

PB hydraulic breakers

Performance and reliability



The PB series – high performance breakers

The PB series consist of 6 high performance hydraulic breakers from 92–550 kg (200–1,212 lb) and is suitable for mini-excavators, backhoe loaders and skid-steer loaders up to 15 t (33,069 lb). All breakers are characterized by a rugged and reliable design.

PB hydraulic breakers are equipped with a highly effective vibration damping and silencing system as well as efficient wear protection. The advanced design, with low number of moving parts and no tie rods (except PB 530), contributes to the high reliability of the breakers. In addition, easy access to the connection ports and service points minimizes maintenance times and costs.

All PB hydraulic breakers have been developed to make them suitable for a wide variety of applications like road construction, landscaping, excavating and trenching, demolition, secondary breaking, post driving and many others.



Technical data

| Model | Carrier weight class | | Service weight* | | Oil flow rate | | Operating pressure | | Blow frequency | | Working tool diameter | | Useful length of tool | | Part no. |
|---------------|----------------------|---------------|-----------------|-------|---------------|-----------|--------------------|-------------|-------------------|-----|-----------------------|-----|-----------------------|--------------|----------|
| | t | lb | kg | lb | l/min | gpm | bar | psi | min ⁻¹ | bpm | mm | in | mm | in | |
| PB 110 | 1.3–3.0 | 2,867-6,615 | 92 | 200 | 15-35 | 4.0-9.2 | 110-130 | 1,595-1,885 | 560-1700 | 42 | 1.65 | 265 | 10.43 | 8460 0500 16 | |
| PB 160 | 2.1–4.5 | 4,631-9,923 | 145 | 320 | 30-50 | 7.9-13.2 | 110-140 | 1,595-2,030 | 670-1450 | 52 | 2.05 | 320 | 12.60 | 8460 0500 17 | |
| PB 210 | 2.9–6.0 | 6,395-13,230 | 200 | 440 | 35-60 | 9.2-15.9 | 110-140 | 1,595-2,030 | 520-1150 | 62 | 2.44 | 350 | 13.78 | 8460 0500 18 | |
| PB 310 | 4.2–9.0 | 9,261-19,845 | 290 | 640 | 45-75 | 11.9-19.8 | 100-140 | 1,595-2,030 | 530-1150 | 70 | 2.76 | 380 | 14.97 | 8460 0500 19 | |
| PB 420 | 5.2–12.0 | 11,466-26,460 | 360 | 795 | 60-90 | 15.9-23.8 | 120-150 | 1,740-2,175 | 530-1050 | 80 | 3.15 | 415 | 16.34 | 8460 0500 20 | |
| PB 530 | 9.0–15.0 | 19,841-33,069 | 550 | 1,212 | 70-100 | 18.0-26.0 | 120-150 | 1,740-2,175 | 590-1100 | 80 | 3.15 | 390 | 15.35 | 3363 0933 29 | |

*) Breaker, incl. standard chisel and medium size adapter plate.

Tools for every job

Today's hydraulic breakers offer a significantly improved ratio of percussive performance to weight, which in turn imposes far greater loads on all breaker components. The dimensions, material properties and tip geometry of working tools have a major impact on reliability, wear behavior, performance and productivity. Genuine working tools from Atlas Copco are made from a special alloy that has been optimized for hydraulic

breaker applications. A complex heat treatment process and strict quality control at all stages of production in our own facilities guarantee maximum durability. Working tools may look just like a piece of steel, but they are the result of a long and complex development process backed by extensive experience in the field. So do not take any risks. Only genuine working tools will ensure that your Atlas Copco breaker remains the unit that you bought: a reliable, safe production unit good for many millions of impacts.

Working tools

| Model | Tool type | Tool width | | Overall length | | Useful length of tool | | Part no. |
|-----------------|--------------------------|------------|------|----------------|-------|-----------------------|---------------|--------------|
| | | mm | in | mm | in | mm | in | |
| PB 110 | 1 Moil Point | - | - | 425 | 16.73 | 265 | 10.43 | 3363 1100 01 |
| | 1 Moil Point | - | - | 480 | 18.90 | 320 | 12.60 | 3363 1100 06 |
| | 2 Chisel (cross) | 42 | 1.65 | 425 | 16.73 | 265 | 10.43 | 3363 1100 02 |
| | 2 Chisel (cross) | 42 | 1.65 | 480 | 18.90 | 320 | 12.60 | 3363 1100 07 |
| | 3 Blunt tool | - | - | 425 | 16.73 | 265 | 10.43 | 3363 1100 03 |
| | 5 Asphalt cutter (cross) | 100 | 3.94 | 450 | 17.72 | 290 | 11.42 | 3363 1100 05 |
| PB 160 | 1 Moil Point | - | - | 530 | 20.87 | 320 | 12.60 | 3363 1200 01 |
| | 1 Moil Point | - | - | 595 | 23.43 | 385 | 15.16 | 3363 1200 06 |
| | 2 Chisel (cross) | 52 | 2.05 | 530 | 20.87 | 320 | 12.60 | 3363 1200 02 |
| | 2 Chisel (cross) | 52 | 2.05 | 595 | 23.43 | 385 | 15.16 | 3363 1200 07 |
| | 3 Blunt tool | - | - | 530 | 20.87 | 320 | 12.60 | 3363 1200 03 |
| | 5 Asphalt cutter (cross) | 115 | 4.53 | 580 | 22.83 | 370 | 14.57 | 3363 1200 05 |
| PB 210 | 1 Moil Point | - | - | 590 | 23.23 | 350 | 13.78 | 3363 1300 01 |
| | 1 Moil Point | - | - | 665 | 26.18 | 425 | 16.73 | 3363 1300 06 |
| | 2 Chisel (cross) | 62 | 2.44 | 590 | 23.23 | 350 | 13.78 | 3363 1300 02 |
| | 2 Chisel (cross) | 62 | 2.44 | 665 | 26.18 | 425 | 16.73 | 3363 1300 07 |
| | 3 Blunt tool | - | - | 590 | 23.23 | 350 | 13.78 | 3363 1300 03 |
| | 5 Asphalt cutter (cross) | 130 | 5.12 | 650 | 25.59 | 410 | 16.14 | 3363 1300 05 |
| PB 310 | 1 Moil Point | - | - | 665 | 26.18 | 380 | 14.96 | 3363 1400 01 |
| | 1 Moil Point | - | - | 750 | 29.53 | 465 | 18.31 | 3363 1400 06 |
| | 2 Chisel (cross) | 70 | 2.76 | 665 | 26.18 | 380 | 14.96 | 3363 1400 02 |
| | 2 Chisel (cross) | 70 | 2.76 | 750 | 29.53 | 465 | 18.31 | 3363 1400 07 |
| | 3 Blunt tool | - | - | 665 | 26.18 | 380 | 14.96 | 3363 1400 03 |
| | 5 Asphalt cutter (cross) | 150 | 5.91 | 720 | 28.35 | 435 | 17.13 | 3363 1400 05 |
| PB 420 / PB 530 | 1 Moil Point | - | - | 745 | 29.33 | 415 / 390 | 16.34 / 15.35 | 3363 1500 01 |
| | 1 Moil Point | - | - | 840 | 33.07 | 510 / 485 | 20.08 / 19.09 | 3363 1500 06 |
| | 2 Chisel (cross) | 80 | 3.15 | 745 | 29.33 | 415 / 390 | 16.34 / 15.35 | 3363 1500 02 |
| | 2 Chisel (cross) | 80 | 3.15 | 840 | 33.07 | 510 / 485 | 20.08 / 19.09 | 3363 1500 07 |
| | 3 Blunt tool | - | - | 745 | 29.33 | 415 / 390 | 16.34 / 15.35 | 3363 1500 03 |
| | 4 Wide chisel (cross) | 160 | 6.30 | 737 | 29.02 | 405 / 382 | 15.94 / 15.04 | 3363 0690 23 |
| | 5 Asphalt cutter (cross) | 150 | 5.91 | 737 | 29.02 | 405 / 382 | 15.94 / 15.04 | 3363 0690 25 |
| | 5 Asphalt cutter (cross) | 150 | 5.91 | 790 | 31.10 | 460 / 435 | 18.11 / 17.13 | 3363 1500 05 |



1. Moil point



2. Chisel



3. Blunt tool



4. Wide chisel



5. Asphalt cutter



Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

