

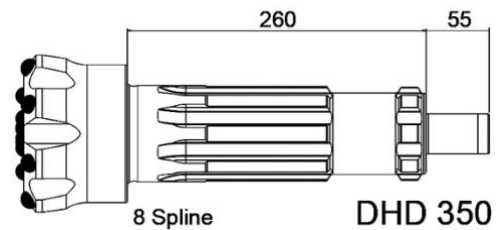
### ADVANTAGE

A high performance DTH hammer for all rock conditions. Heavy duty hammer with a 124mm outer diameter to extend service life in abrasive conditions and is also suitable for water well drilling. Superior designs, built to drill from 140 to 165 mm (5 1/2 " - 6 ") in diameter. orifices and operates at optimal air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500HD hammer is designed to accept button bits with an Ingersoll Rand DHD 350 or ATLAS COPCO / EPIROC COP 54 shank type.

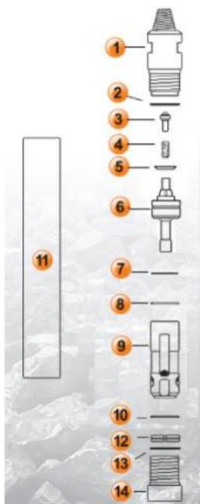
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 65 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 970 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 124 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPTION PART



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | BIT RETAINING RING | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | CHUCK              | OC-14-05 |

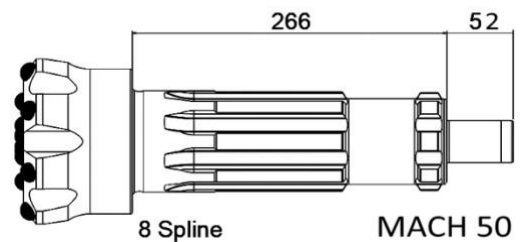
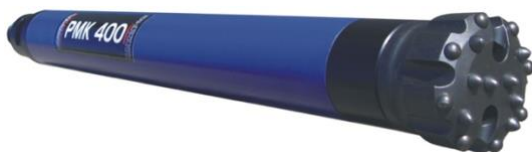
### ADVANTAGE

A high performance DTH hammer for all rock conditions. Heavy duty hammer with a 124mm outer diameter to extend service life in abrasive conditions and is also suitable for water well drilling. Superior designs, built to drill from 140 to 165 mm (5 1/2 " - 6 ") in diameter. orifices and operates at optimal air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500HMH hammer is designed to accept HALCO MACH 50 type shank button bits.

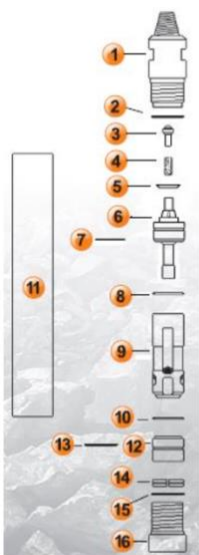
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 65 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 974 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 124 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPTION PART



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | GUIDE BUSH         | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | BIT RETAINING RING | OC-14-05 |
| 15   | O-RING             | OC-15-05 |

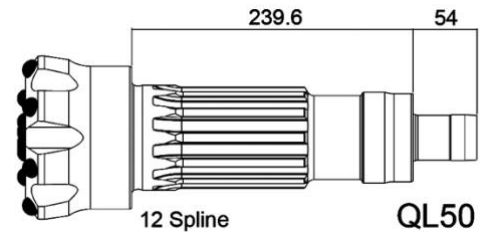
### ADVANTAGE

A high performance DTH hammer for all rock conditions. Heavy duty hammer with a 124mm outer diameter to extend service life in abrasive conditions and is also suitable for water well drilling. Superior designs, built to drill from 140 to 165 mm (5 1/2 " - 6 ") in diameter. orifices and operates at optimal air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500HQ hammer is designed to accept QL50 ATLAS COPCO / EPIROC COP 54 GOLD shank button-type bits.

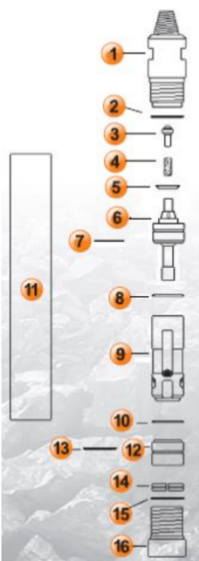
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 65 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 974 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 124 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPCIÓN PARTES



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | GUIDE BUSH         | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | BIT RETAINING RING | OC-14-05 |
| 15   | O-RING             | OC-15-05 |

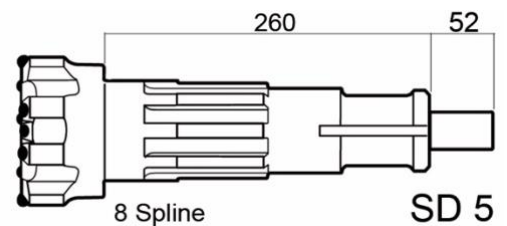
### ADVANTAGE

A high performance DTH hammer for all rock conditions. Heavy duty hammer with a 124mm outer diameter to extend service life in abrasive conditions and is also suitable for water well drilling. Superior designs, built to drill from 140 to 165 mm (5 1/2 " - 6 ") in diameter. orifices and operates at optimal air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500HS hammer is designed to accept Sandvik Mission SD5-type shank button bits.

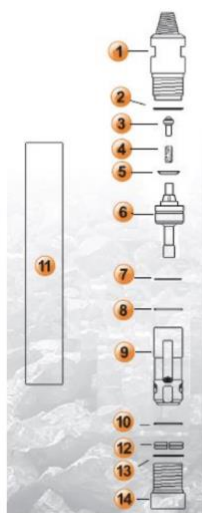
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 65 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 970 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 124 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPTION PART



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | BIT RETAINING RING | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | CHUCK              | OC-14-05 |

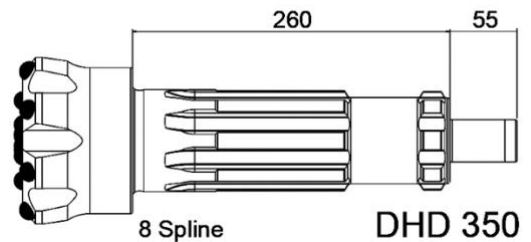
### ADVANTAGE

A high performance DTH hammer for all rock conditions. The hammer with an outer diameter of 118mm is also suitable for water well drilling. Superior designs, built to drill from 130 to 152 mm (5 1/2 " - 6 ") in diameter. orifices and operates at optimal air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500VD hammer is designed to accept Ingersoll Rand DHD 350 or ATLAS COPCO / EPIROC COP 54 shank button bits.

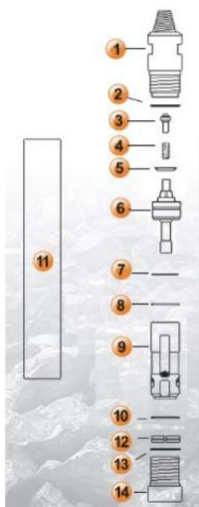
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 62 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 970 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 118 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPTION PART



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | BIT RETAINING RING | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | CHUCK              | OC-14-05 |

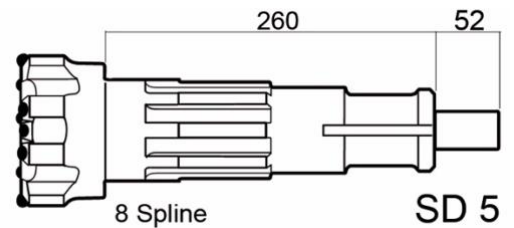
### ADVANTAGE

A high performance DTH hammer for all rock conditions. Hammer with 118 mm diameter outer is also suitable for water well drilling. Superior Designs, built for drilling 130 - 152 mm (5 1/2 " - 6 ") dia. holes and operates at optimum air pressure between 10.5 - 24 bar (150 - 350 psi). The PMK 500VS hammer is designed to accept Button Bits with shank Sandvik Mission SD5 type.

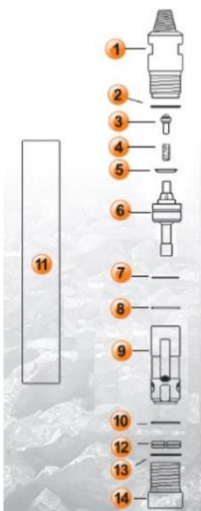
### SPECIFICATIONS

| HAMMER SPECIFICATIONS  |                | AIR CONSUMPTION |      |     |                     |
|------------------------|----------------|-----------------|------|-----|---------------------|
|                        |                | PSI             | BAR  | CFM | M <sup>3</sup> /min |
| WEIGHT                 | 63 Kg          | 150             | 10,3 | 310 | 8,8                 |
| LENGTH                 | 970 mm         | 200             | 13,8 | 421 | 11,8                |
| OUTSIDE DIAM. CYLINDER | 118 mm         | 250             | 17,2 | 530 | 15                  |
| MAX WORKING PRESSURE   | 24 BAR         | 300             | 20,7 | 655 | 18,5                |
| THREAD                 | 3" 1/2 API REG | 350             | 24   | 780 | 22                  |

### TECHNICAL DESIGN



### DESCRIPTION PART



| ITEM | DESCRIPTION        | PART N°  |
|------|--------------------|----------|
| 1    | BACKHEAD           | OC-01-05 |
| 2    | O-RING             | OC-02-05 |
| 3    | N.R. VALVE         | OC-03-05 |
| 4    | N.R.V. SPRING      | OC-04-05 |
| 5    | SPRING B.          | OC-05-05 |
| 6    | AIR DISTRIBUTOR    | OC-06-05 |
| 7    | O-RING             | OC-07-05 |
| 8    | RETAINING RING     | OC-08-05 |
| 9    | PISTON             | OC-09-05 |
| 10   | RETAINING RING     | OC-10-05 |
| 11   | CYLINDER           | OC-11-05 |
| 12   | BIT RETAINING RING | OC-12-05 |
| 13   | O-RING             | OC-13-05 |
| 14   | CHUCK              | OC-14-05 |