

Title: **SUPPLY AND DELIVERY OF
VARIOUS TYPES OF BOLTS,
NUTS AND WASHERS AT
KRIEL POWER STATION ON
AN "AS AND WHEN"
REQUIRED BASIS FOR THE
PERIOD OF 5 YEARS.**

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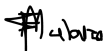
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1. INTRODUCTION

Bolts, nuts, and washers play an essential role in mechanical assembling as well as construction. These components provide structural integrity, stability, and reliability of structures, machinery, and assemblies across various industries.



Figure 1: Fasteners- Bolts, nuts, washers, clips, and screws.

The primary function of bolts is securing two or more components together, providing the required clamping force to hold them in place. They are available in various sizes, lengths, and materials. To ensure optimal performance and durability, bolts are designed to meet specific application requirements, standards, and regulations.

Nuts are threaded fasteners that engage with the bolt's threads to create a secure joint. Acting as a counterpart to the bolt, nuts play a crucial role in distributing the clamping force evenly across the joint, enhancing its stability and preventing loosening over time. Like bolts, they are designed to meet specific application requirements, standards, and regulations.

Washers are often overlooked but are as equally important as bolts and nuts. They are thin, flat discs placed between the bolt head or nut and the surface of the joined components. Their primary function is to distribute the load, reduce friction, and protect the surfaces from damage, ensuring a more secure connection.

Fasteners play an essential role in mechanical and structural assemblies, providing the structural integrity and reliability required to withstand various forces, vibrations, and environmental conditions. It is crucial that they are designed and manufactured for a specific application and that they meet specific requirements to realize their benefits.

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2. SUPPORTING CLAUSES

2.1 SCOPE

This document scope is the supply and delivery of fasteners-bolts, nuts, studs and washer at Kriel Power Station on an as and when required basis for a period of 5 years.

2.1.1 PURPOSE

The purpose of this document is to specify all requirements and activities for the supply and delivery of fasteners .

This document is intended to be the input to the NEC Part 3: Scope of Work.

2.1.2 APPLICABILITY

This document is applicable to Kriel Power Station.

2.2 NORMATIVE/INFORMATIVE REFERENCES

2.2.1 NORMATIVE

- [1] ISO 9000: Quality Management Systems.
- [2] 240-30008949: Safety, Health and Environmental Specifications for Contractors
- [3] 240-55944466: Supplier Contract Quality Requirement's Specification
- [4] QM 58: Supplier Contract Quality Requirements
- [5] SABS 135
- [6] SABS 1143
- [7] SABS 432
- [8] BS 1449
- [9] BS 4360: 1986
- [10] BS 249: 1963

2.2.2 INFORMATIVE

N/A

2.3 DEFINITIONS

N/A

2.3.1 DISCLOSURE CLASSIFICATION

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

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2.4 ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
BRS	Brass
BS	British Standards
BSW	British Standard Whitworth
CU	Copper
EN	European Standards (Euronorm)
HEX	Hexagonal
HTS	High Tensile Strength
IN	Inch
ISO	International Standardisation Organisation
KG	Kilogram
KG/M	Kilogram per Meter
MM	Millimetre
MS	Mild Steel
NEC	New Engineering Contract
NO	Number
SABS	South African Bureau of Standards
SAP	Standard Applications Products
OHSA	Occupational Health and Safety Act
UOM	Unit of Measure
QTY	Quantity

2.5 ROLES AND RESPONSIBILITIES

Roles and responsibilities are as follows:

System Engineer: outlines the scope and requirements for the supply and delivery of fasteners.

Contractor: supplies and delivers the fasters as per the scope of work.

Quality Inspector: conducts quality inspections on delivery of the fasters.

End-User: conducts quality inspections on delivery of the fasters.

Stores Receiver: arranges with Quality Inspector and End-user for quality inspections upon delivery.

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3. THE *WORKS*

The *works* is the supply and delivery of fasteners – bolts, studs, nuts and washer.

3.1 BACKGROUND

Fasteners of various type and sizes are used at Kriel Power Station for mechanical assemblies as well as civil structures. Having fasteners readily available at the station ensures emergency repairs and installations, and safety of employees and machinery. Kriel Power Station intends to place a contract for the supply and delivery of fasteners for the above-mentioned reasons.

3.2 DESCRIPTION OF THE *WORKS*

3.2.1 SUPPLY AND DELIVERY OF FASTENERS

- a) The *contractor* shall examine the material description upon receiving an order. The following will be provided on the order:
 - Material type
 - Size
 - Material of construction and grade
 - Design and manufacturing standard
 - Finishing requirements
 - Quantity and unit of measure
- b) The *contractor* shall procure/manufacture the items on the order.
- c) The *contractor* shall package and label the items to be supplied.
- d) The *contractor* shall transport and deliver the items to Kriel Power Station Stores.
- e) The *contractor* must produce all required documents accompanying the batch.
- f) The contractor, End-User and Quality Inspector shall perform quality inspections to check against the specifications on the order.

3.2.2 QUALITY ASSURANCE

- a) The *contractor* shall ensure all supplied fasteners comply with the specified standards.
- b) The *contractor* shall ensure all deliveries are accompanied by the required documents. (Delivery note)

3.2.3 PACKAGING AND LABELING

- a) The *contractor* shall package the fasteners securely to prevent damage during transit, using appropriate packaging materials that are environmentally friendly where possible.
- b) The *contractor* shall clearly label each package with detailed information, including the type, size, quantity, grade, and material of the fasteners.

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3.2.4 BILL OF QUANTITIES

The Bill of Quantities (BOQ) is presented in the section.

Table 1: Bill of Quantities

SUPPLY AND DELIVERY OF VARIOUS TYPES OF BOLTS, NUTS AND WASHERS AT KRIEL POWER STATION ON AN “AS AND WHEN” REQUIRED BASIS FOR THE PERIOD OF 5 YEARS.				
Item	Material No	Description	UoM	Qty
1	22839	SPRING, COMPRESSION: INSIDE DIAMETER: 250 MM; OUTSIDE DIAMETER: 335 MM; LENGTH: 435 MM; COILS: 6; MATERIAL: STL; SUPPL P/N: 85-56-59; MODEL NO: ASM250F; SPIRAL, FOR SULZER SERVO MOTOR	EA	150
2	34940	SPRING, COMPRESSION: INSIDE DIAMETER: 6 MM; OUTSIDE DIAMETER: 10 MM; LENGTH: 30 MM; COILS: 11; MATERIAL: STL; FOR SPARGO ASH PUMP TYPE:- 300 X 300; FRAME 50; BIN 406-067	EA	150
3	47948	SPRING: TYPE: BELLVILLE; DIMENSIONS: ID 25 X OD 50 X THK 2 MM; MATERIAL: STL; FOR 100PCT PUMP	EA	150
4	73653	SPRING: TYPE: CLUTCH; DIMENSIONS: ID 3 MM; MATERIAL: SPRING STL; REFERENCE NO: 4.3	EA	150
5	109642	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 35 MM; LENGTH: 50 MM; COILS: 7; MATERIAL: STL; POS.11936	EA	150
6	109662	SPRING, COMPRESSION: INSIDE DIAMETER: 59.5 MM; OUTSIDE DIAMETER: 79.5 MM; LENGTH: 52 MM; MATERIAL: STAINLESS STEEL; FIG NO: 24940W; REFERENCE NO: C8326-504; 33161-101; FOR 12 INCH HOPKINSON VALVE	EA	150
7	109673	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 12 MM; LENGTH: 17.5 MM; COILS: 4; MATERIAL: STAINLESS STEEL; REFERENCE NO: C8312-002; DISC FOR 3/4 INCH HOPKINSON VALVE 26428W MATERIAL STEEL 2MM THICK VALVE SIZE: 1-1/4 IN	EA	150
8	109680	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 20 MM; COILS: 3; MATERIAL: STL; SUPPL P/N: 18918-11; SCRAPING EARTH, FOR 3.3KV WHIPP AND BOURNE SWITCHGEAR	EA	150
9	109682	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 17.5 MM; COILS: 3; MATERIAL: STL; HAWKER-SIDDELY CONTACT	EA	150
10	109683	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 16 MM; LENGTH: 21 MM; COILS: 3; MATERIAL: STL; REFERENCE NO: SL100-1; INTERMEDIATE CONTACT, FOR WHIPP AND BOURNE, 3.3KV AIR CIRCUIT BREAKER	EA	150
11	109687	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 23 MM; COILS: 4; MATERIAL: STL; H-SIDLY EARTH SW CONTACT	EA	150

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12	109689	SPRING, COMPRESSION: INSIDE DIAMETER: 6 MM; OUTSIDE DIAMETER: 7 MM; LENGTH: 16 MM; COILS: 5; MATERIAL: STL; SUPPL P/N: 103371; REFERENCE NO: 103371; GUIDE RAIL CATCH, FOR 3.3KV, WHIPPAND BOURNE SWITCHGEAR	EA	150
13	109690	SPRING, COMPRESSION: INSIDE DIAMETER: 16 MM; OUTSIDE DIAMETER: 18 MM; LENGTH: 34 MM; COILS: 5; MATERIAL: STL; H-SIDDLY PUSH TO TRIP	EA	150
14	109697	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 8 MM; LENGTH: 25 MM; COILS: 7; MATERIAL: STL; H-SIDDLY TRIP CATCH	EA	150
15	109698	SPRING, COMPRESSION: INSIDE DIAMETER: 11 MM; OUTSIDE DIAMETER: 13 MM; LENGTH: 46 MM; COILS: 7; MATERIAL: STL; SUPPL P/N: 26576-13; PUSH TO TRIP, ITEM 57, FOR 3.3KV, WHIPP AND BOURNE SWITCHGEAR TYPE AK	EA	150
16	109700	SPRING, COMPRESSION: INSIDE DIAMETER: 15 MM; OUTSIDE DIAMETER: 19 MM; LENGTH: 72 MM; COILS: 7; MATERIAL: STL; SUPPL P/N: 2116002-4; DRAWING NO: 18918 REV 1; REFERENCE NO: 2116002-4; WHIP AND BOURNE SWITCHGEAR, 2MM DIA COIL THICKNESS SCREW JACK NUT SPRING, FOR USE WITH 3.3KV	EA	150
17	109704	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 10 MM; LENGTH: 32 MM; COILS: 10; MATERIAL: STL; H-SIDD TRIP BAR RESET	EA	150
18	109706	SPRING, COMPRESSION: INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 19 MM; LENGTH: 61 MM; COILS: 9; MATERIAL: STL; REFERENCE NO: SL100-6; MOVING CONTACT HINGE, FOR USE ON 3.3KV WHIPP AND BOURNE SWITCHGEAR	EA	150
19	109708	SPRING, COMPRESSION: INSIDE DIAMETER: 11.1 MM; OUTSIDE DIAMETER: 16.5 MM; LENGTH: 66 MM; COILS: 11; MATERIAL: STL; EARTH SWITCH CLUTCH	EA	150
20	109709	SPRING, COMPRESSION: INSIDE DIAMETER: 6 MM; OUTSIDE DIAMETER: 8 MM; LENGTH: 41 MM; COILS: 13; MATERIAL: STL; SUPPL P/N: 26576-14; EARTH LOCK OVER CENTRE, ITEM 58, FOR 3.3KV WHIPP AND BOURNE SWITCHGEAR TYPE AK	EA	150
21	109710	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 11 MM; LENGTH: 50 MM; COILS: 13; MATERIAL: STL; REFERENCE NO: SL100-3; FIXED MAIN CONTACT CEENTRE AND BOTTOM, ITEM 17; FOR 3.3 KV; WHIPP AND BOURNE SWITCHGEAR TYPE AH	EA	150
22	109711	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 82 MM; COILS: 13; MATERIAL: STL; SUPPL P/N: 18918-10; REFERENCE NO: 18918/10; ROUND CROSS SECTION, SIZE:- 2.5MM THICK, FLOOR TO SHOOTING BOLT SPRING REAR, ITEM 32, FOR 3.3KV TYPE AH WHIPP/BOURNE CIRCUIT BREAKER, HAWKER SIDDELEY	EA	150
23	109713	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 12 MM; LENGTH: 51 MM; COILS: 14; MATERIAL: STL; TYPE: EARTH HANDLE	EA	150
24	109714	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 11 MM; LENGTH: 63 MM; COILS: 18; MATERIAL: STL; TYPE: H-SIDD MAIN CONTACT	EA	150

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25	109715	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 16 MM; LENGTH: 102 MM; COILS: 18; MATERIAL: STL; EARTH SWITCH DRIVE	EA	150
26	109717	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 10 MM; LENGTH: 81 MM; COILS: 21; MATERIAL: STL; TYPE: PROP CATCH	EA	150
27	109718	SPRING, COMPRESSION: INSIDE DIAMETER: 11 MM; OUTSIDE DIAMETER: 16 MM; LENGTH: 140 MM; COILS: 26; MATERIAL: STL; SUPPL P/N: 2111013-2; REFERENCE NO: SL100-2; MOVING ARCING CONTACT SPRING, FOR WHIPP AND BOURNE 3.3KV SWITCHGEAR	EA	150
28	109724	SPRING, COMPRESSION: INSIDE DIAMETER: 15 MM; OUTSIDE DIAMETER: 22 MM; LENGTH: 26 MM; COILS: 5; MATERIAL: STAINLESS STEEL; SUPPL P/N: Y30052433; FIG NO: 2199W; FOR 2 INCH HOPKINSONS VALVE	EA	150
29	109740	SPRING, COMPRESSION: INSIDE DIAMETER: 13 MM; OUTSIDE DIAMETER: 17 MM; LENGTH: 23 MM; COILS: 5; MATERIAL: STL; REFERENCE NO: C8315-301; FOR HOPKINSON VALVE 26428W 1.25 IN; 25MM THICK	EA	150
30	109963	SPRING, EXTENSION: OVERALL LENGTH: 20 MM; MATERIAL: STL; ENDS: FULL LOOP CENTER; SIEMENS RECORDER 403; SIZE: 4MM ID	EA	150
31	109964	SPRING, TORSION: OUTSIDE DIAMETER: 10 MM; LEG LENGTH: 10 MM; DEFLECTION ANGLE: 180 DEG; COILS: 2; MATERIAL: STL; WINDING: LH; TORSION S/RECORDER 424	EA	150
32	109972	SPRING, COMPRESSION: INSIDE DIAMETER: 39 MM; OUTSIDE DIAMETER: 51 MM; LENGTH: 110 MM; COILS: 8; MATERIAL: STL; B.P.SPRING; ITEM 27; FOR VARLEY GEAR PUMP 50M5T6R/M04	EA	150
33	109993	SPRING, COMPRESSION: INSIDE DIAMETER: 2 MM; OUTSIDE DIAMETER: 3 MM; LENGTH: 55 MM; COILS: 48; MATERIAL: STL; REFERENCE NO: PK001058; VANE SPRING, FOR BALZER PFEIFFER PUMP UNO 030 A, ITEM 135	EA	150
34	109994	SPRING, COMPRESSION: INSIDE DIAMETER: 105 MM; OUTSIDE DIAMETER: 115 MM; LENGTH: 80 MM; COILS: 3; MATERIAL: STL; MODEL NO: 9151; REFERENCE NO: C8333-001; 25; FOR HOPKINSON ACTUATOR	EA	150
35	110003	SPRING, EXTENSION: OUTSIDE DIAMETER: 8 MM; OVERALL LENGTH: 35 MM; MATERIAL: STL; ENDS: DOUBLE FULL LOOP; DRAWING NO: R 403212 REV 1; BBT R 403212 POS 181 REV 1; MODEL NO: R55; TYPE: TENSION, FOR PRESSURE CONTROLLER, SCHEMATIC POS 1223, 3202 AND 3206	EA	150
36	110010	SPRING, COMPRESSION: INSIDE DIAMETER: 35 MM; OUTSIDE DIAMETER: 41 MM; LENGTH: 65 MM; COILS: 8; MATERIAL: STL; SUPPL P/N: 3-9; MODEL NO: M76342-S5547-H132; REFERENCE NO: 336 355; FOR SIEMENS ACTUATOR	EA	150
37	110099	SPRING, EXTENSION: OUTSIDE DIAMETER: 6 MM; OVERALL LENGTH: 64 MM; MATERIAL: STL; ENDS: FULL LOOP/MACHINE HOOK SIDE; CAM 19	EA	150
38	110170	SPRING, COMPRESSION: INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 13 MM; LENGTH: 25 MM; COILS: 5; MATERIAL: STL; MODEL NO: 7045W00120	EA	150

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39	110171	SPRING, COMPRESSION: INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 23 MM; LENGTH: 40 MM; COILS: 6; MATERIAL: STL; 125 X 40MMID	EA	150
40	110312	SPRING, COMPRESSION: DRAWING NO: R20485/18 REV 1; REFERENCE NO: C8312-002; DISC FOR 20MM HOPKISON PARALLEL SLIDE VALVE 20-M264420WFBC1 VALVE SIZE: 20 MM	EA	150
41	110410	SPRING, EXTENSION: OUTSIDE DIAMETER: 9 MM; OVERALL LENGTH: 16 MM; MATERIAL: STL GALV; ENDS: MACHINE HOOK CENTER; REFERENCE NO: CK4800288; TENSION; FOR TWINFLEX E.M.S. CALIPER UNIT ON NEW BRAKE SYSTEM ON CONVEYOR 6A - 6D	EA	150
42	110413	SPRING: DIMENSIONS: ID 20 X OD 21 X LG 35 MM; MATERIAL: STL; DRAWING NO: BBT R406563 POS 362 REV 1; FOR TEST RELAY ON CONTROL VALVES	EA	150
43	110414	SPRING: DIMENSIONS: ID 10 X OD 14 X LG 40 MM; MATERIAL: STL; DRAWING NO: BBT R 406996 POS 888 REV 1; FOR CONTROL VALVE; SCHEMATIC POS 1218	EA	150
44	110415	SPRING, COMPRESSION: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 41.5 MM; LENGTH: 62 MM; COILS: 6; MATERIAL: STL; DRAWING NO: R 406563 REV 1; BBT R 406563 POS 355 REV 1; FOR TEST RELAY ON CONTROL VALVES	EA	150
45	110419	SPRING: TYPE: ELECTRODE; FOR CREDFELD OIL BURNERS	EA	150
46	110423	SPRING: DIMENSIONS: ID 35 MM; MATERIAL: STL; DRAWING NO: 3B/3BE111/C REV 1; PRESSURE RATING 2800 KPA, FOR RELIEF VALVE USED ON FUEL OIL PRESSURE	EA	150
47	110427	SPRING, COMPRESSION: INSIDE DIAMETER: 26 MM; OUTSIDE DIAMETER: 36 MM; LENGTH: 32 MM; MATERIAL: STAINLESS STEEL; FIG NO: 24940W; REFERENCE NO: 33156-103; FOR HOPKINSON VALVE 5 INCH, USED ON CIRCULATING PUMP LEAK-OFF VALVES	EA	150
48	110430	SPRING: TYPE: COUPLING SET; DIMENSIONS: WD 210 X LG 400 MM; MATERIAL: STL; FOR GRID COUPLING SIZE 5435, SET CONSISTING OF 8 HALVES	EA	150
49	110864	SPRING: DIMENSIONS: ID 14 X OD 19 X LG 26 MM; MATERIAL: STL; REFERENCE NO: PP579; VIAFTNL454; UNLOADER PLUNGER; WITH COMPRESSOR; TYPE XLE; SIZE 14 1/2-9 X 7	EA	150
50	111229	SPRING: TYPE: BRUSH HOLDER; MATERIAL: STL; SUPPL P/N: 36A16433CAG02; FOR GEC KINAMATIC MOTOR MODEL 5C014E10A900014, THE ITEM MUST BE PROTECTED PACKED AND CLEARLY MARKED	EA	150
51	111232	SPRING, COMPRESSION: OUTSIDE DIAMETER: 13 MM; LENGTH: 16 MM; COILS: 4; MATERIAL: STL; N/C 7045B00120	EA	150
52	111236	SPRING, COMPRESSION: INSIDE DIAMETER: 21 MM; OUTSIDE DIAMETER: 31 MM; LENGTH: 28 MM; COILS: 4; MATERIAL: STL; DRAWING NO: 3-7419-342D REV 1; TYPE: GUIDE BAR SPRING, FOR 10.7E MILL	EA	150
53	111238	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 11 MM; LENGTH: 29 MM; COILS: 12; MATERIAL: STAINLESS STEEL; DRAWING NO: HTGD 90155 REV 1; FIG NO: 1; FOR L.P. 1 AND 2 FRONT AND REAR	EA	500

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54	111240	SPRING, COMPRESSION: INSIDE DIAMETER: 14 MM; OUTSIDE DIAMETER: 19 MM; LENGTH: 28 MM; COILS: 7; MATERIAL: STAINLESS STEEL; DRAWING NO: BBT HTGD 90284 POS 9 REV 1; HTGD 90284 REV 1; GLAND SEGMENT SPRING, FOR BOILER FEED PUMP TURBINE, TO BBT	EA	150
55	111241	SPRING, COMPRESSION: INSIDE DIAMETER: 13 MM; OUTSIDE DIAMETER: 17 MM; LENGTH: 75 MM; COILS: 13; MATERIAL: STL; DRAWING NO: X1091PP881 REV 1; TYPE: RELIEF, FOR USE ON INGERSOLL RAND OIL PUMP XLE NL 7 IN STROKE	EA	150
56	111243	SPRING, COMPRESSION: INSIDE DIAMETER: 3.5 MM; OUTSIDE DIAMETER: 4 MM; LENGTH: 19 MM; COILS: 8; MATERIAL: STL; SUPPL P/N: PP398; MODEL NO: XLE 7; METERING PIN SPRING, FOR INGERSOLL RAND COMPRESSOR, INCH STROKE	EA	150
57	111244	SPRING, COMPRESSION: INSIDE DIAMETER: 19 MM; OUTSIDE DIAMETER: 34 MM; LENGTH: 41 MM; MATERIAL: STL; DRAWING NO: PP414 REV 1; PILOT VALVE PRESSURE REGULATOR XLE NL 7 IN STROKE	EA	150
58	111248	SPRING, COMPRESSION: INSIDE DIAMETER: 26 MM; OUTSIDE DIAMETER: 31 MM; LENGTH: 34 MM; MATERIAL: STL; DRAWING NO: PP394 REV 1; PILOT AIR FILTER; REGULATOR; XLE NL 7 IN STROKE	EA	150
59	111249	SPRING: DIMENSIONS: ID 8.5 X OD 15 X LG 31 MM; MATERIAL: STL; SUPPL P/N: PP391; 30417000; UNLOADER PISTON; LP VALVES; FOR COMPRESSOR XLE	EA	150
60	111250	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 10 MM; LENGTH: 115 MM; COILS: 27; MATERIAL: STL; SUPPL P/N: 26576/12; INDICATOR; RESET POSITION; ITEM 56; FOR WHIPP AND BOURNE SWITCHGEAR TYPE AK	EA	150
61	111251	SPRING, TORSION: COILS: 8; MATERIAL: STAINLESS STEEL; HAIRSPRING ASHCROFT 1010	EA	150
62	111255	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 20 MM; LENGTH: 47 MM; COILS: 7; MATERIAL: STAINLESS STEEL; MODEL NO: P37699 81	EA	150
63	111256	SPRING, EXTENSION: OVERALL LENGTH: 11 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; REFERENCE NO: IM5363; FISCH; SIZE: 6MM ID	EA	150
64	111257	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 12 MM; LENGTH: 8 MM; COILS: 1; MATERIAL: STL; MOVING CONTACT 3.3K	EA	150
65	111258	SPRING, COMPRESSION: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 12 MM; LENGTH: 14 MM; COILS: 3; MATERIAL: STL; FIXED ARCING CONTACT D10-5, FOR 3.3KV DR6-50, SACE BUGARMO AIR CIRCUIT BREAKER	EA	150
66	111259	SPRING, COMPRESSION: INSIDE DIAMETER: 9 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 15 MM; COILS: 2; MATERIAL: STL; MODEL NO: D10-50; FIXED MAIN CONTACT FOR 11KV; SACE BUGARMO AIR CIRCUIT BREAKER	EA	150
67	111260	SPRING, TORSION: OUTSIDE DIAMETER: 6 MM; LEG LENGTH: 13 MM; DEFLECTION ANGLE: 90 DEG; COILS: 1; MATERIAL: STL; WINDING: RH; MODEL NO: 1610(16A); REFERENCE NO: 1610-140; FOR PERISTALLIC PUMP	EA	150
68	111261	SPRING: MATERIAL: STL; COUPLING ID FAN	EA	150

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69	111263	SPRING: DIMENSIONS: WD 60 X LG 170 MM; MATERIAL: STL; FOR FALK COUPLING 70T10; ON LP HEATER DRAIN PUMPS	EA	150
70	111265	SPRING, COMPRESSION: INSIDE DIAMETER: 58 MM; OUTSIDE DIAMETER: 73 MM; LENGTH: 260 MM; COILS: 18; MATERIAL: STAINLESS STEEL; DRAWING NO: Z3174 REV 1; ACTUATOR SPRING, FOR SOOTBLOWER ACTUATING DEVICE, AS PER, FOR 13.2M AIRHEATER	EA	150
71	111269	SPRING, COMPRESSION: INSIDE DIAMETER: 5 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 70 MM; COILS: 18; MATERIAL: STAINLESS STEEL; SUPPL P/N:P43588; FOR WALLACE AND TIERNAN CHLORINATOR	EA	150
72	111272	SPRING, COMPRESSION: INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 45 MM; LENGTH: 65 MM; COILS: 4; MATERIAL: STL; MODEL NO: 5729; TYPE: FRONT HEAD	EA	150
73	111273	SPRING: TYPE: BIBBY COUPLING; DIMENSIONS: ID 478 MM; MATERIAL: STL; REFERENCE NO: 478; GRID FOR WELLMAN BIBBY GRID COUPLING 478	EA	150
74	111274	SPRING, EXTENSION: OVERALL LENGTH: 24 MM; MATERIAL: STL; ENDS: FULL LOOP CENTER/MACHINE HOOK CENTER; REFERENCE NO: 101SA264; SOLENOID; 3.3KV; REYROLL AIR CIRCUIT BREAKER; TYPE S14A; SIZE: 6 MM ID	EA	150
75	111275	SPRING, EXTENSION: OVERALL LENGTH: 23 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; REFERENCE NO: 76SA568; ROLLER LATCH RETURN; FOR 3.3KV; REYROLL AIR CIRCUIT BREAKER TYPE S14A; SIZE: 6MM ID	EA	150
76	111276	SPRING, EXTENSION: OVERALL LENGTH: 49 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; REFERENCE NO: 151A63; PLUNGER RETURN; FOR 3.3KV REYROLL AIR CIRCUIT BREAKER; TYPE S14A; SIZE: 12MM ID	EA	150
77	111277	SPRING: TYPE: SERVOMOTOR; MATERIAL: SPRING STL; DRAWING NO: BBT TGR 305551 POS 34 REV 1; REFERENCE NO: 034TGR305551; FOR HP/IP AND LP BYPASS CONTROL VALVE TYPE AVES 315/125	EA	150
78	111278	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 25 MM; COILS: 8; MATERIAL: STL; DRAWING NO: R 405576 REV 1; BBT R 405576 POS 1217 REV 1; MODEL NO: R67 VAR 2; POS 55, FOR PRESSURE CONTROLLER; BBT	EA	150
79	111279	SPRING, COMPRESSION: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 34 MM; LENGTH: 50 MM; COILS: 5; MATERIAL: STL; DRAWING NO: BBT R 405576 POS 55 REV 1; R 405576 REV 1; MODEL NO: R67 VAR 1; FOR PRESSURE CONTROLLER, SCHEMATIC POS 1217	EA	150
80	111280	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 38 MM; LENGTH: 49 MM; COILS: 6; MATERIAL: STL; TURBOGENERATOR	EA	150
81	111281	SPRING, COMPRESSION: INSIDE DIAMETER: 41 MM; OUTSIDE DIAMETER: 46 MM; LENGTH: 100 MM; COILS: 7; MATERIAL: STL; DRAWING NO: BBT HTGR 412190 POS 585 REV 1; HTGR 412190 REV 1; FOR OPERATING DEVICE HYDRAULIC PART, SCHEMATIC POS 1205	EA	150

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82	111282	SPRING, COMPRESSION: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 45 MM; LENGTH: 50 MM; COILS: 6; MATERIAL: STL; DRAWING NO: BBT HTGR 412190 POS 587 REV 1; HTGR 412190 REV 1; FOR OPERATING DEVICE HYDRAULIC PART, SCHEMATIC POS 1205	EA	150
83	111283	SPRING: TYPE: VALVE; DIMENSIONS: ID 40 X OD 58 X LG 80 MM; MATERIAL: STL; DRAWING NO: BBT R 406996 POS 885 REV 1; FOR CONTROL, SCHEMATIC POS 1218	EA	150
84	111284	SPRING, COMPRESSION: INSIDE DIAMETER: 50 MM; OUTSIDE DIAMETER: 72 MM; LENGTH: 200 MM; COILS: 12; MATERIAL: STL; DRAWING NO: BBT R 402776 POS 284 REV 1; R 402776 REV 1; FOR PRESSURE GRADIENT RELAY, SCHEMATIC POS 1220	EA	150
85	111286	SPRING, COMPRESSION: INSIDE DIAMETER: 4 MM; OUTSIDE DIAMETER: 6 MM; LENGTH: 36 MM; COILS: 25; MATERIAL: STL	EA	150
86	111287	SPRING, COMPRESSION: INSIDE DIAMETER: 80 MM; OUTSIDE DIAMETER: 90 MM; LENGTH: 75 MM; COILS: 3; MATERIAL: STL; MODEL NO: 9050; REFERENCE NO: C8328-401; FOR ACTUATOR	EA	150
87	111289	SPRING, COMPRESSION: INSIDE DIAMETER: 46 MM; OUTSIDE DIAMETER: 55 MM; LENGTH: 182 MM; COILS: 12; MATERIAL: STL; DRAWING NO: HOWDEN POWER 4Z3193 REV 1; REFERENCE NO: 4Z3193; AIR HEATER EXPANSION BELLOW WIRE; CETRE 55MM DIAMETER X 182MM LONG X 9MM THICK X 10.5 ACTIVE TURN; WORKING TEMPERATURE 400 DEGREES CELSIUS	EA	150
88	111290	SPRING, COMPRESSION: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 35 MM; LENGTH: 50 MM; COILS: 4; MATERIAL: STL; SUPPL P/N: 055 STM F-PMP	EA	150
89	111291	SPRING, COMPRESSION: INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 24 MM; LENGTH: 62 MM; COILS: 10; MATERIAL: STL; DRAWING NO: R 405576 REV 1; BBT R 405576 POS 1217 REV 1; FOR PRESSURE CONTROLLER R67, SCHEMATIC POS 1217	EA	150
90	111293	SPRING: DIMENSIONS: ID 65 X OD 88 X LG 102 MM; MATERIAL: STL; DRAWING NO: BBT R 401682 POS 15148 REV 1; 40MM VALVE SIZE, FOR WATER INJECTION NW80, ND40 DIA 25; SCHEMATIC POSITION 1331	EA	150
91	111294	SPRING: DIMENSIONS: ID 80 X OD 115 X LG 200 MM; MATERIAL: STL; DRAWING NO: BBT R 404456 POS 148 REV 1; FOR 40MM WATER INJECTION VALVE TO LP BYPASS; TYPE NW100 ND 40 DIA 50; SCHEMATIC POSITION 3310	EA	150
92	111295	SPRING, COMPRESSION: INSIDE DIAMETER: 7 MM; OUTSIDE DIAMETER: 9 MM; LENGTH: 13 MM; COILS: 8; MATERIAL: STAINLESS STEEL; DRAWING NO: HTDG90158Z5 REV 1; FOR COMP IP TURB L/STM CONN	EA	150
93	111297	SPRING, COMPRESSION: INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 24 MM; LENGTH: 50 MM; COILS: 8; MATERIAL: STL; DRAWING NO: BBT R407522 POS 153 REV 1; R407522 REV 1; PILOT RELAY SPRING, FOR POWER ASSISTED CHECK VALVES	EA	150
94	111300	SPRING, COMPRESSION: INSIDE DIAMETER: 120 MM; OUTSIDE DIAMETER: 196 MM; LENGTH: 350 MM; COILS: 7; MATERIAL: STL; COIL THICKNESS 38MM, FOR USE ON 250 MM SEMPELL VALVE	EA	150

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95	111301	SPRING, COMPRESSION: INSIDE DIAMETER: 39 MM; OUTSIDE DIAMETER: 46 MM; LENGTH: 37 MM; COILS: 2; MATERIAL: STL; SUPPL P/N: 4-6; MODEL NO: M76344; REFERENCE NO: 311 255; 306 085; FOR SIEMENS ACTUATORS TYPE M76344 C7336 B317 AND M76344 C7336 B932	EA	150
96	111303	SPRING, EXTENSION: OVERALL LENGTH: 62 MM; MATERIAL: STL; ENDS: FULL LOOP SIDE/MACHINE HOOK CENTER; REFERENCE NO: FMF 1338; PEN ARM SIZE: 3MM DIA	EA	150
97	111304	SPRING: DRAWING NO: 239C.S.SA1253 B77 REV 1; REFERENCE NO: C8315-001; FOR VALVE SIZE 3 INCH ON SOOTBLOWER REHEAT SECTION	EA	150
98	111305	SPRING, COMPRESSION: OUTSIDE DIAMETER: 16 MM; LENGTH: 26 MM; MATERIAL: STL GALV; FIG NO: 21928W; REFERENCE NO: C8314-301; DISC FOR 2 INCH HOPKINSON PARALLEL SLIDE VALVE	EA	150
99	111306	SPRING: MATERIAL: STL; VALVE SIZE 115MM ID, 300/350 RELIEF V/V	EA	150
100	111307	SPRING: DIMENSIONS: OD 110 X LG 150 MM; MATERIAL: STL; 125/200 RELIEF V/V	EA	150
101	111310	SPRING: TYPE: BIBBY COUPLING; MATERIAL: STL; SET FOR COUPLING TYPE:- HLC 290	EA	150
102	111311	SPRING: DIMENSIONS: ID 22.5 X OD 45 X THK 2.5 MM; MATERIAL: STL; DRAWING NO: 0-42092-EBAR, CUP SPRING; FOR 100MM LEAK OFF VALVE REV 1; MODEL NO: DN100 PN 640; PRESSURE RATING 64	EA	150
103	111313	SPRING: DIMENSIONS: ID 43 X OD 60 X LG 64 MM; MATERIAL: STAINLESS STEEL; DRAWING NO: 23928W REV 1; REFERENCE NO: 33157-103; 8 IN VALVE SIZE	EA	150
104	111314	SPRING: TYPE: VALVE; DIMENSIONS: ID 7 X OD 8.5 X LG 16 MM; MATERIAL: STL; REFERENCE NO: 0X0836-3702	EA	150
105	111315	SPRING: TYPE: VALVE; DIMENSIONS: ID 9 X LG 11 MM; MATERIAL: STL; REFERENCE NO: 1J9645-2701	EA	150
106	111316	SPRING: TYPE: VALVE; DIMENSIONS: ID 36 X OD 40 X LG 110 MM; MATERIAL: STL; REFERENCE NO: 21296; AEV71	EA	150
107	111317	SPRING, COMPRESSION: INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 49 MM; COILS:11; MATERIAL: STL; DRAWING NO: BBT R 405576 POS 57 REV 1; FOR PRESSURE CONTROLLER R67; SCHEMATIC POS 1217	EA	150
108	111318	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 31 MM; LENGTH: 39 MM; COILS: 5; MATERIAL: STL; DRAWING NO: HTGD 90228 POS 30 REV 1; HTGD 90228 REV 1; FOR BFPT LUB OIL FILTER, 16 L/SEC	EA	150
109	111319	SPRING, COMPRESSION: INSIDE DIAMETER: 128 MM; OUTSIDE DIAMETER: 148 MM; LENGTH: 255 MM; COILS: 7; MATERIAL: STL; DRAWING NO: HTGD 90228 REV 1; HTGD 90228 POS 30 REV 1; FOR BFPT LUB OIL FILTER; 16 L/SEC	EA	150
110	111320	SPRING, COMPRESSION: INSIDE DIAMETER: 6 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 23 MM; COILS: 7; MATERIAL: STL; SUPPL P/N: 104 125; ISOLATING CONTACT; FOR 3.3KV WHIPP AND BOURNE AIR CIRCUIT BREAKER	EA	150

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111	111321	SPRING, COMPRESSION: INSIDE DIAMETER: 33 MM; OUTSIDE DIAMETER: 48 MM; LENGTH: 64 MM; COILS: 6; MATERIAL: STL; DRAWING NO: BBT - R405227 POS 414 REV 1; LIMIT SWITCH MOUNTING SCHEMATIC POS 7204	EA	150
112	111322	SPRING, EXTENSION: OUTSIDE DIAMETER: 18 MM; OVERALL LENGTH: 35 MM; MATERIAL: STL; DRAWING NO: BBT R405227 POS 414 REV 1; FOR LIMIT SWITCH MOUNTING; SCHEMATIC POSTIONS 7207 TO 7232	EA	150
113	111323	SPRING, COMPRESSION: INSIDE DIAMETER: 164 MM; OUTSIDE DIAMETER: 196 MM; LENGTH: 310 MM; COILS: 7; MATERIAL: STL; DRAWING NO: BBT HTGD 90228 POS 5766 REV 1; BBT HTGD 90228 POS 5765REV 1; BBT HTGD 90228 POS 29 REV 1; FOR MAIN TURBINE LUB OIL FILTER 25 L/S SCHEMATIC	EA	150
114	111324	SPRING, COMPRESSION: INSIDE DIAMETER: 125 MM; OUTSIDE DIAMETER: 155 MM; LENGTH: 215 MM; COILS: 9; MATERIAL: STL; DRAWING NO: BBT HTGD 90228 POS 30 REV 1; HTGD 90228 REV 1; FOR MAIN TURBINE LUB OIL FILTER, 25 L/S, SCHEMATIC POS 5765/5766	EA	150
115	111325	SPRING: DRAWING NO: BBT R404072 POS 463 REV 1; REFERENCE NO: RVV10 1301; RV1010; 160MM VALVE SIZE, FOR FEED PUMP TURBINE STEAM REDUCING VALVE DIA 160 SERVO	EA	150
116	111326	SPRING, COMPRESSION: INSIDE DIAMETER: 60 MM; OUTSIDE DIAMETER: 210 MM; LENGTH: 505 MM; COILS: 12; MATERIAL: STL; BFPT MAIN STOP VALVE P704 R408713	EA	150
117	111327	SPRING, COMPRESSION: INSIDE DIAMETER: 100 MM; OUTSIDE DIAMETER: 140 MM; LENGTH: 490 MM; COILS: 15; MATERIAL: STL; MODEL NO: P705 R408713; BFPT MAIN STOP VALVE	EA	150
118	111330	SPRING, TORSION: OUTSIDE DIAMETER: 38 MM; LEG LENGTH: 50 MM; COILS: 5; MATERIAL: STL; WINDING: LH; DRAWING NO: BBT R 402776 POS 292,298/299 REV 1; NUT AND BOLT ASSEMBLY; FOR PRESSURE GRADIENT RELAY; SCHEMATIC POS 1220	EA	150
119	111331	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 34 MM; LENGTH: 80 MM; COILS: 9; MATERIAL: STL; DRAWING NO: BBT R401665 VACUUM BREAKER, SCHEMATIC POS 2237 POS 94 REV 1; R401665 REV 1; USED ON RELAY FOR	EA	150
120	111332	SPRING, COMPRESSION: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 36 MM; LENGTH: 50 MM; COILS: 5; MATERIAL: STL; DRAWING NO: BBT R 401665 POS 120 REV 1; R 401665 REV 1; USED ON RELAY FOR VACUUM BREAKER, SCHEMATIC POSITION 2237	EA	150
121	111333	SPRING, COMPRESSION: INSIDE DIAMETER: 16 MM; OUTSIDE DIAMETER: 20 MM; LENGTH: 40 MM; COILS: 8; MATERIAL: STL; DRAWING NO: BBT R 401665 POS 116 REV 1; USED ON RELAY FOR VACUUM BREAKER; SCHEMATIC POSITION 2237	EA	150
122	111334	SPRING, COMPRESSION: INSIDE DIAMETER: 16 MM; OUTSIDE DIAMETER: 25 MM; LENGTH: 54 MM; COILS: 6; MATERIAL: STL; DRAWING NO: BBT R 401665 POS 2237 REV 1; R 401665 REV 1; POS 112, USED ON RELAY FOR VACUUM BREAKER; BBT	EA	150

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123	111335	SPRING, COMPRESSION: INSIDE DIAMETER: 22 MM; OUTSIDE DIAMETER: 31 MM; LENGTH: 30 MM; COILS: 4; MATERIAL: STL; DRAWING NO: R 401665 REV 1; BBT R 401665 POS 104 REV 1; USED ON RELAY FOR VACUUM BREAKER, SCHEMATIC POS 2237	EA	150
124	111336	SPRING: TYPE: SERVOMOTOR; MATERIAL: SPRING STL; DRAWING NO: BBT TGR 305551 POS 31 REV 1; REFERENCE NO: 031TGR305551; FOR HP/IP AND LP BYPASS CONTROL VALVE, TYPE AVES 315/125	EA	150
125	111337	SPRING, COMPRESSION: INSIDE DIAMETER: 31 MM; OUTSIDE DIAMETER: 41 MM; LENGTH: 65 MM; COILS: 7; MATERIAL: STL; DRAWING NO: BBT R 406805 POS 1331 REV 1; R 406805 REV 1; FOR CONTROL RELAY TO WATER INJECTION VALVE; BBT; POS 200	EA	150
126	111338	SPRING, EXTENSION: OUTSIDE DIAMETER: 25 MM; OVERALL LENGTH: 120 MM; MATERIAL: STL; REFERENCE NO: 17390; TURBINE	EA	150
127	111339	SPRING, COMPRESSION: INSIDE DIAMETER: 22 MM; OUTSIDE DIAMETER: 34 MM; LENGTH: 90 MM; COILS: 9; MATERIAL: STAINLESS STEEL; DRAWING NO: 407999 REV 1; 407999 POS 2207 REV 1; POS 648, FOR SAFETY RELAY	EA	150
128	111342	SPRING: DIMENSIONS: ID 32 X OD 44 X LG 100 MM; MATERIAL: STL; DRAWING NO: BBT R 407997 POS 731 REV 1; FOR TEST VALVE; SCHEMATIC POSITION 4203	EA	150
129	111343	SPRING, COMPRESSION: INSIDE DIAMETER: 13 MM; OUTSIDE DIAMETER: 16 MM; LENGTH: 50 MM; COILS: 12; MATERIAL: STL; DRAWING NO: BBT HTGR 305950 POS 564 REV 1; FOR SPEED GOVERNOR 1201; ON MAIN AND BFP TURBINES	EA	150
130	111344	SPRING: TYPE: GUIDE; DIMENSIONS: OD 64 MM; MATERIAL: STL; DRAWING NO: BBT R 403630 POS 142 REV 1; FOR OVERSPEED TRIP 110,112 PCT SCHEMATIC POS 2201 AND 2203	EA	150
131	111345	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 31 MM; LENGTH: 39 MM; COILS: 6; MATERIAL: STL; DRAWING NO: R 303788 POS 2245 REV 1; R 303788 REV 1; R 303788 POS 2205 REV 1; POS 648, FOR VACUUM TRIP	EA	150
132	111346	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 30 MM; LENGTH: 50 MM; COILS: 7; MATERIAL: STL; DRAWING NO: R 303788 POS 2205 REV 1; R 303788 REV 1; R 303788 POS 2245 REV 1; FOR VACUUM TRIP, SCHEMATIC POSITION 2205 AND 2245	EA	150
133	111347	SPRING, COMPRESSION: INSIDE DIAMETER: 10 MM; OUTSIDE DIAMETER: 15 MM; LENGTH: 25 MM; COILS: 7; MATERIAL: STL; DRAWING NO: BBT R 303788 POS 664 REV 1; R 303788 REV 1; FOR VACUUM TRIP, SCHEMATIC POSITION 2205 AND 2245	EA	150
134	111348	SPRING, TORSION: OUTSIDE DIAMETER: 38 MM; LEG LENGTH: 25 MM; DEFLECTION ANGLE: 90 DEG; COILS: 5; MATERIAL: STL; WINDING: RH; DRAWING NO: BBT HTGR 102866 POS 574 REV 1; FOR TRIPPING AND RESET DEVICE TO 2201/2203; SCHEMATIC POSITION 2221 AND 2223	EA	150

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135	111349	SPRING, COMPRESSION: INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 24 MM; LENGTH: 82 MM; COILS: 13; MATERIAL: STL; DRAWING NO: HTGR 102866 POS 582 REV 1; HTGR 102866 REV 1; FOR TRIPPING AND RESET DEVICE TO 2201/2203, SCHEMATIC POSITION 2221 AND 2223	EA	150
136	111351	SPRING, COMPRESSION: INSIDE DIAMETER: 40 MM; OUTSIDE DIAMETER: 50 MM; LENGTH: 126 MM; MATERIAL: STL; DRAWING NO: BBT R 410497 POS 444 REV 1; FOR FIRE PROTECTION VALVE; SCHEMATIC POSITION 5290	EA	150
137	111352	SPRING: MATERIAL: SPRING STL; DRAWING NO: BBT R404072 POS 409 REV 1; REFERENCE NO: 409R404072D200; FOR FEED PUMP TURBINE CONTROL VALVES A-B VIII DIA 200; SERVO VVII 1341	EA	150
138	111353	SPRING: DIMENSIONS: ID 90 X OD 120 X LG 300 MM; MATERIAL: STL; DRAWING NO: BBT R404072 POS 463 REV 1; REFERENCE NO: 1341; FOR FEED PUMP TURBINE CONTROL VALVES A-B VIII DIA 200 SERVO VVII	EA	150
139	111354	SPRING, COMPRESSION: INSIDE DIAMETER: 145 MM; OUTSIDE DIAMETER: 190 MM; LENGTH: 245 MM; MATERIAL: STL; DRAWING NO: BBT R404072 POS 409 REV 1; ZK3 FOR FEED PUMP TURBINE STEAM REDUCING VALVE RV1010 DIA 160 SERVO RV10 1301	EA	150
140	111357	SPRING, COMPRESSION: INSIDE DIAMETER: 40 MM; OUTSIDE DIAMETER: 58 MM; LENGTH: 125 MM; COILS: 10; MATERIAL: STL; DRAWING NO: POS R 303790 REV 1; R 303790 REV 1; MODEL NO: R55; 40FOR PRESSURE CONTROLLER HYDRAULIC PART,SCHEMATIC POSITION 1223.3202 AND 3206	EA	150
141	111358	SPRING, COMPRESSION: INSIDE DIAMETER: 63 MM; OUTSIDE DIAMETER: 79 MM; LENGTH: 105 MM; COILS: 6; MATERIAL: STL; DRAWING NO: R 303790 REV 1; R 303790 POS 676 REV 1; MODEL NO: R55; FOR PRESSURE CONTROLLER, HYDRAULIC PART, SCHEMATIC POS 1223,3202 AND 3206	EA	150
142	111359	SPRING, COMPRESSION: INSIDE DIAMETER: 80 MM; OUTSIDE DIAMETER: 102 MM; LENGTH: 132 MM; COILS: 7; MATERIAL: STL; DRAWING NO: BBT HTGR 90558 POS 804 REV 1; FOR IP AND LP BYPASS STOP VALVE SERVOMOTOR 2311-2314 AND 3305-3306 TYPE:- HAJ5 250	EA	150
143	111360	SPRING, EXTENSION: OVERALL LENGTH: 9 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; CENTER 58 -SERVO V/V; SIZE: 5MM ID	EA	150
144	111361	SPRING, TORSION: OUTSIDE DIAMETER: 35 MM; COILS: 2; MATERIAL: STL; WINDING: LH; LEVER RETURN 11 ACTUAT	EA	150
145	111362	SPRING, COMPRESSION: INSIDE DIAMETER: 35 MM; OUTSIDE DIAMETER: 46 MM; LENGTH: 58 MM; COILS: 3; MATERIAL: STL; CLUTCH 30 ACT. 11AD	EA	150
146	111363	SPRING, COMPRESSION: INSIDE DIAMETER: 59 MM; OUTSIDE DIAMETER: 73 MM; LENGTH: 93 MM; COILS: 3; MATERIAL: STL; FIG NO: 25 ACT 14A GMY; TYPE: CLUTCH	EA	150
147	111364	SPRING, TORSION: OUTSIDE DIAMETER: 35 MM; LEG LENGTH: 50 MM; DEFLECTION ANGLE: 180 DEG; COILS: 4; MATERIAL: STL; WINDING: RH; REFERENCE NO: 89; CAM RETURN 89 ACT 14A	EA	150

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148	111365	SPRING, TORSION: OUTSIDE DIAMETER: 18 MM; LEG LENGTH: 10 MM; DEFLECTION ANGLE: 270 DEG; COILS: 3; MATERIAL: STL; WINDING: RH; FINGER RETURN 14 ACTR	EA	150
149	111366	SPRING, COMPRESSION: INSIDE DIAMETER: 80 MM; OUTSIDE DIAMETER: 86 MM; LENGTH: 225 MM; COILS: 7; MATERIAL: STL; CLUTCH 25 ACTUATOR 30A	EA	150
150	111367	SPRING, EXTENSION: OUTSIDE DIAMETER: 14 MM; OVERALL LENGTH: 30 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; CAM RETURN 89 ACT 30A	EA	150
151	111368	SPRING: DIMENSIONS: ID 13 X OD 19 X LG 27 MM; MATERIAL: STAINLESS STEEL; FIG NO: 2199W; REFERENCE NO: C8315-301; DISC FOR 32MM PARALLEL SLIDE VALVE 1-1/4 IN	EA	150
152	111369	SPRING, COMPRESSION: INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 25 MM; COILS: 4; MATERIAL: STL; DRAWING NO: HTGD 90228 REV 1; BBT HTGD 90228 POS 15 REV 1; FOR FEED PUMP TURBINE LUB OIL FILTER, 16 LITERS PER SECOND	EA	150
153	111370	SPRING, COMPRESSION: INSIDE DIAMETER: 100 MM; OUTSIDE DIAMETER: 116 MM; LENGTH: 245 MM; COILS: 6; MATERIAL: STL; ITEM 29 OIL FILTER	EA	150
154	111371	SPRING, COMPRESSION: INSIDE DIAMETER: 125 MM; OUTSIDE DIAMETER: 145 MM; LENGTH: 250 MM; COILS: 5; MATERIAL: STL; ITEM 30 OIL FILTER	EA	150
155	111372	SPRING, COMPRESSION: INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 14 MM; LENGTH: 26 MM; COILS: 4; MATERIAL: STL; DRAWING NO: HTGD 90228 REV 1; BBT HTGD 90228 POS 15 REV 1; POS 15 FOR MAIN TURBINE LUB OIL FILTER, 25 LITERS PER SECOND; TYPE BBT	EA	150
156	111373	SPRING, COMPRESSION: INSIDE DIAMETER: 160 MM; OUTSIDE DIAMETER: 190 MM; LENGTH: 350 MM; COILS: 5; MATERIAL: STL; ITEM 29	EA	150
157	111374	SPRING, COMPRESSION: INSIDE DIAMETER: 128 MM; OUTSIDE DIAMETER: 156 MM; LENGTH: 320 MM; COILS: 9; MATERIAL: STL; ITEM 30, FOR OIL FILTER	EA	150
158	111376	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 36 MM; LENGTH: 50 MM; COILS: 6; MATERIAL: STL; DRAWING NO: R 304508 POS 708 REV 1; R 304508 REV 1; FOR MULTIPLICATION RELAY, SCHEMATIC POSITION 1230	EA	150
159	111377	SPRING, COMPRESSION: INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 37 MM; LENGTH: 80 MM; COILS: 10; MATERIAL: STL; DRAWING NO: BBT R 304508 POS 1230 REV 1; R 304508 REV 1; FOR MULTIPLICATION RELAY, SCHEMATIC POS 755, BBT	EA	150
160	111378	SPRING, EXTENSION: OUTSIDE DIAMETER: 11 MM; OVERALL LENGTH: 100 MM; MATERIAL: STL; ENDS: MACHINE HOOK CENTER; DRAWING NO: BBT R 304508 POS 742 REV 1; TENSION FOR MULTIPLICATION RELAY; SCHEMATIC POSITION 1230	EA	150
161	111379	SPRING, EXTENSION: OUTSIDE DIAMETER: 6 MM; OVERALL LENGTH: 26 MM; MATERIAL: STL; ENDS: FULL LOOP CENTER DOUBLE TWISTED; DRAWING NO: BBT R 304508 POS 748 REV 1; TENSION WITH DIP; FOR MULTIPLICATION RELAY; SCHEMATIC POSITION 1230	EA	150

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162	111380	SPRING, COMPRESSION: INSIDE DIAMETER: 40 MM; OUTSIDE DIAMETER: 45 MM; LENGTH: 63 MM; COILS: 5; MATERIAL: STL; DRAWING NO: R 304508 REV 1; BBT R 304508 POS 751 REV 1; FOR MULTIPLICATION RELAY, SCHEMATIC POSITION 1230	EA	150
163	111381	SPRING: DIMENSIONS: ID 25 X OD 35 X LG 50 MM; MATERIAL: STL; DRAWING NO: BBT D 403890 POS 936 REV 1; USED ON SAFETY RELAY PILOT VALVE FOR POWER ASSISTED CHECK VALVE; SCHEMATIC POSITION 2252	EA	150
164	111382	SPRING, COMPRESSION: INSIDE DIAMETER: 62 MM; OUTSIDE DIAMETER: 88 MM; LENGTH: 223 MM; COILS: 11; MATERIAL: STL; MODEL NO: 17632	EA	150
165	137659	SPRING, TORSION: OUTSIDE DIAMETER: 15 MM; LEG LENGTH: 10 MM; DEFLECTION ANGLE: 90 DEG; COILS: 6; MATERIAL: STL; WINDING: RH; REFERENCE NO: 100541; BRUSH ASSEMBLY; FOR 36 TON COLES MOBILE CRANE	EA	150
166	142928	SPRING, COMPRESSION: INSIDE DIAMETER: 9 MM; OUTSIDE DIAMETER: 11 MM; LENGTH: 25 MM; COILS: 8; MATERIAL: STL; MODEL NO: 16344; CONTACT FINGER	EA	150
167	142983	SPRING, COMPRESSION: INSIDE DIAMETER: 9 MM; OUTSIDE DIAMETER: 13 MM; LENGTH: 35 MM; COILS: 7; MATERIAL: STL; FIG NO: 557714; CONTACT HINGE, FOR GEC TYPE T1-OF, 11KV, 90 AMP, OCB	EA	150
168	143003	SPRING, COMPRESSION: INSIDE DIAMETER: 59 MM; OUTSIDE DIAMETER: 75 MM; LENGTH: 68 MM; MATERIAL: STL; REFERENCE NO: C74106-A117C231; ACTUATOR	EA	150
169	143011	SPRING, TORSION: OUTSIDE DIAMETER: 28 MM; LEG LENGTH: 10 MM; COILS: 7; MATERIAL: STL; WINDING: LH; REFERENCE NO: C74106-A119-C34; ACTUATOR	EA	150
170	20525	SCREW, CAP: DIAMETER: M6; LENGTH: 12 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: STL; DRAWING NO: BBT HTGD 90386 POS6 REV 1; BOLT; FOR IP AXIALLY FIXED CASING SUPPORTS	EA	150
171	52079	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 2 IN; THREAD: 16UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: G2E; FLAT POINT	EA	150
172	62752	SCREW, MACHINE: DIAMETER: M6; LENGTH: 16 MM; THREAD: 0.9 MM; HEAD: CSK FLAT SLOTTED; SUPPL P/N: 1J0567-1402; TYPE: BELLOWS	EA	150
173	74114	SCREW, CAP: DIAMETER: M10; LENGTH: 26 MM; THREAD: 1.25 MM; HEAD: SOCKET HEX; MATERIAL: STAINLESS STEEL; REFERENCE NO: 34345-102; RETAINING; FOR HOPKINSONS VALVE SIZE 2-1/2 INCH	EA	150
174	80392	SCREW, MACHINE: DIAMETER: 1BA; LENGTH: 25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: BRASS; SPECIFICATION: BS 57 TABLE 3	EA	150
175	80394	SCREW, MACHINE: DIAMETER: 2BA; LENGTH: 25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: BRASS; SPECIFICATION: BS 57 TABLE 3	EA	2500
176	80397	SCREW, MACHINE: DIAMETER: 4BA; LENGTH: 25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: BRASS; SPECIFICATION: BS 57 TABLE 3	EA	150

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177	80402	SCREW, MACHINE: DIAMETER: 6BA; LENGTH: 25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: BRASS; SPECIFICATION: BS 57 TABLE 3; REFERENCE NO: SCREWMACHBRCSK6BAX25	EA	150
178	80427	SCREW, MACHINE: DIAMETER: 1BA; LENGTH: 50MM; THREAD: 0.9 MM; HEAD: CHEESE SLOTTED; MATERIAL: BRASS; GRADE: C10100; SPECIFICATION: BS 57 TABLE 1	EA	100
179	80429	SCREW, MACHINE: DIAMETER: 2BA; LENGTH: 50 MM; THREAD: 0.81 MM; HEAD: CHEESE SLOTTED; MATERIAL: BRASS; GRADE: C10100; SPECIFICATION: BS 57 TABLE 1; SCREW, MACHINE;DIAMETER 2BA, LENGTH 50 MM, HEAD CHEESE SLOTTED, MATERIAL BRS, SPECIFICATION BS57 TABLE 1~SCREW,MACH;2BA,LG 50 MM,CHEESE SLOTTED	EA	400
180	80431	SCREW, MACHINE: DIAMETER: 3BA; LENGTH: 50 MM; THREAD: 0.73 MM; HEAD: CHEESE SLOTTED; MATERIAL: BRASS; GRADE: C10100; SPECIFICATION: BS 57 TABLE 1	EA	400
181	80452	SCREW, MACHINE: DIAMETER: 3/16 IN; LENGTH: 11/2 IN; THREAD: 24BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; 90 DEG COUNTERSUNK	EA	150
182	80466	SCREW, SELF TAPPING: DIAMETER: 3.5 MM; LENGTH: 12 MM; HEAD: PAN SLOTTED; MATERIAL: STL; POINT: GIMLET; REFERENCE NO: NO 6; CASEHARDENED	EA	1000
183	80472	SCREW, MACHINE: DIAMETER: 0BA; LENGTH: 50 MM; THREAD: 0BA; HEAD: CHEESE SLOTTED; MATERIAL: BRASS; GRADE: 8.8; SPECIFICATION: BS 57; REFERENCE NO: CHBR0BAX50	EA	4200
184	80486	SCREW, MACHINE: DIAMETER: 5/16 IN; LENGTH: 1 IN; THREAD: 18BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; 90 DEG COUNTERSUNK	EA	150
185	80492	SCREW, MACHINE: DIAMETER: 1/2 IN; LENGTH: 1-1/2 IN; THREAD: 12BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: MS; GRADE: 4.6; SPECIFICATION: BS 450	EA	150
186	80497	SCREW, MACHINE: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; THREAD: 16BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS 450 TABLE 2; 25 TON/IN.2 TENSILE STEEL	EA	150
187	80502	SCREW, MACHINE: DIAMETER: 5/8 IN; LENGTH: 1-1/2 IN; THREAD: 11BSW; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; SPECIFICATION: BS 450	EA	150
188	80523	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1-1/2 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: MS; GRADE: 4.6; SPECIFICATION: SABS 1083 TABLE 1	EA	150
189	80547	SCREW, CAP: DIAMETER: 5/8 IN; LENGTH: 2 IN; THREAD: 11BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9	EA	150
190	80552	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 1-1/2 IN; THREAD: 10BSW; HEAD: HEX; MATERIAL: HTS; GRADE: 12.9	EA	150
191	80557	SCREW, CAP: DIAMETER: 7/8 IN; LENGTH: 2 IN; THREAD: 9BSW; HEAD: HEX; MATERIAL: STL BRIGHT; GRADE: 12.9; SPECIFICATION: SABS 1083 TABLE 1	EA	150
192	80566	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1/2 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: BS 2470	EA	150

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193	80567	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973	EA	150
194	80568	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1-1/2 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9	EA	150
195	80573	SCREW, CAP: DIAMETER: M10; LENGTH: 12 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 12.9; HIGH TENSILE STEEL; SIZE 3/8 IN BSW X 1/2 IN LONG	EA	150
196	80574	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: STL ALLOY HIGH GR; GRADE: 12.9; SPECIFICATION: BS 2470	EA	400
197	80575	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: BS 2470-1973	EA	150
198	80576	SCREW, CAP: DIAMETER: M12; LENGTH: 20 MM; THREAD: 1.75 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: DIN 558	EA	150
199	80577	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1 IN; THREAD: 12BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 2470	EA	400
200	80578	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1-1/2 IN; THREAD: 12BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973	EA	150
201	80579	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 2 IN; THREAD: 12BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 2470; SCREW, CAP; DIAMETER 1/2 IN, THREAD 12BSW, LENGTH 2 IN, HEAD SOCKET HEX, MATERIAL HTS, GRADE 12.9, SPECIFICATION BS2470~SCREW,CAP;1/2 IN,LG 2 IN,THD 12BSW,HTS	EA	150
202	80580	SCREW, CAP: DIAMETER: 5/8 IN; LENGTH: 1 IN; THREAD: 11BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 2470	EA	150
203	80583	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 2-3/4 IN; THREAD: 10UNC; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 2470	EA	150
204	80631	SCREW, CAP: DIAMETER: M10; LENGTH: 2 IN; HEAD: SOCKET HEX; MATERIAL: STL ALLOY HIGH TENSILE; GRADE: 12.9; SPECIFICATION: BS 1083 TABLE 1; THREADS 24 BSW	EA	150
205	80633	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 1-1/4 IN; THREAD: 22BSF; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470; BSW	EA	150
206	80635	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 2 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 2470-1973	EA	400
207	80663	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1/2 IN; THREAD: 20BSW; HEAD: HEX; MATERIAL: MS; GRADE: 12.9; SPECIFICATION: BS 1083 TABLE 1	EA	150
208	80689	SCREW, SELF TAPPING: DIAMETER: NO 8; LENGTH: 25 MM; HEAD: PAN SLOTTED; MATERIAL: STL CASE HARDENED; POINT: GIMLET	EA	500

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209	80691	SCREW, SELF TAPPING: DIAMETER: NO 12; LENGTH: 25 MM; HEAD: PAN SLOTTED; MATERIAL: STL CASE HARDENED ZN PLTD; POINT: GIMLET	EA	500
210	80695	SCREW, SELF TAPPING: DIAMETER: NO 14; LENGTH: 25 MM; HEAD: PAN SLOTTED; MATERIAL: STL CASE HARDENED ZN PLTD; POINT: AB	EA	500
211	80741	SCREW, CAP: DIAMETER: M10; LENGTH: 50 MM; THREAD: 1.5 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: DIN 931; 28/32 TON TENSILE STRENGTH LONG FULL THREAD	EA	500
212	80753	CREW, CAP: DIAMETER: M4; LENGTH: 25 MM; THREAD: 0.7 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1	EA	150
213	80758	SCREW, CAP: DIAMETER: M5; LENGTH: 25 MM; THREAD: 0.8 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9	EA	500
214	80765	SCREW, CAP: DIAMETER: M8; LENGTH: 40 MM; THREAD: 1.25 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1; OEM P/N: 5360-227, OEM: GE STEAM POWER SERVICE; KNURLED HEAD, ISO METRIC THREAD	EA	500
215	80784	SCREW, CAP: DIAMETER: M8; LENGTH: 30 MM; THREAD: 1.25 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1	EA	1500
216	80785	SCREW, CAP: DIAMETER: M16; LENGTH: 55 MM; THREAD: 2 MM; HEAD: SOCKET HEX; MATERIAL: HTS; SPECIFICATION: BS 4168-1981 PART 1	EA	1000
217	80799	SCREW, CAP: DIAMETER: M10; LENGTH: 1 IN; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168; THREADS 24 BSW	EA	800
218	80800	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 3/4 IN; THREAD: 20BSW; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168	EA	150
219	80802	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 3/4 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 12.9; HIGH TENSILE STEEL	EA	150
220	80803	SCREW, CAP: DIAMETER: 5/8 IN; LENGTH: 1-1/4 IN; THREAD: 11BSW; HEAD: SOCKET HEX; MATERIAL: STL ALLOY; GRADE: 12.9; HIGH TENSILE STEEL	EA	150
221	80805	SCREW, CAP: DIAMETER: M20; LENGTH: 30 MM; THREAD: 2.5 MM; HEAD: SOCKET HEX; MATERIAL: STL ALLOY; GRADE: 12.9; HIGH TENSILE STL; SIZE 3/4 INCH BSW X 1 INCH LONG	EA	150
222	80806	SCREW, CAP: DIAMETER: M20; LENGTH: 40 MM; THREAD: 2.5 MM; HEAD: SOCKET HEX; MATERIAL: STL ALLOY; GRADE: 12.9; SIZE 3/4 INCH BSW X 1-1/2 (1.50) INCH LONG	EA	150
223	80807	SCREW, CAP: DIAMETER: M5; LENGTH: 6 MM; THREAD: 0.8 MM; HEAD: SOCKET HEX; MATERIAL: STL ALLOY; GRADE: 12.9; HIGH TENSILE STEEL; SIZE 3/16 INCH BSW X 1/4(0.250) INCH LONG	EA	400
224	80841	SCREW, CAP: DIAMETER: M16; LENGTH: 40 MM; THREAD: 2 MM; HEAD: CSK FLAT SOCKET HEX; MATERIAL: HTS; GRADE: 8.8; SPECIFICATION: BS 4168; REFERENCE NO: 50-11; CUP POINT	EA	150

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225	80859	SCREW, CAP: DIAMETER: M8; LENGTH: 30 MM; THREAD: 1.25 MM; HEAD: CSK SOCKET HEX; MATERIAL: HTS; GRADE: 10.9; REFERENCE NO: 113008030; FLAT POINT	EA	150
226	80905	SCREW, CAP: DIAMETER: M10; LENGTH: 55 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: BS 4168-1981 PART 1	EA	150
227	81425	SCREW, CAP: DIAMETER: M10; LENGTH: 60 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: 24; ADJUSTING; FOR VARLEY GEAR PUMP 50M5T6R/M04	EA	150
228	81441	SCREW, ASSEMBLY: NOMINAL DIAMETER: M12; LENGTH: 30 MM; THREAD: 1.75 MM; HEAD: HEX; MATERIAL: SS GR 304; NUT QUANTITY: 1; FLAT POINT; WITH NUT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	2500
229	81482	SCREW, THUMB: DIAMETER: 3.3 MM; PITCH: 0.8 MM; FASTENER LENGTH: 30 MM; MATERIAL: ALUMINIUM; REFERENCE NO: 09-203-90003; JACK; SHORT MALE; ON CONNECTORS P1 AND P2 FOR COAL FEEDER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
230	81483	SCREW, THUMB: DIAMETER: M3; PITCH: 0.8 MM; FASTENER LENGTH: 30 MM; MATERIAL: ALUMINIUM; REFERENCE NO: 09-203-90004; JACK; SHORT FEMALE; ON CONNECTORS P1 AND P2 FOR COAL FEEDER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
231	81691	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 3-1/4 IN; THREAD: 13BSW; HEAD: HEX; MATERIAL: STL; REFERENCE NO: 35A2C228; FOR INGERSOLL RAND CENTAC COMPRESSOR	EA	150
232	81692	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 4-1/8 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; REFERENCE NO: 35A2C232; 4-1/4 INCH LONG; BSW, FOR INGERSOLL RAND COMPRESSOR	EA	150
233	81693	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 2 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; REFERENCE NO: 35A2C223; BSW; FOR INGERSOLL RAND COMPRESSOR	EA	150
234	81792	SCREW, CAP: DIAMETER: M12; LENGTH: 35 MM; THREAD: 1.75 MM; HEAD: SOCKET HEX; MATERIAL: STL GR A2; GRADE: 12.9; SPECIFICATION: DIN 1.4301; REFERENCE NO: 20; IN SEMPELL MANUAL FOR 250NW HKS1 NON RETURN VALVE; VALVE NUMBER 516466/1/1; FOR EFP DISCHARGE NRV	EA	150
235	81907	M960/300; FOR USE ON MACAWBER DRY DUST PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
236	81932	SCREW, CAP: DIAMETER: M8; LENGTH: 90 MM; THREAD: 1.25 MM; HEAD: CSK SOCKET HEX; MATERIAL: HTS; GRADE: 12.9; SPECIFICATION: DIN 7991; FOR 3.3KV SERVICE BOARDS	EA	150

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Kriel Power Station Supply and Delivery of Bolts, Nuts Washers and Springs Scope of Work on an As and When Required Basis for a Period of 5 Years

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237	81977	SCREW, CAP: DIAMETER: M36; LENGTH: 190 MM; THREAD: 4 MM; HEAD: ROUND SOCKET; MATERIAL: STL; SUPPL P/N: 11-46-9; MODEL NO: HPTPOK40; REFERENCE NO: 104-133-925-001; TENSION; FOR USE ON SULZER 100PCT FEED PUMP	EA	150
238	82004	SCREW, SELF TAPPING: DIAMETER: 5 MM; LENGTH: 25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL; POINT: GIMLET; REFERENCE NO: NO 10; 10 PER PACKET	EA	400
239	82166	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1 IN; THREAD: 16BSW; HEAD: SOCKET HEX; MATERIAL: STL	EA	150
240	82684	SCREW, MACHINE: DIAMETER: 19 MM; LENGTH: 70 MM; THREAD: 2.5 MM; HEAD: HEX; MATERIAL: STAINLESS STEEL; REFERENCE NO: 1W12828; FOR STOCK VOLUMETRIC COAL FEEDER BELT TAKE-UP GROUP	EA	150
241	82685	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 7/8 IN; THREAD: 20UNC; HEAD: CSK SOCKET HEX; MATERIAL: STL; DRAWING NO: L-D8258-C REV 1; REFERENCE NO: F106; WITH PHILLIPS DRIVE; FOR VOLUMETRIC COAL FEEDER GEARBOX	EA	150
242	82686	SCREW, MACHINE: DIAMETER: 31/32 IN; LENGTH: 11-7/8 IN; THREAD: 10UNC; HEAD: HEX; MATERIAL: STAINLESS STEEL; MODEL NO: 44115; REFERENCE NO: 1-W7827; TAKE-UP; FOR VOLUMETRIC COAL FEEDER	EA	150
243	82688	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1-3/16 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; REFERENCE NO: A35A21C219; FOR INGERSOLL RAND COMPRESSOR XLE NL 7" STROKE	EA	150
244	82689	SCREW, CAP: DIAMETER: 5/8 IN; THREAD: 11UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: 35A21C326 REV 1; VALVE COVER; CYLINDER; XLE NL 7 INCH STROKE; LENGTH: 1.73 IN; GR 5	EA	150
245	82692	SCREW, MACHINE: DIAMETER: 1/4 IN; LENGTH: 1-1/4 IN; THREAD: 20BSW; HEAD: FILLISTER; MATERIAL: STAINLESS STEEL; DRAWING NO: 87A2S150 REV 1; LP AND HP CYLINDER; XLE NL 7 IN STROKE	EA	150
246	82693	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 2 IN; THREAD: 10UNC; HEAD: HEX; MATERIAL: STL; SUPPL P/N: A35A21C115; 32175549; FOR INGERSOLL-RAND COMPRESSOR XLE	EA	150
247	82695	SCREW, CAP: DIAMETER: 3/4 IN; LENGTH: 2 IN; THREAD: 10UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: 35A2-1C378 REV 1; OUTER HEAD; CYLINDER XLE NL 7 IN STROKE	EA	150
248	82696	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; SUPPL P/N: 95104147; A35A21C217; FOR INGERSOLL-RAND COMPRESSOR XLE	EA	150
249	82697	SCREW, CAP: DIAMETER: 19 MM; LENGTH: 50 MM; THREAD: 2.5 MM; HEAD: HEX; MATERIAL: STL; GRADE: 5; REFERENCE NO: 35A2-1C109; COVER; OIL PUMP MODEL XLE NL 7 IN STROKE	EA	150
250	82698	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 3/4 IN; THREAD: 16UNC; HEAD: SOCKET HEX; MATERIAL: STL; SUPPL P/N: 95269940; DRIVER FOR INGERSOLL-RAND COMPRESSOR XLE; OLD S P/N 91A2A198E	EA	150

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Kriel Power Station Supply and Delivery of Bolts, Nuts Washers and Springs Scope of Work on an As and When Required Basis for a Period of 5 Years

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251	82699	SCREW, MACHINE: DIAMETER: M10; LENGTH: 5/8 IN; THREAD: 24UNC; HEAD: FILLISTER SLOTTED; MATERIAL: STL; REFERENCE NO: 87AC96; VALVE PLUNGER GUIDE SCREW; FOR INGERSOLL RAND COMPRESSOR XLE; 7 INCH STROKE	EA	150
252	82700	SCREW, MACHINE: DIAMETER: M4; LENGTH: 12 MM; THREAD: 0.8 MM; HEAD: PAN SLOTTED; MATERIAL: STL; REFERENCE NO: 1W89606; FOR GUIDE HOLDER; FOR INGERSOLL RAND COMPRESSOR XLE 14-1/2 - 9 X 7	EA	150
253	82701	SCREW, MACHINE: DIAMETER: 1/4 IN; LENGTH: 31 MM; THREAD: 20UNC; HEAD: ROUND FILLISTER; MATERIAL: STAINLESS STEEL; DRAWING NO: INGERSOLL RAND 87A2S149 REV 1; COVER; UNLOADER; XLE NL 7 INCH STROKE	EA	150
254	82702	SCREW, MACHINE: DIAMETER: 1/4 IN; LENGTH: 1 IN; THREAD: 20UNC; HEAD: FILLISTER; MATERIAL: STAINLESS STEEL; DRAWING NO: 87A2S148 REV 1; COVER ROUND HEAD; HP UN-LOADER; XLE NL 7 IN STROKE	EA	150
255	82704	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1-7/8 IN; THREAD: 13UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: H90295	EA	150
256	82705	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1 IN; THREAD: 13UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: H90264	EA	150
257	82706	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 19/32 IN; THREAD: 18UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: H90136	EA	150
258	82708	SCREW, MACHINE: DIAMETER: 3/16 IN; LENGTH: 1/2 IN; THREAD: 24UNC; HEAD: TRUSS; MATERIAL: STL; REFERENCE NO: 22403B; P22403B	EA	150
259	82710	SCREW, MACHINE: DIAMETER: 3/16 IN; LENGTH: 3/4 IN; THREAD: 24UNC; HEAD: PAN; MATERIAL: STL; REFERENCE NO: PC25782B	EA	150
260	82711	SCREW, MACHINE: DIAMETER: 3/16 IN; LENGTH: 1/2 IN; THREAD: 24UNC; HEAD: TRUSS; MATERIAL: STL; REFERENCE NO: P22403	EA	150
261	82712	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 1 IN; THREAD: 26UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: P26174B	EA	150
262	82713	SCREW, MACHINE: DIAMETER: 3/8 IN; LENGTH: 1-3/8 IN; THREAD: 16UNC; HEAD: HEX; MATERIAL: STAINLESS STEEL; REFERENCE NO: PVC P84546; P84546	EA	150
263	82714	SCREW, MACHINE: DIAMETER: M36; LENGTH: 185 MM; THREAD: 4 MM; HEAD: HEX; FOR HIGH	EA	150
264	82715	SCREW: TYPE: HP HEATER BOX; DIAMETER: M36; LENGTH: 185 MM PRESSURE HEATER WATER BOX LOCKING DEVICE	EA	150
265	82716	SCREW, MACHINE: DIAMETER: 5/16 IN; LENGTH: 23/32 IN; THREAD: 20UNC; HEAD: CSK OVAL; MATERIAL: STAINLESS STEEL; DRAWING NO: AE516E(C) REV 1; FOR KRIEL POWER STATION TAPROGGE SYSTEM	EA	150
266	82717	SCREW, CAP: DIAMETER: M10; LENGTH: 45 MM; THREAD: 1.5 MM; HEAD: CSK SOCKET HEX; MATERIAL: HTS; GRADE: 12.9	EA	150
267	82719	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 5/8 IN; THREAD: 26BSF; HEAD: SOCKET HEX; MATERIAL: HTS	EA	150

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268	82720	SCREW, MACHINE: HEAD: HEX; REFERENCE NO: 901.1; 2-151-142 442/1; FOR KSB PUMP TYPE LUVE 200-415/1	EA	150
269	82721	SCREW, CAP: DIAMETER: M30; LENGTH: 100 MM; THREAD: 3.5 MM; HEAD: HEX; MATERIAL: STL; REFERENCE NO: 2-151-142 442/1; 901-3; FOR KSB PUMP TYPE:- LUVE 200/415/1	EA	150
270	82722	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1-7/32 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; C STUFF NO 35A2C219 COMPRESSOR	EA	150
271	82723	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 2-3/8 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; REFERENCE NO: 35A2-1C225; GLAND; FRAME AND COVER; FOR INGERSOLL RAND COMPRESSOR XLE	EA	150
272	82726	SCREW, CAP: DIAMETER: M12; LENGTH: 40 MM; THREAD: 1.75 MM; HEAD: SOCKET HEX; MATERIAL: STAINLESS STEEL	EA	400
273	82727	SCREW, MACHINE: DIAMETER: 3/16 IN; LENGTH: 28.3 MM; THREAD: 24UNC; HEAD: FLAT; MATERIAL: STAINLESS STEEL; REFERENCE NO: 77A2S100; FOR INGERSOLL RAND COMPRESSOR XLE-NL 7 IN STROKE	EA	150
274	82728	SCREW, MACHINE: DIAMETER: M5; LENGTH: 25 MM; THREAD: 0.8 MM; HEAD: FLAT; MATERIAL: STL; SUPPL P/N: 77A2S101; FOR INGERSOLL RAND COMPRESSOR XLE	EA	150
275	82729	SCREW, MACHINE: DIAMETER: M4; LENGTH: 22 MM; THREAD: 0.8 MM; HEAD: FILLISTER SLOTTED; MATERIAL: STL; REFERENCE NO: 1A3294-2899; VALVE	EA	150
276	82730	SCREW, MACHINE: DIAMETER: M5; LENGTH: 6 MM; THREAD: 0.8 MM; HEAD: PAN SLOTTED; MATERIAL: STL; REFERENCE NO: 1H2674-2899; VALVE	EA	150
277	82731	SCREW, MACHINE: DIAMETER: M5; LENGTH: 18 MM; THREAD: 0.8 MM; HEAD: PAN SLOTTED; MATERIAL: STL; REFERENCE NO: 1H2673-2410; VALVE	EA	150
278	82734	SCREW, MACHINE: DIAMETER: 1-3/4 IN; LENGTH: 41/4 IN; THREAD: 10UNF; HEAD: HEX; REFERENCE NO: 35782-704; TYPE ADJUSTING; 35782-704 VALVE	EA	150
279	82735	SCREW, MACHINE: DIAMETER: 3/4 IN; LENGTH: 2 IN; THREAD: LH 10UNC; HEAD: HEX; MATERIAL: STAINLESS STEEL; REFERENCE NO: SN 234 B068; 198; 1-0098/3/75; IMPELLER; FOR APE GOULDS PUMP MODEL 3736, SIZE 4 X 6-13; CODE R74626-2229	EA	150
280	82736	SCREW, CAP: DIAMETER: 7/8 IN; LENGTH: 2-9/16 IN; THREAD: 9UNC; HEAD: HEX; MATERIAL: STL; I370A; BOILER	EA	150
281	82737	SCREW, CAP: DIAMETER: 7/8 IN; LENGTH: 2 IN; THREAD: 9UNC; HEAD: HEX; MATERIAL: STL; I370E; BOILER	EA	150
282	82738	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 3/4 IN; THREAD: 18UNC; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: M2001H ITEM 7; FOR MODEL SP214P1(X9883) DIESEL ENGINE CLUTCH	EA	150
283	82739	SCREW, CAP: DIAMETER: 35 MM; LENGTH: 40 MM; THREAD: 1.5 MM; HEAD: SOCKET HEX; MATERIAL: STAINLESS STEEL; SUPPL P/N: 412-3; REFERENCE NO: 906; TYPE CIRCULATING PUMP; FIX; COMPLETE WITH 4 SET GASKETS AND O-RINGS; FOR TAPROGGE BALL CIRCULATING PUMP KWPZ65-200 L/M 666	EA	150

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284	82741	SCREW: TYPE: COUPLING; DIAMETER: 7/8 IN; LENGTH: 2-9/16 IN; THREAD: 14UNF; MATERIAL: STL; SCRAP MATERIAL; NOT TO BE USED ON BFPT COUPLING	EA	150
285	82742	SCREW: TYPE: COUPLING; DIAMETER: 7/8 IN; LENGTH: 3-1/4 IN; THREAD: 14UNF; MATERIAL: STL; SCRAP MATERIAL; NOT TO BE USED ON BFPT COUPLING	EA	150
286	82743	SCREW, CAP: DIAMETER: M27; LENGTH: 75 MM; THREAD: 3 MM; HEAD: HEX; MATERIAL: STL; 6KT TURBINE	EA	150
287	82745	SCREW, CAP: DIAMETER: M16; LENGTH: 70 MM; THREAD: 2 MM; HEAD: SOCKET HEX; MATERIAL: SS GR 316 A4; SUPPL P/N: 18-01-5848-671; FOR SEMPELL VALVES TYPE AVS 4	EA	150
288	82746	SCREW, CAP: DIAMETER: M16; LENGTH: 40 MM; THREAD: 2 MM; HEAD: SOCKET HEX; MATERIAL: HTS; GRADE: 12.9	EA	800
289	82747	SCREW, CAP: DIAMETER: M10; LENGTH: 8 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 10.9; REFERENCE NO: 85-54-13; WITH GASKET V/V	EA	150
290	82748	SCREW, CAP: DIAMETER: M10; LENGTH: 8 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: STL; REFERENCE NO: 85-30-13; WITH GASKET 85-30/13	EA	150
291	82751	SCREW, MACHINE: DIAMETER: M3; LENGTH: 25 MM; THREAD: 0.5 MM; HEAD: CHEESE SLOTTED; MATERIAL: STL; PROTECTIVE COATING: CD PLTD	EA	150
292	82752	SCREW, MACHINE: DIAMETER: M4; LENGTH: 25 MM; THREAD: 0.7 MM; HEAD: CHEESE SLOTTED; MATERIAL: STL; PROTECTIVE COATING: CD PLTD	EA	4000
293	82753	SCREW, MACHINE: DIAMETER: M6; LENGTH: 50 MM; THREAD: 1 MM; HEAD: HEX; MATERIAL: STL; PROTECTIVE COATING: CD PLTD	EA	150
294	82754	SCREW, CAP: DIAMETER: M24; LENGTH: 95 MM; THREAD: 3 MM; HEAD: SOCKET HEX; MATERIAL: HTS	EA	450
295	82755	SCREW, MACHINE: DIAMETER: 3/4 IN; LENGTH: 1-1/2 IN; THREAD: 16UNC; HEAD: OVAL PHILLIPS; MATERIAL: STAINLESS STEEL; SUPPL P/N: F687; DRAWING NO: L-A13044-O REV 1; TOP SUPPORT ROLLER SCREW; FOR STOCK EQUIPMENT VOLUMETRIC COAL FEEDER MODEL 44115	EA	150
296	82756	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 6-3/8 IN; THREAD: 13UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: L-D8289-B REV 1; KANTECH K183 REV 1; REFERENCE NO: 8SCP5Z; BEARING HOUSING REDUCER SCREW; FOR VOLUMETRIC COAL FEEDER; STOCK EQUIPMENT 44115	EA	400
297	82757	SCREW, CAP: DIAMETER: 5/16 IN; LENGTH: 3/4 IN; THREAD: 18UNC; HEAD: SOCKET HEX; MATERIAL: STL; DRAWING NO: L-D8258-C REV 1; MODEL NO: 44115; REFERENCE NO: 5SSP6; END COVER FOR CLEANOUT CONVEYOR GEARBOX; VOLUMETRIC COAL FEEDER; STOCK EQUIPMENT	EA	150
298	82758	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 7/8 IN; THREAD: 16UNC; HEAD: SOCKET HEX; MATERIAL: STL; SUPPL P/N: 655P7; DRAWING NO: L-D08069-B1 REV 1; STEEPLE; FOR STOCK VOLUMETRIC FEEDER TOP SUPPORT ROLLER; VOLUMETRIC COAL FEEDER	EA	150

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299	82759	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 7/8 IN; THREAD: 16UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: L-D8261-A REV 1; MODEL NO: 44115; REFERENCE NO: 6SCP7; BEARING CARRIER SCREW FOR VOLUMETRIC COAL FEEDER	EA	150
300	82760	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1-3/16 IN; THREAD: 16UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: L-D8265-B REV 1; END BELL TO HOUSING; BELT DRIVE GEARBOX; VOLUMETRIC COAL FEEDER MODEL 44115	EA	150
301	82761	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 9/16 IN; THREAD: 16UNC; HEAD: HEX; MATERIAL: STL; SUPPL P/N: 6SCP8; DRAWING NO: L-A13039-A REV 1; HEAD PULLEY BEARING COVER; FOR STOCK EQUIPMENT COAL FEEDER MODEL 44115	EA	150
302	82762	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 1-1/2 IN; THREAD: 16UNC; HEAD: HEX; MATERIAL: STL; DRAWING NO: L-D8366 REV 1; REFERENCE NO: 6SCR12; ACCESS COVER; FOR BELT DRIVE HEAD PULLEY ASSEMBLIES	EA	150
303	82763	SCREW, CAP: DIAMETER: 3/16 IN; LENGTH: 1/2 IN; THREAD: 24UNC; HEAD: SOCKET HEX; MATERIAL: STL; DRAWING NO: L-D8069-B1 REV 1; REFERENCE NO: 10SMSP4; ROLL BEARING COVER; FOR TOP SUPPORT ROLLER ON VOLUMETRIC COAL FEEDER MODEL 44115	EA	150
304	82765	SCREW, MACHINE: DIAMETER: M6; LENGTH: 40 MM; THREAD: 1 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL	EA	150
305	82766	SCREW, MACHINE: DIAMETER: M8; LENGTH: 25 MM; THREAD: 1.25 MM; HEAD: CSK FLAT SLOTTED; MATERIAL: STL	EA	150
306	82768	SCREW, CAP: DIAMETER: M5; LENGTH: 40 MM; THREAD: 0.8 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 12.9	EA	150
307	82769	SCREW, CAP: DIAMETER: M5; LENGTH: 50 MM; THREAD: 0.8 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 12.9	EA	150
308	82770	SCREW, CAP: DIAMETER: M6; LENGTH: 8 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: 12.9	EA	150
309	82771	SCREW, CAP: DIAMETER: M22; LENGTH: 50 MM; THREAD: 2.5 MM; HEAD: SOCKET HEX; MATERIAL: STL	EA	150
310	82777	SCREW, CAP: DIAMETER: M6; LENGTH: 25 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: HTS	EA	2000
311	82782	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 7/8 IN; THREAD: 16UNC; HEAD: SOCKET HEX; MATERIAL: STL; CSK; FLAT POINT	EA	150
312	82783	SCREW, CAP: DIAMETER: M12; LENGTH: 50 MM; THREAD: 1 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: HT; THREAD LENGTH: 16 MM; SPECIFICATION: ISO 9001; PROTECTIVE COATING: NONE; SUPPL P/N: 914.16; MODEL NO: HPTPK32; REFERENCE NO: 104-126-532-001; FOR USE ON SULZER FEED PUMP	EA	150
313	82784	SCREW, CAP: DIAMETER: M24; LENGTH: 156 MM; THREAD: 3 MM; HEAD: SOCKET HEX; MATERIAL: STL; GRADE: HT; THREAD LENGTH: 30 MM; SPECIFICATION: ISO 9001; PROTECTIVE COATING: NONE; SUPPL P/N: 914-09; MODEL NO: HPTP0K32; REFERENCE NO: 104-600-338-001; TYPE:TENSION; FOR USE ON 50 PCT FEED PUMP	EA	150

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314	83420	SCREW, CAP: DIAMETER: M24; LENGTH: 70 MM; THREAD: 3 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; DRAWING NO: 01526-00-0500 REV 1; REFERENCE NO: ENS 703; FOR USE ON LOESCHE MILL ROCKER ASSEMBLY; LM26-30D	EA	150
315	85217	SCREW: LENGTH: 100 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; THREAD METRIC; FLAT POINT; NUT QUANTITY: 1; NUT MATERIAL: HTS; NOMINAL DIAMETER: M30	EA	12000
316	87022	SCREW, CAP: DIAMETER: M36; LENGTH: 150 MM; THREAD: 4 MM; HEAD: HEX; MATERIAL: STL; DRAWING NO: BBT HTGR204194 POS 942D REV 1; DISASSEMBLING SCREW; FOR IP CONTROL V/V; VALVE DIA 355MM	EA	150
317	90618	SCREW, CAP: DIAMETER: M22; LENGTH: 50 MM; THREAD: 2.5 MM; HEAD: SOCKET HEX; MATERIAL: STL 21CRMV57; SUPPL P/N: ARS112-2/31; FOR SULZER BYPASS VALVE ARS 112; NOTE: MATERIAL CERTIFICATE TO BE SUPPLIED ON DELIVERY	EA	800
318	90619	SCREW, CAP: DIAMETER: M20; LENGTH: 60 MM; THREAD: 2.5 MM; HEAD: SOCKET HEX; MATERIAL: STL 21CRMV57; SUPPL P/N: ARS112-2-67; REFERENCE NO: 000-003-176-113; FOR COMBINED BY-PASS AND RELIEF VALVE TYPE ARS112; MATERIAL CERTIFICATE TO BE SUPPLIED ON DELIVERY	EA	1200
319	90697	NUT, LOCK: DIAMETER: M33; LOCKING METHOD: SET SCREW; THREAD: 2 MM; MATERIAL: STL; DRAWING NO: K15396 REV 1; SIZE 1-3/8 INCH UNF; FOR GUNBLOWER GEARBOX	EA	150
320	104936	SCREW, CAP: DIAMETER: 3/8 IN; LENGTH: 3/4 IN; THREAD: 16UNC; HEAD: SOCKET HEX; SUPPL P/N: 6SSP6; DRAWING NO: L-D8266-A REV 1; FRONT COVER SCREW; FOR BELT DRIVE GEARBOX ON VOLUMETRIC COAL FEEDER MODEL 44115	EA	150
321	104937	SCREW, CAP: DIAMETER: 1/2 IN; LENGTH: 1 IN; THREAD: 13UNC; HEAD: SOCKET HEX; MATERIAL: STL; DRAWING NO: L-D8266-A REV 1; REFERENCE NO: 8SSP8; STEEPLE; BELT DRIVE GEARBOX; MODEL 44115 VOLUMETRIC COAL FEEDER; STOCK EQUIPMENT	EA	150
322	150109	NUT, LOCK: DIAMETER: M5; LOCKING METHOD: SET SCREW; MATERIAL: STAINLESS STEEL; FIG NO: DELTAPI 8; MODEL NO: N-AA; REFERENCE NO: 31020174; KEY NO:- 12; FOR DELTAPI PNEUMATIC TRANSDUCER	EA	150
323	150280	SCREW: TYPE: ADJUSTING; DIAMETER: M4; LENGTH: 54 MM; THREAD: LH 0.5 MM; MATERIAL: STAINLESS STEEL; SUPPRESSION ADJUSTMENT	EA	150
324	156899	SCREW, THUMB: DIAMETER: 1-3/8 IN; PITCH: 8UNC; FASTENER LENGTH: 1 IN; MATERIAL: PLASTIC; REFERENCE NO: 73643; P73643; CLAMP; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
325	207193	SCREW, MACHINE: DIAMETER: M20; LENGTH: 20 MM; HEAD: HEX; MATERIAL: CS; GRADE: 8.8; SUPPL P/N: HG250; PHD 992232; TYPE ADJUSTING; FOR USE ON METSO GRAVEL PUMP; FRAME 600	EA	150

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326	207197	SCREW, MACHINE: DIAMETER: M30; LENGTH: 130 MM; THREAD: METRIC COARSE; HEAD: HEX; MATERIAL: CS; GRADE: 8.8; SUPPL P/N: HG250; PPD 731040; FOR USE ON METSO GRAVEL PUMP, FRAME 600	EA	150
327	207198	SCREW: TYPE: SADDLE; DIAMETER: M16; LENGTH: 70 MM; THREAD: METRIC COARSE; HEAD: HEX; MATERIAL: STL; GRADE: 8.8; PROTECTIVE COATING: GALV; SUPPL P/N: HG250; PPD 701080; FOR USE ON METSO GRAVEL PUMP, FRAME 600	EA	150
328	207206	SCREW, MACHINE: DIAMETER: M12; LENGTH: 70 MM; THREAD: METRIC COARSE; HEAD: HEX; MATERIAL: CS; GRADE: 8.8; SUPPL P/N: HG250; PPD 770056; TYPE TENSION BLOCK; FOR USE ON METSO GRAVEL PUMP, FRAME 600	EA	150
329	207207	SCREW, MACHINE: DIAMETER: M16; LENGTH: 60 MM; HEAD: HEX; MATERIAL: CS; SUPPL P/N: HG250; PPD 730045; TYPE GLAND FOLLOWER; FOR USE ON METSO GRAVEL PUMP, FRAME 600	EA	150
330	207208	SCREW, CAP: DIAMETER: M16; LENGTH: 50 MM; THREAD: 2 MM; HEAD: HEX; MATERIAL: CS; SUPPL P/N: HG250; PHD 730027; FOR USE ON METSO GRAVEL PUMP; FRAME 600	EA	150
331	207221	SCREW, MACHINE: DIAMETER: M30; LENGTH: 130 MM; THREAD: METRIC COARSE; HEAD: HEX; MATERIAL: STL; GRADE: 8.8; PROTECTIVE COATING: GALV; SUPPL P/N: PHD 751040; HG250; TYPE JACK; FOR USE ON METSO GRAVEL PUMP, FRAME 600	EA	150
332	219109	SCREW, CAP: DIAMETER: M24; LENGTH: 178 MM; HEAD: SOCKET; MATERIAL: EN24 GR 1.6582; SUPPL P/N: 914-11; DRAWING NO: 9-104-600-420 REV 1; MODEL NO: HPTPK32; REFERENCE NO: 3-104-133391; FOR USE ON INTERMDIATE STAGE CONNECTION; THREADS METRIC	EA	150
333	219111	SCREW, CAP: DIAMETER: M24; LENGTH: 172 MM; HEAD: SOCKET; MATERIAL: EN24 GR 1.6582; SUPPL P/N: 3-104-133-495; DRAWING NO: 914.10 REV 1; MODEL NO: HPTPK32; REFERENCE NO: 9-104-600420; FOR USE ON DRIVE END CASING; THREADS METRIC	EA	150
334	219441	SCREW: LENGTH: 75 MM; THREAD: 3 MM; HEAD: HEX; MATERIAL: HTS; GRADE: 8.8; CONE POINT; WITH NUT; NOMINAL DIAMETER: M24; NUT QUANTITY: 1	EA	300
335	538131	SCREW, CAP: DIAMETER: 1/4 IN; LENGTH: 3/4 IN; THREAD: BSF	EA	150
336	626286	SCREW, MACHINE: DIAMETER: 12 MM; LENGTH: 35 MM; THREAD: METRIC; HEAD: CSK FLAT SLOTTED; MATERIAL: STL HIGH ALLOY; GRADE: 10.9; THREAD LENGTH: 25 MM; APPLICATION: PA FAN LINER; WITH 6MM ALLEN KEY	EA	150
337	662296	SCREW, CAP: DIAMETER: M16; LENGTH: 80 MM; THREAD: METRIC; HEAD: COUNTERSUNK; MATERIAL: ALLOY STL; GRADE: 10.9; THREAD LENGTH: 60 MM; PROTECTIVE COATING: BLACK OXIDE; DRAWING NO: 28.45/59118 REV 0; QUENCHED AND TEMPERRED; PROOF LOAD: 830MPA; MIN YIELD STRENGTH: 940MPA; MIN TENSILE STRENGTH: 1040MPA; M16X2 PITCH 75PCT THREADS; TOLARENCE +/-0.25	EA	400
338	20582	STUD: TYPE: ELONGATION; DIAMETER: M56; LENGTH: 315 MM; DRAWING NO: BBT HTGD 90256 POS 60 REV 1; TURBINE FOR LP 1 AND 2	EA	150

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339	85163	STUD: TYPE: SQ THREAD; DIAMETER: M10; THREAD: 1.5 MM; LENGTH: 200 MM; MATERIAL: STL; THREAD LENGTH: 38 MM; DRAWING NO: AE070/BS REV 1; TURBINE; NBOLT FOR KRIEL POWER STATION TAPROGGE SYSTEM DISTRIBUTOR DN65 AND DN80	EA	150
340	85166	STUD, ASSEMBLY: DIAMETER: M42; THREAD: 4.5 MM; LENGTH: 1.657 M; STUD MATERIAL: STL; NUT QUANTITY: 1; THREAD LENGTH: 54 X 47 MM; REFERENCE NO: 104133746001; TIE BOLT FOR SULZER PUMP HPCV RE 50 COMPLETE WITH WASHER	EA	150
341	85167	STUD, DOUBLE ENDED: LENGTH: 970 MM; DIAMETER-A: M42; DIAMETER-B: M42; MATERIAL: STL; THREADS-A: 4.5 MM; THREADS-B: 4.5 MM; THREAD LENGTH-A: 44 MM; THREAD LENGTH-B: 55 MM; TURBINE BOLTS M42X987; 11.14 HPCURE50	EA	150
342	85169	STUD, DOUBLE ENDED: LENGTH: 225 MM; DIAMETER-A: M42; DIAMETER-B: M42; REFERENCE NO: 11,95; HPCURE50; MAIN EXTRACTION PUMP	EA	150
343	85176	STUD, DOUBLE ENDED: LENGTH: 355 MM; DIAMETER-A: M60; DIAMETER-B: M60; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 96 MM; THREAD LENGTH-B: 78 MM; DRAWING NO: BBT HTGR 307000 POS 202B REV 1; MEASURING BOLT FOR LP BYPASS CONTROL VALVE AND TURBINE ELONGATION STUDS AND BOLTS	EA	150
344	85178	STUD, DOUBLE ENDED: LENGTH: 80 MM; DIAMETER-A: M20; DIAMETER-B: M20; MATERIAL: STL; THREADS-A: 2.5 MM; THREADS-B: 2.5 MM; THREAD LENGTH-A: 32 MM; THREAD LENGTH-B: 25 MM; TYPE: TURBINE; DRAWING NO: BBT HTGD 90252 REV 1; BOLT; FOR HP CYLINDER D1 020 001	EA	400
345	85179	STUD, DOUBLE ENDED: LENGTH: 100 MM; DIAMETER-A: M24; DIAMETER-B: M24; MATERIAL: STL; THREADS-A: 3 MM; THREADS-B: 3 MM; THREAD LENGTH-A: 38 MM; THREAD LENGTH-B: 30 MM; POSITION 6; FOR TURBINE ADJUSTING BOLT; B0 20001 HTGD 90140	EA	150
346	85182	STUD: DIAMETER: M56; THREAD: SQ 5.5 MM; LENGTH: 500 MM; MATERIAL: STL; THREAD LENGTH: 85 MM; DRAWING NO: BBT HTGD 90167 POS 3 REV 1; ELONGATION BOLT FOR IP TURBINE VALVE CONNECTION	EA	150
347	85183	STUD, DOUBLE ENDED: LENGTH: 200 MM; DIAMETER-A: M42; DIAMETER-B: M42; MATERIAL: STL; THREADS-A: 4.5 MM; THREADS-B: 4.5 MM; THREAD LENGTH-A: 62 MM; THREAD LENGTH-B: 48 MM; TYPE: TURBINE	EA	150
348	85184	STUD, DOUBLE ENDED: LENGTH: 710 MM; DIAMETER-A: M64; DIAMETER-B: M64; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 96 MM; THREAD LENGTH-B: 96 MM; DRAWING NO: BBT HTGD 90167 POS 4 REV 1; MEASURING HEAD; FOR HP INNER CASING LOCATION 2A	EA	150
349	85199	STUD, ASSEMBLY: DIAMETER: 9.5 MM; THREAD: 1 MM; LENGTH: 108 MM; STUD MATERIAL: HTS; THREAD LENGTH: 18 MM; DRAWING NO: BBT HTGD390913 REV 1; DOUBLE ENDED; COMPLETE WITH WASHERS AND NUTS, FOR USE ON BFPT COUPLING.; TYPE: CLAMPING	EA	150

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350	85749	STUD, DOUBLE ENDED: LENGTH: 2 IN; DIAMETER-A: 1/2 IN; DIAMETER-B: 1/2 IN; MATERIAL: STL BRIGHT; THREADS-A: 12BSW; THREADS-B: 12BSW; THREAD LENGTH-A: 7/16 IN; THREAD LENGTH-B: 1 IN; TYPE: TAP END; SPECIFICATION: BS 2693PT1; GRADE: 4.6; BARREL	EA	150
351	85756	STUD, DOUBLE ENDED: LENGTH: 3 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: MS; THREADS-A: 11BSW; THREADS-B: 11BSW; THREAD LENGTH-A: 5/8 IN; THREAD LENGTH-B: 1-3/4 IN; SPECIFICATION: BS 2693; THREADED BARREL, 28 TON TS	EA	150
352	85757	STUD, DOUBLE ENDED: LENGTH: 3-1/2 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: STL BRIGHT; THREADS-A: 11BSW; THREADS-B: 11BSW; THREAD LENGTH-A: 5/8 IN; THREAD LENGTH-B: 2-1/4 IN; TYPE: BARREL; SPECIFICATION: BS 2693PT1	EA	150
353	85763	STUD, DOUBLE ENDED: LENGTH: 3-1/2 IN; DIAMETER-A: 3/4 IN; DIAMETER-B: 3/4 IN; MATERIAL: MS BRIGHT; THREADS-A: 10BSW; THREADS-B: 10BSW; THREAD LENGTH-A: 3/4 IN; THREAD LENGTH-B: 2 IN; SPECIFICATION: BS 2693	EA	150
354	86439	STUD, DOUBLE ENDED: LENGTH: 140 MM; DIAMETER-A: M24; DIAMETER-B: M24; MATERIAL: STL; THREADS-A: 3 MM; THREADS-B: 3 MM; THREAD LENGTH-A: 90 MM; THREAD LENGTH-B: 24 MM; MATERIAL: DURAHEAT 1055	EA	150
355	86514	STUD, DOUBLE ENDED: LENGTH: 2-1/4 IN; DIAMETER-A: 7/16 IN; DIAMETER-B: 7/16 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 1.664 IN; THREAD LENGTH-B: 0.461 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
356	86515	STUD, DOUBLE ENDED: LENGTH: 3 IN; DIAMETER-A: 7/16 IN; DIAMETER-B: 7/16 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 2.064 IN; THREAD LENGTH-B: 0.489 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
357	86516	STUD, DOUBLE ENDED: LENGTH: 3-1/4 IN; DIAMETER-A: 7/8 IN; DIAMETER-B: 7/8 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 1.54 IN; THREAD LENGTH-B: 0.892 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
358	86517	STUD, DOUBLE ENDED: LENGTH: 4-1/2 IN; DIAMETER-A: 1 IN; DIAMETER-B: 1 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 2.348 IN; THREAD LENGTH-B: 1.032 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
359	86518	STUD, DOUBLE ENDED: LENGTH: 5 IN; DIAMETER-A: 1-1/8 IN; DIAMETER-B: 1-1/8 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 2.696 IN; THREAD LENGTH-B: 1.084 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY ; 7/8 IN THREADS-A, 7/8 IN THREADS-B; MATERIAL	EA	150
360	86519	STUD, DOUBLE ENDED: LENGTH: 6-1/2 IN; DIAMETER-A: 1-1/2 IN; DIAMETER-B: 1-1/2 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 3-1/2 IN; THREAD LENGTH-B: 1-7/16 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150

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361	86520	STUD, DOUBLE ENDED: LENGTH: 6-1/4 IN; DIAMETER-A: 1-5/8 IN; DIAMETER-B: 1-5/8 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADSB: BSF; THREAD LENGTH-A: 55 MM; THREAD LENGTH-B: 55 MM; GRADE: 8.8; BOTH END THREADED, MIDDLE OF BOLT SIZE: 65MM UNTHREADED WITH UNDERCUT 20MM, UNDERCUT OD 36.5MM , MATERIAL CERTIFICATE TO BE SUPPLIES WITH DELIVERY	EA	150
362	86521	STUD, DOUBLE ENDED: LENGTH: 7-1/2 IN; DIAMETER-A: 2 IN; DIAMETER-B: 2 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 3.372 IN; THREAD LENGTH-B: 1.953 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
363	86522	STUD, ALL THREAD: DIAMETER: 2-1/2 IN; LENGTH: 11 IN; THREAD: BSF; MATERIAL: HTS GR 60; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
364	86525	STUD, DOUBLE ENDED: LENGTH: 2 IN; DIAMETER-A: 3/8 IN; DIAMETER-B: 3/8 IN; MATERILENGTH-A: 1 IN; THREAD LENGTH-B: 3/8 IN; D N O - DUPLICATE SAME AS 5307 70 1047042 CONTACT AWIE 2444 AL: HTS; THREADS-A: UNC; THREADS-B: UNC; THREAD	EA	150
365	86593	STUD, DOUBLE ENDED: LENGTH: 3 IN; DIAMETER-A: 7/8 IN; DIAMETER-B: 7/8 IN; MATERIAL: HTS; THREADS-A: 5/8 IN; THREADS-B: 5/8 IN; THREAD LENGTH-A: 1-3/4 IN; THREAD LENGTH-B: 7/8 IN; SPECIFICATION: BS 2693; GRADE: 4.6; REFERENCE NO: 0.57-815; BARREL	EA	150
366	86605	STUD, DOUBLE ENDED: LENGTH: 3 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: MS; THREADS-A: 14BSF; THREADS-B: 14BSF; THREAD LENGTH-A: 3/4 IN; THREAD LENGTH-B: 1-3/4 IN; TYPE: BARREL; SPECIFICATION: BS 2693; GRADE: 4.6	EA	150
367	86616	STUD, DOUBLE ENDED: LENGTH: 2-1/2 IN; DIAMETER-A: 5/8 IN; DIAMETER-B: 5/8 IN; MATERIAL: HTS GR 60; THREAD LENGTH-A: 1-1/4 IN; THREAD LENGTH-B: 3/4 IN; 7/16 IN BSF THREADS-A, 7/16 IN BSF THREADS-B; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
368	86617	STUD, DOUBLE ENDED: LENGTH: 2-1/2 IN; DIAMETER-A: 1/2 IN; DIAMETER-B: 1/2 IN; MATERIAL: HTS; THREADS-A: 16BSF; THREADS-B: 16BSF; THREAD LENGTH-A: 1-5/8 IN; THREAD LENGTH-B: 1/2 IN; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; BARREL	EA	150
369	86621	STUD, ALL THREAD: DIAMETER: 5/8 IN; LENGTH: 4 IN; THREAD: 11BSW; MATERIAL: HTS; GRADE: 4.6; SPECIFICATION: BS 2693; BARREL	EA	150
370	86654	STUD, ALL THREAD: DIAMETER: 3/8 IN; LENGTH: 2 IN; THREAD: 0.5906 IN; MATERIAL: STL; RUNNING	EA	150
371	86655	STUD, ALL THREAD: DIAMETER: 7/8 IN; LENGTH: 7 IN; THREAD: BSW; MATERIAL: MS; RUNNING	EA	150
372	86656	STUD, ALL THREAD: DIAMETER: 1-1/2 IN; LENGTH: 6 IN; MATERIAL: STL; RUN	EA	150

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373	86810	STUD, DOUBLE ENDED: LENGTH: 3-1/4 IN; DIAMETER-A: 3/4 IN; DIAMETER-B: 3/4 IN; MATERIAL: HTS GR 60; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 1-1/2 IN; THREAD LENGTH-B: 3/4 IN; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
374	86994	STUD: TYPE: COUPLING DRIVE; DIAMETER: M16; THREAD: 1.4 MM; LENGTH: 97 MM; MATERIAL: STDRAWING NO: L-D8366-A REV 1; MODEL NO: 44115; FOR HEAD PULLEY VOLUMETRIC COAL FEEDER STOCK EQUIPMENT AINLESS STEEL; THREAD LENGTH: 19 MM;	EA	500
375	86995	STUD, DOUBLE ENDED: LENGTH: 95 MM; DIAMETER-A: M3; DIAMETER-B: M3; MATERIAL: STL; THREADS-A: 0.8 MM; THREADS-B: 0.8 MM; THREAD LENGTH-A: 38 MM; THREAD LENGTH-B: 11 MM; MOUNTING	EA	150
376	86996	STUD: TYPE: ELONGATION; DIAMETER: 100 MM; LENGTH: 1.09 M; DRAWING NO: BBT HTGD 90168 POS 3 REV 1; FOR IP TURBINE INNER CASING	EA	150
377	86998	STUD: TYPE: ELONGATION; DIAMETER: M80; LENGTH: 470 MM; DRAWING NO: BBT HTGD 90168 POS 1 REV 1; FOR IP TURBINE INNER CASING	EA	150
378	86999	STUD, DOUBLE ENDED: LENGTH: 500 MM; DIAMETER-A: 72 MM; DIAMETER-B: 72 MM; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 120 MM; THREAD LENGTHB: 78 MM; DRAWING NO: BBT HTGD 90168 POS 1 REV 1; HTGD 90168 REV 1; TYPE: ELONGATION 470, FOR IP TURBINE OUTER CASING	EA	150
379	87000	STUD, DOUBLE ENDED: LENGTH: 570 MM; DIAMETER-A: M72; DIAMETER-B: M72; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 80 MM; THREAD LENGTH-B: 110 MM; TYPE: ELONGATION; IP O/CYL P1 HTGR90168	EA	150
380	87001	STUD, DOUBLE ENDED: LENGTH: 355 MM; DIAMETER-A: M64; DIAMETER-B: M64; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 104 MM; THREAD LENGTH-B: 81 MM; DRAWING NO: BBT HTGD 90167 POS 1 REV 1; ELONGATION STUD; FOR IP INNER CASING	EA	150
381	87004	STUD, DOUBLE ENDED: LENGTH: 355 MM; DIAMETER-A: M48; DIAMETER-B: M48; MATERIAL: STL; THREADS-A: 4.5 MM; THREADS-B: 4.5 MM; THREAD LENGTH-A: 85 MM; THREAD LENGTH-B: 85 MM; TYPE: ELONGATION; DRAWING NO: BBT HTGD 90167 POS 3 REV 1; FOR HP FORCED COOLING; LOCATION 501	EA	150
382	87005	STUD, DOUBLE ENDED: LENGTH: 250 MM; DIAMETER-A: M42; DIAMETER-B: M42; MATERIAL: STL; THREADS-A: 4.5 MM; THREADS-B: 4.5 MM; THREAD LENGTH-A: 62 MM; THREAD LENGTH-B: 48 MM; DRAWING NO: BBT HTGR 307000 POS 203C REV 1; HTGR 307000 REV 1; EXPANDING FOR LP BYPASS STOP VALVE AND TURBINE ELONGATION STUDS AND BOLTS	EA	150
383	87006	STUD, DOUBLE ENDED: LENGTH: 315 MM; DIAMETER-A: M56; DIAMETER-B: M56; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 62 MM; THREAD LENGTH-B: 62 MM; DRAWING NO: BBT HTGD 90259 POS 60 REV 1; BBT HTGD	EA	150

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		90256 POS 60 REV 1; ELONGATION; FOR LP 1 AND 2 INNER CASING		
384	87007	STUD, ALL THREAD: DIAMETER: 1-3/8 IN; LENGTH: 53/4 IN; THREAD: 8BSF; MATERIAL: HTS GR 60; FIG NO: 24940W; 1.625 IN LONG THREAD ONE END 3.125 IN LONG THREAD OTHER END; U/ON HOPKINSON PARALLEL ALIDE VALVE; THREADS: 1 IN	EA	150
385	87008	STUD: TYPE: SPRING ADJUSTING; DIAMETER: M16; THREAD: 1.4 MM; LENGTH: 68 MM; MATERIAL: BRASS; THREAD LENGTH: 48 MM; DRAWING NO: BBT W 301631 POS 15 REV 1; FOR OIL LEVEL GOVERNORS TYPE 350, 351 AND 354	EA	150
386	87009	STUD, DOUBLE ENDED: LENGTH: 3-1/2 IN; DIAMETER-A: 1 IN; DIAMETER-B: 1 IN; MATERIAL: HTS; THREAD LENGTH-A: 1.318 IN; THREAD LENGTH-B: 0.988 IN; REFERENCE NO: 34215-103B; COVER STUD; FOR HOPKINSON VALVE FIG.24960W; SIZE: 21/2 IN AND 3 IN	EA	150
387	87010	STUD, DOUBLE ENDED: LENGTH: 5 IN; DIAMETER-A: 1-1/4 IN; DIAMETER-B: 1-1/4 IN; MATERIAL: STL; THREAD LENGTH-A: 1.626 IN; THREAD LENGTH-B: 1.273 IN; 7/8 IN THREADS-A, 7/8 IN THREADS-B; VALVE	EA	150
388	87011	STUD, DOUBLE ENDED: LENGTH: 5-3/4 IN; DIAMETER-A: 1-3/8 IN; DIAMETER-B: 1-3/8 IN; MATERIAL: STL; THREAD LENGTH-A: 1-3/4 IN; THREAD LENGTH-B: 1-3/8 IN; REFERENCE NO: 34221-107; 1 IN THREADS-A, 1 IN THREADS-B; GUIDE BRACKET FOR USE WITH FIGURE 24940 W; HOPKINSON 5 IN; PARALLEL SLIDE VALVE	EA	150
389	87012	STUD: TYPE: LID; DIAMETER: 1-1/2 IN; THREAD: BSF; LENGTH: 6-1/4 IN; MATERIAL: HTS GR 60; FIG NO:23928W; REFERENCE NO: 34222-113; FOR HOPKINSON PARALLEL SLIDE VALVE; SIZE 8 INCH	EA	150
390	87013	STUD, DOUBLE ENDED: LENGTH: 7-1/2 IN; DIAMETER-A: 2 IN; DIAMETER-B: 2 IN; MATERIAL: STL; THREAD LENGTH-A: 2-1/4 IN; THREAD LENGTH-B: 2 IN; FIG NO: 24940W; REFERENCE NO: 34225102B; 1-1/4 IN THREADS-A, 1-1/4 IN THREADS-B; LID FOR 12 INCH HOPKINSON PARALLEL SLIDE VALVE SIZE 2 INCH X 7-1/2 INCH	EA	150
391	87014	STUD, DOUBLE ENDED: LENGTH: 218 MM; DIAMETER-A: M55; DIAMETER-B: M55; MATERIAL: STL; THREADS-A: 4 MM; THREADS-B: 4 MM; THREAD LENGTH-A: 60 MM; THREAD LENGTH-B: 60 MM; 2 1/4IN X16IN 24940WE 36450W	EA	150
392	87015	STUD, DOUBLE ENDED: LENGTH: 170 MM; DIAMETER-A: M30; DIAMETER-B: M30; MATERIAL: MS; THREAD LENGTH-A: 100 MM; THREAD LENGTHB: 30 MM; NUT; ONE SIDE THREADED: 100MM LONG PIECE NOT THREADED: 40MM LONG OTHER SIDE THREADED: 30MM LONG	EA	150
393	87016	STUD, DOUBLE ENDED: LENGTH: 4.535 IN; DIAMETER-A: 1-1/4 IN; DIAMETER-B: 1-1/4 IN; MATERIAL: STL; THREADS-A: BSF; THREADS-B: BSF; THREAD LENGTH-A: 1.5748 IN; THREAD LENGTH-B: 1.265 IN; 7/8 IN THREADS-A, 7/8 IN THREADS-B; COVER BRISCH NUMBER 34215-115	EA	150

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394	87017	STUD, DOUBLE ENDED: LENGTH: 5-1/2 IN; DIAMETER-A: 1-1/4 IN; DIAMETER-B: 1-1/4 IN; MATERIAL: STL; THREAD LENGTH-A: 1.604 IN; THREAD LENGTH-B: 1-1/4 IN; 7/8 IN THREADS-A, 7/8 IN THREADS-B; STUD, HT 1-1/4X5-1/2 HOP VALVE	EA	150
395	87018	STUD, DOUBLE ENDED: LENGTH: 5 IN; DIAMETER-A: 1-3/8 IN; DIAMETER-B: 1-3/8 IN; MATERIAL: STL; THREAD LENGTH-A: 1.4 IN; THREAD LENGTH-B: 1.721 IN; REFERENCE NO: 34221-102; 1 IN THREADS-A, 1 IN THREADS-B; 1-3/4X5IN VV	EA	150
396	87019	STUD, DOUBLE ENDED: LENGTH: 8-1/2 IN; DIAMETER-A: 2 IN; DIAMETER-B: 2 IN; MATERIAL: STL; THREAD LENGTH-A: 2-1/4 IN; THREAD LENGTH-B: 2 IN; 1-1/4 IN THREADS-A, 1-1/4 IN THREADS-B, HT 2X8-1/2 HOP VALVE	EA	150
397	87020	STUD, DOUBLE ENDED: LENGTH: 9-1/4 IN; DIAMETER-A: 2-1/4 IN; DIAMETER-B: 2-1/4 IN; THREAD LENGTH-A: 2-1/4 IN; THREAD LENGTH-B: 2 1/4 IN; 1-1/4 IN THREADS-A, 1-1/4 IN THREADS-B; STUD, HT 2-1/4X9-1/4 HOP VALVE	EA	150
398	87021	STUD, DOUBLE ENDED: LENGTH: 80 MM; DIAMETER-A: M16; DIAMETER-B: M16; MATERIAL: HTS; THREADS-A: 2 MM; THREADS-B: 2 MM; THREAD LENGTH-A: 48 MM; THREAD LENGTH-B: 19 MM; GRADE: 8.8	EA	150
399	87023	STUD, DOUBLE ENDED: LENGTH: 4-3/8 IN; DIAMETER-A: 3/4 IN; DIAMETER-B: 3/4 IN; MATERIAL: STL; THREAD LENGTH-A: 2-1/4 IN; THREAD LENGTH-B: 1 IN; DRAWING NO: 3/7419/342 REV 1; 1/2 IN BSF THREADS-A, 1/2 IN BSF THREADS-B; WITH CASTLE NUT WASHER AND SPLIT PIN IN ACCORDANCE WITH MK20	EA	150
400	87024	STUD, DOUBLE ENDED: LENGTH: 55 MM; DIAMETER-A: M12; DIAMETER-B: M12; MATERIAL: SS GR 304; THREADS-A: 1.75 MM; THREADS-B: 1.75 MM; THREAD LENGTH-A: 12 MM; THREAD LENGTH-B: 30 MM	EA	150
401	87025	STUD, ALL THREAD: DIAMETER: M10; LENGTH: 55 MM; THREAD: 1.5 MM; MATERIAL: SS GR 304	EA	150
402	87026	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2.5 MM; LENGTH: 145 MM; NUT QUANTITY: 1; THREAD LENGTH: 81 X 33 MM; FIG NO: 5-459/16; REFERENCE NO: 3D; GATE STRAP NYLOC FOR BETA VALVE SIZE 300MM; WITH IRATHANE LINING DRILLED TO TABLE 16/11	EA	150
403	87027	STUD: DIAMETER: 1/2 IN; THREAD: BSW; LENGTH: 21/2 IN; MATERIAL: SS GR 304	EA	150
404	87028	STUD, DOUBLE ENDED: LENGTH: 2 IN; DIAMETER-A: 3/8 IN; DIAMETER-B: 3/8 IN; MATERIAL: HTS GR 60; THREADS-A: BSW; THREADS-B: BSW; THREAD LENGTH-A: 1.226 IN; THREAD LENGTH-B: 0.509 IN; FULL THREADED; NOTE! MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	EA	150
405	87102	STUD, DOUBLE ENDED: LENGTH: 2 IN; DIAMETER-A: 3/8 IN; DIAMETER-B: 3/8 IN; MATERIAL: HTS GR 60; THREADS-A: 20BSF; THREADS-B: 20BSF; THREAD LENGTH-A: 1-1/16 IN; THREAD LENGTH-B: 7/16 IN; BARREL	EA	150
406	90610	STUD, ALL THREAD: DIAMETER: 19 MM; LENGTH: 112 MM; THREAD: 2.5 MM; MATERIAL: STL; REFERENCE NO: 1P5902-31012; SC 205427; ITEM 4; FOR FISHER CONDENSOR LEVEL CONTROLLER	EA	150

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407	90611	STUD, DOUBLE ENDED: LENGTH: 18 MM; DIAMETER-A: M8; DIAMETER-B: M8; MATERIAL: STL; THREADS-A: 1.5 MM; THREADS-B: 1.5 MM; THREAD LENGTH-A: 8 MM; THREAD LENGTH-B: 8 MM	EA	150
408	90628	STUD, DOUBLE ENDED: LENGTH: 355 MM; DIAMETER-A: 64 MM; DIAMETER-B: 64 MM; MATERIAL: STL; THREADS-A: 6 MM; THREADS-B: 6 MM; THREAD LENGTH-A: 96 MM; THREAD LENGTH-B: 74 MM; DRAWING NO: BBT HTGR 307000 POS 202A REV 1; EXPANDING BOLT FOR LP BYPASS CONTROL VALVE AN TURBINE ELONGATION STUDS AND BOLTS	EA	150
409	93286	ANCHOR, STUD: DIAMETER: M6; LENGTH: 33 MM; EMBEDDED LENGTH: 22 MM; THREAD LENGTH: 11 MM; MATERIAL: STL; REFERENCE NO: M6-11-22D12; CONCRETE; 3.7MM; 100 PER BOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
410	206228	STUD, ALL THREAD: DIAMETER: M12; LENGTH: 45 MM; MATERIAL: MS; SUPPL P/N: SM12-45EH; FOR USE ON RITZ 125-250 2F PUMP	EA	150
411	206251	STUD, ALL THREAD: DIAMETER: M16; LENGTH: 40MM; MATERIAL: MS; SUPPL P/N: SM16-40EH; FOR USE ON RITZ 125-250 2F PUMP	EA	150
412	216579	STUD: DIAMETER: M16; THREAD: 1.5 MM; LENGTH: 40 MM; MATERIAL: MS GR EN43; THREAD LENGTH:16 MM; SPECIFICATION: DIN 938; SUPPL P/N: SM16-40EH; MODEL NO: APE 125/250-2F	EA	300
413	219120	STUD, DOUBLE ENDED: LENGTH: 355 MM; DIAMETER-A: 70 MM; DIAMETER-B: 70 MM; MATERIAL: 1.6582 GR EN24; THREADS-A: ACME K70; THREADS-B: ACME K70; THREAD LENGTH-A: 72 MM; THREAD LENGTH-B: 65 MM; TYPE: CASING; SUPPL P/N: 902.02; DRAWING NO: 9-104-600-420 REV 1; MODEL NO: HPTPK32; REFERENCE NO: 3-104-133439	EA	150
414	577918	STUD, ASSEMBLY: DIAMETER: M12; THREAD: BSF; LENGTH: 75 MM; STUD MATERIAL: HTS; NUT QUANTITY: 1; NUT GRADE: A4-70; REFERENCE NO: 91400; 91602; APPLICATION: KSB PUMPS; NUT TYPE: HEXIGON; FULLY THREADED	EA	150
415	663371	STUD, DOUBLE ENDED: LENGTH: 101 MM; DIAMETER-A: M16; DIAMETER-B: 12 MM; MATERIAL: DURAHETE 1055; THREADS-A: 2 MM; THREADS-B: 3 MM; THREAD LENGTH-A: 27 MM; THREAD LENGTH-B: 27 MM; TYPE: REDUCED SHANK STUD; GRADE: 1055; PROTECTIVE COATING: NONE	EA	150
416	664747	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2.5 MM; LENGTH: 117 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 31 MM; TYPE: BURNER INLET FLANGE; DRAWING NO: 28,45/59246 REV 0; REDUCED SHANK STUD AND HEAVY DUTY HEX NUTS	EA	150
417	664748	STUD, ASSEMBLY: DIAMETER: M16; THREAD: 2 MM; LENGTH: 101 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 27 MM; TYPE: BURNER INLET FLANGE BOTTOM; DRAWING NO: 28.45/59245 REV 0; REDUCED SHANK STUD AND HEAVY DUTY NUTS; FOR HIGH TEMEPERATURES APPLICATIONS	EA	150

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418	664749	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2.5 MM; LENGTH: 144 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 34 MM; TYPE: CONVERTOR LID; DRAWING NO: 28.45/59250 REV 0; REDUCED SHANK STUD AND HEAVY DUTY NUTS; FOR HIGH TEMEPERATURES APPLICATIONS	EA	150
419	664750	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2 MM; LENGTH: 117 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: DURAHETE 1055; THREAD LENGTH: 31 MM; TYPE: SO3 LANCE FLANGE; DRAWING NO: 28.45/59252 REV 0; REDUCED SHANK STUD AND HEAVY DUTY HEX NUTS; FOR HIGH TEMEPERATURES APPLICATIONS	EA	150
420	664751	STUD, ASSEMBLY: DIAMETER: M16; THREAD: 2 MM; LENGTH: 98 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 27 MM; TYPE: SO3 LANCE FLANGE; DRAWING NO: 28.45/59251 REV 0; REDUCED SHANK STUD AND HEAVY DUTY HEX NUTS; FOR HIGH TEMPERATURE APPLICATIONS	EA	150
421	664752	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2.5 MM; LENGTH: 187 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 31 MM; TYPE: BURNER LID; DRAWING NO: 28.45/59247 REV 0; REDUCED SHANK STUD AND HEAVY DUTY HEX NUTS; FOR HIGH TEMEPERATURES APPLICATIONS	EA	150
422	664753	STUD, ASSEMBLY: DIAMETER: M20; THREAD: 2.7 MM; LENGTH: 187 MM; STUD MATERIAL: DURAHETE 1055; NUT QUANTITY: 2; NUT MATERIAL: HTS; NUT GRADE: 8.8; THREAD LENGTH: 31 MM; TYPE: BURNER LID; DRAWING NO: 28.45/59248 REV 0; REDUCE SHANK STUD AND HEAVY DUTY HEX NUT; FOR HIGH TEMPERATURE APPLICATION	EA	150
423	676181	STUD, DOUBLE ENDED: LENGTH: 464 MM; DIAMETER-A: 45 MM; DIAMETER-B: 45 MM; MATERIAL: STEEL; THREADS-A: M45-3; THREADS-B: M45-3; THREAD LENGTH-A: 64 MM; THREAD LENGTH-B: 64 MM; TYPE: SLIPRING SHAFT; OEM P/N: HTGG415049P0001, OEM: GE STEAM POWER SERVICE; DRAWING NO: GGMV691513/13; HTGG131931/21 REV A	EA	150
424	685772	STUD: TYPE: THREADED; DIAMETER: 48 MM; THREAD: M48 6UNC 2A RH; LENGTH: 503 MM; MATERIAL: ASTM A193; THREAD LENGTH: 503 MM; GRADE: B16; DRAWING NO: 28.45/60955 REV 0; M30 8 UNC 2A-RH	EA	150
425	692962	STUD: TYPE: EXPANSION; DIAMETER: 24 MM; THREAD: M24; LENGTH: 160 MM; MATERIAL: STEEL 12CRMV; THREAD LENGTH: 42 X 26 MM; OEM P/N: TGD 218950P0005, OEM: GE STEAM POWER SERVICE; DRAWING NO: HTGG90460/20 REV F; R405720 REV F	EA	150
426	738516	STUD: TYPE: INSULATION; DIAMETER: 30.1 MM; THREAD: NOT THREADED; LENGTH: 137 MM; MATERIAL: BASE: MILD STEEL SHAFT: INSULATION (G11); THREAD LENGTH: 0 MM; OEM P/N: ESCK101; STUD BASE DIMENSIONS: OD 30.1 MMSHAFT BASE : OD 31.5 MM X THK 2.1 MM, MATERIAL:SHAFT DIMENSION: LG 102 MM X OD 16 MM, MATERIAL:APPLICATION: GENERATOR ROTOR SHAFT EARTHING SYSTEM	EA	150

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Kriel Power Station Supply and Delivery of Bolts, Nuts Washers and Springs Scope of Work on an As and When Required Basis for a Period of 5 Years

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427	84703	ROD, THREADED: DIAMETER: 10 MM; THREAD: 16BSW; LENGTH: 1 M; MATERIAL: MS; FULL THREAD; SIZE: 3/8 INCH BSW	EA	150
428	85200	ROD, THREADED: DIAMETER: 9.5 MM; THREAD: 20BSF; LENGTH: 1 M; MATERIAL: MS; FULL THREAD; SIZE: 3/8 INCH BSF IN	EA	150
429	85201	ROD, THREADED: DIAMETER: 5/8 IN; THREAD: 14BSF; LENGTH: 1 M; MATERIAL: MS; FULL	EA	150
430	85202	ROD, THREADED: DIAMETER: 3/4 IN; THREAD: BSF; LENGTH: 1 M; MATERIAL: MS; FULL THREAD	EA	150
431	85203	ROD, THREADED: DIAMETER: 12.5 MM; THREAD: 13BSF; LENGTH: 1 M; MATERIAL: MS; FULL; SIZE: 1/2 INCH BSF IN	EA	150
432	85205	ROD, THREADED: DIAMETER: 16 MM; THREAD: 11BSW; LENGTH: 1 M; MATERIAL: MS; FULL THREAD; SIZE: 5/8 INCH BSW IN	EA	150
433	85206	ROD, THREADED: DIAMETER: 19 MM; THREAD: BSW; LENGTH: 1 M; MATERIAL: MS; FULL, 3/4 IN	EA	150
434	85207	ROD, THREADED: DIAMETER: 12.7 MM; THREAD: 12 MM; LENGTH: 1 M; MATERIAL: MS; FULL; SIZE: 1/2 INCH	EA	150
435	85233	ROD, THREADED: DIAMETER: 10 MM; THREAD: 1.5 MM; LENGTH: 1 M; MATERIAL: MS; FULL	EA	500
436	692951	ROD, THREADED: DIAMETER: 10 MM; THREAD: M10; LENGTH: 1.65 M; MATERIAL: PLASTIC REINFORCED; OEM P/N: GMN322508P1254, OEM: GE STEAM POWER SERVICE; DRAWING NO: HTGG90410/10 REV P; AIR GAP BAFFLE	EA	150
437	85188	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1 IN; LENGTH: 7 IN; HEAD: HEX; MATERIAL: HTS; THREAD: BSW; NUT	EA	1500
438	85156	BOLT, MACHINE: DIAMETER: 1-1/4 IN; LENGTH: 3-1/2 IN; HEAD: HEX; MATERIAL: HTS; THREAD: BSW	EA	500
439	85148	WASHER, FLAT: NOMINAL SIZE: M20; THICKNESS: 2 MM; MATERIAL: BRASS; GRADE: CZ108 P	EA	4500
440	84670	SCREW, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 150 MM; THREAD: 2.5 MM; HEAD: CSK NIB NECK; MATERIAL: FST GR EN9; NUT QUANTITY: 1; THREAD LENGTH: 60 MM; 35MM DIA X 10MM SHOULDER X 19MM LONG TAPER AT 22 DEGREE, COMPLETE WITH SECURE PIN 6MM DIA X 28MM LONG FITTED 10MM OF CENTRE, FOR USE ON MILL WEAR PLATES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	2500
441	84669	SCREW, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 90 MM; THREAD: 2.5 MM; HEAD: CSK NIB NECK; MATERIAL: FST GR EN9; NUT QUANTITY: 1; THREAD LENGTH: 40 MM; DATA:35 MM DIA X 10 MM SHOULDER X 19 MM LONG TAPER AT 22 DEGREE, COMPLETE WITH SECURE PIN 6 MM DIA X 28 MM LONG, FITTED 10 MM OF CENTRE, FOR USE ON MILL WEAR PLATES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	15500
442	662528	BOLT, MACHINE: DIAMETER: M20; LENGTH: 85 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: METRIC; COLOR: BLACK; THREAD LENGTH: 75 MM; PROTECTIVE COATING: BLACK; TYPE: GENERAL PURPOSE	EA	500

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443	87482	WASHER, FLAT: NOMINAL SIZE: M20; THICKNESS: 2 MM; MATERIAL: BRASS; GRADE: CZ108 P	EA	5500
444	85155	BOLT, MACHINE: DIAMETER: M33; LENGTH: 100 MM; HEAD: HEX; MATERIAL: HTS; THREAD: 3.5 MM; THREAD LENGTH: 54 MM; TAP	EA	2500
445	85081	BOLT, ASSEMBLY: NOMINAL DIAMETER: M24; LENGTH: 300 MM; HEAD: HEX; MATERIAL: STL; THREAD: 3 MM; NUT QUANTITY: 1; FINISHED	EA	150
446	83707	BOLT, MACHINE: DIAMETER: M27; LENGTH: 150 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS	EA	500
447	84642	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M30; LENGTH: 150 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENG	EA	2000
448	85590	BOLT, MACHINE: DIAMETER: M30; LENGTH: 180 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD LENGTH: 75 MM; SPECIFICATION: C.O.C;	EA	25000
449	88862	NUT, HEX: DIAMETER: M27; THREAD: 3 MM; NUT HEIGHT: 22 MM; MATERIAL: STL; TURBINE GENERATOR	EA	150
450	80546	SCREW, SET: NOMINAL THREAD DIAMETER: 5/8 IN; THREAD: BSW; THREAD LENGTH: 1-1/2 IN; HEAD STYLE: HEX; MATERIAL: MS GR 8.8; POINT STYLE: FLAT; SPECIFICATION: BS2470	EA	1500
451	84388	BOLT, ASSEMBLY: NOMINAL DIAMETER: 1/2 IN; LENGTH: 1-1/2 IN; HEAD: HEX; MATERIAL: MS; THREAD: 16BSF; NUT QUANTITY: 1; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; SPECIFICATION: BS1083	EA	700
452	84516	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 100 MM; HEAD: HEX; MATERIAL: MS BRIGHT; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: STL BRIGHT; FINISHED	EA	1200
453	85216	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 108 MM; HEAD: HEX; MATERIAL: HTS GR EN55; THREAD: 2.5 MM; NUT QUANTITY: 1; NYLOCK	EA	150
454	85225	BOLT, ASSEMBLY: NOMINAL DIAMETER: M30; LENGTH: 130 MM; HEAD: HEX; MATERIAL: HTS; THREAD: 3.5 MM; NUT QUANTITY: 1	EA	150
455	87513	WASHER, LOCK: INSIDE DIAMETER: 10.5 MM; OUTSIDE DIAMETER: 15.5 MM; NOMINAL SIZE: M10; MATERIAL: STL; TYPE: SPRING	EA	150
456	87514	WASHER, LOCK: INSIDE DIAMETER: 12.4 MM; OUTSIDE DIAMETER: 17.9 MM; THICKNESS: 2.35 MM; NOMINAL SIZE: M12; MATERIAL: STL; TYPE: HELICAL SPRING, SPLIT; GRADE: 4.6	EA	150
457	87515	WASHER, LOCK: INSIDE DIAMETER: 17 MM; OUTSIDE DIAMETER: 24.3 MM; THICKNESS: 3.6 MM; NOMINAL SIZE: M16; MATERIAL: STL; TYPE: HELICAL SPRING, SPLIT	EA	150
458	90600	NUT, LOCK: DIAMETER: M18; THREAD: 1.5 MM; MATERIAL: STL; SPECIFICATION: DIN 936; REFERENCE NO: 322 774; FOR SIEMENS ACTUATOR M76344-K7337-B932	EA	150

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459	92751	PIN, SPRING: DIAMETER: 30 MM; LENGTH: 1 M; MATERIAL: EN8; TOP PHERIPHERY, COMPLETE WITH BASE PLATE AND NUTS, FOR 13.2 METRE AIR HEATER, BRIGHT ROUND BAR X 1000MM LONG, HOT END THREAD M30 X 140MM X 3.5-6G BS3643 PT2 1981, THREAD TO BE REDUCE TO 29MM, 480MM FROM HOT END 1 HOLE TO BE DRILLED FOR 12MM SELLOCK PIN, COLD END THREAD M24 X 140MM X 36G BS3643 PT2 1981 STANDARD THREAD AND FURTHER RESESSED FOR 177MM, 15MM FROM COLD END 1 HOLE TO BE DRILLED FOR 12MM SELLOCK PIN, NOTE! HOLES FOR SELLOCK PINS MUST BE INLINE FOR INSTALLING PURPOSE, SELLOCK PINS TO BE SUPPLIED WITH SPRING PINS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	150
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3.2.5 DOCUMENTATION SUBMISSION AND RECORDING

The *contractor* shall submit the following documents:

1. Material Specifications Sheets upon each delivery.

3.3 STANDARDS, SPECIFICATIONS AND PROCEDURES

All material and equipment shall be new and of the standard and quality specified. The design and manufacture of equipment and the complete installation shall be carried out and tested in accordance with the latest issue or amendments of the following Standards and Regulations, as applicable:

Table 2: Relevant Standards and Codes

DOCUMENT NUMBER	TITLE
Eskom Standards	
240-30008949	Safety, Health and Environmental Specifications for <i>Contractors</i>
240-55944466	Supplier Contract Quality Requirement's Specification
QM 58	Supplier Contract Quality Requirements
General Standards	
ISO 9001	Quality Management Systems.
OSH Act 85 of 1993	Occupational Health and Safety Act and Regulations Act 85 of 1993.
SABS 135	
SABS 1143	
SABS 432	

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DOCUMENT NUMBER	TITLE
BS 1449	
BS 4360: 1986	
BS 249: 1963	

4. AUTHORISATION

This document has been seen and accepted by:

NAME	DESIGNATION	SIGNATURE
Wonder Nkentshane	System Engineer	
Frederik Viljoen	Senior Supervisor	
John Mokhonto	Manager Maintenance	

5. REVISIONS

DATE	REV.	COMPILER	REMARKS
May 2024	1	France Mabuza	First Revision

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

- France Mabuza
- Wonder Nkentshane
- Frederik Viljoen

7. ACKNOWLEDGEMENTS

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