CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

SO-110A

Hand Bor (SQ-110A)

Drilling for soil sampling preparation

Type	Parts Name	Spesification	Qty
SO-111	**Drilling Rod**	Solid bar, 1m length, 1 1/4" dia	10 Pc
SO-112	**Iwan Type Auger**	Welded, two radial blades, 4" dia	1 Pc
SO-113	**Straight Chopping Auger**	Steel bar, hardened tip, 45 mm width	1 Pc
SO-114	**T - Piece**	Welded steel	1 Pc
SO-115	**Tube Adaptor**	Machined steel, with 3 clamping bolts	1 Pc
SO-116	**Turning Rod**	Machined steel,1 1/14" dia, 60 cm length	2 Pc
SO-117	**Sampling Tube**	68 mm dia, 40 cm length, With 3 bolt holes	10 Pc
SO-118	**Rod Head**	Hardened, machined steel, 2 ½"dia.	1 Pc
SO-119	**Paraffin**		2 Kg
SO-120	**Vertical Guide**	Machined steel	1 Pc
GE-739	**Pipe Wrench**	24" length	2 Pc
GE-902	**Hammer**	5 kg weight	1 Pc
GE-920	**Steel Wire Brush**	Wooden Handle	1 Pc

Dimension (l x w x h): 105 x 60 x 60 cm
Gross Weight : 130 kg

Also required, but not part of this set:

SO-140 Sample Extruder
CO-473 Ladle
GE-222 Butane Field Heater
GE-363 Mixing Bowl

SO-130A

Standard Penetration Test (SO-130A)

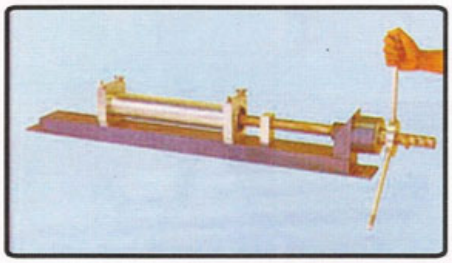
ASTM D-1586 **AASHTO T-206**

For driving a split barrel sampler to obtain a representative soil Sample and measure the soil resistance to penetration.

Type	Parts Name	Spesification	Qty
SO-111	**Split Barrel Sampler**	Hardened machined steel, 1 3/8" i.d., 18" length	1 Set
SO-132	**Sampling Rod**	Steel pipe 1.5 m length	20 Pc
SO-133	**Drive Weight Assembly**		
Consist of :			
SO-133.1	**Hammer**	Steel, 63.5 kg weight	1 Pc
SO-133.2	**Anvil**	Machined steel	1 Pc
SO-133.3	**Guide Rod**	Steel, 76.2 cm drop height	1 Pc
SO-134	**Tripod Assembly**		
Consist of:			
SO-134.1	**Tripod Stand**	Steel pipe	1 Pc
SO-134.2	**Pulley**	20 cm dia	1 Pc
SO-134.3	**Rope**	3/4" dia x 15 m	1 Rol
SO-137	**Vertical Guide**	Machined steel	1 Pc
GE-739	**Pipe Wrench**	24" length	2 Pc

Dimension (l x w x h) : 330 x 60 x 60 cm
Gross Weight : 445 kg

Also required, but not part of this set:
GE-755 Plastic Bag



SO-140

Sample Extruder (SO-140)

For extruding soil specimen from 68 mm sampling tube, welded steel,Screw type, Supplied without sampling tube.

Dimension (l x w x h) : 125 x 15 x 25 cm
Gross Weight : 45 kg

Also required, but not part of this set:

GE-840 **Wire Saw**
GE-380 **Sample Can**

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Sample Extruder (SO-145)

For extruding soil specimen from 68 mm sampling tube, welded steel, Electric, 220 Volt, 750 Watt, 1 Phase, Supplied without sampling tube

Dimension (l x w x h) : 40 x 50 x 130 cm
Gross Weight : 60 kg

Also required, but not part of this set:

GE-380	**Sample Can**
GE-840	**Wire Saw**

SO-145

Dynamic Cone Penetrometer (SO-150A)

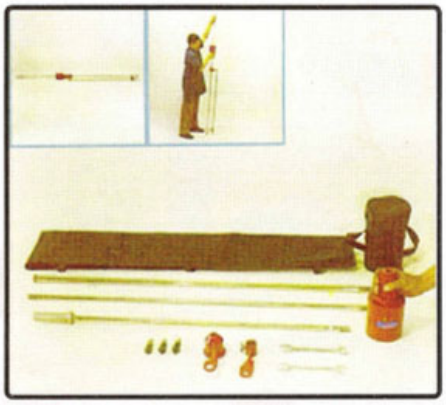
For rapid determination of field CBR value (rapid quality control)

Type	Parts Name	Specification	Qty
SO-151	**Handle**	Stainless steel	1 Pc
SO-152	**Hammer**	Machined Steel,Painted, 8 kg weight	1 Pc
SO-153	**Guide Rod**	Stainless steel, 16 mm dia drop height 575 mm.	1 Pc
SO-154	**Anvil**	Machined steel, welded Painted	1 Pc
SO-155A	**Penetration Rod**	Stainless steel, 16 mm dia 75 cm effective length	1 Pc
SO-156	**Cone**	Hardened tool steel cone Tip, 60° angle, 20 mm dia., Stainless steel adaptor	3 Pc
SO-157A	**Penetration Scale**	Stainless steel, 16 mm dia 75 cm scale.	1 Pc
SO-158	**Carrying Bag**	Water proof cloth	1 Pc
GE-730A	**Open End Wrench**	Vanadium steel -12/13, 14/15	2 Pc

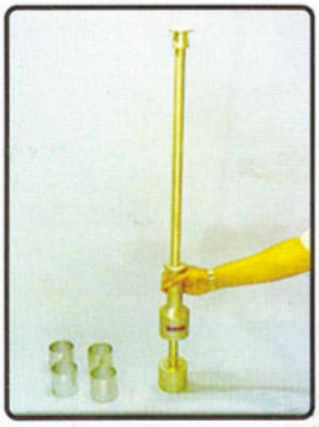
Dimension (l x w x h) : 115 x 20 x 20 cm
Gross Weight : 15 kg

Also required, but not part of this set:

SO-450	**Moisture Content Test Set**



SO-150 A



SO-170

Corps Of Engineer Soil Surface Sampler (SO-170)

ASTM D-2937

For determining soil density in place

.Type	Parts Name	Specification	Qty
SO-171	**Hammer**	Machined steel, galvanized, 10 lbs, sliding weight : 27 1/4" falling height.	1 set
SO-172	**Sampling Tube**	Machined steel, galvanized, 3" o.d.,2-7/8" i.d, 2-13/16" Length	12 Pc

Dimension (l x w x h) : 25 x 25 x 100 cm
Gross Weight : 35 kg

Also required, but not part of this set:

SO-450	**Moisture Content Test Set**
GE-152	**Triple Beam Balance**
GE-711	**Vernier caliper**
GE-840	**Wire Saw**

We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Dutch Cone Penetrometer (SO-200)

ASTM D-3441

For determining cone resistance and friction resistance of soil layers.

Type	Parts Name	Specification	Qty
SO-201	**Press-in Apparatus**	Steel construction, manually operated 2.5 tons Capacity.	1 set
SO-202A	**Sounding Rod**	Machined steel, 36 mm o.d., 1 m effective length, Tappered thread	20 Pc
SO-203	**Plunger Rod**	Round bar, 15 mm dia, 1 m length.	20 Pc
SO-204	**Adaptor**		
Consist of:			
SO-204.1	**Push Adaptor**	Machined steel	1 Pc
SO-204.2	**Pull Adaptor**	Machined steel	1 Pc
SO-205	**Spiral anchor**		
Consist of:			
SO-205.1	**Spiral anchor**	Machined steel, welded 1.5 m length	4 Pc
SO-205.2	**Handle and T-piece**	Machined steel, welded	1 set
SO-206 A	**Mantel cone**	Precision machined steel, hardened tip, tappered, thread 60^{o} angle, 35.7 mm dia.	1 Pc
SO-207 A	**Friction cone**	Precision machined steel, Hardened, with friction Jacket, tappered thread 60^{o} angle,35.7 mm dia.	1 Pc
SO-208	**Wrenches Set**	Pipe wrench (2), Adjustable Wrench (1), spanner wrench (1) allen key (1), screw driver (1), oil can (1), steel brush (1), piston wrench (1), seals tape (2), oil seals (2), steel box (1)	1 set
SO-209	**Fasten Press**	Beam Cannal	
Consist of:			
SO-209.1	**Long Fasten Press**	1.5 m length, 8 cm width	2 Pc
SO-209.2	**Short Fasten Press**	1 m length, 12 cm width	2 Pc
GE-671	**Manometer**	60 kg/cm^2 capacity	1 Pc
GE-673	**Manometer**	250 kg/cm^2 capacity	1 Pc

SO-200

Dimension (l x w x h) : 220 x 120 x 80 cm
Gross Weight : 460 kg

Also required, but not part of this set:

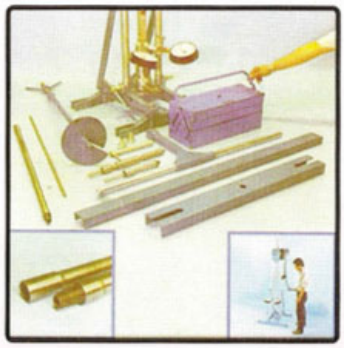
GE-721	**Levels**
GE-748	**Leather Gloves**
GE-897	**Roll Meter**
GE-965	**Hydraulic oil**

Dutch Cone Penetrometer (SO-210)

ASTM D-3441

For determining cone resistance and friction resistance of soil layers.

Type	Parts Name	Specification	Qty
SO-211	**Press-in Apparatus**	Steel construction, Manually operated 5 tons Capacity	1 set
SO-202 A	**Sounding Rod**	Machined steel, 36 mm o.d., 1 m effective length, tappered thread	20 Pc
SO-203	**Plunger Rod**	Round bar, 15 mm dia, 1 m length	20 Pc
SO-204	**Adaptor**		
Consist of:			
SO-204.1	**Push Adaptor**	Machined steel	1 Pc
SO-204.2	**Pull Adaptor**	Machined steel	1 Pc
SO-205	**Spiral anchor**		
Consist of:			
SO-205.1	**Spiral anchor**	Machined steel, welded 1.5 m length	4 Pc
SO-205.2	**Handle and T-piece**	Machined steel, welded	1 set
SO-206 A	**Mantel cone**	Precision machined steel, hardened tip, tappered, thread 60^{o} angle, 35.7 mm dia.	1 Pc
SO-207 A	**Friction cone**	Precision machined steel, Hardened, with friction Jacket, tappered thread 60^{o} angle,35.7 mm dia.	1 Pc
SO-208	**Wrenches Set**	Pipe wrench (2), Adjustable Wrench (1), spanner wrench (1) allen key (1), screw driver (1), oil can (1), steel brush (1), piston wrench (1), seals tape (2), oil seals (2), steel box (1)	1 set
SO-209	**Fasten Press**	Beam Cannal	
Consist of:			
SO-209.1	**Long Fasten Press**	1.8 m length, 12 cm width	2 Pc
SO-209.2	**Short Fasten Press**	1.2 m length, 15 cm width	2 Pc
GE-671	**Manometer**	60 kg/cm^2 capacity	1 Pc
GE-673	**Manometer**	500 kg/cm^2 capacity	1 Pc



SO-210

Dimension (l x w x h) : 220 x 120 x 80 cm
Gross Weight : 500 kg

Also required, but not part of this set:

GE-721	Levels
GE-748	Leather Gloves
GE-897	Roll Meter
GE-965	Hydraulic oil

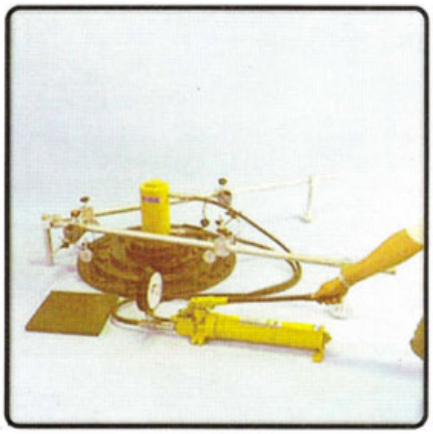
We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Plate Bearing Test Set (SO-250A)

ASTM D-1194 **AASHTO T-235**
For determining ultimate bearing capacity of soil on place by means of field loading test.



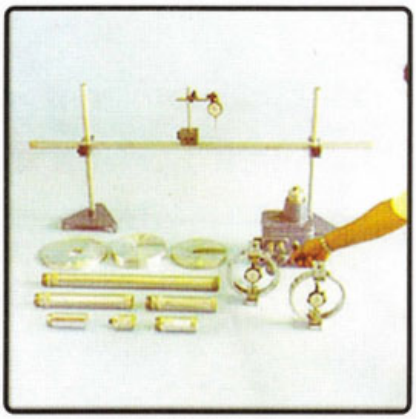
SO-250 A

Type	Parts Name	Specification	Qty
SO-251 A	**Hydraulic Jack**	50 tons capacity, manometer read out, hand operated	
Consist of:			
SO-251.2	**Manometer**	6" dia, 50 tons capacity, 0.5 tons increment	1 Pc
GE-682	**Hydraulic cylinder**	50 tons capacity	1 Pc
GE-691	**Hydraulic hand Pump**	Single action, 10.000 psi Capacity	1 Pc
GE-699	**Hydraulic hose**	10.000 psi, 180 cm length	1 Pc
SO-252	**Reference Beam**	Steel pipe, 2 x 150 cm span	1 Pc
SO-253	**Circular Bearing Plate**	6" dia, machined steel, 1" thick	1 Pc
SO-254	**Circular Bearing Plate**	10" dia, machined steel, 1" thick	1 Pc
SO-255	**Circular Bearing Plate**	12" dia, machined steel, 1" thick	1 Pc
SO-256	**Circular Bearing Plate**	18" dia, machined steel, 1" thick	1 Pc
SO-257	**Circular Bearing Plate**	24" dia, machined steel, 1" thick	1 Pc
SO-258	**Circular Bearing Plate**	30" dia, machined steel, 1" thick	1 Pc
SO-259	**Square Bearing Plate**	12" x 12" machined steel, 1" thick	1 Pc
GE-137	**Dial Indicator**	Range 30 x 0.01 mm	4 Pc
GE-140	**Dial Holder**	Magnetic	4 Pc

Dimension (l x w x h) : 150 x 80 x 80 cm
Gross Weight : 300 kg

Field CBR Test Set (SO-260)

ASTM D-4429
For determining CBR value on place.



SO-260

Type	Parts Name	Specification	Qty
SO-261	**Mechanical jack**	Cast alumunium housing, 5 tons Cap, hand operated, 2 speeds	1 Pc
Consist of:			
SO-261.1	**Mechanical Jack**	5 tons capacity	1 Pc
SO-261.2	**Swivel head**	Cast alumunium	1 Pc
SO-262	**Field Penetration Piston**	Machined steel, galvanized, adjustable height.	
Consist of:			
SO-262.1	**Penetration Piston**	Machined steel, galvanized, 1.954" piston dia.	1 Pc
SO-262.2	**Extension set**	Machined steel, galvanized, 5 cm, 10 cm, 20 cm, 30 cm, and 60 cm, provided with connecting adaptor	1 Set
SO-263	**Reference Beam**	Steel pipe, 150 cm span	1 Set
SO-264	**Circular Surcharge Weight**	Machined steel, galvanized, 10" dia, 10 lbs weight	1 Pc
SO-265	**Slotted Surcharge Weight**	Machined steel, galvanized, 8" dia, 10 lbs weight	1 Pc
SO-266	**Slotted Surcharge Weight**	Machined steel, galvanized, 8.5" dia, 20 lbs weight	1 Pc
GE-101.5	**Proving Ring**	2.000 lbs capacity	1 Set
GE-101.7	**Proving Ring**	10.000 lbs capacity	1 Set
GE-137	**Dial Indicator**	Range 30 x 0.01 mm	1 Pc
GE-140	**Dial Holder**	Magnetic	1 Pc

Dimension (l x w x h) : 140 x 35 x 35 cm
Gross Weight : 75 kg

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

SO-270

Proving Ring Penetrometer (SO-270)

For determining penetration resistance of soil layers.

Type	Parts Name	Specification	Qty
SO-271	**Penetration Rod**	Round bar, 3/4" dia., 51.5cm/ 49 cm length with 5 cm increment line	2 Pc
SO-272	**Penetration Cone**	Machined steel, hardened, plated, 1 sq. In cross section area, 30° angle	2 Pc
SO-273	**Holder**	Alumunium handle	1 Pc
GE-274	**Carrying Case**	Wooden Case	1 Pc
GE-101.1	**Proving Ring**	100 kg capacity	1 set
GE-730 A	**Open End Wrench**	Vanadium steel	2 Pc

Dimension (l x w x h) : 65 x 35 x 20 cm
Gross Weight : 10 kg

Also required, but not part of this set:

SO-450	**Moisture Content Test Set**
GE-390	**Thin Box**

TVA Penetration (SO-280)

Widely used in analyzing soil surface.

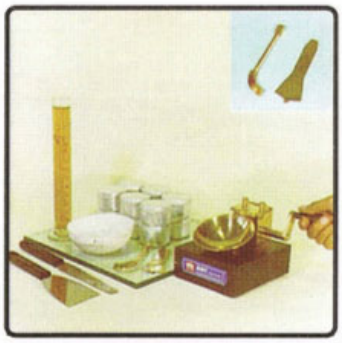
Type	Parts Name	Specification	Qty
SO-281	**Penetration Rod and Chamber**	Steel pipe, 65 cm length with hydraulic chamber	
Consist of:			
SO-281.1	**Penetration Rod**	Round bar, 40 cm length	2 Pc
SO-281.2	**Hydraulic Chamber**	Machined steel, 100 kg cap.	1 Pc
SO-282	**Penetration Needle**	Machined steel, hardened, tip 0.5, 1.0, 2.0, 3.0 sq. cm Cross section area	1 Set
SO-283	**Holder**	Alumunium handle	1 Pc
SO-284	**TVA Manometer**	100 kg capacity	1 Pc
SO-285	**Carrying Case**	Wooden case	1 Pc
GE-730 A	**Open And Wrench**	Vanadium steel	2 Pc

Dimension (l x w x h) : 65 x 35 x 20 cm
Gross Weight: 10 kg

Also required, but not part of this set:

GE-965	Hydraulic oil

SO-280



SO-310

Liquid Limit Test Set (SO-310)

ASTM D-4318 **AASHTO T-89**
For determining liquid limit of soil sample.

Type	Parts Name	Specification	Qty
SO-311	**Liquid Limit Device**	Hand operated, brass cup, hard rubber base	1 set
SO-312	**ASTM Grooving Tool**	Machine steel, head gauge	1 Pc
SO-313	**Cassagrande Grooving Tool**	Brass plate	1 Pc
GE-390	**Thin Box**	Alumunium, 60 gr capacity	12 Pc
GE-396	**Glass Plate**	Glass, 10 mm thick, 30 x 30 cm	1 Pc
GE-402	**Graduated Cylinder**	100 ml capacity	1 Pc
GE-501	**Porcelain Dish**	12 cm dia, 250 ml capacity	1 Pc
GE-820	**Spatula**	150 mm blade	1 Pc
GE-825	**Scraper**	100 mm blade	1 Pc

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 7 kg

Also required, but not part of this set:

SO-450	**Moisture Content Test Set**
AG-232 A	**Sieve no. 40**
AG-250	**Pan & Cover**
GE-511	**Mortar and pastle**

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

SO-311 A

Liquid Limit Device (SO-311A)

ASTM D-4318 **AASHTO T-89**

Hand operated, brass cup, hard rubber base, provided with **counter**

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 7 kg

SO-311 B

Liquid Limit Device (SO-311B)

ASTM D-4318 **AASHTO T-89**

ELECTRIC, 220 V-AC, brass cup, hard rubber base, provide with **counter.**

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 7 kg

SO-315

Plastic Limit Test Test Set (SO-315)

ASTM D-4318 **AASHTO T-90**
For determining plastic limit of soil sample.

Type	Parts Name	Specification	Qty
SO-316	**Plastic Limit Plate**	Glass made	
Consist of :			
SO-316.1	**Reference Rod**	Stainless steel rod, 3.2 mm dia	1 Pc
GE-396	**Glass Plate**	Glass, 10 mm thick, 30 x 30 cm	1 Pc
GE-390	**Thin Box**	Alumunium, 60 gr capacity	12 Pc
GE-402	**Graduated Cylinder**	100 ml capacity	1 Pc
GE-501	**Porcelain Dish**	12 cm dia, 250 ml capacity	1 Pc
GE-820	**Spatula**	150 mm blade	1 Pc
GE-825	**Scraper**	100 mm blade	1 Pc

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 5 kg

Also required, but not part of this set:

SO-450	**Moisture Content Test Set**
AG-232 A	**Sieve no. 40**
AG-250	**Pan & Cover**
GE-511	**Mortar and pastle**
GE-521	**Wash Bottle**

Shrinkage Limit Tes Set (SO-320)

ASTM D-427 **AASHTO T-92**
For determining shrinkage limit of soil sample

Type	Parts Name	Specification	Qty
SO-321	**Prong Plate**	1.6 mm thick hard plastic, 76.2 mm square, 3 stainless Steel needles, 0.8 mm dia., 3.2 mm height.	1 Pc
SO-322	**Monel Shrinkage Dish**	Flat bottom, 44.4 mm i.d., 12.7 mm height	1 Pc
SO-323	**Crystalizing Dish**	Glass made	
Consist of :			
SO-323.1	**Dish**	Glass, 57.2 mm i.d., 12.7 mm height	1 Pc
SO-323.2	**Overflow Dish**	9 cm approx	1 Pc
SO-324	**Mercury**	Bottled	1 kg
GE-396	**Glass Plate**	Glass, 10 mm thick, 30 x 30 cm	1 Pc
GE-402	**Graduated Cylinder**	100 ml capacity	1 Pc
GE-501	**Porcelain Dish**	15 cm dia, 350 ml capacity	1 Pc
GE-820	**Spatula**	150 mm blade	1 Pc
GE-825	**Scraper**	100 mm blade	1 Pc

SO-320

Dimension (l x w x h) : 10 x 10 x 30 cm
Gross Weight : 6 kg

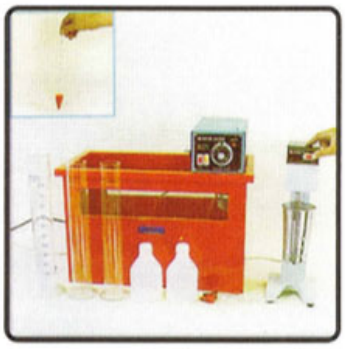
Also required, but not part of this set:

SO-450	**Moisture Content Test Set**
AG-232 A	**Sieve no. 40**
AG-250	**Pan & Cover**
GE-511	**Mortar and pastle**

We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama



SO-330 A

Also required, but not part of this set:

GE-153	Cent O-Gram Balance
GE-174	Drying Oven
GE-363	Mixing Bowl
GE-424	Beaker Glass
GE-452	Desiccator
GE-521	Wash Bottle
GE-700	Stop Watch
GE-747	Rubber Gloves

Hydrometer Analysis Test Set (SO-330A)

ASTM D-422 **AASHTO T-88**
For determining grain size distribution of fine soil sample

Type	Parts Name	Specification	Qty
SO-331	Hydrometer A (152 H)	Glass, stream line, range 0 - 60 gr soil/ltr	1 Pc
SO-332	Hydrometer B (151 H)	Glass, stream line, range 0.995 - 1.038	1 Pc
SO-333	Mechanical Stirrer	Electric, 220 Volt, cast Alumunium frame, 10.000 rpm	1 Pc
SO-334	Dispersion Cup	Stainless steel cup, 3.75" top dia., 2.6" bottom dia. 7" height	1 Pc
SO-335	Hydrometer Jar Bath	Steel sheet, fibre glass coated, temperature control	
Consist of:			
SO-335.1	Bath	Steel sheet fibre glass coated, 60 x 30 x 40 cm	1 Pc
SO-335.2	Water Heater	Electric, range ambient to 40 °C	1 Pc
SO-336	Dispension Agent		
Consist of :			
SO-336.1	Sodium Hexa	Bottled, powder	1 kg
SO-336.2	Water Glass	Bottled, liquid	1 kg
SO-337	Hydrometer Jar	Glass, 1000 ml capacity, 2 ½ " dia. approx	3 Pc
GE-405	Graduate Cylinder	1000 ml capacity	1 Pc
GE-600	Thermometer	Range 0 - 50 °C	1 Pc

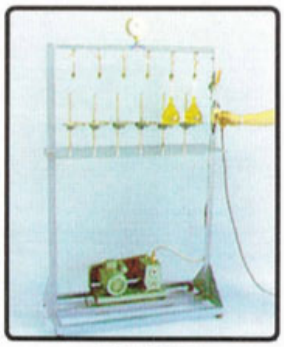
Dimension (l x w x h) : 90 x 50 x 50 cm
Gross Weight : 50 kg

SO-338

Mechanical End Over End Shaker (SO-388)

SO-338
BS-1377
Electric, 220 V/50 Hz/1 Phase, 50 RPM. Supplied complete with 2 glass jar 1000 ml and rubber bungs.

Dimension (l x w x h) : 40 x 60 x 60 cm
Gross Weight : 30 kg



SO-339

Vacuum Stand (SO-339)

To facilitate evacuation of air from soil/fine aggregate in flask.
Welded steel frame, vacuum valve, adjustable platen height, provide with vacuum gauge, 6 flasks capacity, Supplied complete with vacuum pump and flasks.
Dimension (l x w x h) : 120 x 70 x 160 cm
Gross Weight : 80 kg

SO-340

Also required, but not part of this set:

AG-218 A	Sieve no. 4
AG-250	Pan & Cover
GE-153	Cent O-Gram Balance
GE-174	Drying Oven
GE-452	Desiccator
GE-749	Asbestos gloves

Specific Grafity - Heating Method (SO-340)

ASTM D-854 **AASHTO T-100**
For determining specific gravity of soil sample.

Type	Parts Name	Specification	Qty
GE-191	Hot Plate	Electric, 220 Volt	1 Pc
GE-237	Asbestos Wire Gauze	15 cm x 15 cm	1 Pc
GE-363	Mixing Bowl	Stainless steel, 250 mm dia.	1 Pc
GE-441	Density Bottle	100 ml capacity	3 Pc
GE-473	Funnel	Glass	1 Pc
GE-521	Wash Bottle	250 ml capacity	1 Pc
GE-601	Thermometer	Range 0 - 100 °C	1 Pc

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 10 kg

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Specific Gravity - Heating Method (SO-340A)

ASTM D-854 **AASHTO T-100**
For determining specific gravity of soil sample

Type	Parts Name	Specification	Qty
SO-341	Vacuum Stand	Wooden base, steel pipe Column, 2 valves	1 Set
GE-363	Mixing Bowl	Stainless steel, 250 mm dia.	1 Pc
GE-404	Graduate Cylinder	500 ml capacity	1 Pc
GE-412 A	Volumetric Flask	500 ml capacity, vacuum	2 Pc
GE-473	Funnel	Glass, wide mouth	1 Pc
GE-521	Wash Bottle	250 ml capacity	1 Pc
GE-600	Thermometer	Range 0 - 50° C	1 Pc
GE-679	Vacuum Manometer	4" dia., 0 - 76 cm HG	1 Pc
GE-680	Vacuum Pump	Rotary pump	1 Pc

Dimension (l x w x h) : 70 x 70 x 70 cm
Gross Weight : 45 kg

SO-340 A

Also required, but not part of this set:

AG-218 A	Sieve no. 4
AG-250	Pan & Cover
GE-150	Cent O-Gram Balance
GE-174	Drying Oven

SO-340 B

Also required, but not part of this set:

AG-218 A	Sieve no. 4
AG-250	Pan & Cover
GE-150	Cent O-Gram Balance
GE-174	Drying Oven

Specific Gravity - Vacuum Method (SO-340B)

ASTM D-854 **AASHTO T-100**
For determining specific gravity of soil/aggregate sample

Type	Parts Name	Specification	Qty
SO-341	Vacuum Stand	Plastic hose with rubber bung, 1 valves	1 Set
GE-363	Mixing Bowl	Stainless steel, 250 mm dia.	1 Pc
GE-404	Graduate Cylinder	500 ml capacity	1 Pc
GE-412 A	Volumetric Flask	500 ml capacity, vacuum	2 Pc
GE-473	Funnel	Glass, wide mouth	1 Pc
GE-521	Wash Bottle	250 ml capacity	1 Pc
GE-600	Thermometer	Range 0 - 50 °C	1 Pc
GE-679	Vacuum Manometer	4" dia., 0 - 76 cm HG	1 Pc
GE-680	Vacuum Pump	Rotary pump	1 Pc

Dimension (l x w x h) : 60 x 60 x 60 cm
Gross Weight : 40 kg

SO-350

Also required, but not part of this set:

SO-450	Moisture Content Test Set
AG-218 A	Sieve no. 4
GE-157	Heavy Duty Solution Balance
GE-760	Filter Paper

Compaction Test Set (SO-350)

ASTM D-698/D-1557 AASHTO T-99/T-180
For determining moisture - density relationship

Type	Parts Name	Specification	Qty
SO-351	Standard Proctor Mold	Machined steel, galvanized, 4" i.d.,4.584" height, 2" Height of collar	1 Pc
SO-352	Modified Proctor Mold	Machined steel, galvanized, 6" i.d.,4.584" height, 2" Height of collar	1 Pc
SO-353	Standard Proctor Hammer	Machined steel, galvanized, 2" dia., 12" drop height, 5.5 lbs weight	1 Pc
SO-354	Modified Proctor Hammer	Machined steel, galvanized, 2" dia., 18" drop height, 10 lbs weight	1 Pc
SO-355	Extruder	Steel frame, Hydraulic jack	1 set
GE-303	Square Pan	Galvanized steel,l 65 x 65 x 7.5 cm	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-405 A	Graduate Cylinder	Plastic, 1000 ml capacity	1 Pc
GE-801	Scoop	Cast Alumunium	1 Pc
GE-871	Trowel	Pointed type	1 Pc
GE-890	Straight Edge	30 cm length	1 Pc
GE-900	Rubber Mallet	Wooden handle	1 Pc
GE-920	Steel Wire Brush	Wooden handle	1 Pc

Dimension (l x w x h) : 62 x 62 x 40 cm
Gross Weight : 120 kg

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Laboratory CBR Test Set (SO-360A)

ASTM D-1883 **AASHTO T-193**
For determining the bearing ratio of soil

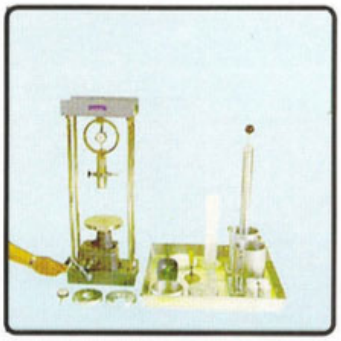
Type	Parts Name	Specification	Qty
SO-361 A	Electrical Loading Machine	Electric, 220 V-AC, ½ HP, 1 Phase, speed 0.05"/min reversing switch, 10.000 lbs capacity	1 Set
SO-362	CBR Mold	Machined steel, 6" i.d, 7" height, 2" height of collar	3 Pc
SO-363	Spacer Dish	Machined steel, 5 15/16" dia, 2.416" height	1 Pc
SO-364	Cutting Edge	Machined steel, sharp edge	1 Pc
SO-365	Circular Surcharge Weight	Machined steel, 5 7/8" o.d., 2 1/8" i.d., 5 lbs weight	3 Pc
SO-366	Slotted Surcharge Weight	Machined steel, 5 7/8" o.d., 2 1/8" slotted width, 5 lbs weight	3 Pc
SO-354	Modified Proctor Hammer	Machined steel, galvanized, 2' dia., 18" drop height, 10 lbs weight	1 Pc
SO-369	Filter Paper	6" dia., 100 sheets/box	1 Box
GE-101.6	Proving Ring	6.000 lbs capacity	1 Set
GE-131	Dial Indicator	Range 0.001" x 1"	1 Pc
GE-303	Square Pan	Galvanized steel, 65 x 65 x 7.5 cm	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-405 A	Graduated Cylinder	Plastic, 1000 ml capacity	1 Pc
GE-801	Scoop	Cast Alumunium	1 Pc
GE-871	Trowel	Pointed Type	1 Pc
GE-890	Straight Edge	300 mm length	1 Pc

Dimension (l x w x h) : 110 x 70 x 120 cm
Gross Weight : 200 kg

SO-360 A

Also required, but not part of this set:

SO-355	Extruder
SO-367	Swell Plate
SO-368	Swell Tripod
SO-450	Moisture Content Test Set
AG-218 A	Sieve no. 4
GE-136	Dial Indicator
GE-157	Heavy Duty Solution Balance
GE-323	Rectangular Pan



SO-360 B

Also required, but not part of this set

SO-355	Extruder
SO-367	Swell Plate
SO-368	Swell Tripod
SO-450	Moisture Content Test Set
AG-218 A	Sieve no. 4
GE-136	Dial Indicator
GE-157	Heavy Duty Solution Balance
GE-323	Rectangular Pan

Laboratory CBR Test Set (SO-360B)

SO-360 BLABORATORY CBR TEST SET
ASTM D-1883 **AASHTO T-193**
For determining the bearing ratio of soil

Type	Parts Name	Specification	Qty
SO-361 B	Mechanical Loading	Steel frame, hand operated, two speeds, 10.000 lbs cap., 1.954" piston dia.	1 Set
SO-362	CBR Mold	Machined steel, 6" i.d, 7" height, 2" height of collar	3 Pc
SO-363	Spacer Dish	Machined steel, 5 15/16" dia, 2.416" height	1 Pc
SO-364	Cutting Edge	Machined steel, sharp edge	1 Pc
SO-365	Circular Surcharge Weight	Machined steel, 5 7/8" o.d., 2 1/8" i.d., 5 lbs weight	3 Pc
SO-366	Slotted Surcharge Weight	Machined steel, 5 7/8" o.d., 2 1/8" slotted width, 5 lbs weight	3 Pc
SO-354	Modified Proctor Hammer	Machined steel, galvanized, 2' dia., 18" drop height, 10 lbs weight	1 Pc
SO-369	Filter Paper	6" dia., 100 sheets/box	1 Box
GE-101.6	Proving Ring	6.000 lbs capacity	1 Set
GE-131	Dial Indicator	Range 0.001" x 1"	1 Pc
GE-303	Square Pan	Galvanized steel, 65 x 65 x 7.5 cm	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-405 A	Graduated Cylinder	Plastic, 1000 ml capacity	1 Pc
GE-801	Scoop	Cast Alumunium	1 Pc
GE-871	Trowel	Pointed Type	1 Pc
GE-890	Straight Edge	300 mm length	1 Pc

We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

SO-370

Also required, but not part of this set :

GE-600	Thermometer
GE-710	Vernier Caliper

Combination Permeameter Test Set (SO-370)

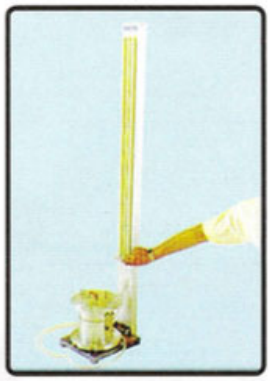
ASTM D-2434 **AASHTO T-215**
For determining coefficient of permeability of soil sample.

Type	Parts Name	Specification	Qty
SO-371	Sample Chamber	Transparent fibre glass, 2 ½"i.d, 8" height, compessive spring, cast alumunium body	1 set
SO-372	Funnel	Plastic, wide mouth, with over flow	1 Pc
SO-373	Frame	Alumunium	1 Pc
SO-374	Porous Stone	2.47" diameter, ½"thick	2 Pc
GE-376	Burette	Glass, 100 ml capacity, without scale	1 Pc
GE-420	Beaker Glass	100 ml capacity	1 Pc
GE-700	Stop Watch	60 sec. Sweep x 15 min.	1 Pc

Dimension (l x w x h) : 110 x 40 x 30 cm
Gross Weight : 10 kg

Also required, but not part of this set :

GE-600	Thermometer
GE-710	Vernier Caliper



SO-395A

Compacton Permeameter Test Set (395A)

For determining coefficient of permeability of soil sample.

Type	Parts Name	Specification	Qty
SO-395	Compaction Permeameter	1/33.33 cu. ft. mold, 4" i.d, inlet-outlet connector, overflow valve, porous stone	1 Set
SO-391	Frame	Cast alumunium base, alumunium column, 3 burette (5,10,15 mm diameter)	1 Set
GE-402	Graduated Cylinder	100 ml capacity	1 Pc
GE-700	Stop Watch	60 sec. Sweep	1 Pc

Dimension (l x w x h) : 30 x 30 x 50 cm
Gross Weight : 35 kg

Also required, but not part of this set:

SO-353	Modified Proctor Hammer
SO-450	Moisture Content Test Set
AG-218 A	Sieve no. 4
GE-157	Heavy Duty Solution Balance
GE-800	Round Scoop

Other Type - Compacton Permeameter Test Set (SO-390A)

For determining coefficient of permeability of soil sample.

Type	Parts Name	Specification	Qty
SO-390	Compaction Permeameter	1/30 cu. ft. mold, 4" i.d, inlet-outlet connector, overflow valve, porous stone	1 Set
SO-391	Frame	Cast alumunium base, alumunium column, 3 burette (5,10,15 mm diameter)	1 Set
GE-402	Graduated Cylinder	100 ml capacity	1 Pc
GE-700	Stop Watch	60 sec. Sweep	1 Pc

Dimension (l x w x h) : 30 x 30 x 50 cm
Gross Weight : 30 kg

Also required, but not part of this set:

SO-353	Standard Proctor Hammer
SO-450	Moisture Content Test Set
AG-218 A	Sieve no. 4
GE-157	Heavy Duty Solution Balance
GE-800	Round Scoop

SO-400

Dimension (l x w x h) : 70 x 50 x 50 cm
Gross Weight : 50 kg

Also required, but not part of this set:

SO-450	Moisture Content Test Set
GE-157	Heavy Duty S Olution Balance
GE-396	Glass Plate

Sand Cone Test Set (SO-400)

ASTM D-1556 **AASHTO T-191**
For determining the density of compacted soil in place.

Type	Parts Name	Specification	Qty
SO-401	Sand Cone Bottle	Plastic, 4 ltr cap. Approx.	1 Pc
SO-402	Sand Cone Funnel	Seamless metal, turning stopper, 6 ½" dia bottom ½" neck dia.	1 Pc
SO-403	Base Plate	Cast alumunium, 12" x 12"	1 Pc
SO-404	Graduated Sand	Uncemented sand, passing #10, retained #60,25 kg capacity	1 Zak
GE-380	Sample Can	Round Can, tinned metal	6 Pc
GE-801	Round Scoop	Cast alumunium	1 Pc
GE-861	Spoon	Stainless steel	1 Pc
GE-871	Trowel	Pointed type	1 Pc
GE-880	Chisel	Hardened type	1 Pc
GE-900	Rubber Mallet	Wooden handle	1 Pc

We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

SO-430

Speedy Moisture Tester (SO-430)

AASHTO T-217
For determining the moisture content of soil by means of calcium carbide gas pressure meter.

Type	Parts Name	Specification	Qty
SO-432	Speedy Gauge	M/C range 0-20%, sens : 0.2%, sample weight 20 gr	1 Pc
SO-434	Speedy Balance	Brass beam, Cast alumunium frame, 10 gr counter balance	1 Pc
SO-436	Calcium Carbide	Calcium carbide	1 Can
SO-437	Crushing Ball	Steel ball	2 Pc
SO-438	Cleaning Brush	Wooden/plastic holder	1 Pc
SO-439	Carrying Case	Wooden case with handle	1 Pc

Dimension (l x w x h) : 45 x 45 x 30 cm
Gross Weight : 15 kg

Moisture Content Test Set

For determining moisture content of soil sample.

Type	Parts Name	Specification	Qty
GE-150	Cent O-Gram Balance	311 gr cap., 0.01 gr sens	1 Pc
GE-174	Drying Oven	53 ltr capacity, internal dimension (l x w x h) 400 x 400 x 330 mm 220 V, 1400 W	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-451	Dessicator	Transparent glass, 24 cm dia, approx.	1 Pc

Dimension (l x w x h) : 80 x 80 x 110 cm
Gross Weight : 100 kg

Also required, but not part of this set:
GE-455 Silica Gel

SO-450

SO-500

Unconfined Compression Machine (SO-500)

ASTM D-2166 **AASHTO T-208**
For determining stress strain relationship of cohesive soil without confining pressure.

Type	Parts Name	Specification	Qty
SO-501	Unconfined Compression Machine	Cast alumunium, gear box, adjustable height of top platen, hand operated 200 kg capacity	1 Set
SO-502	Sample Tubes		
Consist of :			
SO-502.1	Sample Tubes	35.0 mm dia x 70 mm height	1 Pc
SO-502.2	Sample Tubes	47.5 mm dia x 95 mm height	1 Pc
SO-502.3	Sample Tubes	70.0 mm dia x 140 mm height	1 Pc
SO-503	Split Sample Tubes		
Consist of :			
SO-503.1	Split Sample Tubes	35.0 mm dia x 70 mm height	1 Pc
SO-503.2	Split Sample Tubes	47.5 mm dia x 95 mm height	1 Pc
SO-503.3	Split Sample Tubes	70.0 mm dia x 140 mm height	1 Pc
SO-504	Extruder		
Consist of :			
SO-504.1	Extruder	34.5 mm dia x 71 mm height	1 Pc
SO-504.1	Extruder	47.0 mm dia x 96 mm height	1 Pc
SO-504.1	Extruder	69.5 mm dia x 141 mm height	1 Pc
SO-505	Trimmer	Steel frame, 3 tubes size	1 Set
GE-101.1	Proving Ring	100 kg capacity	1 Set
GE-137	Dial Indicator	Range 30 mm x 0.01 mm	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-840	Wire Saw	10 cm length approx.	1 Pc

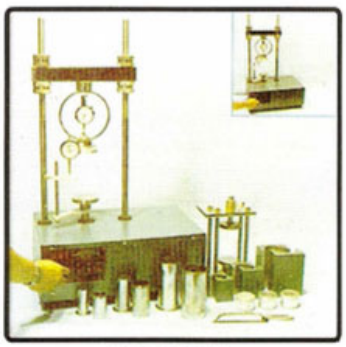
Dimension (l x w x h) : 80 x 40 x 40 cm
Gross Weight : 50 kg

Also required, but not part of this set:
SO-450 Moisture Content Test Set
GE-700 Stop Watch

We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama



SO-500 A

Also required, but not part of this set:

SO-450	Moisture Content Test Set
GE-700	Stop Watch

Uniconfined Compression Machine (SO-500A)

ASTM D-2166 AASHTO T-208
For determining stress strain relationship of cohesive soil without confining pressure.

Type	Parts Name	Specification	Qty
SO-501 A	Unconfined Compression Machine	Electric, 220 V-AC, 200 W, variable speed, adjustable height	1 Set
SO-502	Sample Tubes		
Consist of :			
SO-502.1	Sample Tubes	35.0 mm dia x 70 mm height	1 Pc
SO-502.2	Sample Tubes	47.5 mm dia x 95 mm height	1 Pc
SO-502.3	Sample Tubes	70.0 mm dia x 140 mm height	1 Pc
SO-503	Split Sample Tubes		
Consist of :			
SO-503.1	Split Sample Tubes	35.0 mm dia x 70 mm height	1 Pc
SO-503.2	Split Sample Tubes	47.5 mm dia x 95 mm height	1 Pc
SO-503.3	Split Sample Tubes	70.0 mm dia x 140 mm height	1 Pc
SO-504	Extruder		
Consist of :			
SO-504.1	Extruder	34.5 mm dia x 71 mm height	1 Pc
SO-504.1	Extruder	47.0 mm dia x 96 mm height	1 Pc
SO-504.1	Extruder	69.5 mm dia x 141 mm height	1 Pc
SO-505	Trimmer	Steel frame, 3 tubes size	1 Set
GE-101.1	Proving Ring	100 kg capacity	1 Set
GE-137	Dial Indicator	Range 30 mm x 0.01 mm	1 Pc
GE-390	Thin Box	Alumunium, 60 gr capacity	12 Pc
GE-840	Wire Saw	10 cm length approx.	1 Pc

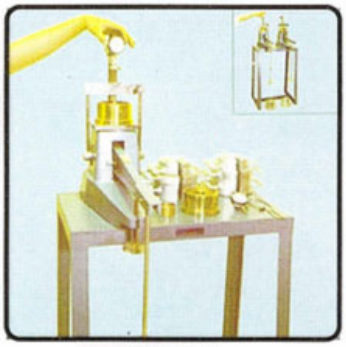
Dimension (l x w x h) : 80 x 70 x 100 cm
Gross Weight : 60 kg

Consolidation Test Set (SO-515)

ASTM D-2435 AASHTO T-216
For determination the rate and magnitude of consolidation of soil when it is Restrained laterally, loaded and drained axially.

Type	Parts Name	Specification	Qty
SO-516	Consolidation Frame		
Consist of :			
SO-516.1	Frame	Cast alumunium, two test unit	1 Set
SO-516.2	Loading Set	Three alternative lever arm 1:9, 1:10, 1:11.	2 Set
SO-517	Consolidometer	Brass, 50.5 mm sample dia., porous stone, loading cap.	2 Set
SO-518	Loads	Slotted, machine steel	
Consist of :			
SO-518.1	Load	500 gr	4 Pc
SO-518.2	Load	1000 gr	2 Pc
SO-518.3	Load	2000 gr	2 Pc
SO-518.4	Load	4000 gr	2 Pc
SO-518.5	Load	8000 gr	2 Pc
SO-519	Sample Tube	Machine steel, 50.5 mm dia., galvanized, with extruder	1 Set
GE-135	Dial Indicator	Range 10 mm x 0.01 mm	2 Pc
GE-840	Wire Saw	10 cm length approx.	1 Pc

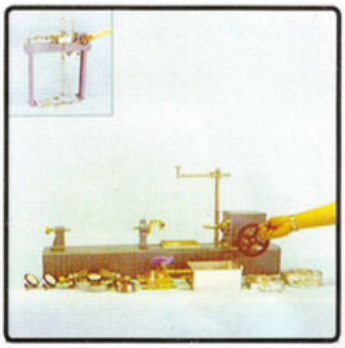
Dimension (l x w x h) : 80 x 80 x 150 cm
Gross Weight : 130 kg



SO-515

Also required, but not part of this set:

SO-450	Moisture Content Test Set
GE-521	Wash Bottle
GE-700	Stop Watch
GE-710	Vernier Caliper
GE-820	Spatula



SO-525

Also required, but not part of this set:

SO-450	Moisture Content Test Set
GE-521	Wash Bottle
GE-700	Stop Watch
GE-710	Vernier Caliper
GE-820	Spatula

Direct Shear Test Set (SO-525)

ASTM D-3080 AASHTO T-236
For determining shearing resistance of soil sample.

Type	Parts Name	Specification	Qty
SO-526	Loading Mchine		
Consist of :			
SO-526.1	Frame	Welded steel frame hand Operated	1 Set
SO-526.2	Loading Hanger	Machine steel, galvanized, supplied without load	1 Pc
SO-527	Shear Box	Cast alumunium box, 63.5 mm sample dia, porous stone, loading cap.	1 Set
SO-523	Loads	Slotted, machine steel, galvanized	
Consist of :			
SO-523.1	Load	3167 gr weight	2 Pc
SO-523.2	Load	6334 gr weight	1 Pc
SO-524	Sample Tube	Machine steel, 63.5 mm dia., galvanized, with extruder	1 Set
GE-101.1	Proving Ring	100 kg capacity	1 Pc
GE-135	Dial Indicator	Range 10 mm x 0.01 mm	1 Pc
GE-840	Wire Saw	10 cm length approx.	1 Pc

Dimension (l x w x h) : 130 x 80 x 130 cm
Gross Weight : 125 kg

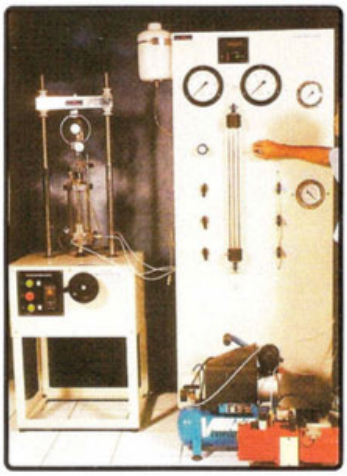
We can supply :

CV. NAKATAMA SCIENTIFIC

Material Testing & Laboratory Equipment for Civil, Mining and General Laboratory Equipment
Supply, Service, Calibration, Contractor, General Trading & Training for Civil Work
Jl. Jinggakusuma Kulon No. 40 Kota Baru Parahyangan – Padalarang, Bandung (40553) Indonesia
Telp. 0811 22 5754 Fax. 022-86813145 E-mail: info@nakatama.co.id, info.nakatama@yahoo.com
Web: nakatama.co.id, Facebook: nakatamascientific, Instagram: @info.nakatama

Triaxial Test Set (SO-600)

The triaxial test set provides test load up to 300 kgf at any speed from 0.00 to 3.00 per minute. This feature provides the capability for use in application such as constant rate of load and constant rate of stress. The triaxial test has direct digital reading for pore pressure measuring and single switch for loading or unloading lof sample making it extremely easy to use. A movable cross-head allows a wide range of sample size to be tested with simple adjustment. Optional proving rings for load measuring device are available for accurate Load measurement up to the capacity of the unit.



SO-600

Testing Standard
ASTM D-2850

Specification

Capacity	: 300 kgf
Loading Speed	: 0.00 to 3.00 per minute
Cell (Specimen) size	: 35 mm and 50 mm maximum
Controls	Power on-off switch; direct digital reading for pore pressure measurement; fast advanced selector switch
Dimension (l x w x h)	: 200 x 160 x 80 cm
Gross Weight	: 65 kg

Consist of

MS-600.1	Triaxial Compression Machine hand operated and motorized/220volt.	1 set
MS-600.2	Load ring 350 kgf (included calibration certificate)	1 set
MS-600.3	Control Panel (the compact assembly)	1 set
MS-600.3.1	Air regulator and pressure gauge 10 kg/cm2 (CP) and volume change 50 ml capacity	1set
MS-600.3.2	Air regulator and pressure gauge 10 kg/cm2 (BP) and volume change 50 ml capacity	1set
MS-600.3.3	Pressure Pump and pressure gauge 10 kg/cm2 (PP) with mercury manometer and null indicator	1set
MS-600.4	Triaxial cell chamber with sample pad dia. 35 mm and 50 mm	1set
MS-600.5	air compressor 8 kg/cm2 /220volt	1set
MS-600.6	0. ring placing tool diameter 35 mm and 50 mm	1set
MS-600.7	suction membrane device diameter 35 mm and 50 mm1set	
MS-600.8	Two way split former diameter 35 mm x 70 mm and 50 mm x 100 mm	1set
MS-600.9	Sample tube diameter 35 mm x 70 mm and 50 mm x 100 mm	1set
MS-600.10	Rubber membrane diameter 35 mm	10 pcs
MS-600.11	Rubber membrane diameter 50mm	10 pcs
MS-600.12	Membrane sealing ring for sample 35 mm diameter	4pcs
MS-600.13	Membrane sealing ring for sample 50 mm diameter	4pcs

SO-700

Hydraulic Cone Penetrometer (SO-700)

Testing Standard
ASTM D-3441
For determining cone resistance and friction resistance of soil layer
Specification:

Max Driving Capacity	: 10.000 kg
Max Pulling Capacity	: 15.000 kg
Stroke of Cylinder	: 1250 mm
Sonding Speed	: 2 cm/sec

Consist of :

SO-700.1	Hydraulic Driving Appliance	: 1 unit
SO-700.2	Engine Pump / Gasoline Engine	: 1 unit
SO-700.3	Sonding Rod + Plunger	: 20 set
SO-700.4	Push and Pull Adaptor	: 1 set
SO-700.5	Spiral Ancor	: 4 pcs
SO-700.6	Handle T-Piece	: 1 pc
SO-700.7	Mantel Cone	: 1 set
SO-700.8	Friction Cone	: 1 set
SO-700.9	Fasten Press	: 2 pc
SO-700.10	Wrench Set	: 1 set
GE-677	Manometer 60 kg/cm2	: 1 pc
	Manometer 1000 kg/cm2	: 1 pc

We can supply :

MATEST HUMBOLDT memmert GARMIN SOKKIA proceq HOFFMAN DIAMOND PRODUCTS OHAUS Retsch essa