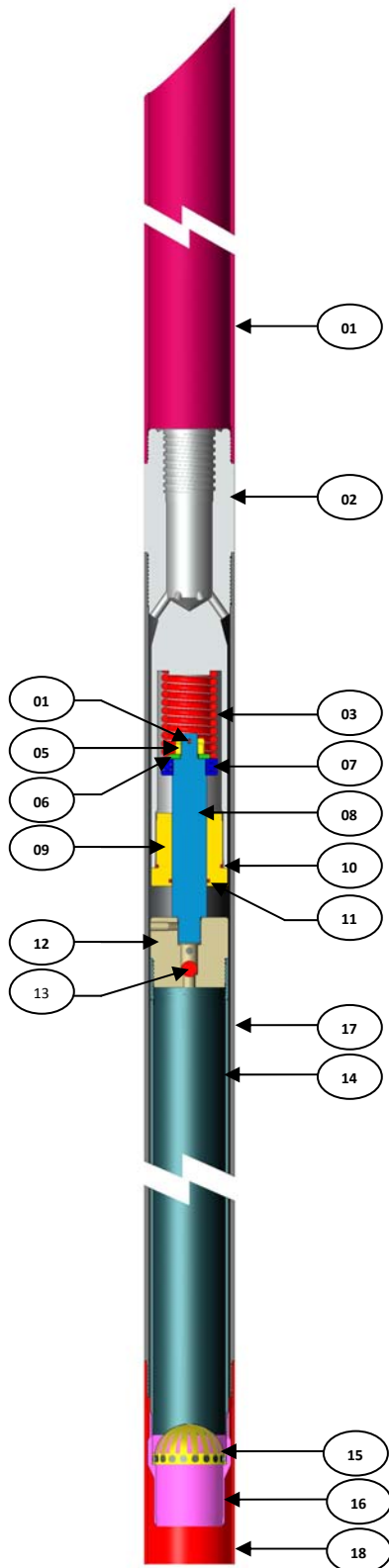


MAZIER CORE BARREL



	ITEM DESCRIPTION	PART NUMBERS
1 -18	MAZIER CORE BARREL	86-00-100
01	SEDIMENTARY TUBE	86-01-001
02	HEAD	86-01-002
03	COMPRESSION SPRING	86-01-003
04	COTTER PIN	86-01-004
05	CASTLE NUT	86-01-005
06	WASHER	86-01-006
07	THRUST BEARING	86-01-007
08	SPINDLE	86-01-008
09	BRASS HOUSING	86-01-009
10	O - RING	86-01-010
11	O - RING	86-01-011
12	INNER TUBE CAP	86-01-012
13	SATINLESS STEEL BALL	86-01-013
14	INNER TUBE	86-03-001
15	CORE LIFTER	86-03-002
16	CORE LIFTER CASE	86-03-003
17	OUTER TUBE	86-02-001
18	THREAD PROTECTOR	86-02-002

THE AUTOMATIC IMAZ CORE BARREL ALLOWS TO TAKE AN UNDISTURBED SAMPLE OF SOIL BY APPLYING PRESSURE.

THE ROTATION INCLUDES A FRICTIONLESS DESIGN TO HAVE A WALL COEFFICIENT CLOSE TO ZERO.

THE AXIAL MOVEMENT OF THE SHOE FROM THE BIT ALLOWS AN ADAPTATION TO THE ENCOUNTERED FORMATION WHICH MIGHT BE OF DIFFERENT HARDNESS AND THIS WITHOUT AFFECTING THE QUALITY OF THE SAMPLING. THE SHOE BEING AHEAD OF THE BIT STOPS THE WATER FROM ERODING THE CORE AND THEREFORE DISTURBING IT.

THIS CORE BARREL CAN BE EQUIPPED WITH A DIAMOND BIT AND A CONICAL CORE LIFTER TO SAMPLE ROCK.

SAMPLED ROCK:
SOFT FORMATION 0.1 MPa TO HARD ROCK 5 MPa.