

RAMMER 3288E

EXCELLENCE LINE

FACTORY
INSTALLED
RD3 FOR
MYFLEET

RAMVALVE

RAMLUBE II (OPT.)

MEMBRANE TYPE
ACCUMULATOR

DOUBLE TOOL RETAINING
PIN STRUCTURE

FBE (FIXED BLOW ENERGY)

UPGRADED GREASING
FOR TOOL BUSHINGS

VIDAT TIE RODS

EASY IBP ADJUSTMENT

HARD WEAR PLATES

SIMPLE LOWER TOOL
BUSHING ROTATING OR
REPLACEMENT

ACCUMULATOR FILLING
POINT ON SIDE

STROKE SELECTOR

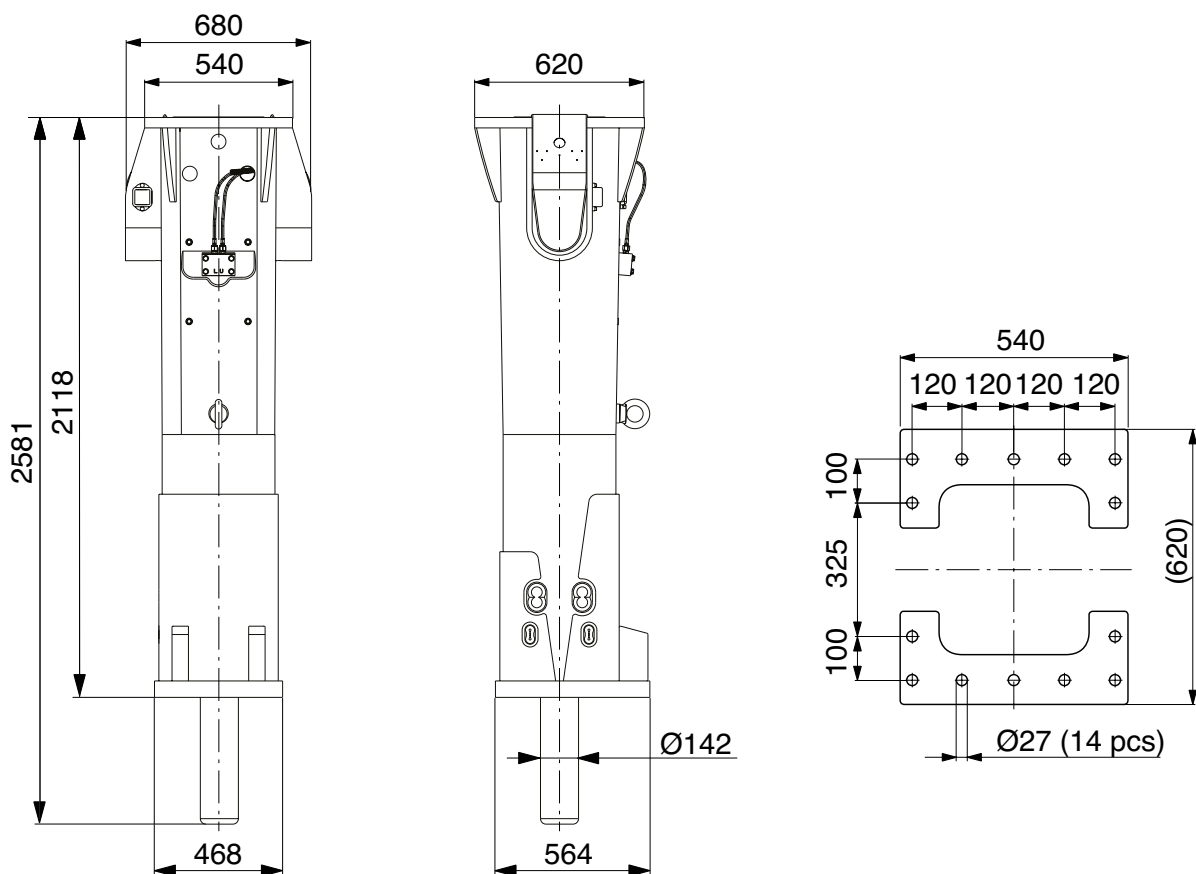
EXCELLENCE LINE HITS SMARTER

The Rammer Excellence Line is a set of state-of-the-art hydraulic hammers for all your rock breaking needs. All Excellence Line hammers now have integrated smart technology for easier fleet management and more efficient processes.

Read more about the product from
www.rammer.com/excellence



**Ram
mer®**



SPECIFICATIONS

| | |
|--|-----------------------|
| Minimum working weight, kg (lb) | 2400-2500 (5290-5510) |
| Impact rate, Long Stroke, bpm | 370-630 |
| Impact rate, Short Stroke, bpm | 460-740 |
| Operating pressure | 150-160 (2175-2320) |
| Pressure relief, min bar (psi) | 220 (3190) |
| Pressure relief, max bar (psi) | 240 (3480) |
| Oil flow range, l/min (gal/min) | 160-250 (42.3-66.0) |
| Back pressure, max bar (psi) | 10 (145) |
| Input power, kW (hp) | 67 (90) |
| Tool diameter, mm (in) | 142 (5.59) |
| Carrier weight, allowed range, t (lb) | 26-42 (57300-88200) |
| Noise level, measured sound power level, LWA, dB | 124 |
| Noise level, guaranteed sound power level, LWA, dB | 128 |

TOOLS

| | |
|------------------|-------------|
| Chisel | Pyramid |
| Hard rock chisel | Blunt |
| Limestone chisel | Super blunt |
| Moil point | |

PARTS

| | |
|---------------|---------------------|
| Service kit 1 | Special tool grease |
| Service kit 2 | Meissel paste |

Sandvik Mining and Construction Oy
 Taivalkatu 8, P.O.Box 165
 FI-15101 Lahti, Finland
 Phone Int. +358 205 44 151
 rammer@sandvik.com
 www.rammer.com

**Ram
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RAMMER 4099E

EXCELLENCE LINE

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MYFLEET

RAMVALVE

RAMLUBE II (OPT.)

MEMBRANE TYPE
ACCUMULATOR

DOUBLE TOOL RETAINING
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STROKE SELECTOR

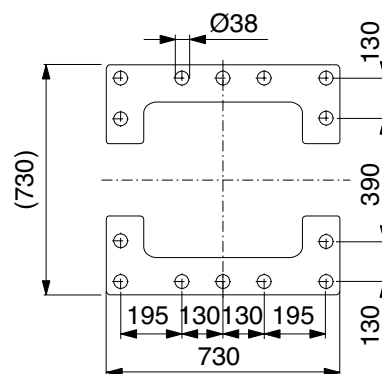
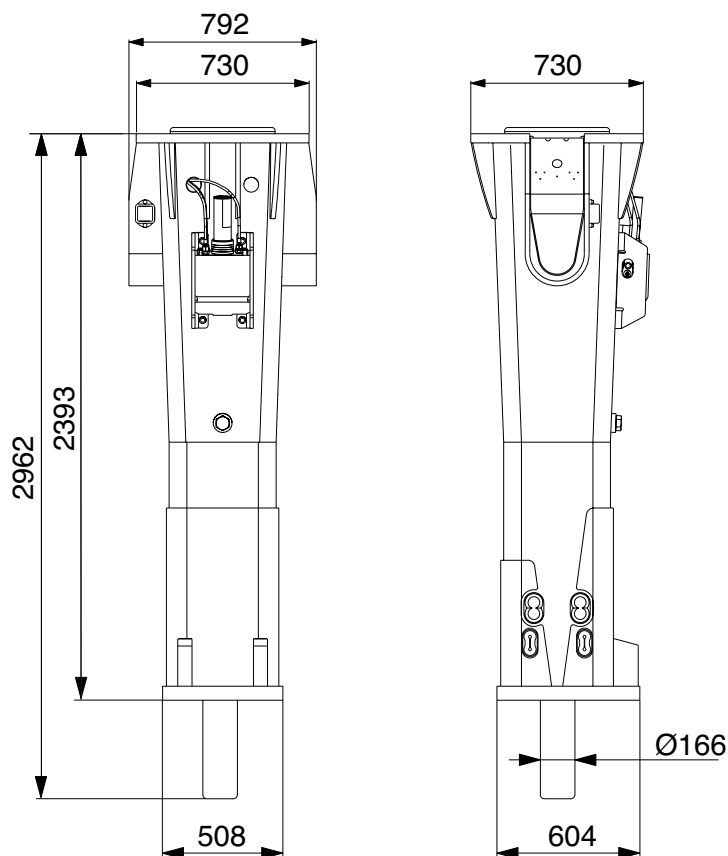
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SPECIFICATIONS

| | |
|--|-----------------------|
| Minimum working weight, kg (lb) | 3380-3540 (7450-7800) |
| Impact rate, Long Stroke, bpm | 400-560 |
| Impact rate, Short Stroke, bpm | 520-700 |
| Operating pressure | 150-160 (2175 - 2320) |
| Pressure relief, min bar (psi) | 210 (3045) |
| Pressure relief, max bar (psi) | 230 (3335) |
| Oil flow range, l/min (gal/min) | 250-350 (66.0-92.5) |
| Back pressure, max bar (psi) | 12 (175) |
| Input power, kW (hp) | 93 (125) |
| Tool diameter, mm (in) | 166 (6.54) |
| Carrier weight, allowed range, t (lb) | 36-55 (75000-121300) |
| Noise level, measured sound power level, LWA, dB | 126 |
| Noise level, guaranteed sound power level, LWA, dB | 130 |

TOOLS

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| Chisel | Pyramid |
| Hard rock chisel | Blunt |
| Limestone chisel | Super blunt |
| Moil point | |

PARTS

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| Service kit 1 | Special tool grease |
| Service kit 2 | Meissel paste |

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 www.rammer.com

**Ram
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RAMMER 5011E

EXCELLENCE LINE

FACTORY
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RD3 FOR
MYFLEET

RAMVALVE

RAMLUBE II (OPT.)

MEMBRANE TYPE
ACCUMULATOR

DOUBLE TOOL RETAINING
PIN STRUCTURE

FBE (FIXED BLOW ENERGY)

UPGRADED GREASING
FOR TOOL BUSHINGS

VIDAT TIE RODS

EASY IBP ADJUSTMENT

HARD WEAR PLATES

SIMPLE LOWER TOOL
BUSHING ROTATING OR
REPLACEMENT

ACCUMULATOR FILLING
POINT ON SIDE

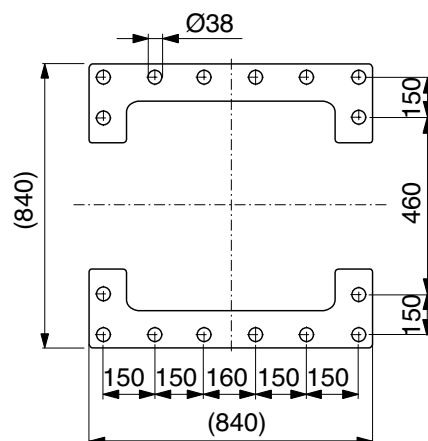
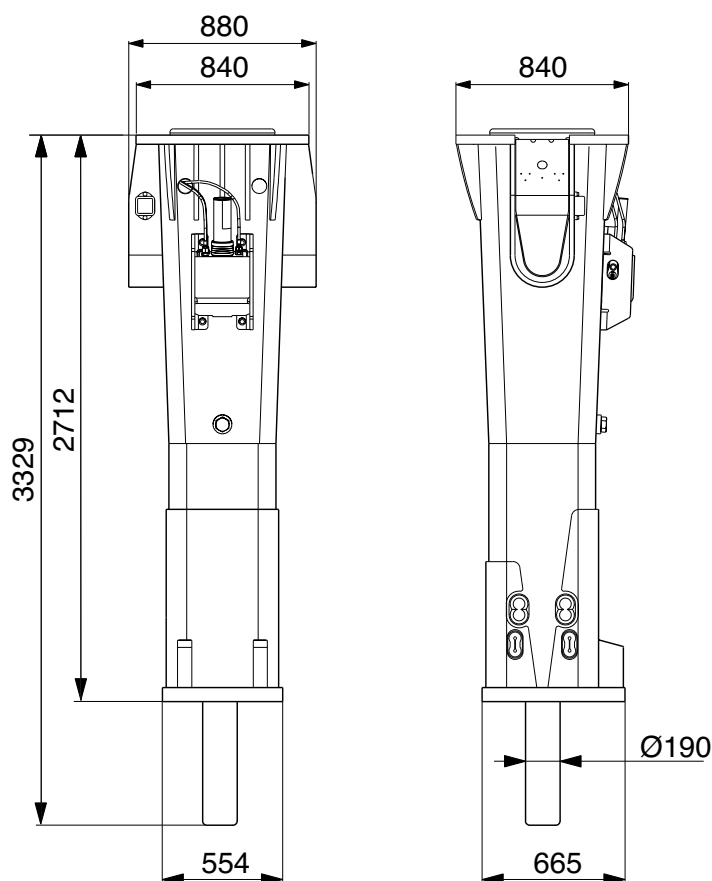
STROKE SELECTOR

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SPECIFICATIONS

| | |
|--|----------------------|
| Minimum working weight, kg (lb) | 4750 (10470) |
| Impact rate, Long Stroke, bpm | 370-530 |
| Impact rate, Short Stroke, bpm | 450-620 |
| Operating pressure | 160-170 (2320-2465) |
| Pressure relief, min bar (psi) | 220 (3190) |
| Pressure relief, max bar (psi) | 230 (3335) |
| Oil flow range, l/min (gal/min) | 280-380 (74.0-100.4) |
| Back pressure, max bar (psi) | 10 (145) |
| Input power, kW (hp) | 108 (145) |
| Tool diameter, mm (in) | 190 (7.48) |
| Carrier weight, allowed range, t (lb) | 43-80 (94800-176400) |
| Noise level, measured sound power level, LWA, dB | 122 |
| Noise level, guaranteed sound power level, LWA, dB | 126 |

TOOLS

| | |
|------------------|-------------|
| Chisel | Pyramid |
| Hard rock chisel | Blunt |
| Limestone chisel | Super blunt |
| Moil point | |

PARTS

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| Service kit 1 | Special tool grease |
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**Ram
mer®**

RAMMER 9033



RAMVALVE OVERFLOW
PROTECTION SYSTEM

PURPOSE MATCHED STROKE
SELECTOR AND IDLE BLOW
PROTECTION (IBP)

RAMLUBE II GREASING DEVICE

RAMDATA II SERVICE INDICATOR

MASSIVE TOOLS FOR
ALL APPLICATIONS

NEW HEAVY DUTY HOUSING

50% **WIDER**
CARRIER RANGE

22% **MORE**
PRODUCTIVITY

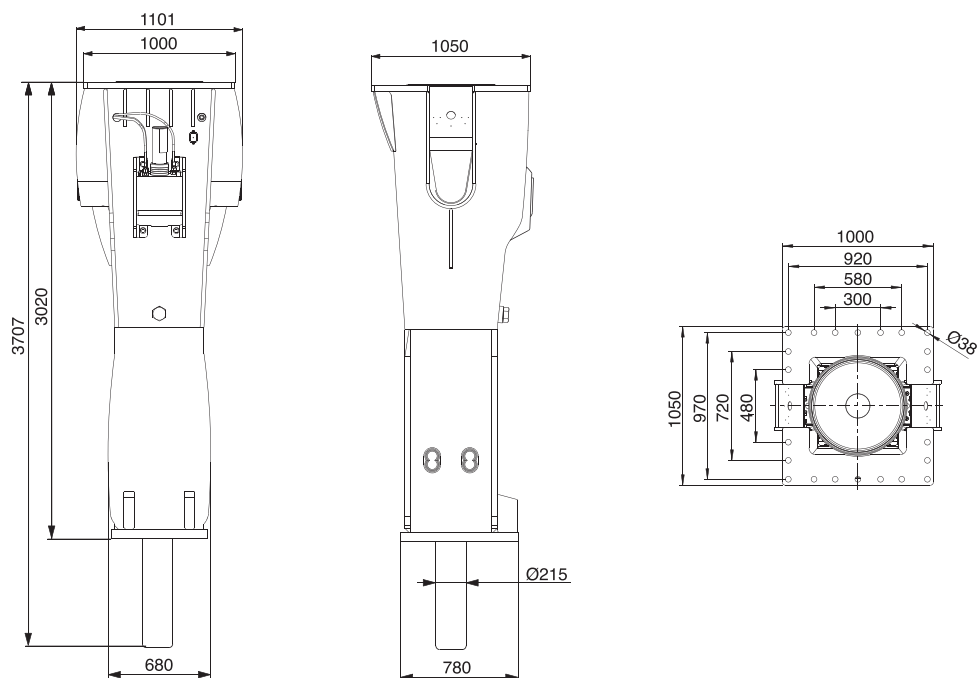
Comparison between Rammer 7013

MAXIMIZE YOUR PRODUCTIVITY

The largest model in Rammer Large Range, new Rammer 9033 unites all the key features for which Rammer hammers are renowned for into one large, powerful, durable and reliable package. Manufactured with a heavy duty housing and a wear resistant lower boot for maximum wear resistance, Rammer 9033 is designed to be easily maintained and reliable, regardless of the application.

Read more about the product from www.rammer.com

**Ram
mer®**

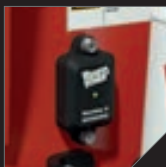


ACCESSORIES



Ramlube II

Lubrication system for optimum wear and impact protection.



Ramdata II

Gives information about service interval status, service history and accumulated working history.

| | |
|--|------------------------|
| Minimum working weight, kg (lb) | 7000 (15430) |
| Impact rate, Long stroke, bpm | 300–520 |
| Impact rate, Short stroke, bpm | 355–645 |
| Operating pressure, bar (psi) | 170–180 (2465–2610) |
| Pressure relief, min bar (psi) | 230 (3335) |
| Pressure relief, max bar (psi) | 240 (3480) |
| Oil flow range, l/min (gal/min) | 360–460 (95.1–121.5) |
| Back pressure, max bar (psi) | 10 (145) |
| Input power, kW (hp) | 138 (185) |
| Tool diameter, mm (in) | 215 (8.46) |
| Carrier weight, allowed range, t (lb) | 60–120 (132280–264600) |
| Noise level, measured sound power level, LWA, dB | 124 |
| Noise level, guaranteed sound power level, LWA, dB | 128 |

TOOLS



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