

**MACHINE ANCHORS &
COMPONENTS**



**KELLY BARS &
COMPONENTS**



KELLY BARS AND COMPONENTS

Made to connect together for continuous sampling



#KB-100 Connecting Flush Pin / 1 1/4" Kelly Bar \$ 4.36
(For connecting Kelly Bars Together)



#KB-102 Ball Plungers Detents / 1 1/4" & 2" Bar \$ 6.98
(Replacement for in Solid End of Kelly Bar to hold Flush Pin in KB)



#KB-104 Male Stub End Replacement (1 1/4" K.B.)\$ 50.06
(To replace broken or worn male Kelly Bar End)



#KB 150 Connecting Flush Pin / 2" Kelly Bar \$ 5.86
(For Connecting Kelly Bars Together)



#KB-154 Male Stub End Replacement (2" K.B.)..... \$ 71.81
(To replace broken or worn male Kelly Bar End)

1-1/4" SQ. STANDARD DUTY KELLY BARS:

(For standard sampling & drilling (#5, #10, #15, & #25 Machines)



#KB-200 1 Ft. Kelly Bar \$ 176.58
#KB-202 2 Ft. Kelly Bar \$ 196.31
#KB-203 3 Ft. Kelly Bar \$ 219.90
#KB-204 4 Ft. Kelly Bar \$ 246.03
#KB-206 6 Ft. Kelly Bar \$ 301.05
#KB-208 8 Ft. Kelly Bar \$ 383.49

1-1/4" SQ. HD SOLID KELLY BARS:

(For heavy duty drilling (#5, #10, #15 & #25 Machines)



#KB-300 1 Ft. HD Kelly Bar..... \$ 193.52
#KB-302 2 Ft. HD Kelly Bar..... \$ 221.94
#KB-303 3 Ft. HD Kelly Bar..... \$ 252.48
#KB-304 4 Ft. HD Kelly Bar..... \$ 283.05
#KB-306 6 Ft. HD Kelly Bar..... \$ 359.96
#KB-308 8 Ft. HD Kelly Bar..... \$ 436.91

2" SQ. STANDARD DUTY KELLY BAR:

(For use with #35 Extra Heavy Duty Machine ONLY)



#KB-400 1 Ft. XHD Kelly Bar..... \$ 355.67
#KB-402 2 Ft. XHD Kelly Bar..... \$ 428.90
#KB-403 3 Ft. XHD Kelly Bar..... \$ 477.92
#KB-404 4 Ft. XHD Kelly Bar..... \$ 526.93
#KB-406 6 Ft. XHD Kelly Bar..... \$ 669.29
#KB-408 8 Ft. XHD Kelly Bar..... \$ 811.66

KELLY BAR ACCESSORIES



#KB-500 Kelly Bar Slip Tool Holder 1-1/4" \$ 86.61

#KB-502 Kelly Bar Slip Tool Holder 2"..... \$ 122.15
(To secure Kelly Bar and tooling from sliding down hole when releasing pin in Rotary Head)



#KB-600 Tool Box/Kelly Bar Lock Rod \$ 24.37



#MA-100 Std #5/#15/#25 Machine Anchor (4" x 30").. \$ 229.94
#MA-102 Opt #5/#15/#25 Machine Anchor (4" x 42").. \$ 241.44
#MA-104 Opt#5/#15/#25 Machine Anchor (4" x 54").. \$ 255.24
#MA-106 Opt #5/#15/#25 Machine Anchor (6" x 42").. \$ 343.99
#MA-108 Std # 35 Machine Anchor (6" x 42") (2" KB) \$ 366.79
#MA-110 Opt #35 Machine Anchor (6" x 54") (2" KB) . \$383.66
#MA-112 Opt #35 Machine Anchor (8" x 54") (2" KB) \$ 584.89



#MA-200 #5/#15/#25 Series Anchor Chain (1/4" x 4ft) ... \$ 32.41
#MA-202 #5/#15/#25 Series Anchor Chain (1/4" x 5ft) ... \$ 36.98
#MA-204 #35 Series Anchor Chain (3/8" x 4ft) \$ 45.84
#MA-206 #35 Series Anchor Chain (3/8" x 5ft) \$ 56.09



#MA-300 1 1/4" KB Anchor Extractor #5/#15/#25 \$ 32.26
#MA-302 2" KB Anchor Extractor #35 \$ 48.02

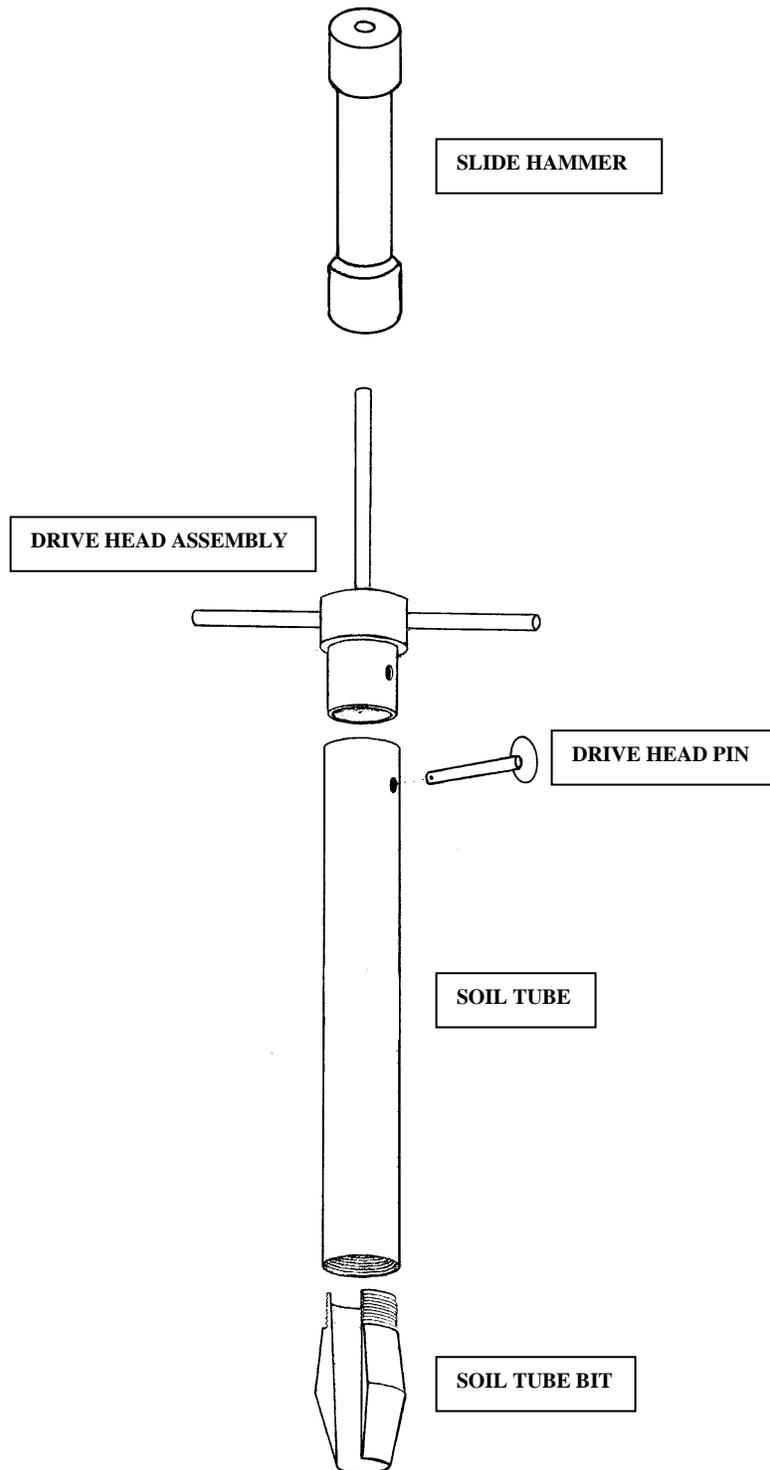
(Used for Removing Machine Anchors from ground only)



#MC-100 Gland Wrench #3/#4/#5 Series Machine \$ 32.84
#MC-102 Gland Wrench #10/#15/#25 Series Machine \$ 33.62
#MC-104 Gland Wrench #35 Series Machine \$ 34.47

(For Adjusting Master Cylinder Shaft Seal to stop oil leakage around main cylinder shaft)

HAND SAMPLING COMPONENTS



DRIVE HEAD ASSEMBLIES:

Drive Head & Slide Rod

(Slide Hammers & Pins sold separately)



#HS-100	1 1/4" Drive Head Assembly	\$ 163.19
#HS-102	1 5/8" Drive Head Assembly	\$ 173.77
#HS-104	1 3/4" Drive Head Assembly	\$ 180.34
#HS-106	2" Drive Head Assembly	\$ 195.72
#HS-108	2 1/4" Drive Head Assembly	\$ 221.35
#HS-110	2 1/2" Drive Head Assembly	\$ 228.08
#HS-112	2 5/8" Drive Head Assembly	\$ 232.38
#HS-114	3" Drive Head Assembly	\$ 237.29
#HS-116	3 1/4" Drive Head Assembly	\$ 276.53
#HS-118	3 1/2" Drive Head Assembly	\$ 299.05
#HS-119	4" Drive Head Assembly	\$ 325.24
#HS-120	4 1/2" Drive Head Assembly	\$ 351.45

DRIVE HEADS:

Drive Head Only

(For use with sledge hammer)



#HS-150	1 1/4" Drive Head	\$ 146.58
#HS-152	1 5/8" Drive Head	\$ 157.19
#HS-154	1 3/4" Drive Head	\$ 163.77
#HS-156	2" Drive Head	\$ 179.14
#HS-158	2 1/4" Drive Head	\$ 204.78
#HS-160	2 1/2" Drive Head	\$ 211.52
#HS-162	2 5/8" Drive Head	\$ 215.81
#HS-164	3" Drive Head	\$ 220.73
#HS-166	3 1/4" Drive Head	\$ 259.96
#HS-168	3 1/2" Drive Head	\$ 282.45
#HS-169	4" Drive Head	\$ 308.67
#HS-170	4 1/2" Drive Head	\$ 334.89

SLIDE ROD:

(For Replacement only)



#HS-200	(Old Style) Slide Rod (1/2" diameter).....	\$ 16.56
#HS-202	(Current) HD Slide Rod (3/4" diameter).	\$ 21.83

DRIVE HEAD PINS:



#HS-250	1-1/4" Drive Head Pin	\$ 5.41
#HS-252	1-5/8" Drive Head Pin	\$ 5.47
#HS-254	1-3/4" Drive Head Pin	\$ 5.58
#HS-256	2" Drive Head Pin	\$ 5.70
#HS-258	2-1/4" Drive Head Pin	\$ 5.76
#HS-260	2-1/2" Drive Head Pin	\$ 5.84
#HS-262	2-5/8" Drive Head Pin	\$ 5.91
#HS-264	3" Drive Head Pin	\$ 6.01
#HS-266	3-1/4" Drive Head Pin	\$ 6.06
#HS-268	3-1/2" Drive Head Pin	\$ 6.15
#HS-270	4" Drive Head Pin	\$ 6.29
#HS-272	4-1/2" Drive Head Pin	\$ 6.38

SLIDE HAMMERS:



#HS-300	10 lb. Slide Hammer	\$ 153.89
#HS-302	12 lb. Slide Hammer	\$ 164.28
#HS-304	16 lb. Slide Hammer	\$ 187.19
#HS-306	20 lb. Slide Hammer	\$ 208.33

Soil Sampling Tubes and Cutting Bits that are used with these Hand Sampling Drive Heads are found on the following pages:

Solid Sampling Tubes / Right Hand Column P.50 (Soil Tubes w/ View Slots Can NOT be used)

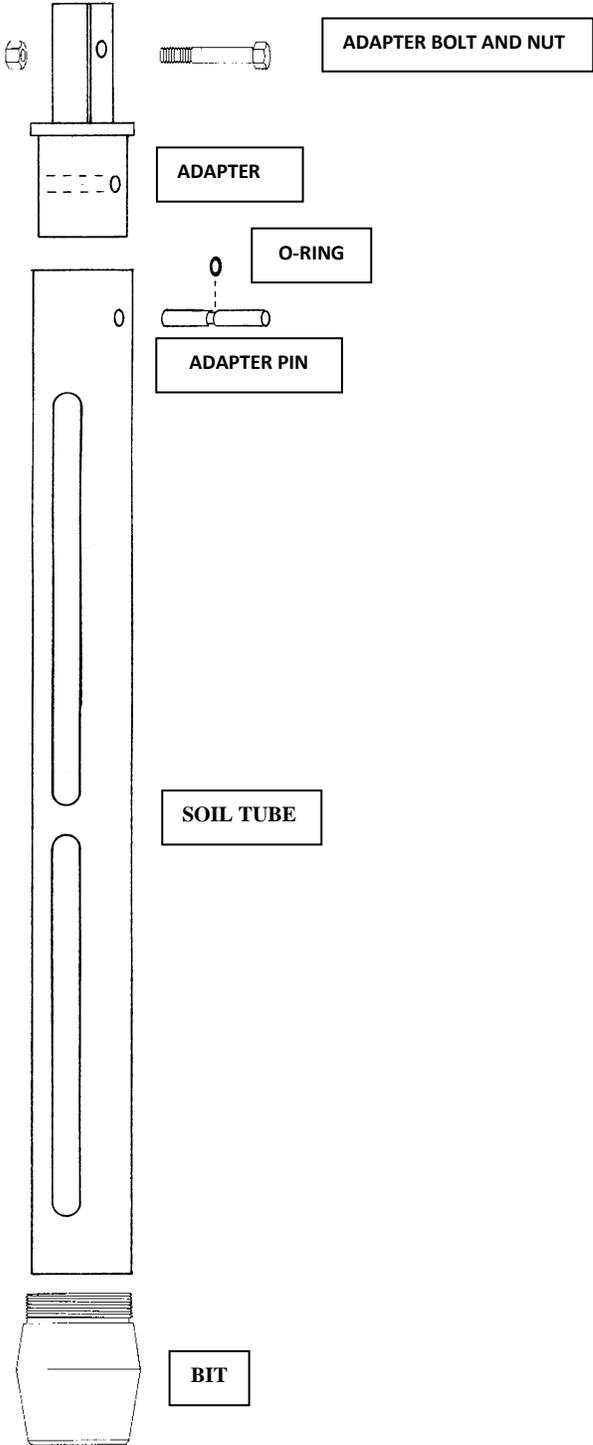
Steel Liner Type Tubes / Left Hand Column P. 56 (Plastic Liners are used with these tubes)

Reinforced Tops on Soil Tubes are Very Strongly Recommended when used with hammers
Add an "R" to the End of the Part Number
Add \$ 80.00 to the Cost of the Tube

Soil Tube Bits.....P.52 & 53

Tube Cleaning Brushes & Handles.....P. 54

SOIL TUBE & COMPONENTS



SOIL SAMPLING TUBES

Order All Tubes and Components by Soil Tube Outside Dimension

(Sample diameter will be approximately 1/4" - 3/8" smaller than tube diameter depending on soil expansion inside of tube)

WITH VIEW SLOTS:

(These tubes are designed for push only with Machines)
(Not to be used with Hammers)



36" TUBES

#ST-060	1-1/4" x 36"	\$ 155.84
#ST-062	1-5/8" x 36"	\$ 166.81
#ST-064	1-3/4" x 36"	\$ 191.97
#ST-066	2" x 36"	\$ 140.80
#ST-068	2-1/4" x 36"	\$ 156.86
#ST-070	2-1/2" x 36"	\$ 159.92
#ST-072	3" x 36"	\$ 166.19
#ST-074	3-1/2" x 36"	\$ 192.73
#ST-076	4" x 36"	\$ 254.76
#ST-078	4-1/2" x 36"	\$ 291.49

48" TUBES:

#ST-100	1-1/4" x 48"	\$ 189.60
#ST-102	1-5/8" x 48"	\$ 204.69
#ST-104	1-3/4" x 48"	\$ 238.67
#ST-106	2" x 48"	\$ 169.71
#ST-108	2-1/4" x 48"	\$ 193.48
#ST-110	2-1/2" x 48"	\$ 196.74
#ST-112	3" x 48"	\$ 200.34
#ST-114	3-1/2" x 48"	\$ 231.01
#ST-115	4" x 48"	\$ 298.06
#ST-116	4-1/2" x 48"	\$ 347.01

60" TUBES:

#ST-118	1-1/4" x 60"	\$ 216.53
#ST-120	1-5/8" x 60"	\$ 235.43
#ST-122	1-3/4" x 60"	\$ 277.92
#ST-124	2" x 60"	\$ 190.77
#ST-126	2-1/4" x 60"	\$ 217.86
#ST-128	2-1/2" x 60"	\$ 220.42
#ST-130	3" x 60"	\$ 225.67
#ST-132	3-1/2" x 60"	\$ 261.42
#ST-133	4" x 60"	\$ 342.82
#ST-134	4-1/2" x 60"	\$ 395.73

SOLID: (No View Slots)

(These tubes are designed to be rotated while being pushed)
(Or to be used with hand sampling hammers)



36" TUBES:

#ST-080	1-1/4" x 36"	\$ 118.73
#ST-082	1-5/8" x 36"	\$ 128.67
#ST-084	1-3/4" x 36"	\$ 152.81
#ST-086	2" x 36"	\$ 100.57
#ST-088	2-1/4" x 36"	\$ 117.69
#ST-090	2-1/2" x 36"	\$ 119.44
#ST-092	3" x 36"	\$ 122.92
#ST-094	3-1/2" x 36"	\$ 148.47
#ST-096	4" x 36"	\$ 214.71
#ST-098	4-1/2" x 36"	\$ 246.20

48" TUBES:

#ST-136	1-1/4" x 48"	\$ 132.06
#ST-138	1-5/8" x 48"	\$ 145.76
#ST-140	1-3/4" x 48"	\$ 178.43
#ST-142	2" x 48"	\$ 108.05
#ST-144	2-1/4" x 48"	\$ 127.49
#ST-146	2-1/2" x 48"	\$ 130.28
#ST-148	3" x 48"	\$ 134.62
#ST-150	3-1/2" x 48"	\$ 163.92
#ST-151	4" x 48"	\$ 237.34
#ST-152	4-1/2" x 48"	\$ 278.58

60" TUBES:

#ST-154	1-1/4" x 60"	\$ 145.37
#ST-156	1-5/8" x 60"	\$ 162.90
#ST-158	1-3/4" x 60"	\$ 204.07
#ST-160	2" x 60"	\$ 116.37
#ST-162	2-1/4" x 60"	\$ 135.88
#ST-164	2-1/2" x 60"	\$ 139.28
#ST-166	3" x 60"	\$ 146.36
#ST-168	3-1/2" x 60"	\$ 179.38
#ST-169	4" x 60"	\$ 259.92
#ST-170	4-1/2" x 60"	\$ 310.96

These Soil Tubes are designed for the sample to be removed from the top of the soil tube. Simply remove the tube from the adapter, turn the tube upside down and the sample will slide out of the end of the tube.

You should never have to remove the Soil Tube Bit from the tube to get the sample out.

Regular Push Type Soil Tube Bits can be found on page 52 of this catalog

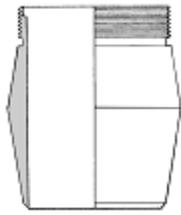
Adapters, Pins, Brushes and Handles can be found on page 54 of this catalog

Sawtooth Type Soil Tube Bits designed for rotation can be found on page 53 of this catalog

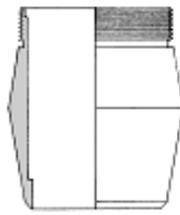
When Hand Sampling and driving these Solid Soil Tubes with either type of Hammer it is *STRONGLY* recommended to Add Reinforced Tops to the Soil Tubes

Please Specify When Ordering by adding an 'R' to the end of the part number and Add \$ 80.00 To the Cost of the Soil Tube

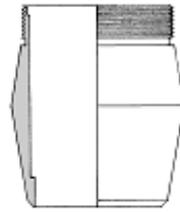
SOIL TUBE BITS & COMPONENTS



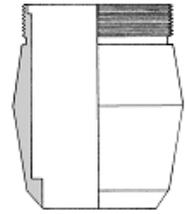
STANDARD TAPER
(Dry Soils)



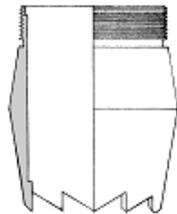
QUICK RELIEF
(Clay / Loam Soils)



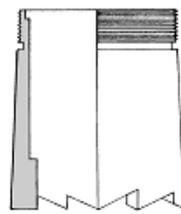
HEAVY QUICK RELIEF
(Heavy Clay Soils)



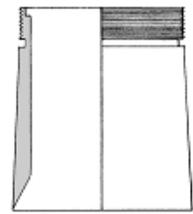
EXTRA HEAVY QUICK RELIEF
(Extra Heavy Expansive Clay Soils)



SAWTOOTH
Hard Soils / Frozen Ground / Where Penetration Problems Exist



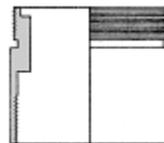
CARBIDE SAWTOOTH
Shale / Sandstone
Extremely Hard Abrasive Materials



REVERSE TAPER (HOLE TRUING ONLY)
To Size Hole For Close Tolerance Fit for Access Tubes

BASKET RETAINER SYSTEM

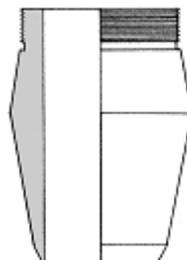
BASKET RETAINER ADAPTER



BASKET RETAINER



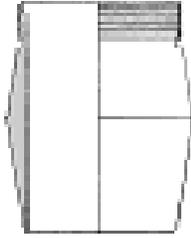
BASKET RETAINER BIT



SOIL TUBE BITS

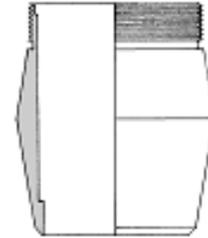
Order by Soil Tube Outside Dimension

STANDARD TAPER:
(Dry Soils)



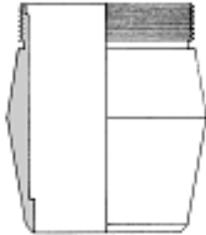
#ST-200	1-1/4"	\$ 78.72
#ST-202	1-5/8"	\$ 77.83
#ST-204	1-3/4"	\$ 76.40
#ST-206	2"	\$ 78.18
#ST-208	2-1/4"	\$ 80.42
#ST-210	2-1/2"	\$ 82.61
#ST-212	2-5/8"	\$ 87.52
#ST-214	3"	\$ 87.79
#ST-216	3-1/4"	\$ 91.69
#ST-218	3-1/2"	\$ 95.55
#ST-219	4"	\$ 113.09
#ST-220	4-1/2"	\$ 130.62

HEAVY QUICK RELIEF:
(Heavy Clay Soils)



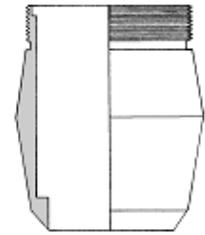
#ST-244	1-1/4"	\$ 83.29
#ST-246	1-5/8"	\$ 82.20
#ST-248	1-3/4"	\$ 80.75
#ST-250	2"	\$ 82.20
#ST-252	2-1/4"	\$ 84.78
#ST-254	2-1/2"	\$ 86.77
#ST-256	2-5/8"	\$ 91.84
#ST-258	3"	\$ 93.44
#ST-260	3-1/4"	\$ 95.86
#ST-262	3-1/2"	\$ 101.87
#ST-263	4"	\$ 119.39
#ST-264	4-1/2"	\$ 136.92

QUICK RELIEF:
(Clay / Loam Soils)



#ST-222	1-1/4"	\$ 81.62
#ST-224	1-5/8"	\$ 80.74
#ST-226	1-3/4"	\$ 79.30
#ST-228	2"	\$ 80.74
#ST-230	2-1/4"	\$ 83.35
#ST-232	2-1/2"	\$ 85.30
#ST-234	2-5/8"	\$ 90.21
#ST-236	3"	\$ 90.48
#ST-238	3-1/4"	\$ 94.39
#ST-240	3-1/2"	\$ 100.42
#ST-241	4"	\$ 117.94
#ST-242	4-1/2"	\$ 135.45

EXTRA HEAVY QUICK RELIEF:
(Extra Heavy Expansive Clay Soils)



#ST-227	1-1/4"	\$ 84.54
#ST-229	1-5/8"	\$ 83.63
#ST-231	1-3/4"	\$ 82.21
#ST-233	2"	\$ 83.63
#ST-235	2-1/4"	\$ 86.43
#ST-237	2-1/2"	\$ 89.87
#ST-239	2-5/8"	\$ 92.36
#ST-243	3"	\$ 94.89
#ST-245	3-1/4"	\$ 97.11
#ST-247	3-1/2"	\$ 105.06
#ST-249	4"	\$ 122.59
#ST-251	4-1/2"	\$ 140.11

BASKET RETAINER SYSTEM:

For Use In Non-Cohesive Soils To Aid In Sample Retention
(Three Component System: Bit, Adapter, Retainer)



BASKET
RETAINER BIT

BASKET
RETAINER

BASKET
RETAINER
ADAPTER

BASKET RETAINER ADAPTER: (Must be used w/ retainer)

Goes Between Soil Tube and Bit & Holds Basket Retainer in place

#ST-600	2"	\$ 86.65
#ST-602	2-1/2"	\$ 94.46
#ST-604	2-5/8"	\$ 107.88
#ST-606	3"	\$ 120.13

BASKET RETAINER: (Red rigid plastic)

#ST-630	2" Red Plastic	\$ 3.66
#ST-632	2-1/2" Red Plastic	\$ 13.98
#ST-634	2-5/8" Red Plastic	\$ 14.64
#ST-636	3" Red Plastic	\$ 15.31

BASKET RETAINER BIT: (This style bit must be used w/ retainer)

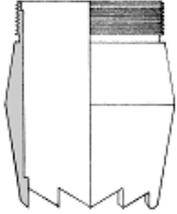
#ST-660	2"	\$ 125.18
#ST-662	2-1/2"	\$ 140.06
#ST-664	2-5/8"	\$ 142.98
#ST-666	3"	\$ 152.33

QUICK RELIEF SAWTOOTH:

(Hard Soils or Where Penetration Problems Exist)

(Requires Solid Soil Tube or Liner Type Soil Tube)

MUST USE VERY SLOW ROTATION SPEED



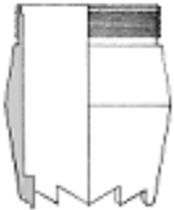
#ST-259	1-1/4"	\$ 204.34
#ST-261	1-5/8"	\$ 203.45
#ST-265	1-3/4"	\$ 204.38
#ST-266	2"	\$ 208.12
#ST-268	2-1/4"	\$ 253.41
#ST-270	2-1/2"	\$ 258.40
#ST-272	2-5/8"	\$ 266.55
#ST-274	3"	\$ 276.86
#ST-276	3-1/4"	\$ 311.70
#ST-278	3-1/2"	\$ 320.87
#ST-279	4"	\$ 365.55
#ST-280	4-1/2"	\$ 410.22

HEAVY QUICK RELIEF SAWTOOTH:

(Hard Soils or Where Penetration Problems Exist)

(Requires Solid Soil Tube or Liner Type Soil Tube)

MUST USE VERY SLOW ROTATION SPEED



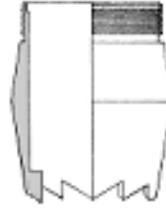
#ST-281	1-1/4"	\$ 206.64
#ST-282	1-5/8"	\$ 205.76
#ST-283	1-3/4"	\$ 206.67
#ST-284	2"	\$ 210.40
#ST-285	2-1/4"	\$ 256.88
#ST-286	2-1/2"	\$ 260.71
#ST-287	2-5/8"	\$ 268.84
#ST-288	3"	\$ 279.15
#ST-289	3-1/4"	\$ 313.99
#ST-290	3-1/2"	\$ 323.16
#ST-291	4"	\$ 367.85
#ST-292	4-1/2"	\$ 412.52

EXTRA HEAVY QUICK RELIEF SAWTOOTH:

(Hard Soils or Where Penetration Problems Exist)

(Requires Solid Soil Tube or Liner Type Soil Tube)

MUST USE VERY SLOW ROTATION SPEED



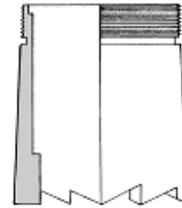
#ST-281X	1-1/4"	\$ 208.94
#ST-282X	1-5/8"	\$ 208.04
#ST-283X	1-3/4"	\$ 208.96
#ST-284X	2"	\$ 212.72
#ST-285X	2-1/4"	\$ 258.01
#ST-286X	2-1/2"	\$ 262.99
#ST-287X	2-5/8"	\$ 271.14
#ST-288X	3"	\$ 281.45
#ST-289X	3-1/4"	\$ 316.29
#ST-290X	3-1/2"	\$ 325.46
#ST-291X	4"	\$ 370.14
#ST-292X	4-1/2"	\$ 414.81

CARBIDE SAWTOOTH:

(Asphalt, , Shale, Sand Stone, Soft Rock, Frozen Ground etc.)

Requires Solid Soil Tube or Liner Type Soil Tube

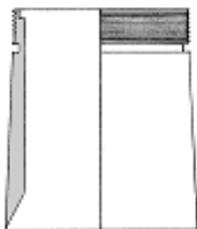
CAN BE USED WITH ANY ROTATION SPEED



#ST-253	2"	\$ 428.75
#ST-255	2-1/4"	\$ 471.31
#ST-257	2-1/2"	\$ 476.30
#ST-267	2-5/8"	\$ 484.44
#ST-269	3"	\$ 507.42
#ST-271	3-1/4"	\$ 567.54
#ST-273	3-1/2"	\$ 576.78
#ST-275	4"	\$ 690.91
#ST-277	4-1/2"	\$ 729.53

REVERSE TAPER SOIL TUBE BIT:

For Hole Sizing & Truing Only / Used to Size Hole for Close Tolerance Fit of any type Access Tubes



#ST-201	1-1/4"	\$ 86.47
#ST-203	1-5/8"	\$ 87.94
#ST-205	1-3/4"	\$ 90.53
#ST-207	2"	\$ 90.61
#ST-209	2-1/4"	\$ 92.24
#ST-211	2-1/2"	\$ 100.42
#ST-213	2-5/8"	\$ 109.79
#ST-215	3"	\$ 114.51
#ST-217	3-1/4"	\$ 121.33
#ST-219	3-1/2"	\$ 126.54
#ST-221	4"	\$ 135.37
#ST-223	4-1/2"	\$ 144.18

STANDARD SOIL TUBE ADAPTERS

Order by Soil Tube Outside Dimension



1-1/4" KELLY BAR

#ST-300	1-1/4"	\$ 144.25
#ST-302	1-5/8"	\$ 148.19
#ST-304	1-3/4"	\$ 152.89
#ST-306	2"	\$ 156.30
#ST-308	2-1/4"	\$ 160.80
#ST-310	2-1/2"	\$ 164.37
#ST-312	2-5/8"	\$ 166.41
#ST-314	3"	\$ 168.44
#ST-316	3-1/4"	\$ 171.17
#ST-318	3-1/2"	\$ 174.79
#ST-320	4"	\$ 186.86
#ST-322	4-1/2"	\$ 221.93

2" KELLY BAR

#ST-301	1-1/4"	\$ 158.62
#ST-303	1-5/8"	\$ 162.59
#ST-305	1-3/4"	\$ 166.27
#ST-307	2"	\$ 170.68
#ST-309	2-1/4"	\$ 174.17
#ST-311	2-1/2"	\$ 178.75
#ST-313	2-5/8"	\$ 181.78
#ST-315	3"	\$ 183.82
#ST-317	3-1/4"	\$ 186.05
#ST-319	3-1/2"	\$ 191.13
#ST-321	4"	\$ 201.24
#ST-323	4-1/2"	\$ 236.30

ADAPTER PINS

Order by Soil Tube Outside Dimension



#ST-400	1-1/4"	\$ 4.29
#ST-402	1-5/8"	\$ 4.39
#ST-404	1-3/4"	\$ 4.46
#ST-406	2"	\$ 4.57
#ST-408	2-1/4"	\$ 4.68
#ST-410	2-1/2"	\$ 4.76
#ST-412	2-5/8"	\$ 4.84
#ST-414	3"	\$ 4.95
#ST-416	3-1/4"	\$ 5.03
#ST-418	3-1/2"	\$ 5.15
#ST-419	4"	\$ 5.23
#ST-420	4-1/2"	\$ 5.30
#ST-450	Replacement 'O' Ring for Pin.....	\$.20

ADAPTER BOLTS

#ST-460	Adapter Bolt Assembly / 1-1/4" Kelly Bar .	\$ 2.64
#ST-462	Adapter Bolt Assembly / 2" Kelly Bar	\$ 2.94

SOIL TUBE CLEANING BRUSH

Order by Soil Tube Outside Dimension



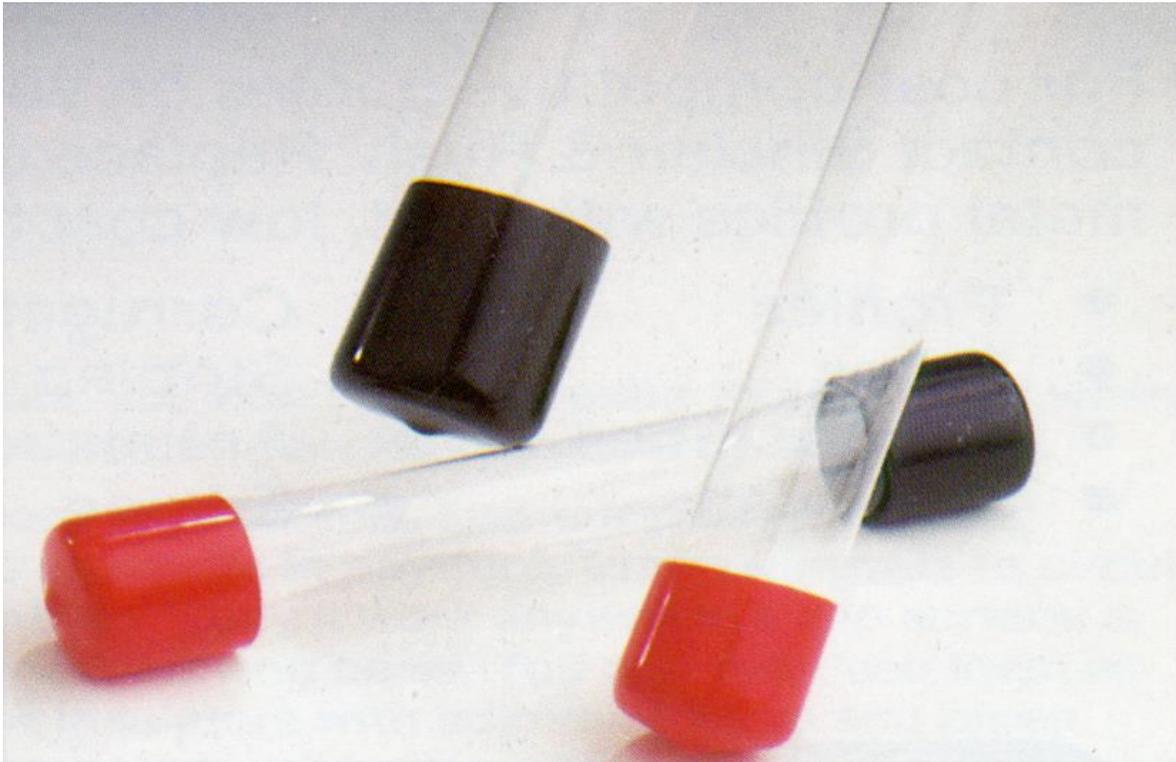
#ST-500	1-1/4"	\$ 23.24
#ST-502	1-5/8"	\$ 26.15
#ST-504	1-3/4"	\$ 27.66
#ST-506	2"	\$ 30.59
#ST-507	2-1/4"	\$ 31.74
#ST-508	2-1/2"	\$ 31.83
#ST-509	2-5/8"	\$ 33.48
#ST-510	3"	\$ 33.64
#ST-511	3-1/4"	\$ 36.78
#ST-512	3-1/2"	\$ 37.26
#ST-513	4"	\$ 39.11
#ST-514	4-1/2"	\$ 40.81

SOIL TUBE CLEANING BRUSH HANDLE

#ST-515	3 Ft. Handle	\$ 40.13
#ST-516	4 Ft. Handle	\$ 43.28
#ST-518	5 Ft. Handle	\$ 46.44

ZERO CONTAMINATION SYSTEM

STEEL – PLASTIC LINER TYPE SOIL TUBES - PLASIC LINERS – CAPS



ZERO CONTAMINATION SYSTEM

To Aid in Removal of Sticky Samples from Tubes

For Sealed Storage or Transportation of Samples

Regular Soil Tube Bits, Adapters and Pins are used with these Tubes located on pages 52, 53, 54

Move straight across page to match Plastic Liners with the Steel Sampling Tubes in the left hand column

STEEL - LINER TYPE SOIL TUBES:

Sized by **Outside** Dimension of Steel Tube

(1-1/4" Tube uses 1" Liner) (2" Tube uses 1-3/4" Liner)
 (2-5/8" Tube uses 2-3/8" Liner) (3-1/2" Tube uses 3-1/8" Liner
 (4" Tube uses 3-5/8" Liner)



STEEL TUBE FOR 6" LONG LINERS:

#ZC-100	1-1/4" x 8-1/2".....	\$ 96.01
#ZC-102	2" x 8-1/2".....	\$ 98.08
#ZC-104	2-5/8" x 8-1/2".....	\$ 115.27
#ZC-106	3-1/2" x 8-1/2".....	\$ 133.46
#ZC-108	4" x 8-1/2".....	\$ 151.65

STEEL TUBE FOR 12" LONG LINERS:

#ZC-110	1-1/4" x 14-1/2".....	\$ 100.23
#ZC-112	2" x 14-1/2".....	\$ 102.37
#ZC-114	2-5/8" x 14-1/2".....	\$ 163.33
#ZC-116	3-1/2" x 14-1/2".....	\$ 164.66
#ZC-118	4" x 14-1/2".....	\$ 166.92

STEEL TUBE FOR 24" LONG LINERS:

#ZC-120	1-1/4" x 26-1/2".....	\$ 108.30
#ZC-122	2" x 26-1/2".....	\$ 110.85
#ZC-124	2-5/8" x 26-1/2".....	\$ 181.38
#ZC-126	3-1/2" x 26-1/2".....	\$ 187.76
#ZC-128	4" x 26-1/2".....	\$ 196.44

STEEL TUBES FOR 36" LONG LINERS:

#ZC-130	1-1/4" x 38-1/2".....	\$ 116.35
#ZC-132	2" x 38-1/2".....	\$ 119.36
#ZC-134	2-5/8" x 38-1/2".....	\$ 199.43
#ZC-136	3-1/2" x 38-1/2".....	\$ 219.56
#ZC-138	4" x 38-1/2".....	\$ 226.02

STEEL TUBES FOR 48" LONG LINERS:

#ZC-140	1-1/4" x 50-1/2".....	\$ 124.40
#ZC-142	2" x 50-1/2".....	\$ 127.85
#ZC-144	2-5/8" x 50-1/2".....	\$ 217.48
#ZC-146	3-1/2" x 50-1/2".....	\$ 236.52
#ZC-148	4" x 50-1/2".....	\$ 255.57

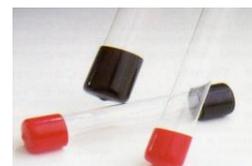
STEEL TUBES FOR 60" LONG LINERS:

#ZC-150	1-1/4" x 62-1/2".....	\$ 132.46
#ZC-152	2" x 62-1/2".....	\$ 136.33

PLASTIC SOIL TUBE LINERS

Made of PTEG Plastic / Inert to Chemicals and Contaminants

(1" Liner fits 1-1/4" Tube) (1-3/4" Liner fits 2" Tube)
 (2-3/8" Liner fits 2-5/8" Tube) (3-1/8" Liner fits 3-1/2" Tube)
 (3-5/8" Liner fits 4" tube)



6" LONG PLASTIC LINERS:

#ZC-200	1" x 6".....	\$.40
#ZC-202	1-3/4" x 6".....	\$.65
#ZC-204	2-3/8" x 6".....	\$ 1.00
#ZC-206	3-1/8" x 6".....	\$ 1.30
#ZC-208	3-5/8" x 6".....	\$ 1.55

12" LONG PLASTIC LINERS:

#ZC-210	1" x 12".....	\$.60
#ZC-212	1-3/4" x 12".....	\$ 1.00
#ZC-214	2-3/8" x 12".....	\$ 1.70
#ZC-216	3-1/8" x 12".....	\$ 2.25
#ZC-218	3-5/8" x 12".....	\$ 2.65

24" LONG PLASTIC LINERS:

#ZC-220	1" x 24".....	\$ 1.00
#ZC-222	1-3/4" x 24".....	\$ 1.75
#ZC-224	2-3/8" x 24".....	\$ 3.05
#ZC-226	3-1/8" x 24".....	\$ 4.10
#ZC-228	3-5/8" x 24".....	\$ 4.90

36" LONG PLASTIC LINERS:

#ZC-230	1" x 36".....	\$ 1.80
#ZC-232	1-3/4" x 36".....	\$ 3.25
#ZC-234	2-3/8" x 36".....	\$ 5.85
#ZC-236	3-1/8" x 36".....	\$ 7.85
#ZC-238	3-5/8" x 36".....	\$ 9.35

48" LONG PLASTIC LINERS:

#ZC-240	1" x 48".....	\$ 1.55
#ZC-242	1-3/4" x 48".....	\$ 3.00
#ZC-244	2-3/8" x 48".....	\$ 5.50
#ZC-246	3-1/8" x 48".....	\$ 7.50
#ZC-248	3-5/8" x 48".....	\$ 9.00

60" LONG PLASTIC LINERS:

#ZC-250	1" x 60".....	\$ 2.10
#ZC-252	1-3/4" x 60".....	\$ 4.30



VINYL END CAPS
Flexible Vinyl Material



RED LINER CAPS:(To Designate TOP of Sample)

#ZC-300	1" Red Caps.....	\$ 0.30
#ZC-302	1-3/4" Red Caps.....	\$ 0.40
#ZC-304	2-3/8" Red Caps.....	\$ 0.60
#ZC-306	3-1/8" Red Caps.....	\$ 1.00
#ZC-308	3-5/8" Red Caps.....	\$ 1.15

BLACK LINER CAPS:(To Designate BOTTOM of Sample)

#ZC-310	1" Black Caps.....	\$ 0.30
#ZC-312	1-3/4" Black Caps.....	\$ 0.40
#ZC-314	2-3/8" Black Caps.....	\$ 0.60
#ZC-316	3-1/8" Black Caps.....	\$ 1.00
#ZC-318	3-5/8" Black Caps.....	\$ 1.15

ZERO CONTAMINATION SYSTEMS

MULTI STAGE SOIL SAMPLING

This Tooling can be used in conjunction with Zero Contamination Tooling On Page 56

FIELD SOIL DISSIPATION STUDIES

0"- 3" x 4 1/2" / 0"- 6" x 4 1/2" / 0"- 8" x 4 1/2"



LINER SOIL TUBE

Sized by **Outside** Dimension of Steel Tube



- #ZC-176 4 3/4" x 5 7/8" (For 3" Long Liner).... \$ 162.40
- #ZC-178 4 3/4" x 8 7/8" (For 6" Long Liner).... \$ 164.89
- #ZC-180 Discontinued / No Longer Available
- #ZC-182 4 3/4" x 10 7/8" (For 8" Long Liner).... \$ 168.32

HOLE CASING TUBE

Sized by **Outside** Dimension of Steel Tube



- #ZC-476 5" x 5 1/2" w/ Plate & Handles(3" Liner)\$ 256.14
- #ZC-478 5" x 8 1/2" w/ Plate & Handles(6" Liner)\$ 258.68
- #ZC-480 Discontinued / No longer Available
- #ZC-482 5" x 10 1/2" w/ Plate & Handles(8" Liner)\$ 263.22

HOLE CASING TUBE / LINER TUBE ADAPTER



- #ZC-580 Discontinued / No Longer Available
- #ZC-582 5" / 4-3/4" Adapter (All Length Tubes).. \$ 356.54

HOLE CASING TUBE / LINER TUBE ADAPTER PIN

- ZC-590 Discontinued / No Longer Available
- ZC-592 5" / 4 3/4" Adapter Pin (2 Required) \$ 10.60

PETG PLASTIC LINER

(4-1/2" Liner fits 4-3/4" Liner Tube)

- #ZC-276 4 1/2" x 3" \$ 2.50
- #ZC-278 4 1/2" x 6" \$ 4.00
- #ZC-282 4-1/2" x 8"..... \$ 4.65

- #ZC-319 4 1/2" Black Plastic Liner Cap \$ 3.00

STEEL LINER TUBES AND STACKABLE ALUMINUM LINERS FOR SECTIONAL SOILS ANALYSIS

(Bulk Density Studies / Root Studies Etc)

STEEL LINER TUBES FOR ALUMINUM LINERS:

Sized by **Outside** Dimension of Steel Tube



- #ZC-160 3-1/4" x 8-1/2"..... \$ 198.56
- #ZC-162 3-1/4" x 14-1/2"..... \$ 311.87
- #ZC-164 3-1/4" x 26-1/2"..... \$ 380.55

ALUMINUM LINERS:

Fit Inside of Liner Tubes Listed Above Only



- #ZC-260 3" x 1cm Long \$ 7.36
- #ZC-262 3" x 1" Long \$ 8.63
- #ZC-263 3" x 2" Long \$ 10.18
- #ZC-264 3" x 3" Long \$ 11.67
- #ZC-265 3" x 4" Long \$ 13.29
- #ZC-266 3" x 6" Long \$ 16.79
- #ZC-268 3" x 12" Long \$ 33.58
- #ZC-270 3" x 24" Long \$ 67.16

Custom Lengths are Available

ZERO CONTAMINATION SYSTEM

HOLE CASING TUBES

Sized by Hole Casing Tube Outside Dimension
 Used as Temporary Casing To Keep Hole Open
 While Retracting Samples
 Eliminates any Possibility of Cross Contamination
 Occurring When Sliding Next Sampling Tube Back Down Hole



USE WITH 8-1/2" LONG LINER TUBES:

#ZC-400	1-5/8" x 9-1/4"	\$ 80.74
#ZC-402	2-3/8" x 9-1/4"	\$ 89.45
#ZC-404	3" x 9-1/4"	\$ 94.34
#ZC-408	4-1/2" x 9-1/4"	\$ 151.07

USE WITH 14-1/2" LONG LINER TUBES:

#ZC-410	1-5/8" x 15-1/4"	\$ 86.22
#ZC-412	2-3/8" x 15-1/4"	\$ 96.76
#ZC-414	3" x 15-1/4"	\$ 102.14
#ZC-418	4-1/2" x 15-1/4"	\$ 171.07

USE WITH 26-1/2" LONG LINER TUBES:

#ZC-420	1-5/8" x 27-1/4"	\$ 95.96
#ZC-422	2-3/8" x 27-1/4"	\$ 111.42
#ZC-424	3" x 27-1/4"	\$ 116.91
#ZC-428	4-1/2" x 27-1/4"	\$ 211.09

USE WITH 38-1/2" LONG LINER TUBES:

#ZC-430	1-5/8" x 39-1/4"	\$ 105.72
#ZC-432	2-3/8" x 39-1/4"	\$ 126.07
#ZC-434	3" x 39-1/4"	\$ 133.36
#ZC-438	4-1/2" x 39-1/4"	\$ 251.08

USE WITH 50-1/2" LONG LINER TUBES:

#ZC-440	1-5/8" x 51-1/4"	\$ 115.48
#ZC-442	2-3/8" x 51-1/4"	\$ 140.68
#ZC-444	3" x 51-1/4"	\$ 148.99
#ZC-448	4-1/2" x 51-1/4"	\$ 291.09

HOLE CASING TUBE EXTENSIONS

Sized by Hole Casing Tube Outside Dimension
 Used to Extend Hole Casing Tubes Down to Desired Depth
 To Keep Hole Open for Continued Sampling in Non-Cohesive and
 Unstable Soil Conditions



2' LONG HOLE CASING TUBE EXTENSIONS:

#ZC-800	1-5/8" X 24"	\$ 168.34
#ZC-802	2-3/8" X 24"	\$ 183.80
#ZC-804	3" X 24"	\$ 190.13
#ZC-808	4-1/2" X 24"	\$ 283.47

4' LONG HOLE CASING TUBE EXTENSIONS:

#ZC-810	1-5/8" X 48"	\$ 187.84
#ZC-812	2-3/8" X 48"	\$ 213.06
#ZC-814	3" X 48"	\$ 221.37
#ZC-818	4-1/2" X 48"	\$ 363.47

LINER TUBE EXTENSIONS

Sized by Liner Tube Outside Dimension
 Used to Extend Liner Type Soil Tubes for Continuous Sampling
 When Using Hole Casing System



2' LONG LINER TUBE EXTENSION:

#ZC-700	1-1/4" X 24"	\$ 162.90
#ZC-702	2" X 24"	\$ 165.45
#ZC-704	2-5/8" X 24"	\$ 213.68
#ZC-708	4" X 24"	\$ 252.23

4' LONG LINER TUBE EXTENSION:

#ZC-710	1-1/4" X 48"	\$ 179.02
#ZC-712	2" X 48"	\$ 182.44
#ZC-714	2-5/8" X 48"	\$ 272.09
#ZC-718	4" X 48"	\$ 310.17

HOLE CASING TUBE ADAPTERS

(These take the place of the regular soil tube adapters)
Sized by Hole Casing Tube Outside Dimension



#ZC-501	1-5/8"	\$ 255.31
#ZC-503	2-3/8"	\$ 257.65
#ZC-505	3"	\$ 260.50
#ZC-509	4-1/2"	\$ 330.06

LINER TUBE EXTENSION PINS

Sized by Liner Tube Outside Dimension



#ZC-900	1-5/8"	\$ 4.39
#ZC-902	2-3/8"	\$ 4.72
#ZC-904	3"	\$ 4.95
#ZC-908	4-1/2"	\$ 5.30

SPLIT BARREL SAMPLER ASSEMBLY



SPLIT BARREL SAMPLING TOOLS

Used for Geotechnical Standard Penetration Tests (SPT's) ONLY

SPLIT BARREL SAMPLERS:



- #SB-100 2" x 24" Split Barrel Assembly..... \$ 299.48
- #SB-102 2-1/2" x 24" Split Barrel Assembly \$ 531.80
- #SB-104 3" x 24" Split Barrel Assembly..... \$ 635.25

REPLACEMENT BITS:



- #SB-200 2" Replacement Bits \$ 82.38
- #SB-202 2-1/2" Replacement Bits \$ 76.87
- #SB-204 3" Replacement Bits \$ 80.82

PLASIC BASKET RETAINERS:



- #SB-400 2" Red Plastic Retainer \$ 3.66
- #SB-402 2-1/2" Red Plastic Retainer \$ 13.98
- #SB-404 3" Red Plastic Retainer..... \$ 15.31

DRILL ROD CONVERSION ADAPTERS:

- #SB-306 AW to AWJ Rod Adapter \$ 290.35



- #SB-307 AWJ to AW Rod Adapter \$ 288.52



- #SB-308 AW to NW Rod Adapter \$ 428.59

SPLIT BARREL SAMPLER TO KELLY BAR ADAPTERS:



- #SB-300 AW Rod Male x 1 1/4" Kelly Bar \$ 150.52
- #SB-301 AW Rod Male x 2" Kelly Bar \$ 164.90



- #SB-302 AWJ Rod Male x 1 1/4" Kelly Bar..... \$ 228.74
- #SB-303 AWJ Rod Male x 2" Kelly Bar..... \$ 243.11



- #SB-304 NW Rod Male x 1 1/4" Kelly Bar \$ 342.31
- #SB-305 NW Rod Male x 2" Kelly Bar \$ 356.68



- #SB-350 AW Rod Female x 1 1/4" KB..... \$ 163.11
- #SB-360 AWJ Rod Female x 1 1/4" KB \$ 228.72

- #SB-352 AW Rod Female x 2" KB..... \$ 180.48
- #SB-362 AWJ Rod Female x 2" KB \$ 245.48

DRIVE ROD COMPONENTS

AW / AWJ ROD COUPLERS:



#AW-100 AW Rod Coupler..... \$ 110.39



#AW-150 AWJ Rod Coupler..... \$ 138.04

AW ROD:

(Requires Coupler / Sold Separately)



#AW-200 1 Ft. AW Rod..... \$ 77.72
 #AW-202 2 Ft. AW Rod..... \$ 90.20
 #AW-204 4 Ft. A W Rod..... \$ 115.20
 #AW-206 5 Ft. AW Rod..... \$ 127.67

AWJ ROD:

(Requires Coupler / Sold Separately)



#AW-250 1 Ft. AWJ Rod..... \$ 97.15
 #AW-252 2 Ft. AWJ Rod..... \$ 112.79
 #AW-254 4 Ft. AWJ Rod..... \$ 143.98
 #AW-256 5 Ft. AWJ Rod..... \$ 159.61

#AW-700 AW Rod Plug..... \$ 53.75
 #AW-702 AWJ Rod Plug..... \$ 62.99

WINCH TYPE SLIP PLATE STYLE AW ROD / AWJ ROD PULLING TOOL

#AW-800 Winch Type / Slip Plate Style Pulling Tool \$ 186.77

DRIVE ROD ACCESSORIES:

AW / AWJ ROD TO KELLY BAR PULLING TOOLS



#AW-400 AW Rod Female Swivel x 1 1/4" KB..... \$ 173.69
 #AW-450 AWJ Rod Female Swivel x 1 1/4" KB \$ 239.34
 #AW-402 AW Rod Female Swivel x 2" KB..... \$ 191.04
 #AW-452 AWJ Rod Female Swivel x 2" KB \$ 256.75

#AW-401 AW Rod Pulling Tool Male x 1 1/4" KB \$ 242.81
 #AW-451 AWJ Rod Pulling Tool Male x 1 1/4" KB..... \$ 308.71
 #AW-403 AW Rod Pulling Tool Male x 2" KB \$ 260.17
 #AW-453 AWJ Rod Pulling Tool Male x 2" KB..... \$ 325.81

AW ROD / AWJ ROD TO WINCH PULLING TOOLS

#AW-600 AW Rod Pulling Tool Female x Winch Loop \$ 161.73
 #AW-650 AWJ Rod Pulling Tool Female x Winch Loop\$ 222.46
 #AW-601 AW Rod Pulling Tool Male x Winch Loop..... \$160.59
 #AW-651 AWJ Rod Pulling Tool Male x Winch Loop.. \$ 215.59

AW ROD / AWJ ROD SLIP TOOL HOLDERS



#AW-300 AW Rod Slip Tool Holder..... \$ 77.02
 #AW-350 AWJ Rod Slip Tool Holder \$ 77.02

GAS VAPOR / WATER SAMPLING

1" DIAMETER SAMPLING ASSEMBLY



#GV-100 1" Complete Assembly \$ 680.53



#GV-110 1" Collector Body \$ 230.53



#GV-120 1" Slip Shaft \$ 339.92



#GV-130 1" Drive Point \$ 110.08

1" DIAMETER DRIVE ROD



#GV-200 1" x 6" Drive Rod \$ 55.77

#GV-210 1" x 12" Drive Rod \$ 68.36

#GV-220 1" x 24" Drive Rod \$ 80.94

#GV-230 1" x 36" Drive Rod \$ 93.52

#GV-240 1" x 48" Drive Rod \$ 106.11

#GV-250 1" x 60" Drive Rod \$ 118.71

1" DIAMETER DRIVE ROD COUPLER



#GV-300 1" Drive Rod Coupler \$ 91.23



#GV-350 1" Drive Rod Slip Tool Holder \$ 77.02

1" DIAMETER DRIVE ROD ADAPTER



#GV-400 1" Drive Rod Adapter \$ 276.65

1 3/4" DIAMETER (AW ROD) SAMPLING ASSEMBLY



#GV-500 1 3/4" Complete Assembly \$ 847.17



#GV-510 1 3/4" Collector Body \$ 320.55



#GV-520 1 3/4" Slip Shaft \$ 386.70



#GV-530 1 3/4" Drive Point \$ 139.92

1 3/4" DIAMETER (AW-ROD) DRIVE ROD



#GV-600 1 3/4" x 6" Drive Rod \$ 71.49

#GV-610 1 3/4" x 12" Drive Rod \$ 77.72

#GV-620 1 3/4" x 24" Drive Rod \$ 90.20

#GV-630 1 3/4" x 36" Drive Rod \$ 108.97

#GV-640 1 3/4" x 48" Drive Rod \$ 115.20

#GV-650 1 3/4" x 60" Drive Rod \$ 127.67

1 3/4" DIAMETER DRIVE ROD COUPLER



#GV-700 1 3/4" Drive Rod Coupler \$ 110.39



#GV-750 1 3/4" Drive Rod Slip Tool Holder \$ 77.02

1 3/4" DIAMETER DRIVE ROD ADAPTER



#GV-800 1 3/4" Drive Rod Adapter \$ 298.49

UNIVERSAL
BUCKET AUGER



UNIVERSAL BUCKET AUGER
(For Non-Cohesive Soils)
Coarse Sands & Small Gravel

SINGLE SECTION
FLIGHT AUGER



Permanent Kelly Bar Top Connection
Permanent Split Bit
Can Be Extended Deeper w/ Kelly Bar

UNIVERSAL BUCKET AUGER:
(Designed to be used in Sand & Fine Gravel)



12" LONG

#UA-100	2" x 12".....	\$ 193.84
#UA-102	3" x 12".....	\$ 211.24
#UA-104	4" x 12".....	\$ 284.41

24" LONG

#UA-106	2" x 24".....	\$ 201.80
#UA-108	3" x 24".....	\$ 222.96
#UA-110	4" x 24".....	\$ 307.01

36" LONG

#UA-112	2" x 36".....	\$ 209.76
#UA-114	3" x 36".....	\$ 234.68
#UA-116	4" x 36".....	\$ 329.61

48" LONG

#UA-118	2" x 48".....	\$ 217.72
#UA-120	3" x 48".....	\$ 246.40
#UA-122	4" x 48".....	\$ 352.21

60" LONG

#UA-124	2" x 60".....	\$ 225.68
#UA-126	3" x 60".....	\$ 258.12
#UA-128	4" x 60".....	\$ 374.81

ADAPTERS



#UA-200	2" Adapter.....	\$ 235.94
#UA-202	3" Adapter.....	\$ 261.14
#UA-204	4" Adapter.....	\$ 286.28

ADAPTER PINS:

(No O-Ring / Groove Only For Spring Loaded Ball in Adapter)



#UA-300	2" Pin.....	\$ 8.27
#UA-302	3" Pin.....	\$ 8.31
#UA-304	4" pin.....	\$ 8.35

SINGLE SECTION FLIGHT AUGER:
(Designed to Drill in Softer Soils)

Permanent Split Cutting Bit and Square Kelly Bar Top Connection



#FA-106	2" x 36" (Split Bit).....	\$ 217.92
#FA-108	2" x 48" (Split Bit).....	\$ 235.83
#FA-110	2" x 60" (Split Bit).....	\$ 253.77
#FA-112	3" x 36" (Split Bit).....	\$ 273.43
#FA-114	3" x 48" (Split Bit).....	\$ 296.48
#FA-116	3" x 60" (Split Bit).....	\$ 319.53
#FA-118	4" x 36" (Split Bit).....	\$ 282.11
#FA-120	4" x 48" (Split Bit).....	\$ 305.16
#FA-122	4" x 60" (Split Bit).....	\$ 328.21

(Special Order Only)
 Cost=Time & Materials

#FA-124	6" x 36" (Spade Bit).....	\$
#FA-126	6" x 48" (Spade Bit).....	\$
#FA-128	6" x 60" (Spade Bit).....	\$
#FA-130	8" x 36" (Spade Bit).....	\$
#FA-132	8" x 48" (Spade Bit).....	\$
#FA-134	8" x 60" (Spade Bit).....	\$
#FA-136	10" x 36" (Spade Bit).....	\$
#FA-138	10" x 48" (Spade Bit).....	\$
#FA-140	10" x 60" (Spade Bit).....	\$
#FA-142	12" x 36" (Spade Bit).....	\$
#FA-144	12" x 48" (Spade Bit).....	\$
#FA-146	12" x 60" (Spade Bit).....	\$
#FA-148	14" x 36" (Spade Bit).....	\$
#FA-150	14" x 48" (Spade Bit).....	\$
#FA-152	14" x 60" (Spade Bit).....	\$
#FA-154	16" x 36" (Spade Bit).....	\$
#FA-156	16" x 48" (Spade Bit).....	\$
#FA-158	16" x 60" (Spade Bit).....	\$
#FA-160	18" x 36" (Spade Bit).....	\$
#FA-162	18" x 48" (Spade Bit).....	\$
#FA-164	18" x 60" (Spade Bit).....	\$

CONTINUOUS AUGERS & COMPONENTS



CONTINUOUS AUGERS:

For Continuous Drilling
Uses Male & Female Hex Ends for Connections



#CA-200	2" x 36"	\$ 193.93
#CA-202	2" x 48"	\$ 213.71
#CA-204	2" x 60"	\$ 233.47
#CA-206	3" x 36"	\$ 245.77
#CA-208	3" x 48"	\$ 272.65
#CA-210	3" x 60"	\$ 299.53
#CA-212	4" x 36"	\$ 254.88
#CA-214	4" x 48"	\$ 284.30
#CA-216	4" x 60"	\$ 313.73
#CA-218	6" x 36"	\$ 330.89
#CA-220	6" x 48"	\$ 366.38
#CA-222	6" x 60"	\$ 401.89
#CA-224	8" x 36"	\$ 460.12
#CA-226	8" x 48"	\$ 542.54
#CA-228	8" x 60"	\$ 624.96
#CA-230	10" x 36"	\$ 551.58
#CA-232	10" x 48"	\$ 642.82
#CA-234	10" x 60"	\$ 734.06
#CA-236	12" x 36"	\$ 575.74
#CA-238	12" x 48"	\$ 674.91
#CA-240	12" x 60"	\$ 774.22
#CA-242	14" x 36"	\$ 599.88
#CA-244	14" x 48"	\$ 707.30
#CA-246	14" x 60"	\$ 814.56
#CA-248	16" x 36"	\$ 624.78
#CA-250	16" x 48"	\$ 740.42
#CA-252	16" x 60"	\$ 856.06
#CA-254	18" x 36"	\$ 649.38
#CA-256	18" x 48"	\$ 773.22
#CA-258	18" x 60"	\$ 897.31

2" Augers Have 13/16" Hex – Drive Ends

3" – 4" – 6" Augers Have 1 1/8" Hex – Drive Ends

8" & Larger Augers Have 1 5/8" Hex Drive Ends

AUGER CONNECTING DRIVE PINS:

(For Connecting Augers Together)



These are sized by the Hex Ends in the Auger

#CA-500	13/16"	\$ 3.77
#CA-502	1-1/8"	\$ 3.99
#CA-504	1-5/8"	\$ 4.80

ADAPTER BOLT & NUT ASSEMBLY:

(For Connecting Hex Adapter to Kelly Bar)

#CA-550	3/8" x 2 1/4"	\$ 1.68
#CA-552	3/8" x 3 1/4"	\$ 2.66

HEX ADAPTERS:

For Connecting Continuous Augers to Kelly Bar



1 1/4" Kelly Bar (For #5-#15-#25 Series Machines)

#CA-600	13/16" Hex	\$ 133.20
#CA-602	1 1/8" Hex	\$ 156.75
#CA-604	1 5/8" Hex	\$ 234.23

2" Kellev Bar (#35 Series Machines Only)

#CA-650	13/16" Hex	\$ 215.19
#CA-652	1 1/8" Hex	\$ 284.44
#CA-654	1 5/8" Hex	\$ 315.83

UNIVERSAL JOINT HEX ADAPTERS

For Connecting Continuous Augers to Kelly Bar
Allows for Easier/Faster Connections

1 1/4" Kelly Bar (#5-#15-#25 Series Machines)

#CA-700	13/16" Hex	\$
#CA-702	1 1/8" Hex	\$
#CA-704	1 5/8" Hex	\$

2" Kelly Bar (#35 Series Machines Only)

#CA-750	13/16" Hex	\$ 1,022.54
#CA-752	1 1/8" Hex	\$ 1,253.27
#CA-754	1 5/8" Hex	\$ 1,435.91

CARBIDE AUGER HEADS:



#CA-300 2-1/2" Cast Carbide Head \$ 103.07



#CA-302 3-1/2" Cast Carbide Head \$ 158.82



#CA-307 4-1/2" Fabricated Steel Carbide Head..... \$ 255.82



#CA-309 6-1/2" Fabricated Steel Carbide Head..... \$ 339.99



#CA-311 8-1/2" Fabricated Steel Carbide Head..... \$ 484.32

#CA-313 10-1/2" Fabricated Steel Carbide Head..... \$ 620.37

#CA-315 12-1/2" Fabricated Steel Carbide Head..... \$ 653.04

#CA-317 14 1/2" Fabricated Steel Carbide Head \$ 668.52

#CA-319 16 1/2" Fabricated Steel Carbide Head \$ 683.77

#CA-321 18 1/2" Fabricated Steel Carbide Head..... \$ 698.94

CARBIDE REPLACEMENT TEETH:



#CA-320 2-1/2" Teeth/2 used in #CA-300..... \$ 14.81



#CA-322 3-1/2" Teeth/2 used in #CA-302..... \$ 14.95



#CA-325 Split Center Teeth used in all Heads..... \$ 31.20

-OR-



#CA-326 Spade Center Teeth used in All Heads \$ 29.90

#CA-327 1/8" Nails (Retain Teeth / All Heads)..... \$.10



#CA-329 4 1/2" Teeth / 2 used in CA-307 \$ 14.95

#CA-331 6 1/2" Teeth / 4 used in CA-309..... \$ 14.95

#CA-333 8 1/2" Teeth / 8 used in CA-311 \$ 14.95

#CA-335 10 1/2" Teeth / 10 used in CA-313 \$ 14.95

#CA-337 12 1/2" Teeth / 12 used in CA-315 \$ 14.95

#CA-339 14 1/2" Teeth / 14 used in CA-317 \$ 14.95

#CA-341 16 1/2" Teeth / 16 used in CA-319 \$ 14.95

#CA-343 18 1/2" Teeth / 18 used in CA-321 \$ 14.95

SOIL/SOFT CLAY AUGER HEADS:

HEAD W/ SPLIT BIT:



#CA-400	2-1/2" Head w/ Split Bit.....	\$ 136.30
#CA-402	3-1/2" Head w/ Split Bit.....	\$ 190.04
#CA-404	4-1/2" Head w/ Split Bit.....	\$ 205.37
#CA-406	6-1/2" Head w/ Split Bit.....	\$ 230.98
#CA-408	8-1/2" Head w/ Split Bit.....	\$ 394.37
#CA-410	10-1/2" Head w/ Split Bit.....	\$
#CA-412	12-1/2" Head w/ Split Bit.....	\$
#CA-414	14-1/2" Head w/ Split Bit.....	\$
#CA-416	16-1/2" Head w/ Split Bit.....	\$
#CA-418	18-1/2" Head w/ Split Bit.....	\$

REPLACEMENT SPLIT BITS:



#CA-401	2-1/2" Split Bit.....	\$ 49.13
#CA-403	3-1/2" Split Bit.....	\$ 62.08
#CA-405	4-1/2" Split Bit.....	\$ 76.85
#CA-407	6-1/2" Split Bit.....	\$ 94.25
#CA-409	8-1/2" Split Bit.....	\$ 228.82
#CA-411	10-1/2" Split Bit.....	\$
#CA-413	12-1/2" Split Bit.....	\$
#CA-415	14-1/2" Split Bit.....	\$
#CA-417	16-1/2" Split Bit.....	\$
#CA-418	18-1/2" Split Bit.....	\$

HEAD W/ SPADE BIT:



#CA-420	2-1/2" Head w/ Spade Bit.....	\$ 130.78
#CA-422	3-1/2" Head w/ Spade Bit.....	\$ 186.35
#CA-424	4-1/2" Head w/ Spade Bit.....	\$ 201.70
#CA-426	6-1/2" Head w/ Spade Bit.....	\$ 227.29
#CA-428	8-1/2" Head w/ Spade Bit.....	\$ 390.70
#CA-430	10-1/2" Head w/ Spade Bit.....	\$
#CA-432	12-1/2" Head w/ Spade Bit.....	\$
#CA-434	14-1/2" Head w/ Spade Bit.....	\$
#CA-436	16-1/2" Head w/ Spade Bit.....	\$
#CA-438	18-1/2" Head w/ Spade Bit.....	\$

REPLACEMENT SPADE BITS:



#CA-421	2-1/2" Spade.....	\$ 45.46
#CA-423	3-1/2" Spade.....	\$ 58.39
#CA-425	4-1/2" Spade.....	\$ 73.18
#CA-427	6-1/2" Spade.....	\$ 90.58
#CA-429	8-1/2" Spade.....	\$ 219.13
#CA-431	10-1/2" Spade Bit.....	\$
#CA-433	12-1/2" Spade Bit.....	\$
#CA-435	14-1/2" Spade Bit.....	\$
#CA-437	16-1/2" Spade Bit.....	\$
#CA-439	18-1/2" Spade Bit.....	\$

BIT BOLT ASSEMBLY:



#CA-480	2-1/2" Head.....	\$ 0.92
#CA-482	3-1/2" – 18-1/2" Heads.....	\$ 1.06

AUGER ACCESSORIES:

AUGER SLIP TOOL HOLDERS:



#AA-700	2" Continuous Auger.....	\$ 75.87
#AA-702	3" Continuous Auger.....	\$ 78.13
#AA-704	4" Continuous Auger.....	\$ 79.99
#AA-706	6" Continuous Auger.....	\$ 81.84
#AA-708	8" Continuous Auger.....	\$ 98.74
#AA-720	2-1/4" Hollow Stem Auger.....	\$ 84.62
#AA-722	2-3/4" Hollow Stem Auger.....	\$ 89.88
#AA-724	3-1/4" Hollow Stem Auger.....	\$ 94.23
#AA-726	4-1/4" Hollow Stem Auger.....	\$ 99.68

AUGER GUIDES: (Plug Into Square Holes at Bottom of Mast)
(Used to start auger on a hard surface to keep from walking)

#AA-800	2" Auger.....	\$ 122.46
#AA-802	3" Auger.....	\$ 135.02
#AA-804	4" Auger.....	\$ 147.87
#AA-806	6" Auger.....	\$ 162.11
#AA-808	8" Auger.....	\$ 174.17
#AA-810	10" Auger.....	\$
#AA-812	12" Auger.....	\$
#AA-814	14" Auger.....	\$
#AA-816	16" Auger.....	\$
#AA-818	18" Auger.....	\$
#AA-820	2-1/4" Hollow Stem Auger.....	\$ 169.44
#AA-822	2-3/4" Hollow Stem Auger.....	\$ 172.71
#AA-824	3-1/4" Hollow Stem Auger.....	\$ 175.25
#AA-826	4-1/4" Hollow Stem Auger.....	\$ 177.90

AUGER RETRIEVERS:



#AA-900	2" Continuous Auger.....	\$ 226.92
#AA-902	3" Continuous Auger.....	\$ 298.20
#AA-904	4" Continuous Auger.....	\$ 309.71
#AA-906	6" Continuous Auger.....	\$ 378.10
#AA-908	8" – 18" Continuous Auger.....	\$ 405.82
#AA-920	2-1/4" Hollow Stem Auger.....	\$ 434.62
#AA-922	2-3/4" Hollow Stem Auger.....	\$ 443.31
#AA-924	3-1/4" Hollow Stem Auger.....	\$ 449.62
#AA-926	4-1/4" Hollow Stem Auger.....	\$ 456.14

AUGER PULLING TOOL:

#AA-950	13/16" Hex w/ Loop – Winch Type.....	\$ 154.75
#AA-952	1 1/8" Hex w/ Loop – Winch Type.....	\$ 174.67
#AA-954	1 5/8" Hex w/ Loop – Winch Type.....	\$ 238.43

HOLLOW STEM AUGERS & COMPONENTS



HOLLOW STEM HEAD

HOLLOW STEM AUGER

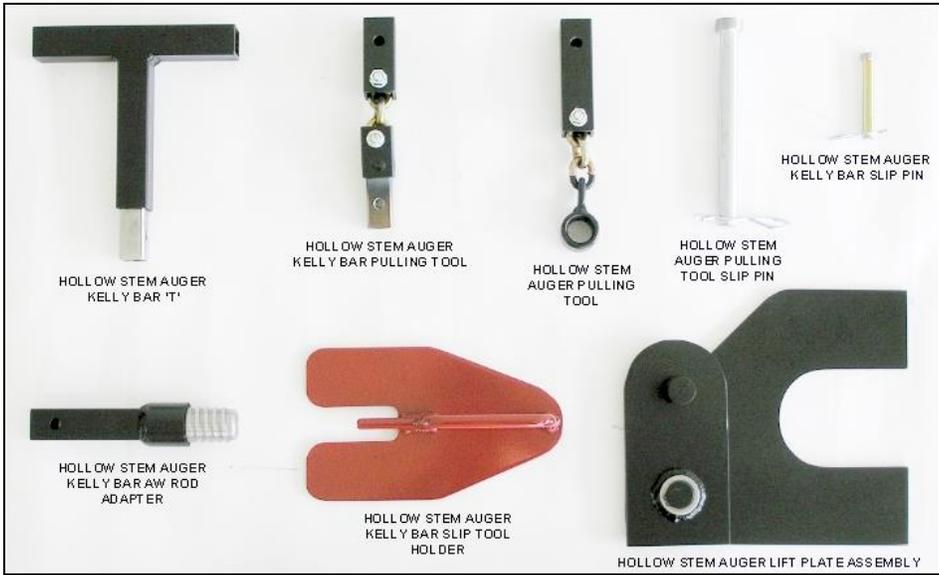
HOLLOW STEM ADAPTER



AW ROD

KELLY BAR

HOLLOW STEM AUGER ACCESSORIES (KELLY BAR CENTER DRIVE)



HOLLOW STEM AUGER KELLY BAR 'T'

HOLLOW STEM AUGER KELLY BAR PULLING TOOL

HOLLOW STEM AUGER PULLING TOOL

HOLLOW STEM AUGER PULLING TOOL SLIP PIN

HOLLOW STEM AUGER KELLY BAR SLIP PIN

HOLLOW STEM AUGER KELLY BAR AW ROD ADAPTER

HOLLOW STEM AUGER KELLY BAR SLIP TOOL HOLDER

HOLLOW STEM AUGER LIFT PLATE ASSEMBLY

HOLLOW STEM AUGERS:

Used for monitor well installation & to facilitate continuous sampling in unstable soil conditions by using auger stem as temporary casing.
Diameter Dimension is by Inside Diameter of Hole Through Center



HOLLOW STEM AUGER



#HA-600	2-1/4" x 48"	\$ 402.81
#HA-602	2-1/4" x 60"	\$ 432.21
#HA-604	2-3/4" x 48"	\$ 410.62
#HA-606	2-3/4" x 60"	\$ 438.13
#HA-608	3-1/4" x 48"	\$ 432.18
#HA-610	3-1/4" x 60"	\$ 454.26
#HA-612	4-1/4" x 48"	\$ 622.69
#HA-614	4-1/4" x 60"	\$ 651.84

HOLLOW STEM AUGER CARBIDE HEADS:



#HA-700	2-1/4"	\$ 484.50
#HA-702	2-3/4"	\$ 501.00
#HA-704	3-1/4"	\$ 520.50
#HA-706	4-1/4"	\$ 786.00

CARBIDE REPLACEMENT TEETH:



#HA-720	2-1/4"	\$ 15.98
#HA-722	2-3/4"	\$ 15.98
#HA-724	3-1/4"	\$ 15.98
#HA-726	4-1/4"	\$ 15.98

HOLLOW STEM AUGER CENTER HEAD ASSEMBLY



#HA-750	2-1/4" Center Head Assembly-AW Rod.....	\$ 249.57
#HA-751	2 1/4" Center Head Assembly-AWJ Rod	\$ 259.29
#HA-752	2-3/4" Center Head Assembly-AW Rod.....	\$ 275.52
#HA-753	2 3/4" Center Head Assembly-AWJ Rod	\$ 285.24
#HA-754	3-1/4" Center Head Assembly-AW Rod.....	\$ 278.30
#HA-755	3 1/4" Center Head Assembly-AWJ Rod	\$ 288.02
#HA-756	4-1/4" Center Head Assembly-AW Rod.....	\$ 489.15
#HA-757	4 1/4" Center Head Assembly-AWJ Rod	\$ 498.87

HOLLOW STEM AUGER CENTER HEAD TEETH



#HA-751	2-1/4" Replacement Head.....	\$ 61.80
#HA-753	2-3/4" Replacement Head.....	\$ 62.03
#HA-755	3-1/4" Replacement Head.....	\$ 71.10
#HA-757	4-1/4" Replacement Head.....	\$ 255.82

HOLLOW STEM AUGER CONNECTING BOLTS:



#HA-820	Connecting Bolts	\$ 6.31
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#HA-822	Connecting Bolt Bung Thread Tap.....	\$ 36.30
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#HA-824	Connecting Bolt Replacement Bung.....	\$ 8.51
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HOLLOW STEM ADAPTER: AW ROD DRIVE CTR



#HA-800	2-1/4" (1-1/4" Kelly Bar).....	\$ 410.58
#HA-802	2-3/4" (1-1/4" Kelly Bar).....	\$ 417.34
#HA-804	3-1/4" (1-1/4" Kelly Bar).....	\$ 498.04
#HA-806	4-1/4" (1-1/4" Kelly Bar).....	\$ 579.63
#HA-860	2-1/4" (2" Kelly Bar).....	\$ 431.11
#HA-862	2-3/4" (2" Kelly Bar).....	\$ 438.21
#HA-864	3-1/4" (2" Kelly Bar).....	\$ 522.94
#HA-866	4-1/4" (2" Kelly Bar).....	\$ 608.61

HOLLOW STEM AUGER AW / AWJ ROD ADAPTER:



#HA-850	2-1/4" AW Rod Adapter	\$ 102.65
#HA-852	2-3/4" AW Rod Adapter	\$ 107.53
#HA-854	3-1/4" AW Rod Adapter	\$ 110.32
#HA-856	4-1/4" AW Rod Adapter	\$ 132.11
#HA-851	2-1/4" AWJ Rod Adapter	\$ 113.58
#HA-853	2-3/4" AWJ Rod Adapter	\$ 118.46
#HA-855	3-1/4" AWJ Rod Adapter	\$ 121.25
#HA-857	4-1/4" AWJ Rod Adapter	\$ 143.04

AW / AWJ ROD CENTER DRIVE



#AW-100	AW Rod Coupler	\$ 110.39
#AW-150	AWJ Rod Coupler.....	\$ 138.04



#AW-204	4 Ft. A W Rod.....	\$ 115.20
#AW-206	5 Ft. AW Rod.....	\$ 143.98
#AW-254	4 Ft. AWJ Rod.....	\$ 127.67
#AW-256	5 Ft. AWJ Rod.....	\$ 159.61



#AW-300	AW Rod Slip Tool Holder	\$ 77.02
#AW-350	AWJ Rod Slip Tool Holder.....	\$ 77.02



#AW-400	AW Rod Pulling Tool	\$ 173.69
#AW-450	AWJ Rod Pulling Tool	\$ 239.34

HOLLOW STEM ADAPTER: 1 1/4" KELLY BAR DRIVE CTR



#HA-801	2 1/4".....	\$ 386.76
#HA-803	2 3/4".....	\$ 392.91
#HA-805	3 1/4"	\$ 466.28
#HA-807	4 1/4".....	\$ 579.63



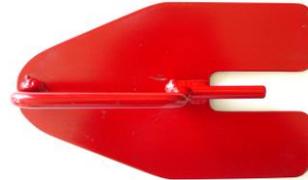
#HA-809	Kelly Bar Ctr/AW Rod Adapter	\$ 120.62
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#HA-810	Adapter Bolt (3/8" x 1 3/4").....	\$ 2.64
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#HA-812	Slip Pin (7/16" x 3 1/8").....	\$ 5.10
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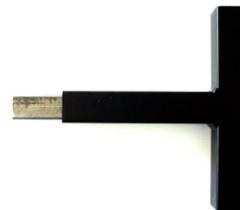


#HA-814	Slip Tool Holder.....	\$ 99.37
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#HA-816	Kelly Bar Pulling Tool / Kelly bar Type	\$ 105.26
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HA-817	Kelly bar Pulling Tool / Winch Type	\$ 132.64
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#HA-818	Kelly Bar "T"	\$ 88.57
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KELLY BAR / CENTER DRIVE



#KB-304	4 Ft. HD Kelly Bar	\$ 283.05
#KB-305	5 Ft. HD Kelly Bar	\$ 311.50

REPLACEMENT 'O' RINGS:



#HA-900	2-1/4"	\$ 0.70
#HA-902	2-3/4"	\$ 0.95
#HA-904	3-1/4"	\$ 1.10
#HA-906	4-1/4"	\$ 1.55

HOLLOW STEM AUGER LIFT PLATE ASSEMBLY



#HA-830	2 1/4" Lift Plate Assembly.....	\$ 244.45
#HA-832	2 3/4" Lift Plate Assembly.....	\$ 248.76
#HA-834	3 1/4" Lift Plate Assembly.....	\$ 253.01
#HA-836	4 1/4" Lift Plate Assembly.....	\$ 258.26

HOLLOW STEM AUGER PULLING TOOLS



#HA-840	Hollow Stem Pulling Too / Kelly Bar.....	\$ 84.95
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#HA-841	Hollow Stem Pulling Tool / Winch.....	\$ 81.36
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#HA-842	Pulling Tool Slip Pin (3/4" x 7 3/4")	\$ 14.21
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Order Form

Giddings Machine Company, Inc.

631 Technology Circle
Windsor, CO 80550 USA

Toll-free: 1-800-611-0404

Fax: (970) 674-0542

Phone: (970) 674-0259

E-mail: giddings@soilsample.com

Website: www.soilsample.com



INV#: _____

DATE: _____

ACCT #: _____

PO #: _____

SALESPERSON: _____

BILL TO: _____

SHIP TO: _____

MODEL: _____ **CUSTOMER CONTACT:** _____

SERIAL: _____ **PHONE NUMBER:** _____

TERMS: _____ **SHIPPING INSTRUCTIONS:** _____

ITEM #	QTY	PART #	DESCRIPTION	PRICE EACH	TOTAL
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

VISA / MASTER CARD INFORMATION

Exp _____ Code _____ Zip _____

Name _____

All Orders are F.O.B.
Fort Collins, CO

Shipping Instructions &
Terms must be approved

Subtotal	
Total	

NOTES

