

# GWS swivel head

## 66 × 50 / 76 × 60 / 86 × 70

### Double Tube Core Barrel with elastic sleeve

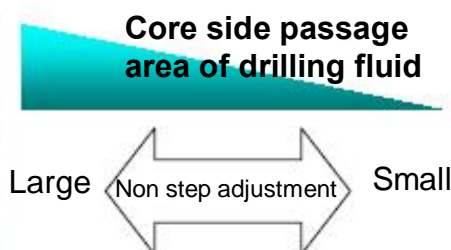
There is no need to use both core barrels depended on hard rock or soft rock formation. The combination of swivel head with fluid passage adjustment mechanism (Patent number 4627505) used in GWS swivel head & Core Barrel and special accessories attached to the top of inner tube allows significant improvement in the core recovery in fault fracture zones, alternate layers of hard and soft formation, and ultra-soft layers, which have been difficult to take core samples.

#### <Main Features>

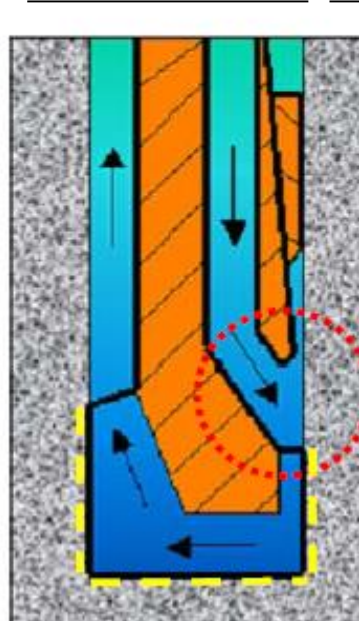
- Ground breaking clearance adjustment mechanism between the inside of bit and the top of inner barrel, core lifter case to control the passage area of drilling fluid easily and surely to the core side, which is the main cause of washing out soft cores, is built into the swivel head portion.
- It can recover various core with the combination of unique diamond bit design and special accessories to the top of inner tube. (Depending on the layer condition, you can use either lifter specification or non-lifter specification.)
- Even on the ultra-soft layer, special basket type lifter (8-3) effectively holds the core, thus prevent partial falling of the core.



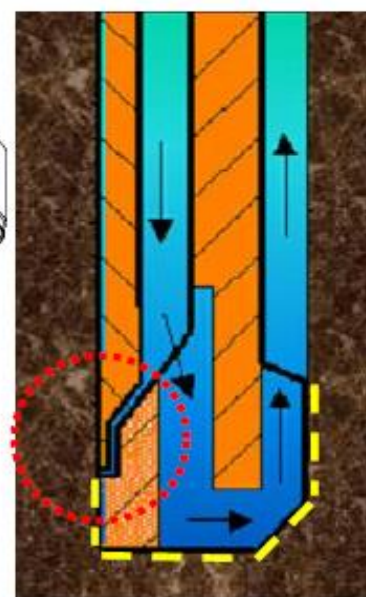
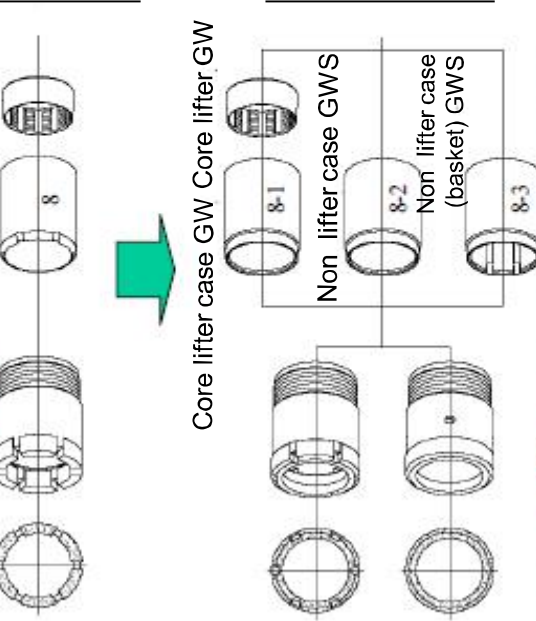
Hard rock formation For GW series



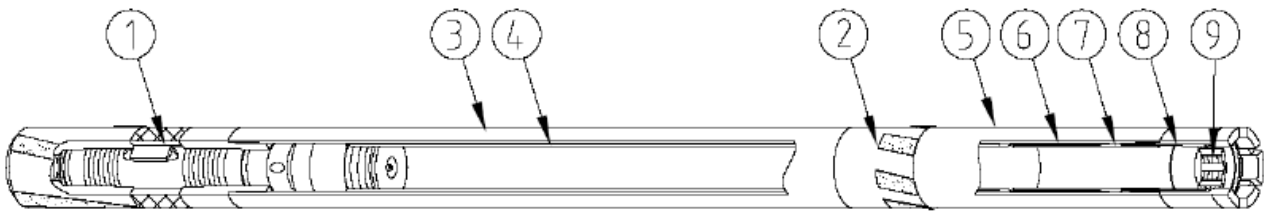
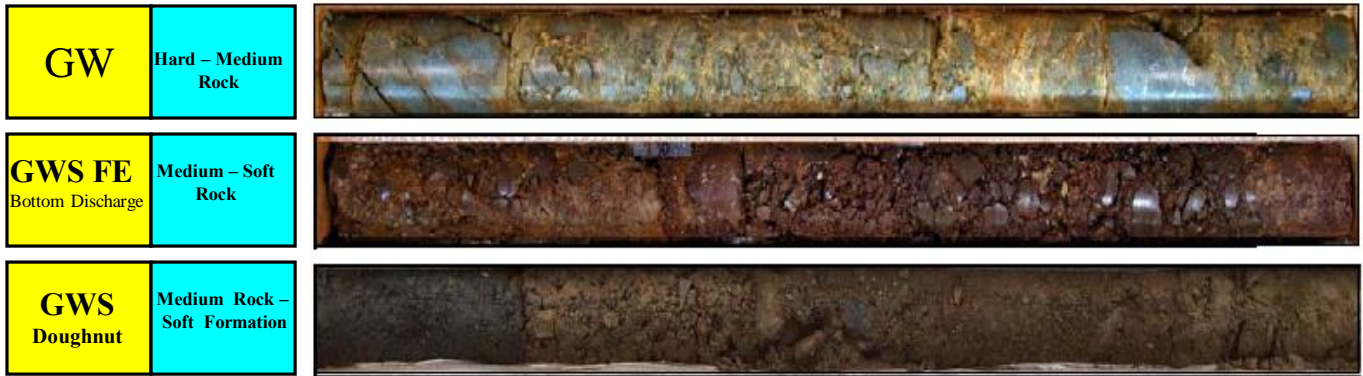
Soft rock formation



Core lifter case GW Core lifter GW



# Core Sample



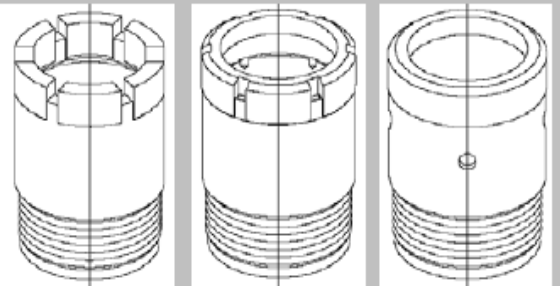
66X50 GWS Core Barrel				
itemize	Std	Option		
	<b>2. 0M</b>	1. 0M	1. 5M	3. 0M
Bit DIA (mm)	66			
Core DIA(mm)	50			
Full LG (mm)	2399	1399	1899	3399
Weight (kg)	23	15	19	31
Thread connection	JIS40. 5			
No	List			
	Core Barrel ASSY			1 set
1	Swivel Head ASSY			1 set
2	Impregnated Reamer			1
3	Outer Tube			1
4	Inner Tube			1
5	Outer Tube sub(Std)			1
OP	Spiral Impregnated Method			
OP	Chrome Plate Method			
6	Sleeve Case			1
7	Inner Extension			1
8	Core lifter Case			1
	8-1			
	8-2			
	8-3			
9	Core Lifter			1
10	Cap (no image)			1

**Option for top of the inner barrel.**  
Hard & Soft alternate layer,  
Soft formations

**Diamond Bit (option)**

**For Hard Rock**

**For Soft Rock**



GW Std

**GWS FE type**  
( Bottom Discharge )

**GWS**  
(with side hole)

K. MAIKAI CO., LTD.



URL <http://www.kmaikai.co.jp>

- Head Office 3F K.U.Bldg, 7-24-4, Nishigotanda Shinagawa-ku, Tokyo 141-0031, Japan, Tel : +81-3-3490-8433, Fax : +81-3-3490-8622
- Tokyo Branch 3F K.U.Bldg, 7-24-4, Nishigotanda Shinagawa-ku, Tokyo 141-0031, Japan, Tel : +81-3-3490-8433, Fax : +81-3-3490-8622
- Fukuoka Branch 1-1-10 Sanno, Hakata-ku, Fukuoka-shi, Fukuoka 812-0015, Japan, Tel : +81-92-436-1886, Fax : +81-92-436-1887
- Sapporo Branch 1F Waseda Bldg, 7-5-18 Sakaedori, Shiraishi-ku, Sapporo-shi, Hokkaido 003-0021, Japan, Tel : +81-11-850-0950, Fax : +81-11-850-0951
- Odate Branch 1-2-80 Shimizu, Odate-shi, Akita 017-0046, Japan, Tel : +81-186-42-1667, Fax : +81-186-42-1673
- ◆ Chiba Factory 1473-1 Nanaiido, Chosei-mura, Chosei-gun, Chiba 299-4333, Japan, Tel : +81-475-30-1001, Fax : +81-475-30-0661