

Boomer BOOM SYSTEMS

STANDARD BOOMS ENGINEERED FOR
LIGHT-TO-HEAVY INDUSTRIES



LIGHT TO MEDIUM DUTY BOOMS FOR MOBILE CRUSHERS

LIGHT DUTY FEATURES

- ▶ Compact and light weight design
- ▶ Maintenance free cylinder bearings
- ▶ Pin lock system
- ▶ 270° slew bearing
- ▶ Internal hydraulic lines

BENEFITS

- ▶ Easy mobile crusher integration
- ▶ Higher machine availability
- ▶ Higher machine availability
- ▶ Wider coverage and service access
- ▶ Damage protection

MEDIUM DUTY ADDITIONAL FEATURES

- ▶ Light duty boom structure
- ▶ Load distribution plates
- ▶ Large diameter pins
- ▶ 3 boom sections, B17/12/12
- ▶ Rock breaking and light raking capability
- ▶ Longer service life
- ▶ Reduced wear and tear
- ▶ Small parking radius and more flexible reach



LIGHT DUTY MODELS	B17/11	B16/12	B16/16
Maximum reach (incl. nominal breaker), m	4.0	4.8	5.2
Horizontal reach, max (breaker vertical), m	2.9	3.1	3.4
Vertical reach, max (incl. nominal breaker), m	1.8	3.2	4.1
Recommended breaker weight, kg	200-400	250-600	250-600
Operating mass, excluding breaker powerpack and control console, kg	1000	1335	1400



MEDIUM DUTY MODELS	B17/12	B17/12/12
Maximum reach (incl. nominal breaker), m	4.6	5.8
Horizontal reach, max (breaker vertical), m	3.1	4.4
Vertical reach, max (incl. nominal breaker), m	2.4	3.7
Recommended breaker weight, kg	300-600	
Operating mass, excluding breaker powerpack and control console, kg	1450	1680

LIGHT TO MEDIUM DUTY BOOMS FOR JAW CRUSHERS

FEATURES

- ▶ Light to medium boom structure
- ▶ Specially designed geometry
- ▶ Maintenance free cylinder bearings
- ▶ Pin lock system
- ▶ 170° cylinder slew
- ▶ Flexible hydraulic lines

BENEFITS

- ▶ Rockbreaking and light to medium raking capabilities
- ▶ Optimized for jaw crushers
- ▶ Higher machine availability
- ▶ Easy maintenance
- ▶ Longer horizontal reach
- ▶ Easy repair



LIGHT DUTY MODELS	B20/14	B20/19	B20/22	B32/19	B32/22	B32/27
Maximum reach (incl. nominal breaker), m	6.0	6.5	6.8	7.7	7.7	8.4
Horizontal reach, max (breaker vertical), m	3.9	4.3	4.6	5.6	5.8	6.2
Vertical reach, max (incl. nominal breaker), m	4.3	4.8	5.1	5.5	5.5	6.3
Recommended breaker weight, kg	400-1000					
Operating mass, excluding breaker powerpack and control console, kg	2500	2550	2600	2650	2700	2750

MEDIUM DUTY MODELS	B26/17+	B35/20+	B35/28+
Maximum reach (incl. nominal breaker), m	6.9	7.9	8.6
Horizontal reach, max (breaker vertical), m	5.0	6.0	6.7
Vertical reach, max (incl. nominal breaker), m	3.2	4.6	5.3
Recommended breaker weight, kg	1000-2000		
Operating mass, excluding breaker powerpack and control console, kg	6300	6830	7130

HEAVY DUTY BOOMS FOR GRYRATORY CRUSHERS

FEATURES

- ▶ Heavy duty boom structure
- ▶ High tensile load distribution plates
- ▶ Large diameter pins
- ▶ Pin lock system
- ▶ 170° cylinder slew
- ▶ 270° slew bearing

BENEFITS

- ▶ Hard rock breaking and heavy raking capability
- ▶ Longer service life
- ▶ Reduced wear and tear
- ▶ Higher machine availability
- ▶ Longer horizontal reach
- ▶ Wider coverage and service access



HEAVY DUTY MODELS - CYLINDER SLEW	B62/32	B62/40	B80/40	B80/60
Maximum reach (incl. nominal breaker), m	12.7	13.4	14.6	17.0
Horizontal reach, max (breaker vertical), m	9.8	10.5	12.2	14.1
Vertical reach, max (incl. nominal breaker), m	9.2	10.0	10.6	13.2
Recommended breaker weight, kg	1500-3500			
Operating mass, excluding breaker powerpack and control console, kg	15100	15500	16500	17500



HEAVY DUTY MODELS - SLEW BEARING	B62/32R	B62/40R	B80/40R	B80/60R
Maximum reach (incl. nominal breaker), m	12.7	13.4	14.6	17.0
Horizontal reach, max (breaker vertical), m	9.8	10.5	12.2	14.1
Vertical reach, max (incl. nominal breaker), m	9.2	10.0	10.6	13.2
Recommended breaker weight, kg	1500-3500			
Operating mass, excluding breaker powerpack and control console, kg	11100	11500	12500	13500

HEAVY DUTY BOOMS FOR GRIZZLY

FEATURES

- ▶ Heavy duty boom structure
- ▶ High tensile load distribution plates
- ▶ Large diameter pins
- ▶ Pin lock system
- ▶ Top mounted tilt-cylinder
- ▶ 170° cylinder slew

BENEFITS

- ▶ Hard rock breaking and heavy raking capability
- ▶ Longer service life
- ▶ Reduced wear and tear
- ▶ Higher machine availability
- ▶ Fly-rock protection
- ▶ Longer horizontal reach



HEAVY DUTY MODELS - CYLINDER SLEW

	B30/20+	B30/30+	B45/30+
Maximum reach (incl. nominal breaker), m	8.0	9.0	10.1
Horizontal reach, max (breaker vertical), m	5.5	6.4	8.0
Vertical reach, max (incl. nominal breaker), m	5.1	6.1	6.5
Recommended breaker weight, kg	1200-2500		
Operating mass, excluding breaker powerpack and control console, kg	7250	7400	7800

EXTREME DUTY BOOMS FOR GRIZZLY

FEATURES

- ▶ Extreme duty boom structure
- ▶ High tensile load distribution plates
- ▶ Large diameter pins
- ▶ Pin lock system
- ▶ Side mounted lift-cylinders
- ▶ Flexibase
- ▶ 270° slew bearing
- ▶ Flexible hydraulic lines

BENEFITS

- ▶ Hard rock breaking and extreme raking capability
- ▶ Longer service life
- ▶ Reduced wear and tear
- ▶ Higher machine availability
- ▶ Raking stabilization
- ▶ Reduced vibration in foundation
- ▶ Wider coverage and service access
- ▶ Easy repair



EXTREME DUTY MODELS - SLEW BEARING

	B27/35R	B35/35R
Maximum reach (incl. nominal breaker), m	7.0	8.7
Horizontal reach, max (breaker vertical), m	5.4	6.5
Vertical reach, max (incl. nominal breaker), m	3.7	4.3
Recommended breaker weight, kg	750-1700	
Operating mass, excluding breaker powerpack and control console, kg	9350	9700

MEDIUM DUTY BOOMS FOR SMALL GRIZZLY

FEATURES

- ▶ Heavy to medium duty boom structure
- ▶ Low profile design
- ▶ Load distribution plates
- ▶ Maintenance free cyclinder bearings
- ▶ 270° slew bearing
- ▶ Internal hydraulic lines

BENEFITS

- ▶ Hard rock breaking and medium raking capability
- ▶ Low headroom
- ▶ Longer service life
- ▶ Higher machine availability
- ▶ Wider coverage and service access
- ▶ Damage protection



MEDIUM DUTY MODELS - SLEW BEARING

B12/20GR

Maximum reach (incl. nominal breaker), m	4.4
Horizontal reach, max (breaker vertical), m	3.4
Vertical reach, max (incl. nominal breaker), m	1.7
Recommended breaker weight, kg	300-500
Operating mass, excluding breaker powerpack and control console, kg	1300

CENTRALISED LUBRICATION

- ▶ Manual centralised lubrication – creates a central point at the base of the boom system to allow lubrication of all pivot pins from a single point.
- ▶ Automatic centralised lubrication – creates a central point at the base of the boom system to allow lubrication of all pivot pins from a single point via an automatic grease pump.

RADIO CONTROL

- ▶ Standard duty – utilises a belt and lightweight controller.
- ▶ Control cable 12m
- ▶ Valve harness 12m

OTHER OPTIONS

- ▶ Oil heater
- ▶ Control chair
- ▶ Power pack hoses 12m
- ▶ Slew limiter kit
- ▶ Boom limiter kit
- ▶ Off-line oil filtering kit

RADIO CONTROL SYSTEM MAIN COMPONENTS AND INTERCONNECTING CABLES



Base Unit



Radio Control Units



Batteries and Charger



Valve harness External

HYDRAULIC POWERPACKS



MODELS	BPP18	BPP30	BPP37	BPP45	BPP55
Weight without oil, kg	800	900	950	1200	1310
Length, mm	1680				
Width, mm	1100				
Height, mm	1890				
Oil tank volume, l	250	250	250	400	400
Hydraulic pump type	Gear				
Oil flow, l/min 1500 rpm (50Hz)	65	90	125	180	220
Oil flow, l/min 1800 rpm (60Hz)	78	108	150	216	264
Motor power, 50Hz	18	30	37	45	55
Motor power, 60Hz	22	36	45	55	66



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