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ROCKBREAKER BOOM SYSTEM





ROCKBREAKER
BOOM SYSTEM

DRIVING INCREASES IN PRODUCTIVITY AND WORK SAFETY

ON CRUSHING LINES IN
QUARRIES

DAVON

MINING AND CONSTRUCTION TECHNOLOGY

ABOUT THE COMPANY

Since its foundation in 1994, DAVON s.r.o. has always been a privately owned Czech company that focuses on the development of its own specialised products for the building and mining industries. First a comprehensive range of hydraulic grabs was developed, followed by a wide range of stationary rockbreaker boom systems, which have gone on to constitute the company's main export today. A comprehensive line of buckets for excavators and loaders was created later. Several single-purpose construction machines were also built according to particular customer requirements. State-of-the-art hardware and software is used for the development of our products. A standardised information system is used for the management of the whole company, from pre-production to dispatch and subsequent warranty and post-warranty servicing.

CERTIFIED PRODUCTION

The company deployed a comprehensive quality management system per the ČSN EN ISO 9001 standard in 2003, gaining certification the following year. The company gained the ČSN EN ISO 3834-2 welding certification in 2012. DAVON also implements management systems compliant with the ČSN EN ISO 14001 environmental management, ČSN OHSAS 18001 occupational health and safety management and ČSN ISO 50001 energy management standards.

All with the objective of meeting the ever-growing demands of our customers and to supply quality, reliable and safe products characterised by a combination of excellent performance and ease of operation.



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COMPANY BRANDS



RK ROCKBREAKER BOOM SYSTEM
For crushing lines in quarries.



GRABS
Grabs in a broad variety of types, variants and sizes.



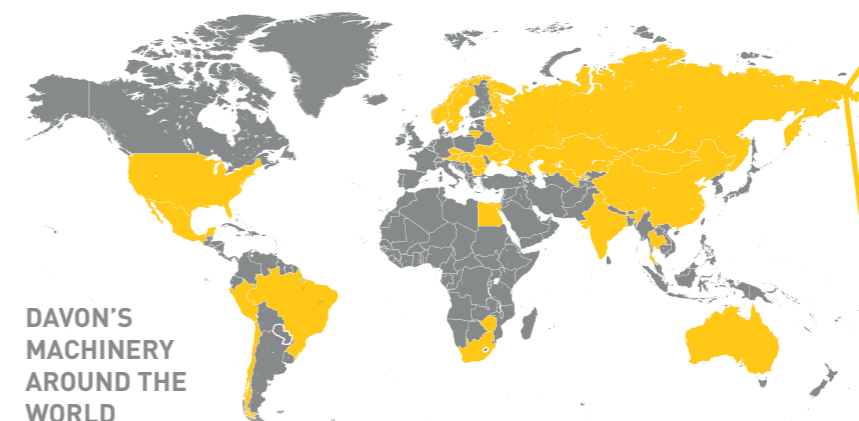
BUCKETS
Production and sales of all types of buckets for nearly all types of construction machinery.



SPECIAL CONSTRUCTION MACHINERY
One-off and custom special construction and mining machinery.



COOPERATION
Custom designed machinery produced to meet specific customer needs.



**DAVON'S
MACHINERY
AROUND THE
WORLD**



**ROCKBREAKER MACHINERY
AROUND THE WORLD**

- 5 continents
- 25 countries
- 228 installations
- 83 of which are in the Czech Republic



ROCKBREAKER
BOOM SYSTEM

DEMAG 50t

DAVON

RK ROCKBREAKER BOOM SYSTEM

DESIGNED TO BREAK STONE, ORE, SLAG,
CONCRETE AND OTHER MATERIALS.

EASY SOLUTION TO RESOLVE LARGE BOULDER
CLOGGING OF PRIMARY CRUSHERS IN MINING
AND ROCK PROCESSING WHILE IMPROVING WORK
SAFETY AND CRUSHING LINE PRODUCTIVITY.

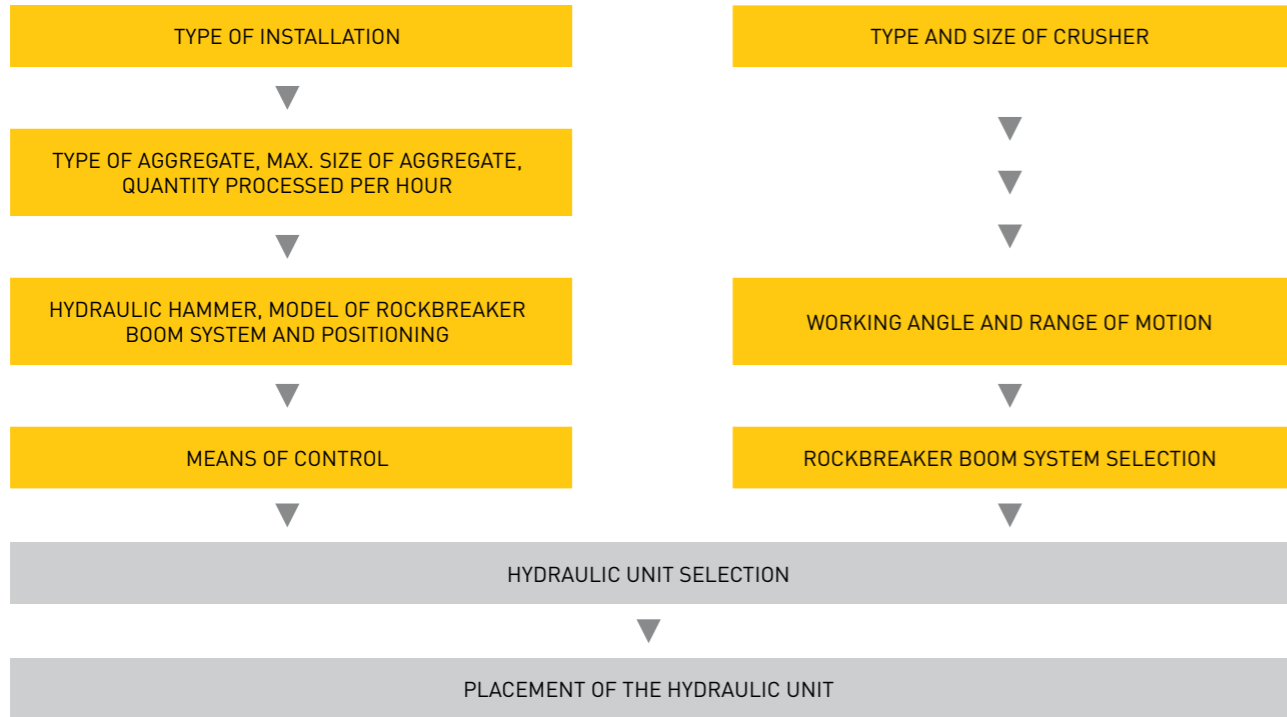
ALSO USED IN PRIMARY CRUSHING ON GRATE
SYSTEMS

- ENSURES THE SMOOTH FLOW OF MATERIALS, IMPROVING PRODUCTIVITY BY REDUCING CRUSHER DOWN-TIME.
- HIGH DEGREE OF OPERATOR SAFETY
- SIMPLE CONTROLS AND MAINTENANCE
- HIGH RELIABILITY
- HIGHLY DURABLE
- BROAD RANGE OF LONG AND DEEP REACH OPTIONS FOR ALL TYPES OF CRUSHING LINES
- PROPRIETARY HIGH OUTPUT OF THE HYDRAULIC POWER UNITS
- SOPHISTICATED CONTROL SYSTEM
- RADIO REMOTE CONTROL OPTION AVAILABLE
- ADAPTABLE TO HYDRAULIC HAMMERS FROM ANY MANUFACTURER
- MODELS AVAILABLE FOR ARCTIC CONDITIONS AT TEMPERATURES DOWN TO -43°C, FOR TROPICAL CONDITIONS, FOR USE AT HIGH ELEVATIONS AND FOR EXPLOSIVE ENVIRONMENTS
- BROAD RANGE OF ACCESSORIES

WE PROVIDE PERSONALISED AND COMPREHENSIVE SOLUTIONS, FROM PROJECT DESIGN, MANUFACTURING AND ON-SITE DELIVERY, TO INSTALATION, COMMISSIONING, AND USER TRAINING.

SELECTING EQUIPMENT

Selecting a suitable type of rockbreaker boom system and accessories is based on the type of crushing line, the type and size of the crusher itself and the type and size of the aggregates being processed.



SEPARATE APPLICATIONS FOR

- mobile crushers
- grates
- jaw crushers
- gyrating crushers

MODEL

- FOR HIGH ELEVATIONS
- ARTIC MODEL FOR LOW TEMPERATURES
- TROPICAL CONDITIONS
- EXPLOSIVE ENVIRONMENTS

SELECTING A SUITABLE ROCKBREAKER BOOM SYSTEM

BY THE "RK ROCKBREAKER BOOM SYSTEM APPLICATION OVERVIEW" TABLE

TYPES OF AGGREGATES

- CONSTANT
- CONTROL

HYDRAULIC HAMMER

We supply hammers from various manufacturers, but Atlas Copco is our preferred and recommended manufacturer.

ACCESSORIES

- Manual central lubrication for RK1 to RK3 classes included as standard
- Automatic central lubrication for RK4 to RK7 classes included as standard; optional for RK1 to RK3 classes
- Remote control
- Radio remote control for RK4 to RK7 classes included as standard
- Operator's cab
- Operator's control station
- GSM router for easy diagnostics and equipment status monitoring
- Programmable PLC controller (Profi bus, Modbus communication, etc.)
- Load-bearing structure (boom)
- Basket for a concrete foundation
- Hammer stand
- Extension
- Hook
- Bucket
- Grab
- Mechanical quick coupler

RK ROCKBREAKER BOOM SYSTEM APPLICATION OVERVIEW

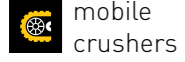
Implement model	Application	Max. horizontal hammer reach (m)	Maximum hammer weight (kg)	Recommended hammer (Epiroc)		Recommended power unit (kW)	
				from	to	from	to
RK1027		3,1	300	SB 102	SB302	HA15	HA18
RK2027		2,7	300	SB 102	SB302	HA15	HA18
RK2030		3,0					
RK2031		3,1					
RK2035		3,5					
RK3027		2,7	720	SB302	SB702	HA18	HA37R
RK3033		3,3					
RK3035		3,5					
RK3036		3,6					
RK3042		4,2					
RK3043		4,3					
RK3052		5,2					
RK3057		5,7					
RK3061		6,1	520	SB552	HA30R		
RK4046		4,6	1200	MB1200	HA37R	HA45R	
RK4057		5,7					
RK4060		6,0					
RK4064		6,4					
RK4069		6,9	1000	MB750	MB1000	HA37R	HA45R
RK4072		7,2					
RK4076		7,6					
RK4089		8,9					
RK4101		10,1	3600	MB1500	HB3600	HA55R	HA132R
RK4046-HD		4,6					
RK4060-HD		6,0					
RK4064-HD		6,4					
RK4069-HD		6,9	2500	MB750	HB2500	HA37R	HA75R
RK4076-HD		7,6					
RK4089-HD		8,9					
RK5050		5,0					
RK5060		6,0	2000	MB750	HB2000	HA37R	HA75R
RK5069		6,9					
RK5085		8,5					
RK5089		8,9					
RK5098		9,8	1700	MB1700	HA55R	HA75R	
RK5108		10,8					
RK6110		11,0					
RK6128		12,8					
RK6130		13,0	2000	MB1700	HB2000	HA55R	HA75R
RK6145		14,5					
RK6151		15,1					
RK6155		15,5					
RK6168		16,8	3100	HB3100	HA110R		
RK6174		17,4					
RK7167		16,7	4300	HB2000	HB4100	HA75R	HA132R
RK7176		17,6					



MODEL DESCRIPTION

This lightweight line is designed for use with mobile crushers. It can handle hammers up to 300 kg and delivers horizontal reach of up to 3.17 m and vertical reach of up to 1.15 m.

APPLICATION

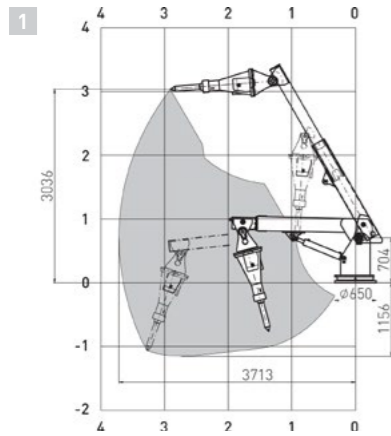


ROTATION

frame rotation 72°

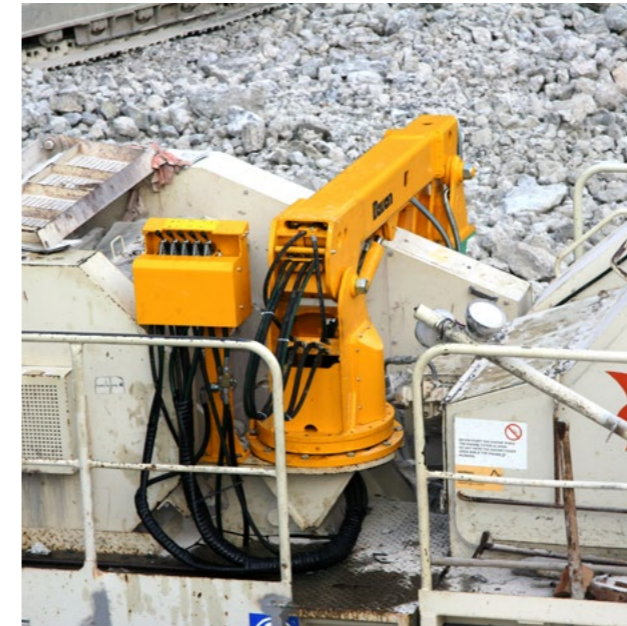
Implement model	Application	Maximum reach [mm]		Weight [kg]	Connecting flange ø [mm]	Max. hammer weight [kg]
		horizontal	vertical			
RK 1027		3 170	1 150	845	650	300

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE





MODEL DESCRIPTION

The RK 2 is a lightweight line specifically for use with mobile crushers, smaller stationary crushers and recycling lines. It can handle hammers up to 300 kg and delivers a perpendicular hammer reach of up to ~3.5 m.

APPLICATION

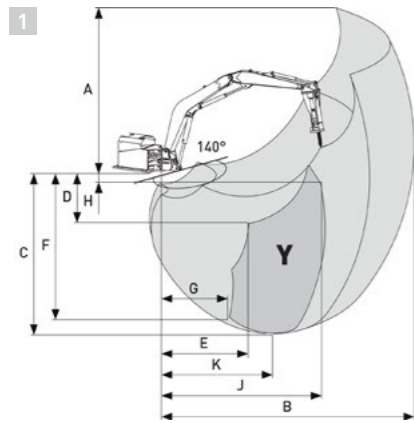
- mobile crushers
- jaw crushers

ROTATION

rotating console, working angle of 140°

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Connect-ing flange [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical						
RK 2027		2 700	2 300	965	1 500	1000	860x800	HA 15	300
RK 2030		3 000	2 300	980	1 800				
RK 2031		3 100	2 700	970	1 500	1500	860x800	HA 15	300
RK 2035		3 500	2 800	1 000	1 800				

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
RK 2027	4,8	4,4	2,3	0,5	1,1	2,2	1,5	1,3	2,7	1,8
RK 2030	5,1	4,7	2,3	0,2	1,2	2,3	1,7	1,2	3,0	2,3
RK 2031	4,6	4,4	2,5	0,6	1,3	2,3	1,1	0,4	3,1	1,8
RK 2035	5,6	5,2	2,8	0,6	1,5	2,7	1,6	1,4	3,5	2,8





MODEL DESCRIPTION

The RK 3 line is specifically for use with stationary crushers in irregular operation. This line is the most widespread in Czech Republic. It feeds crushers that measure approx. 1200 x 1000 mm. It can handle hammers up to approx. 720 kg.

APPLICATION

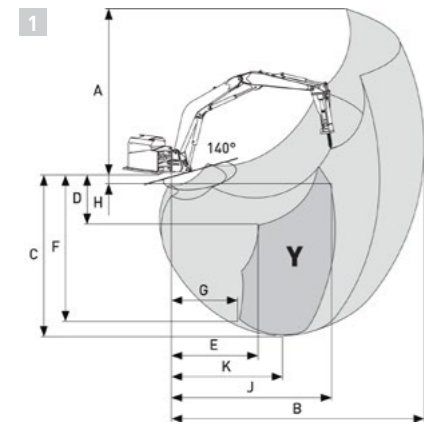
- mobile crushers
- jaw crushers
- grates

ROTATION

rotating console, working angle of 140°

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Connect-ing flange [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical						
RK 3027		2 700	1 800	2 000	1 800	1 000	860x840	HA 30	720
RK 3033		3 300	3 400	1 700	1 900	1 500			
RK 3035		3 500	3 800	1 800	1 800	1 800			
RK 3036		3 600	3 700	1 750	1 900	1 800			
RK 3042		4 200	4 700	2 000	2 600	1 800			
RK 3043		4 300	4 000	2 100	2 600	1 800	1 000x840	HA 30	520
RK 3052		5 200	5 200	2 150	3 200	2 000			
RK 3057		5 700	5 400	2 400	3 600	2 000			
RK 3061		6 100	5 900	2 700	3 600	2 500			
RK 3062		6 200	5 100	2 900	3 800	2 800			

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
RK 3027	4,2	3,9	1,8	1,0	1,1	1,7	1,3	0	2,7	1,9
RK 3033	3,2	4,9	3,4	1,0	1,5	3,2	1,3	1,2	3,3	2,0
RK 3035	3,9	5,5	3,8	1,7	1,3	3,8	1,7	2,6	3,5	2,1
RK 3036	3,2	5,1	3,7	1,4	1,4	3,5	1,1	1,4	3,6	2,0
RK 3042	5,7	6,2	4,7	0,6	1,6	4,7	2,1	2,7	4,2	2,5
RK 3043	5,5	6,3	4,0	0,6	1,7	4,0	2,5	2,2	4,3	3,0
RK 3052	4,8	7,1	5,2	0,8	2,1	5,2	2,9	2,1	5,2	3,2
RK 3057	5,2	7,5	5,4	0,4	2,6	5,4	3,3	2,0	5,7	3,6
RK 3061	5,3	7,9	5,9	0,9	2,7	5,9	3,0	2,3	6,1	3,6
RK 3062	6,0	7,6	5,1	2,0	2,4	4,4	1,6	0,1	6,2	4,2





MODEL DESCRIPTION

The RK 4 line features a more rugged design. It is intended for stationary crushers - even cone crushers. It is also used in underground mines as primary breaking equipment. It is suitable for permanent use as rock breaking equipment for work on the grate. It can handle hammers up to 1200 kg.



APPLICATION

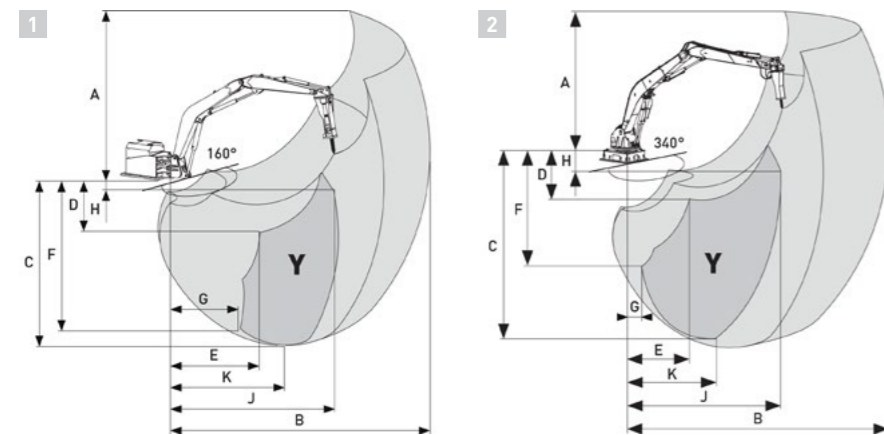


ROTATION

rotating console, working angle of 160°; rotating frame, working angle of 340° with stops

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical					
RK 4046	■ ■	4 600	3 000	4 130	2 600	1 800	HA 45	1 200
RK 4057	■ ■	5 700	3 500	4 380	3 200	2 200		
RK 4060	■ ■	6 000	3 600	4 450	2 850	2 300		
RK 4064	■ ■	6 400	4 700	4 500	3 600	2 500		
RK 4069	■ ■	8 650	4 800	5 050	4 000	3 200		
RK 4072	■ ■	7 200	6 600	4 790	4 100	3 200	HA 37	1 000
RK 4076	■ ■	7 200	5 500	4 500	4 000	4 000		
RK 4089	■ ■	8 900	8 100	5 100	4 600	4 500		
RK 4101	■ ■	10 100	8 900	5 490	5 600	4 800		

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
1 RK 4060-C	7,5	6,9	3,6	0,4	2,2	3,1	2,0	1,4	5,2	3,2
1 RK 4069-C	5,7	8,6	4,8	0,7	3,4	4,5	2,4	1,3	6,9	4,2
2 RK 4046-G	7,3	6,9	3,0	0,7	1,2	2,8	2,3	2,0	4,6	3,2
2 RK 4057-G	8,1	7,9	3,5	0,5	1,4	3,2	2,6	2,3	5,7	3,8
2 RK 4060-G	7,5	7,4	3,5	0,3	2,3	2,2	2,6	2,5	7,3	3,5
2 RK 4064-G	7,8	8,5	4,7	0,4	3,3	4,5	3,0	2,1	6,4	4,1
2 RK 4069-G	5,0	8,9	5,5	1,3	3,7	5,1	3,0	0,6	6,9	4,4
2 RK 4072-G	3,6	9,3	6,6	2,2	3,7	6,3	2,8	1,8	7,2	4,3
2 RK 4076-G	6,6	9,8	6,0	2,3	3,5	4,9	2,4	0,4	7,6	4,0
2 RK 4089-G	4,0	11,0	8,1	3,2	4,3	7,6	2,6	1,5	8,9	4,5
2 RK 4101-G	4,6	12,2	8,9	2,9	5,1	8,4	3,3	1,9	10,1	5,9

APPLICATION



MODEL DESCRIPTION

The RK4-HD line feature a more rugged design. It is intended for permanent use as rock breaking device for work on grates. It can handle hammers up to 3600 kg.

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical					
1 RK 4046 - HD/C	■	4 770	3 200	6 100	2 600	1 800	HA110R	3 600
1 RK 4060.1 - HD/C	■	6 000	4 000	6 100	3 300	2 500		
1 RK 4060.2 - HD/C	■	6 000	5 500	6 100	3 300	2 500		
1 RK 4064 - HD/C	■	6 400	3 800	6 400	3 600	2 500	HA75R	2 500
1 RK4069.1 - HD/C	■	6 900	4 400	6 400	3 900	2 900		
1 RK4069.2 - HD/C	■	6 900	6 100	6 400	3 900	2 900		
1 RK 4089 - HD/C	■	8 900	5 100	7 300	5 000	3 900		
2 RK 4060 - HD/G	■	5 100	2 800	6 500	2 850	2 300	HA110R	3 600
2 RK 4064-HD/G	■	6 000	2 900	6 900	3 600	2 500		
2 RK 4089 HD/G	■	8 600	4 100	7 100	4 600	4 500	HA75R	2 500

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
1 RK 4046 - HD/C	6,2	6,7	3,2	0,3	2,1	3,2	3,5	2,0	4,7	3,5
1 RK 4060.1 - HD/C	5,7	8,2	4,0	-0,3	2,6	3,7	2,5	1,7	6,0	3,8
1 RK 4060.2 - HD/C	5,7	8,2	5,5	-1,6	3,0	5,2	2,3	1,7	6,0	3,6
1 RK 4064-HD/C	8,2	8,3	3,8	0,1	2,6	3,7	2,8	1,6	6,4	4,1
1 RK4069.1 - HD/C	5,7	8,2	4,4	0,0	2,9	4,0	3,0	1,7	6,9	4,6
1 RK4069.2 - HD/C	5,7	8,2	6,1	1,5	3,4	5,7	2,7	1,7	6,9	4,2
1 RK 4089 HD/C	10,0	10,8	5,1	0,5	3,6	1,5	6,1	3,9	8,9	6,1
2 RK 4064-HD/G	7,5	7,1	2,8	0,0	2,2	2,7	2,6	1,0	5,1	2,8
2 RK 4089-HD/G	8,3	8,0	2,9	0,5	2,5	-0,5	4,1	0,9	6,0	3,8
2 RK 4089 HD/G	9,8	10,5	4,1	0,7	3,6	-1,5	2,7	0,8	8,6	5,7





MODEL DESCRIPTION

The RK 5 line is strong and robust. This design permits continuous, three-shift operation for all larger stationary and conical crushers. It is suitable for permanent use as rock breaking equipment for work on the grate. It can handle hammers up to 2000 kg.

APPLICATION

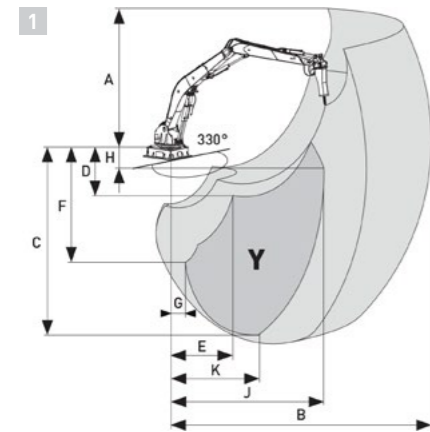
- grates
- gyrating crushers

ROTATION

rotating frame, working angle of 330° with stops

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical					
RK 5050		5 000	4 200	5 800	2 850	2 100	HA 55	2 000
RK 5060		6 000	3 600	5 800	2 850	2 300		
RK 5069		6 900	5 500	7 100	4 000	3 200		
RK 5085		8 500	6 400	7 650	4 800	3 900		1 700
RK 5089		8 900	6 900	8 500	4 800	4 400		
RK 5098		9 800	8 900	10 800	5 700	4 500		
RK 5108		10 800	10 000	11 200	6 000	5 400		

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres										
	A	B	C	D	E	F	G	H	J	K	
1 RK 5050	7,1	7,5	4,2	0,5	2,6	4,1	0,7	2,2	5,0	3,6	
RK 5069	3,5	9,2	5,5	2,1	3,3	2,4	2,3	1,1	6,9	4,1	
RK 5085	4,9	10,9	6,4	2,4	4,5	6,1	2,3	1,0	8,5	5,1	
RK 5098	2,4	12,1	8,9	3,4	4,6	8,5	3,1	1,3	9,8	5,2	
RK 5108	2,1	13,2	10,0	4,1	4,7	7,4	0,7	1,0	10,8	5,5	





MODEL DESCRIPTION

The RK 6 is a super heavy duty line. The robustness of its design makes it the perfect choice for continuous operation and stationary rock breaking with large hydraulic hammers up to 2500 kg.

APPLICATION



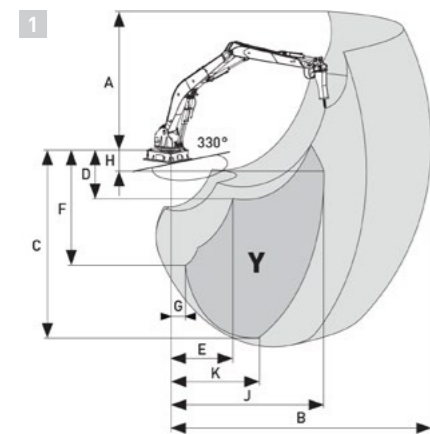
gyrating crushers

ROTATION

rotating frame, working angle of 330° with stops

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Connecting flange [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical						
RK 6110	■	11 100	8 700	22 200	6 600	5 600	2 200 x 2 600	HA 75 R	2 500
RK 6128	■	12 800	9 100	23 000	7 300	6 200			
RK 6130	■	13 000	10 150	23 600	7 500	6 700			
RK 6145	■	14 450	11 320	24 000	8 300	7 400			2 000
RK 6151	■	15 100	10 800	24 350	8 300	8 000			
RK 6155	■	15 550	12 200	24 700	9 300	7 400			
RK 6168	■	16 800	12 800	26 500	10 600	7 400			3 100
RK 6174	■	17 400	13 800	27 300	9 000	8 500			

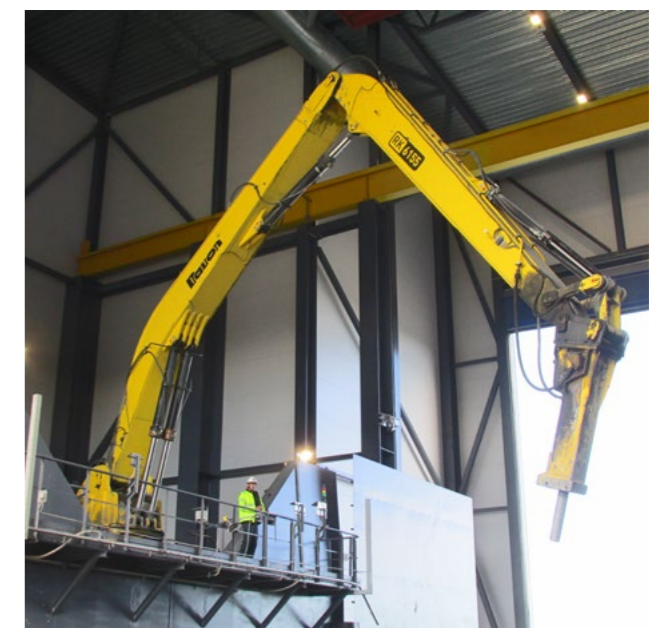
RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
RK 6110	10,0	13,6	8,7	1,3	5,2	8,3	2,9	6,5	11,1	8
RK 6128	11,1	15,0	9,1	0,3	6,6	7,3	3,2	7,4	12,8	10,7
RK 6130	11,1	15,5	10,2	1,5	6,1	7,6	0,6	7,2	13,0	9,6
RK 6145	11,3	17,2	11,5	2,2	6,4	8,0	1,5	7,6	14,1	10,2
RK 6151	11,3	17,2	11,5	2,2	6,4	8,0	2,2	7,6	14,1	10,3
RK 6155	11,3	18,0	12,2	1,6	7,4	9,5	3,0	9,0	15,5	10,6
RK 6168	11,5	19,4	12,8	0,9	8,5	9,9	3,9	0,8	16,8	10,0
RK 6174	14,3	20,0	13,8	3,0	6,5	11,9	2,7	0,9	17,4	8,2

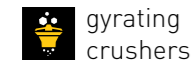




MODEL DESCRIPTION

The RK 7 line is characterised by a massive frame and a strong, robust steel structure with high mechanical resistance and extreme range. It is designed for continuous use in extreme duty conditions for large stationary conical crushers and for work on the grate. It can handle hammers up to 4300 kg.

APPLICATION

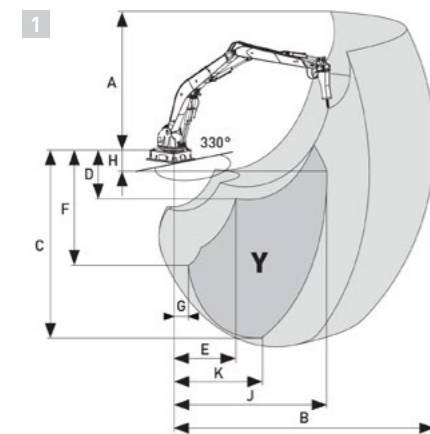


ROTATION

rotating frame, working angle of 330°

Implement model	Application	Maximum reach [mm]		Weight [kg]	Boom [mm]	Arm [mm]	Connect-ing flange [mm]	Standard drive unit	Max. hammer weight [kg]
		horizontal	vertical						
RK 7167		16 700	12 770	29 700	10 800	7 000	2 400 x 2 000	HA 75 R	4 300
RK 7176		17 600	13 500	31 000	10 800	8 000			4 100

RANGE OF MOTION



Vertical range can be increased by up to 1 m by using an extension between the hammer and adapter; custom options available to meet customer specifications and local construction conditions.

Y VERTICAL HAMMER RANGE

Implement model	All dimensions are in metres									
	A	B	C	D	E	F	G	H	J	K
1 RK 7167	13,3	19,5	13,0	3,0	8,6	12,1	4,7	0,6	16,5	11,6
1 RK 7176	13,2	20,2	13,5	0,4	9,0	11,2	3,4	0,8	17,6	12,1





MODEL DESCRIPTION

- Three-phase, asynchronous motor
- 230 V / 400 V Wye configuration 3-phase, 50 Hz
- Output matching type and size of rockbreaker system
- Hydraulic fluid and air filters
- Hydraulic fluid cooler with thermostat
- Heating element with thermostat
- Electric level sensor, pressure gauge
- Electrical switchboard with main switch, contactors, fuses, thermal relays, transformer with rectifier and conditioning capacitors, central stop button
- Motor hour counter
- Hydraulic fluid reservoir with drain valve and emergency thermostat
- Top of the hydraulic unit
- Retaining

CUSTOM OPTIONS

- Pressurised hydraulic fluid reservoir for high altitude use
- Arctic variant for low temperatures down to -43°C
- Body for the hydraulic unit

	Implement model	Height	Width	Lenght	Max Weight	Power rating	Flow	Maximum pressure	Reservoir capacity
		mm	mm	mm	kg	kW	l / min	bar	l
WITH BODY	HA 15	1785	1000	1400	720	15	50	200	250
	HA 18	1785	1000	1400	780	18,5	62	200	250
	HA 22	1785	1000	1400	820	22	70	200	250
	HA 30 R	1785	1000	1400	895	30	100	200	250
	HA 37 R	1785	1000	1400	980	37	120	250	250
	HA 45 R	1785	1000	1800	1150	45	150	320	250
	HA 55 R	2000	1000	1800	1400	55	180	320	350
	HA 75 R	2000	1000	2500	1950	75	250	320	350
	HA 110 R	2000	1000	2500	2200	110	350	320	350
	HA 132 R	2000	1000	2500	2350	132	420	320	400

	Implement model	Height	Width	Lenght	Max Weight	Power rating	Flow	Maximum pressure	Reservoir capacity
		mm	mm	mm	kg	kW	l / min	bar	l
WITHOUT BODY	HA 15	1357	740	1420	410	15	50	200	250
	HA 18	1357	740	1420	650	18,5	62	200	250
	HA 22	1357	740	1420	650	22	70	200	250
	HA 30 R	1374	740	1510	595	30	100	200	250
	HA 37 R	1620	1040	1730	911	37	120	250	250
	HA 45 R	1620	1040	1730	1070	45	150	320	250
	HA 55 R	2133	1040	1890	1550	55	180	320	350
	HA 75 R	2023	1222	2400	1800	75	250	320	350
	HA 110 R	2000	1000	2400	2050	110	350	320	350
	HA 132 R	2000	1000	2400	2200	132	420	320	400



GENERAL DESCRIPTION

- Demolition equipment is delivered with proven Atlas Copco hydraulic hammers as standard. Hydraulic hammers from other manufacturers or without any hydraulic hammer may be delivered upon request.

	Implement model	Service Weight	Flow of hydraulic fluid	Working pressure	Blow frequency
		kg	l / min	bar	min-1
Epiroc	SB 102	87	16-42	100-150	720-2280
	SB 152	140	24-49	100-150	780-1920
	SB 202	200	35-73	100-150	840-1800
	SB 302	304	50-83	100-150	600-1380
	SB 452	441	55-105	100-150	540-1260
	SB 552	520	65-115	100-150	660-1140
	MB 750	750	80-120	140-170	370-840
	MB 1000	1000	85-130	160-180	350-750
	MB 1200	1200	100-140	160-180	340-680
	MB 1500	1500	120-155	160-180	330-680
	MB 1700	1700	130-170	160-180	320-640
	HB 2000	2000	150-190	160-180	300-600
	HB 2500	2500	170-220	160-180	280-550
	HB 3100	3100	210-270	160-180	280-560
HB 3600	3600	240-300	160-180	280-560	
HB 4700	4700	260-340	160-180	280-520	



1.1 AUTOMATIC CENTRAL LUBRICATION

Facilitates automatic lubrication of pin connections in the boom system.



1.2 CONTROL BOX WITH JOYSTICKS

Standard remote controls, the operator's station is connected via a special cable. This permits operation at a safe location with the best view of the rock breaking work.



3.1 CYLINDER COVER

The cover protects the piston rod in a hydraulic cylinder from damage.



4.1 MECHANICAL QUICK COUPLER

The mechanical quick coupler facilitates quick and easy change-out of hydraulic implements for other implements, such as release hooks, buckets, and grabs.



4.2 EXTENSION

The hydraulic hammer extension adapter increases the reach of demolition equipment.



5.1 HYDRAULIC HAMMER

A hydraulic hammer with corresponding parameters. DAVON rockbreaker systems are usually equipped with an Atlas Copco hammer, but may be equipped with any other brand or type of hammer.



5.2 HOOK

Mounted to the boom system instead of the hydraulic hammer. It is used to mechanically separate aggregates. The tip is made of HARDOX steel.



5.3 GRABS

Grabs may be mounted on the boom system of the equipment to handle various materials.



5.4 BUCKETS

Buckets may be mounted on the boom system of the equipment to handle various materials.



6 HYDRAULIC DRIVE UNIT

Drive units for demolition equipment. Models and output are defined based on the hammer in use and the size of the demolition equipment.



7.1 FOOTING BASKET

A steel basket for concreting into foundation structures to anchor a load-bearing column.



7.2 STEEL BOOM

A steel boom of the proper design and height is the perfect support underneath demolition equipment. It may have a walkway and a ladder.



7.3 OPERATOR'S CAB

Various configurations of the operator's cab increase operator comfort, isolating them from harmful external conditions, including noise, dust and high or low temperatures.



7.4 OPERATOR'S SEAT

A comfortable seat with conveniently arranged controls to increase operator comfort.



7.5 REMOTE CONTROL

A remote-control operator's station. This permits operation at a safe location with the best view of the rock breaking work.



7.6 HAMMER STAND

This steel stand is used to stow demolition equipment in a parked position when not in use.



7.7 CONTROL PANEL RACK

A simple rack used to install a control panel.

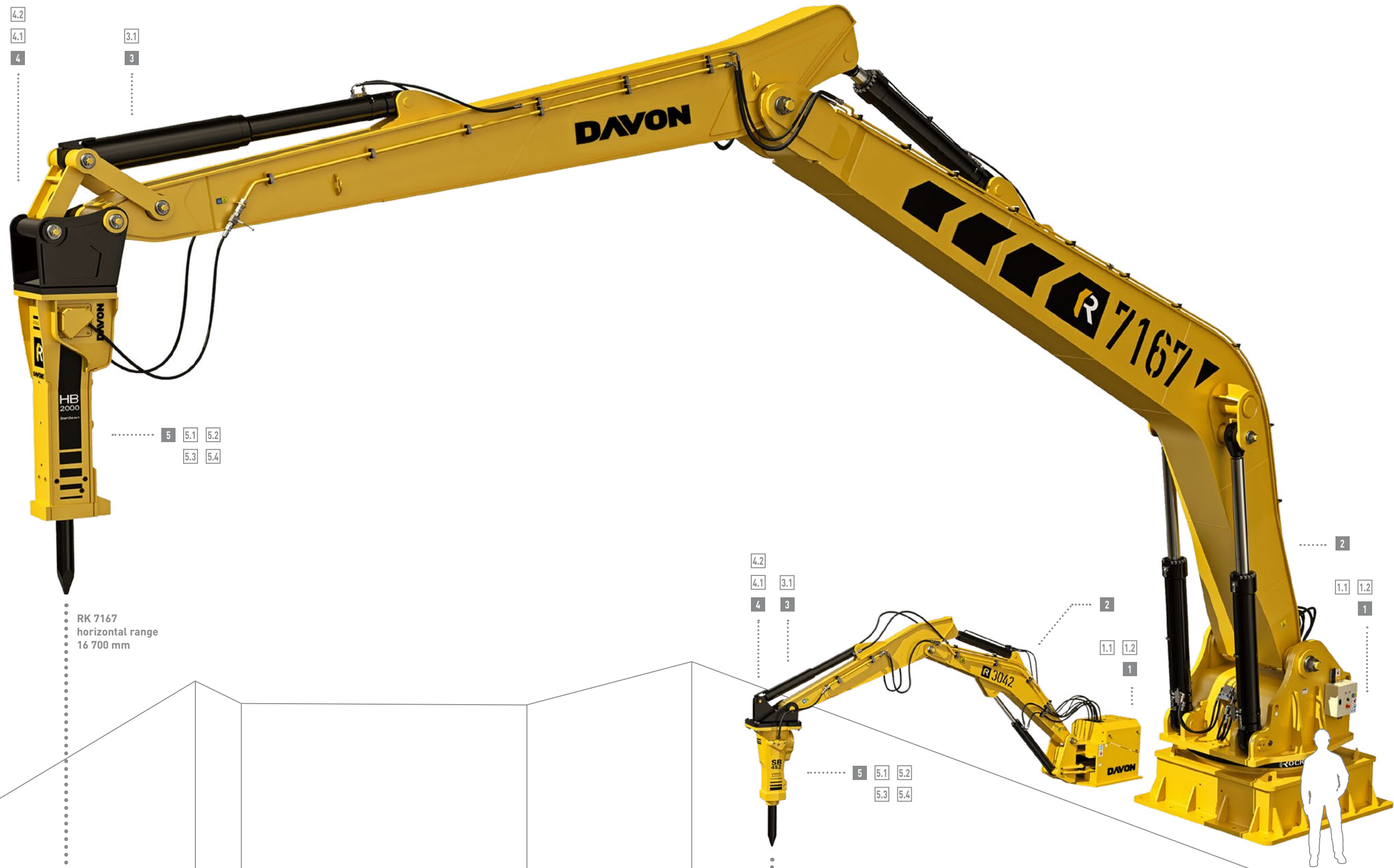


7.8 SUSPENDED CONTROL PANEL HANGER

A simple bracket for the control panel to suspend it from the railing of the crushing line.



- 1 BASIC FRAME**
 - 1.1 AUTOMATIC CENTRAL LUBRICATION
 - 1.2 CONTROL BOX WITH JOYSTICKS
- 2 BOOM**
- 3 ARM**
 - 3.1 CYLINDER COVER
- 4 ADAPTER**
 - 4.1 MECHANICAL QUICK COUPLER
 - 4.2 EXTENSION
- 5 WORK TOOL**
 - 5.1 HYDRAULIC HAMMER
 - 5.2 HOOK
 - 5.3 GRABS
 - 5.4 BUCKETS
- 6 HYDRAULIC DRIVE UNIT**
- 7 OTHER ACCESSORIES**
 - 7.1 FOOTING BASKET
 - 7.2 STEEL BOOM
 - 7.3 OPERATOR'S CAB
 - 7.4 OPERATOR'S SEAT
 - 7.5 REMOTE CONTROL
 - 7.6 HAMMER STAND
 - 7.7 CONTROL PANEL RACK
 - 7.8 SUSPENDED CONTROL PANEL HANGER



The parameters and equipment of each machine are designed on an individual basis to make them best suited to the user's needs as for the particular crushing application, material handling, type and size of the crusher, etc.

The picture only shows the illustration of the options, which may vary depending on the design characteristics of each machine type.

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BOOM SYSTEM



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