

BED LOAD SAMPLING

The Bed load Samplers are designed to sample sand, silt, gravel or rock debris carried by a stream on or immediately above its bed. Bed load materials have particle sizes or a density that doesn't allow movement far above or for long distances out of contact with the streambed. The standard sampler bags come with a 250 micron mesh size (ASTM specs) made out of nylon for excellent abrasion resistance. Bags can also be provided with 125, 500, and 1000 micron openings as required.

This is a 65 lb. (29.5 kg) cable-suspended bedload sampler with 3" x 3" (76 mm x 76 mm) opening and 1.4 expansion ratio. A tailfin arrangement provides flow direction orientation and sliding collar allows adjustment of balance point based on streamflow conditions. The collar is set so that the sampler will touch the water tail first to aid in rapid orientation with the streamlines of flow. This suspension attitude also insures that the sampler orifice will lift up immediately when the unit is raised from the bed to eliminate loss of sample. This sampler uses a style #3 nylon mesh sampler bag (sold Separately).

- 404-005 US BL-84 84 lbs.
- 404-028 Bag, Sediment, Style 3, 250 micron mesh size
- 404-028-1 Bag, Sediment, Style 3, 125 micron mesh size
- 404-028-2 Bag, Sediment, Style 3, 500 micron mesh size
- 404-028-3 Bag, Sediment, Style 3, 1000 micron mesh size

