

**2. Required Special Tools for Installation and Testing**

Ref.AHW0653-H03

No.	Description	Quantity
<b>A) Special Tools for Installation</b>		
1	Nylon Sling (2, 3, 5ton) (Option)	— sets
2	Shuckle (2.5 ton) (Option)	— pcs
3	Jack with Toe(5ton) (Option)	— pcs
4	TIR-roller (Transport Work, Max.5ton)	4 pcs
5	Dust Proof Wear	6 pcs
6	Pilot Inspection Mirror	1 pc
7	Pipe Cutter	— pc
8	Dust counter (For clean condition check)	1 set
9	Crimp tool (For AMP Terminal)	1 set
10	Torque Wrench (Open-ended M8, 10, 12, 16, 20,24)	1 set
11	Torque Wrench (Box Type M8, 10, 12, 16, 20,24)	1 set
12	Torque Driver (M6)	2 pcs
13	Crimp Tool (For Wieland Connector)	2 sets
14	Snapping Pliers	1 pc
15	Guide Bolt (M12,M16,M20)	1 set
16	Guide Cap (M16,M20)	1 set
17	Cartridge Gun	2 pcs
18	Pipe Bender	— pc
19	Pipe Soldering tool	— set
20	Extension Bar with Socket Wrench (M10, M12)	1 set
21	Hexagon Socket(M12) (Option)	— pc
22	Hanger (Lifting Tool for Onbase Unit)	1 pc
<b>B) Special Tools for Testing</b>		
1	Rubber Tube (M26-10m, M42-10m)	1 set
2	Tube Joint (M26/M26), (M26/M42), (M42/M42)	1 set
3	Tube Adapter (M26-φ14/22), (M42-φ14/22)	1 set
4	O-Ring (10, 16, 30, #14)for 3-1, 3-2, 3-3 temporally use	1 set
5	Gas Filter (Screen, M26 )	1 pc
6	Vacuum Meter (5~0.025 mmHg, AC100~110V)	1 pc
7	SF6 Gas Leakage Detector (TIF XL-1)	1 pc
8	Hygrometer (Moisturemeter)	1 pc
9	Vacuum Pump (2.2 kW-1500L/min)	1 pc
10	Aluminum Tape (For PDM)	— pcs
11	Fault Locator (For HV Test)	15 pcs
12	Regulator (25MPa-2MPa gage)	1 set
13	Gas Cylinder Hand Cart	1 pc

No.	Description	Quantity	
14	Adapter with Multi-Joint for gas Filling	1	set
15	Pressure Gauge (Class 0.5)	1	pc
16	Joint for Gauge (For No.3-22 Gauge)	1	set
17	Leakage Checker (Soap Water 350g)	3	pcs
18	Buzzer (For Check of Wiring)	1	pc
19	Micro Ohm Meter (0~1.99mΩ at 100A)	1	pc
20	Aux. Transformer for Instrument (100VA)	1	pc
21	Time meter	1	pc
22	Recorder Paper (For Time Meter)	3	pcs
23	Rectifier (Max.30A-150V DC)	1	pc
24	Voltmeter (30/100/300/1000V)	1	pc
25	Ammeter (Clamp Type: AC/DC 30/300A Range)	1	pc
26	Circuit Meter (Tester)	1	pc
27	Multi Meter (Digital Circuit Meter)	1	pc
28	Stop Watch	1	pc
29	AMP Terminal for Site Test Temporally Wiring	1	set
30	Partial Discharge Measurement CD-5 (Option)	—	pc
31	Partial Discharge Measurement ND-1 (Option)	—	pc
32	Sonic Analyzer SA-1B (Option)	—	pc
33	Consumable Parts for Testing	1	set
<b>C) Gas Handling Equipment</b>			
1	Gas Filling and Evacuating plant(DILO)	1	set

### **3. Site HV Test bushing**

**Ref.AHW0653-H04**

No.	Description	Quantity
A) Site HV Test bushing		
1	HV Test bushing (with phase shifter)	1 set
2	HV Test adapter set	1 set