

UNIT IDENTIFICATION CARD

Ranger DX800
 Serial no. 68786
 Order number/sn

BG01505398
 Equipment main assembly
 DXe80a
 Type code

Component **Code or Value** **Serial no. / Manufact. / Size**

EQUIPMENT

Ordered by **SANDVIK MINING AND CONSTRUCTION
SVERIGE AB**

Customer **Skanska Sverige AB**

Delivery country **SWEDEN**

Ref.no. **SXP20202009**

CIRCUIT DIAGRAMS**HYDRAULICS**

Carrier	551 951 44
Drilling	551 833 88
Tramming	551 833 82
Boom	BG 004 135 13
Radio control	551 833 82
Casette	551 833 84
Winch	551 833 85
Ground support	551 833 86
Extra Turn	551 833 87
Front Jack	-
Main diagram	551 955 89

PNEUMATICS

Powerpack / carrier	BG 003 525 17
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ELECTRICS

Electrical assembly	BG 012 009 80
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ROCK DRILL

HF820T	BG 005 137 66	M047121
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ROTATION MOTOR

OMT 315	154 127 24	N02138538
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FEED		
Feed assembly	BG 005 542 74	
Feed motor	BG 001 196 15	3219286
Type		GM2 420 9HU D47 PIK LUC
Moveable suction head	550 398 42	
Jaws	550 752 15	2" MF ROD
Additional jaws	550 752 14	1 3/4" MF ROD
ROD CHANGER		
RH 714	BG 004 334 47	
POWERPACK		
Engine assembly	BG 011 919 65	
CAT 7.1 168kW StageV	BG 011 393 07	6J601276
Date of manufacturing		05/2020
Engine arrangement		5679820
Starter	BG 009 470 55	438000-3770
Part no.		482-3187
Alternator	BG 002 272 85	20191113
Part no.		352-470006
Aftertreatment assembly	BG 001 736 97	FBH279086B
Part no.		528-8750
Pump electronics tank	BG 002 103 52	PET139194M
Part no.		516-2676
PUMP DRIVE GEARBOX		
Stiebel 4370	551 814 18	806793
HYDRAULIC PUMPS		
Percussion piston pump	BG 002 234 70	36276117 20W23
Rotation piston pump	550 033 41	36276673 20W24
Quadro pump	BG 002 281 72	27/20 66229928/003
WATER COOLER		
Cooler	BG 002 607 42	20200043940072020/5
Cooler fan motor	BG 002 027 12	20F26169
OIL COOLER		
Oil cooler	551 792 52	20200011020082020/3
Cooler fan motor	551 828 03	26/2066229546/005
FUEL COOLERS		
Fuel cooler	551 894 96	20200006280172020/7
Gearbox cooler	551 894 96	20200006280232020/7



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PNEUMATIC COMPONENTS**COMPRESSOR**

Enduro 25	550 675 59	FE025029381
Air receiver	551 905 83	89349 / Batch389 / 2020
Safety valve	BG 003 345 58	05/20

SHANK LUBRICATION

SLU 14L	551 796 12	
Pump unit	551 746 40	56810

TRACKS

Frame assembly	551 002 12	20204
Track chain	551 001 14	ITM
Idler wheels	551 001 18	ITM
Rollers	551 001 17	ITM
Final drive assembly	BG 005 998 66	Rexroth Lohmann GFT 17
Left gear		793000070055
Left motor	887 913 09	15861238 20W13
Right gear		793000070053
Right motor	887 913 09	15861242 20W13

HYDRAULIC VALVES

Drilling valve block	BG 002 199 01	57222
Remote control block	BG	

DUST COLLECTOR

DC 800 H assy	550 680 81	
Dust collector	BG 003 252 52	J021232
Hydraulic motor	858 570 99	202006160621

CABIN

Cabin assembly	BG 012 104 40	4025
Air conditioning	BG 006 258 15	
A/C compressor	BG 002 272 77	00010279108970



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OPTIONAL EQUIPMENT

ANGLE INDICATOR

Spirit level angle indicator	BG	-
TIM 3D	BG 012 194 89	BG 007 312 67
Display unit	BG 006 931 26	001230
I/O Module	551 949 67	0420 1881
Carrier rotation sensor	551 965 19	80741156
Depth sensor	BG 003 739 95	71683291
Feed tilt / swing sensor	551 768 75	0420 0354
Carrier inclination sensor	551 768 11	0420 0356
Aiming unit	551 768 41	0620 742
Boom inclination/base	551 692 65	0420 0362
Boom inclination/head	551 692 65	0420 0360
TIM3D receiver	BG 012 071 53	3650869
Antenna	BG 004 046 54	19470210
Antenna	BG 004 046 51	19470201
Laser receiver	-	-
Laser receiver	-	-

FILLING PUMPS

Electric fuel filling pump	551 952 60	18252973/036
Electric water filling pump	-	-

REMOTE CONTROL SYSTEM

Receiver	BG 004 310 55	727-1924570
Transmitter	BG 004 310 57	727-1924569
Antenna	BG 002 099 22	n/a

WINCH

Winch assembly	551 841 78	
Winch	551 800 04	363489
Hydraulic motor	552 087 33	180913368

HEATER

Fuel heater assembly	BG 002 730 10	121766EG
Watertank heating	-	-

CENTRAL LUBRICATION

Central lubrication system	551 759 12	2020256230/9
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WATER INJECTION		
Water injection system	-	
Water tank	-	
Safety valve	BG	-
TRACKS		
Guides for grousers	551 814 05	
POWER EXTRACTOR		
Power extractor readiness	-	
Power extractor	-	
OTHER		
Radio	BG 013 280 70	
Special seat ISRI	550 103 55	
SanRemo	BG 014 312 79	KQ3000006351
Rod greasing system	550 145 86	
Greasing with 5 gallon bucket	-	
Hydraulic ground support	551 904 20	
Horizontal drilling kit	BG	-
Primary cyclone	552 003 88	
Grinder	-	
Anti freeze system	551 963 11	
Fire Extinguisher	-	
Sampling device	-	
Vacuum cleaner	552 081 15	
Work lights	BG 003 402 81	
Reducer	BG	-
Hose reel		X
Flushing control automatics	237 760 18	
Suction shut down	550 000 51	
Towing hook	550 574 58	
Turnable supersructure 180°		X
Biodegradeable hydraulic oil	-	
Reverse camera	551 759 14	
Display	BG 003 349 57	1910M01331
Camera 1 / 2	550 944 99	1908C00964/1908C00965
Camera 3	550 944 99	1908C00966
Anchor point for operator	BG	-
Outlet of air, front		-
Fast fill, fuel		-
Safety cage	BG 008 621 24	



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FLUIDS (Factory filling)

Diesel engine	Sandvik OE	10W40-LA
Hydraulics	Sandvik OH	46
Compressor oil	Sandvik OC10-H	46
Shank lubrication	Sandvik OS	100
Transfer gearbox	Fuchs Renolin Unisyn CLP	150
Winch	Fuchs Titan Gear HYP LD SAE	80W-90
Track rollers+idler wheels	Fuchs Titan Gear HYP LD SAE	80W-90
Final drives	Fuchs Titan Gear HYP LD SAE	80W-90
Feed gear	Fuchs Titan Gear HYP LD SAE	80W-90
Engine coolant	CAT ELC	
Refridgerant	Isceon R134a	

WELDING / CASTINGS

Boom 3D 800 H	BG 007 294 43	
Base boom	550 407 46	620132/49/2020/51/B
Knee boom	550 419 70	620132/61/2020/57/I
Swing piece	550 141 28	620132/58/2020/73/C
Cradle	550 657 57	620132/45/2020/50/B
Feed rail	550 662 61	611032/RH/2020/22/682
Left track beam	258 800 58	260315/TYT/LP3/2020/46/L
Right track beam	258 799 58	260315/F/T/LP3/2020/46/M
Upper frame	BG 005 713 35	HM/IZ/TK/20/77/335H
Lower frame	551 803 17	HM/VKV/TK/20/68/360/E
Fuel tank	551 918 82	HM/PR/PTKX/20/68/D
Hydraulic tank	551 561 38	HM/MMK/PTKX/20/52/K
Powerpack	BG 011 961 50	HM/TK/NAI/20/34/A



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HYDRAULIC CYLINDERS**UPPER FRAME**

Oscillation left	BG 003 785 76	17/20
Oscillation right	BG 003 785 76	17/20
Rear ground jack	551 638 61	20/20
Frame swing	325 546 78	22/20
Frame extra swing	550 143 29	22/20

BOOM

Boom lift	550 108 68	19/20
Boom knee	325 135 28	25/20
Feed tilt	BG 003 928 75	25/20
Feed swing	550 110 18	27/20
Feed extension	BG 008 224 11	17/19

FEED ASSEMBLY

Suction head transfer	BG 008 415 46	11/20
Collaring guide	550 877 42	46/18
Pito	881 820 49	43/18
Front jack	-	

ROD CHANGER

Lower jaw	BG 005 757 54	16/20
Upper jaw	BG 005 757 54	16/20
Rod feed lower	550 590 61	16/20
Rod feed upper	550 590 61	16/20
Rod transfer lower	550 044 75	13/20
Rod transfer upper	550 044 75	13/20

NOTES

TOTAL WEIGHT	17 600kg
Date	13.10.2020
Inspector	Juho Asunta

