

ALL THE RAMMER PRO
RANGE HAMMERS ARE
BASED ON THE ORIGINAL,
FIELD PROVEN MODELS
RAMMER 2577, 3288,
4099 AND 5011 AND
SHARE WITH THEM MANY
KEY FEATURES THAT HAVE
ESTABLISHED THOSE UNITS
AS ONE OF THE MOST
POPULAR LARGE HAMMERS
IN THE WORLD. THESE
FEATURES INCLUDE:

- A new operating principle that allows the PRO hammers to be purpose-matched to individual applications and materials using a simple working mode selector located on the breaker.
- An Idle Blow Protector to provide greater levels of protection.
- Long-life, high-tension VIDAT tie rods for improved reliability, extended service periods and lower operating costs.

These standard Rammer features are backed by a range of enhancements that help the PRO hammers to withstand extreme working conditions.

DESIGNED FOR HORIZONTAL WORKING

- Sturdy housing design
- Fully supported power cell
- High resistant wear plates
- Top buffer design
- TS Bushing as a standard



EASY INSTALLATION

- Stump hydraulic hoses on top
- All auxiliary connections on top plate

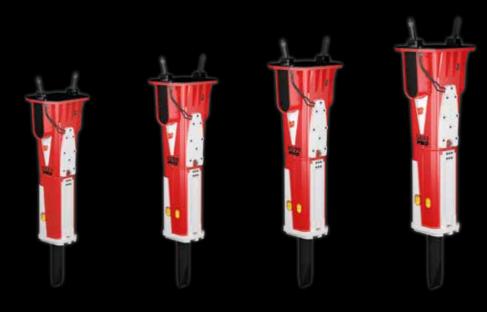
AN EXTREME HAMMER FOR EXTREME APPLICATIONS

When Rammer customers speak, we listen. We recognise that they know their markets, business potential, applications and work demands far better than we could ever hope to.

So, when our customers told us they wanted an extreme hammer for the very toughest of jobs; a model that is designed to work versatile positions, especially horizontally and tackle tunnelling duties in hard rock; a hammer that could withstand high levels of dust; we listened. And then we acted.

Our team of highly experienced designers and engineers harnessed the very latest technology and advanced materials to create a new model that is every bit as innovative as it is tough.

Extreme hammers for extreme applications. Rammer PRO Range hammers comprise all the key features that have made Rammer the world's leading hydraulic hammer brand. But they also incorporate a number of key additions that truly take the Rammer PRO Range to the extreme.

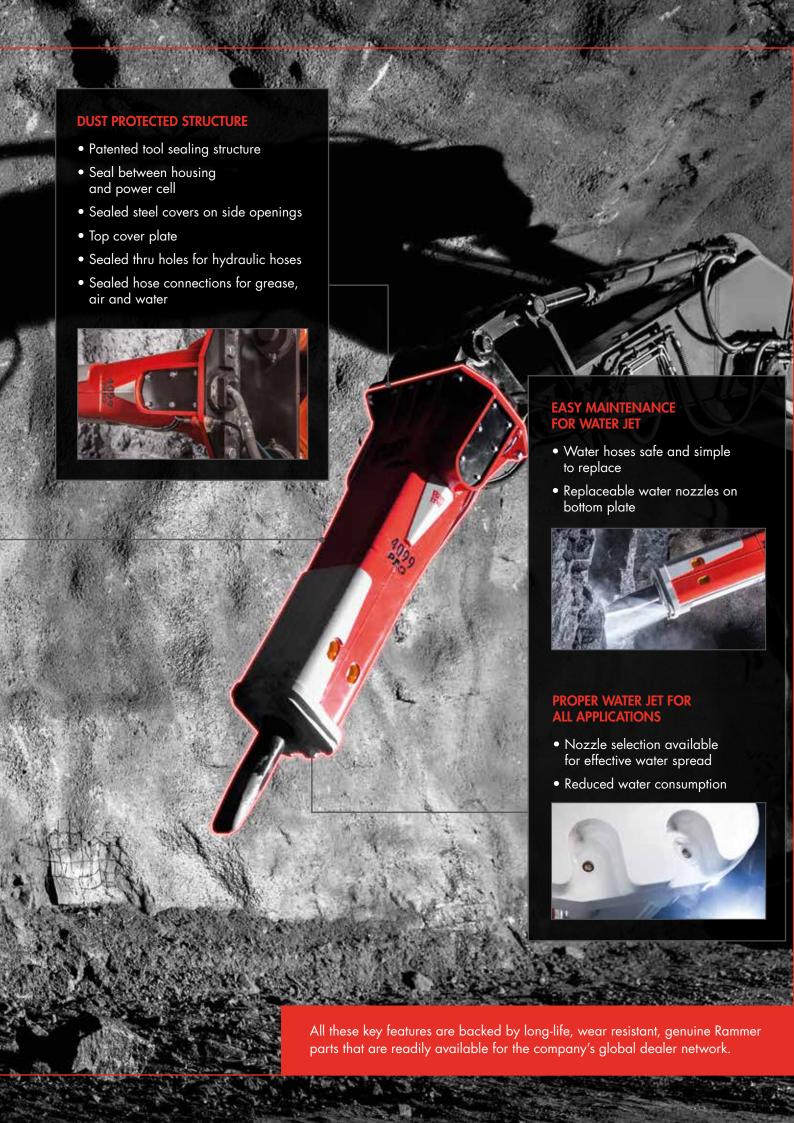


| | 2577 PRO | 3288 PRO | 4099 PRO | 5011 PRO |
|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Minimum working weight, kg (lb) ⁽¹ | 1940 (4280) | 2600 (5730) | 3750 (8270) | 5300 (11680) |
| Carrier weight, allowed range, t (lb) (2 | 23-34 (50700-75000) | 28-45 (61700-99200) | 38-57 (83800–125700) | 46-83 (101400-183000) |
| Impact rate, short stroke, bpm ⁽³ | 450-750 | 320-560 | 540-670 | 450-560 |
| Impact rate, long stroke, bpm ^{[3} | - | 380-630 | 360-560 | 370-480 |
| Operating pressure, bar (psi) [3 | 135-145 (1960-2105) | 135-145 (1960-2105) | 135-145 (1960-2105) | 140-150 (2030-21 <i>7</i> 5) |
| Oil flow range, l/min (gal/min) | 140-200 (37.0-52.8) | 160-230 (42.3-60.8) | 250-320 (66.0-84.5) | 280-340 (74.0-89.8) |
| Input power, kw (hp) | 48 (64) | 56 (75) | 77 (103) | 85 (114) |
| Tool diameter, mm (in) | 135 (5.31) | 142 (5.59) | 166 (6.54) | 190 (7.48) |

¹⁾ Includes average mounting bracket and standard tool.

²⁾ Check carrier's lift capacity from carrier manufacturer.

³⁾ Actual impact frequency depends on oil flow, oil viscosity, temperature and material to be broken.



PRO TOOLS

To match the demands of the extreme applications, Rammer PRO Range hammers are offered with special tools for horizontal primary breaking:

Moil point



Hard rock chisel



Standard chisel



Limestone chisel



2577, 3288, 4099 and 5011 tool types are compatible in other applications.

UNIQUE RAMMER AGW UNIT

For customers working especially in tunneling applications, Rammer has pulled together a full package of auxiliary systems and solutions designed to protect the hammer from the demands of this extreme application, lower owning and operating costs, and to make the Rammer PRO Range hammers toughest breakers in the world. Rammer AGW Unit (AirGreaseWater Unit) comprises the proven Ramair air flush system that prevents potentially harmful dust ingress; the Ramlube I automatic lubrication system to ensure consistent and thorough greasing; and the Rammer Water Jet dust suppression package to minimize the creation of dust during breaking. Hydraulically-actuated and requiring no additional power supply, the AGW Unit is easy and safe to install and maintain and ensures that the Rammer PRO Range hammer are protected and productive throughout their working life.





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