> <p>Max. Displacement of motor - 32 cc.  Max. flow at max. rpm - 201 l/min.  Max. speed of motor - 6300 rpm.  Max. pressure - up to 450 bar  Direction of rotation : CC &amp; CCW</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
5	Mining	Earth Movers	817CV01018	CONTROL VALVE (RH)	1		<p><b>Description:</b> 8-axis valve block, pilot operated,in built pressure relief valve, anticavitation valve.  Maximum control pressure:  • pump side - 350 bar  • actuator side - 420 bar  Maximum flow - 2 x 450 l/min</p> <p>Control valve is used for the control of standard functions of boom,arm,buckets,swing of the equipment.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
6	Mining	Earth Movers	817CV01001	CONTROL VALVE (LH)	1		<p><b>Description:</b> 8-axis valve block, pilot operated,in built pressure relief valve, anticavitation valve.  Maximum control pressure:  • pump side - 350 bar  • actuator side - 420 bar  Maximum flow - 2 x 450 l/min</p> <p>Control valve is used for the control of standard functions of boom,arm,buckets,swing of the equipment.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in



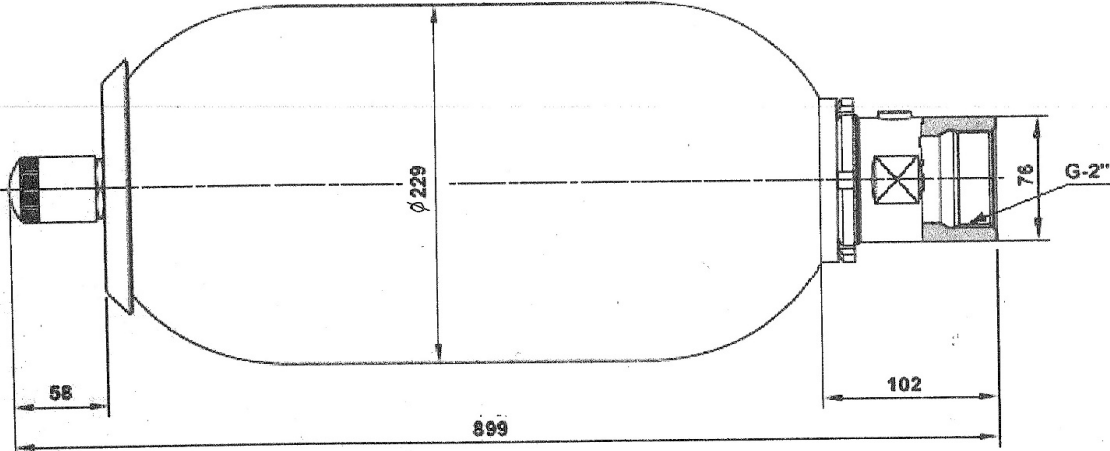
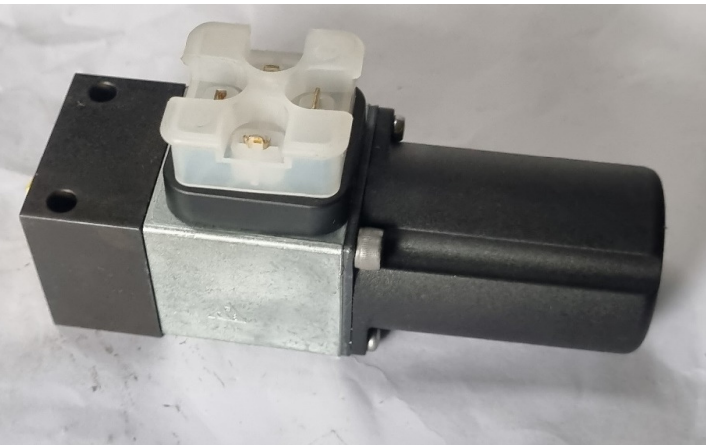


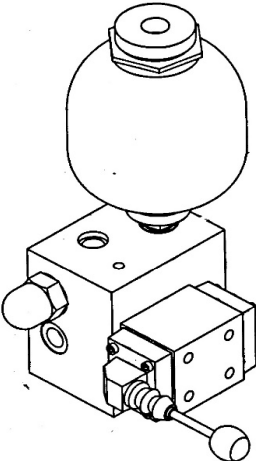
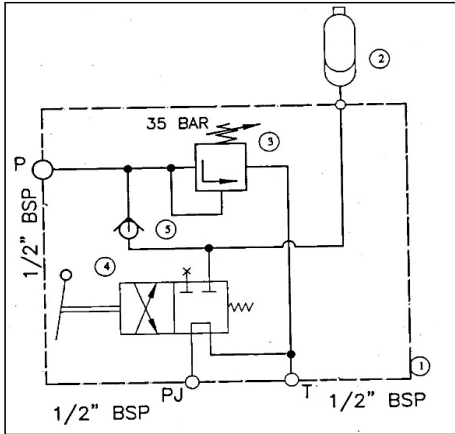


Eol for Hydraulic Components - BE 1000-1

Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
7	Mining	Earth Movers	184PT90019	JOY STICK RH	1		<p><b>Description:</b> Joystick for pilot operation,comprise of a control lever, four control ports, four pressure adjustment valves, micro switch and a housing. Each pressure adjustment valve comprises of a control spool, a control spring, a return spring and a plunger. Used in pilot operation to move spools for desired direction of the hydraulic oil.</p> <p>Inlet pressure - up to 50 bar Back pressure at port T - up to 3 bar Pilot oil flow - up to 16 l/min</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
8	Mining	Earth Movers	184PT90002	JOY STICK LH	1		<p><b>Description:</b> Joystick for pilot operation,comprise of a control lever, four control ports, four pressure adjustment valves, micro switch and a housing. Each pressure adjustment valve comprises of a control spool, a control spring, a return spring and a plunger. Used in pilot operation to move spools for desired direction of the hydraulic oil.</p> <p>Inlet pressure - up to 50 bar Back pressure at port T - up to 3 bar Pilot oil flow - up to 16 l/min</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
9	Mining	Earth Movers	156PM91309	FOOT PEDAL OPERATED PILOT CONTROL	2		<p><b>Description:</b> Consist of foot pedal,two ports,two pressure reducing valves and housing. Each pressure reducing valve comprises control spool, control spring,return spring and plunger.</p> <p>Max. inlet pressure - 50 bar Max. counter pressure in port T - 3 bar Max. pilot oil flow - 16 l/min</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
10	Mining	Earth Movers	817EG02059	R.C.CONTROLLER	1		<p><b>Description:</b> The electronic control units are used for the programmable control of proportional solenoids and additional switching functions. Main features are :-</p> <ul style="list-style-type: none"> <li>- Powerful 16-bit microcontroller module.</li> <li>- Protected watchdog for program run monitoring.</li> <li>-Serial data interface for diagnostics, parameterization and display of process variables.</li> <li>- CAN bus interface.High electromagnetic compatibility (EMC). Inputs and outputs with fault detection.</li> <li>- Safety features such as redundant inputs and central safety cut-off for all outputs.</li> <li>- Pulse-width-modulated (PWM) solenoid currents for minimum hysteresis.Sturdy, sealed aluminum housing.</li> <li>- Watertight with suitable mating connector</li> </ul>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
11	Mining	Earth Movers	817EG80913	FAN DRIVE CONTROLLER	1		<p><b>Description:</b> The electronic control units are used for the programmable control of proportional solenoids and additional switching functions. Main features are :-</p> <ul style="list-style-type: none"> <li>- Powerful 16-bit microcontroller module.</li> <li>- Protected watchdog for program run monitoring.</li> <li>-Serial data interface for diagnostics, parameterization and display of process variables.</li> <li>- CAN bus interface.High electromagnetic compatibility (EMC). Inputs and outputs with fault detection.</li> <li>- Safety features such as redundant inputs and central safety cut-off for all outputs.</li> <li>- Pulse-width-modulated (PWM) solenoid currents for minimum hysteresis.Sturdy, sealed aluminum housing.</li> <li>- Watertight with suitable mating connector</li> </ul>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
12	Mining	Earth Movers	817EG80921	CONNECTOR FOR FAN DRIVE CONTROLLER	1		<p><b>Description:</b> Interfacing connector for fan drive controller.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in



Eol for Hydraulic Components - BE 1000-1

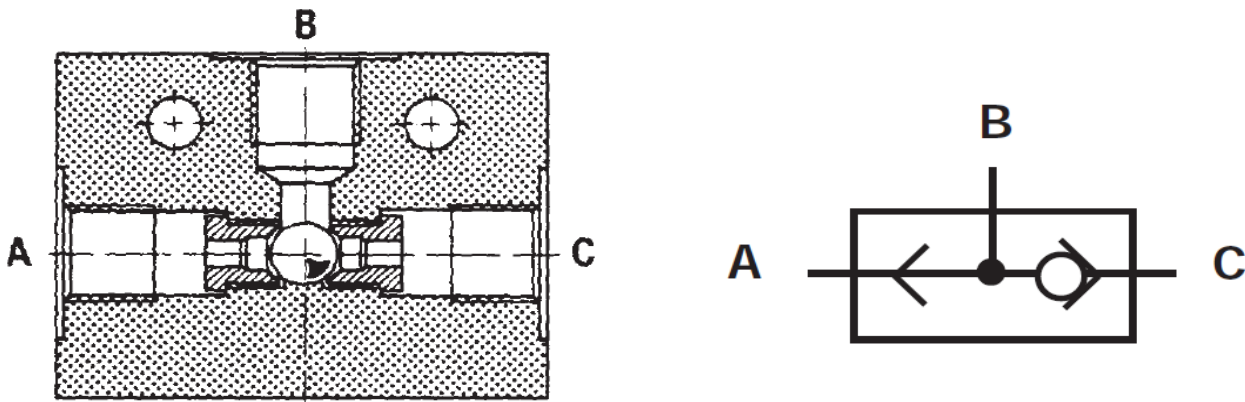
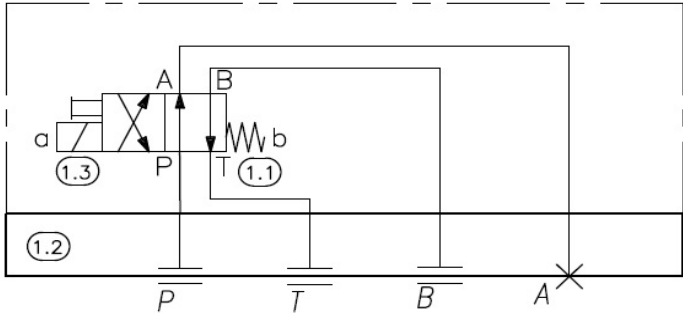
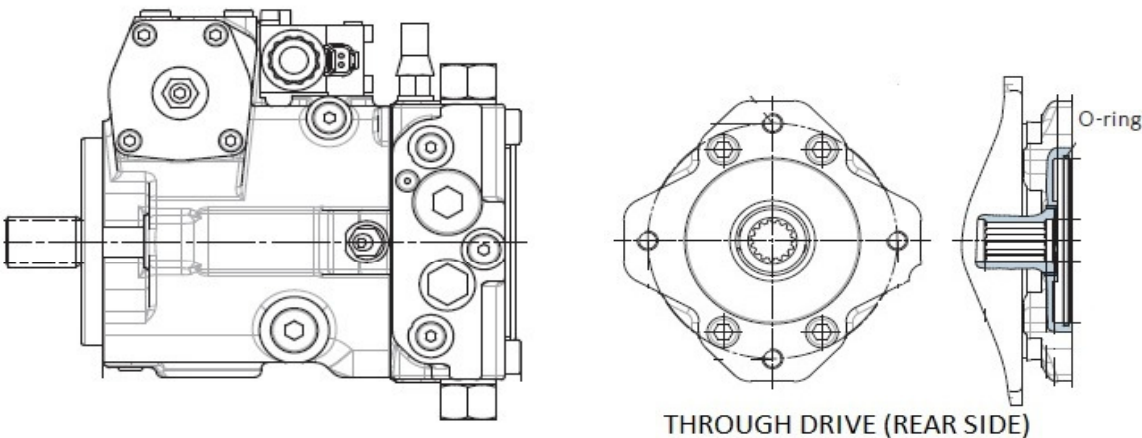
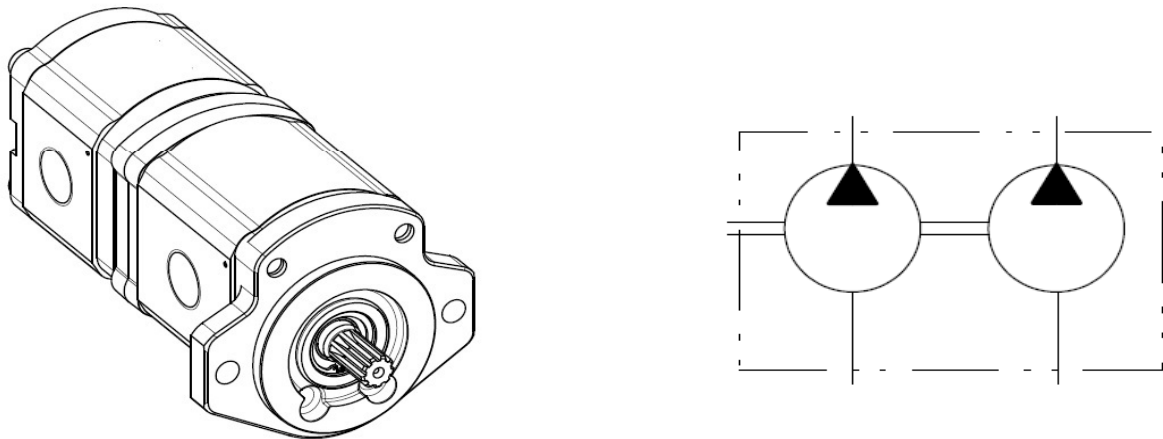
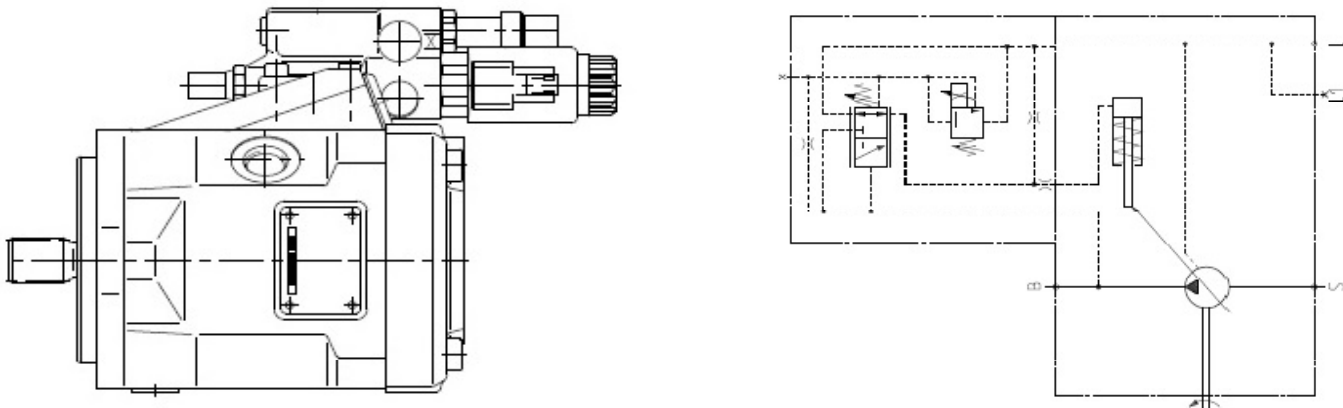
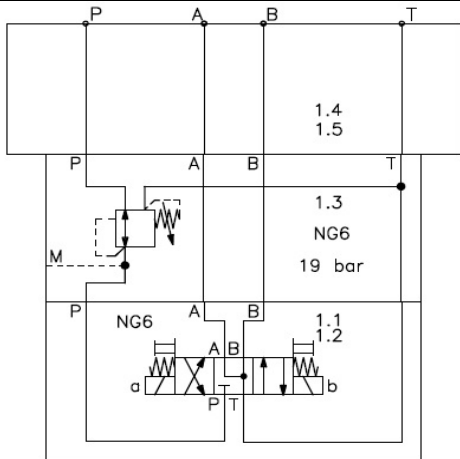
Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
13	Mining	Earth Movers	176EG02053	TEMPERATURE SENSOR FLUID	1		<p><b>Description:</b>The sensor element consists of a nickel-thin-film resistor, vacuummetalized onto a ceramic base, and sealed with epoxy resin.It enables the measurement of fluid temperatures when installed and Its resistance characteristics are virtually linear.</p> <p><b>Use:</b> Monitoring of coolants or oil in equipment.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
14	Mining	Earth Movers	176EG02118	CONNECTOR FOR TEMP. SENSOR	1		<p><b>Description:</b> Interfacing connector for temperature sensor.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
15	Mining	Earth Movers	817HS90055	BLADDER ACCUMULATOR	1		<p><b>Description:</b> Gas volumetric capacity : 20 l Pressure test - 525 kg/sq.cm. N2 gas charging pressure - 135 kg/sq.cm at 20degC. Max. operation pressure - 330 bar. Min. operation pressure - 150 bar. Oil used - SAE30</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
16	Mining	Earth Movers	817CV91359	PRESSURE SWITCH	3		<p><b>Description:</b> It is device that monitors the pressure changes in hydraulic system and opens or closes an electrical circuit when a predetermined pressure is reached.</p> <p><b>Max. pressure - 350 bar</b></p>	 	Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
17	Mining	Earth Movers	817PH92665	MINIMESS COUPLING	10		<p><b>Description:</b> It is type of connection used in hydraulic systems to allow for the safe and easy monitoring of pressure, sampling of fluid, and venting. It typically includes a small, threaded port with a self-sealing mechanism,enabling the insertion of pressure gauges,sampling probes or hoses without requiring system shut down or pressure release.</p> <p><b>Thread size - G 1/4</b></p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
18	Mining	Earth Movers	817CV02103	PILOT MANIFOLD	1		<p><b>Description:</b> Max. flow : 50 l/min Operating pressure : 35 bar . Test pressure : 90 bar. All Port Sizes are : 1/2" BSP Accumulator needs to be mounted directly to the Block. Accumulator needs to be charged to 12 bar.</p>	 	Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in



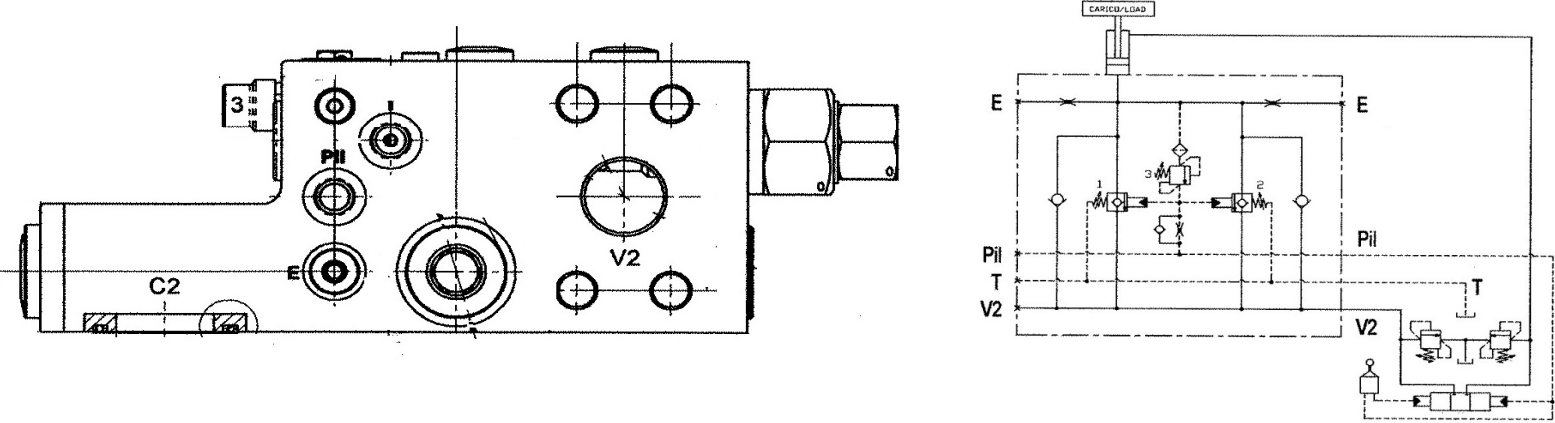
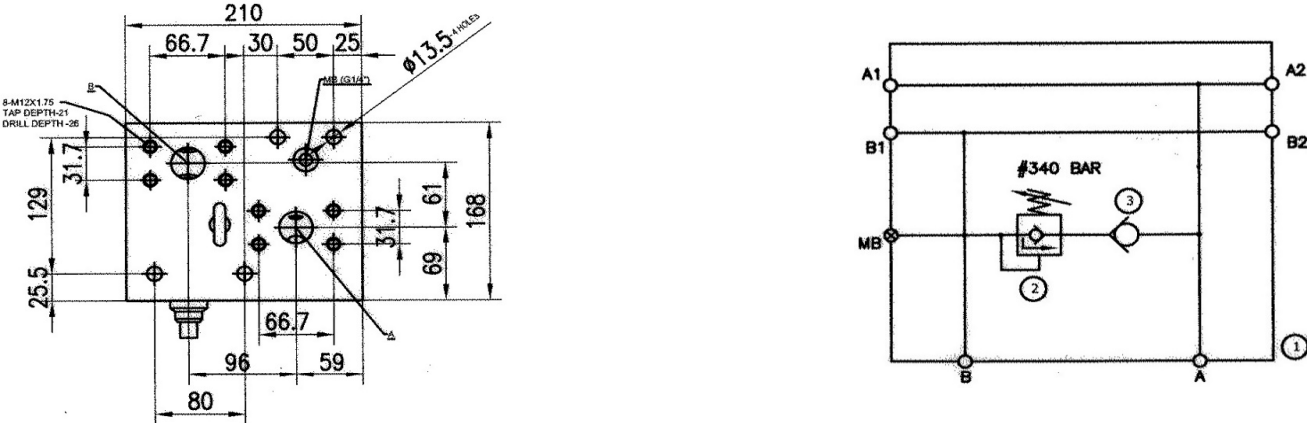
Eol for Hydraulic Components - BE 1000-1

Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
19	Mining	Earth Movers	817PS90101	HIC.M.BLOCK	1		<p><b>Description:</b> Max. flow : 60 l/min Operating pressure : 170 bar . Test pressure : 200 bar.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
20	Mining	Earth Movers	817CV02241	LOGIC BLOCK	1		<p><b>Description:</b> Max. flow : 50 l/min Operating pressure : 45 bar . Test pressure : 90 bar. All Port Sizes are : 1/4" BSP</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
21	Mining	Earth Movers	817CV02225	LOGIC BLOCK,TRL	1		<p><b>Description:</b> Max. flow : 20 l/min Operating pressure : 45 bar . Test pressure : 90 bar. All Port Sizes are : 1/4" BSP P,T&amp;X1 shall be unplugged with 1/4" plugs</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
22	Mining	Earth Movers	817CV02144	LOAD LIMITING VALVE	1		<p><b>Description:</b>This proportional pressure reducing valve controls the pump flow to limit the load on the engine from over loading.Based on the input feedback of engine speed available in CAN and potention meter set position, the RC controller gives output signal to PPRV in electronic mode.DC valve destroys the pump to 50% in fail safe mode when electronic mode is not working. Max. flow : 50 l/min Operating pressure : 35 bar . Test pressure : 90 bar. P,Z&amp; T shall be unplugged with 1/4" BSP (F)</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
23	Mining	Earth Movers	817CV02233	ARM&BKT PRIORITY VALVE	1		<p><b>Description:</b> Max. flow : 45 l/min Operating pressure : 35 bar . Test pressure : 50 bar. All Port Sizes are : 1/4" BSP</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
24	Mining	Earth Movers	817PH07696	RELIEF BLOCK ARM	1		<p><b>Description:</b> Operating pressure : 320 bar . Test pressure : 340 bar.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in

Eol for Hydraulic Components - BE 1000-1

Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
25	Mining	Earth Movers	817CV02088	SHUTTLE VALVE	1		<p><b>Description:</b> It is type of directional control valve that allows fluid flow from two alternate sources to a single output. it functions by selecting the source with the higher pressure and blocking the other. The valve typically consists of a movable element,like ball or spool, that shifts position based on the pressure differential between the two inlets.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
26	Mining	Earth Movers	817CV91472	SWING BRAKE RELEASE	1		<p><b>Description:</b> Max. flow : 30 l/min Operating pressure : 40 bar . Test pressure : 50 bar.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
27	Mining	Earth Movers	817HM91213	SWING PUMP(FOR SPLASH TYPE PTO)	1		<p><b>Description:</b> One axial piston variable displacement pump, closed loop circuit, swash plate type design, two pressure relief valves, with integral auxiliary pump and with through drive. An integral auxiliary pump serve as boost and pilot oil pump. Max. Displacement of pump - 180 cc. Max. flow of pump at max. rpm - 450 l/min. Max. speed - 2500 rpm. Max. pressure - up to 450 bar. Direction of rotation : CCW viewed from shaft end</p> <p>Use: To facilitate the smooth functioning of the swing mechanism in the work equipment.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
28	Mining	Earth Movers	817HM91302	PUMP(PTO AND PILOT FOR SPLASH TYPE PTO)	1		<p><b>Description:</b> Tandem gear pump to power the Pilot (P<sub>1</sub>) &amp; PTO (P<sub>2</sub>) lub circuit.</p> <p>Max. Displacement - 22 cc (P<sub>1</sub>) &amp; 11 cc (P<sub>2</sub>) Max. pressure - 210 bar (P<sub>1</sub>) &amp; 280 bar (P<sub>2</sub>). Max. speed - 2500 rpm. Direction of rotation : CW viewed from shaft end</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
29	Mining	Earth Movers	817HM91295	PUMP(HYD.OIL COOLER FOR SPLASH TYPE PTO)	1		<p><b>Description:</b> It is a piggy back (mounted behind swing pump), variable-capacity piston pump powers Fan drive.</p> <p>Max. Displacement of pump - 28 cc. Max. flow of pump at max. rpm - 69 l/min. Max. speed - 2500 rpm. Max. pressure - up to 450 bar. Direction of rotation : CCW viewed from shaft end</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
30	Mining	Earth Movers	817CV91561	STACK ASSY FOR BOTTOM DUMP	1		<p><b>Description:</b> Max. flow : 30 l/min Op. pressure : 20 bar . Test pressure : 50 bar. All Port Sizes :G 1/4" BSP ZDR6 to be set at 19 bar</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in

Eol for Hydraulic Components - BE 1000-1

Sl. No	Business Group	Division	PART NUMBER	DESCRIPTION	Q / E	Annual approx qty	BRIEF SPECIFICATION	SKETCH	CONTACT NAME	MOBILE NO	E MAIL ID
31	Mining	Earth Movers	817HS90144	HOSE BURST SAFTEY VALVE	2		<p><b>Description:</b>A hose burst valve is a safety valve, designed to prevent uncontrolled descent or movement in the event of hose failure.</p> <p>Max. pressure 550 bar</p> <p>Max. flow 700</p> <p>Valve no.1 setting 7.5 bar 0/+5 bar (cracking pressure) adjustment pressure range 3-15 bar</p> <p>Valve no.2 setting 10.5 bar 0/+5 bar (cracking pressure) adjustment pressure range 3-15 bar</p> <p>Valve no.3 setting 550 bar (Q=5 l/min) adjustment pressure range 350-550 bar</p> <p>Zinc plated steel body.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in
32	Mining	Earth Movers	817PH07671	Relief Block BD.	1		<p><b>Description:</b></p> <p>Operating pressure : 320 bar .</p> <p>Test pressure : 340 bar.</p>		Mr.KANNAN K, DGM, EXCAVATOR, R&D, KGF	+91 9449189135	kannan.k@bemltd.in