

Pre-Fabricated Pipe Pockets

Pipe pockets are small diameter sleeves through the steel support beams in soldier pile retaining structures. The pipe sleeve provides a penetration area that allows anchor bar to be drilled and grouted into the soils for additional support near the top of the wall. Conventionally, pipe pockets have been fabricated on-site, which is time-consuming and costly. To minimize project disruption and budget issues, Skyline Steel now offers steel support beams with pre-fabricated pipe pockets.

► GeoStructures 101

Beam and lagging structures, also known as soldier piles, are a common method of support of excavation and earth stabilization. Soil conditions, readily available material, and standard installation equipment make this method of construction economical. In addition, many qualified contractors are able to drive or drill support beams in place, so the bids for these services are usually quite competitive.

Soldier piles and/or beams derive strength from a combination of toe embedment in the ground and material stiffness. As the exposed height of the wall increases, so does the loading. There is a design break-even point when the depth of the pile is maximized and anchoring above grade is more feasible. Pipe pockets provide the additional support giving resistance to the lateral forces and limit deflection at or near the top.

► Putting Money in Your Pockets

Skyline can fabricate pipe pockets to varied angles from 0 to 30 degrees. We also produce pockets from angle or channel sections and supply the accompanying hardware, including full coil nuts, lock nuts, washers, engagement couplers, and anchor plates.

As the premiere supplier of H-beams and wide flange beams, Skyline is called upon to meet the material needs of foundation contractors throughout North America. Availability, reliability, quality, and price are among the reasons why contractors turn to Skyline Steel, but beyond those qualities, what else can a “supplier” do?

In the past, our manufacturing and fabrication facilities have independently offered materials and services. Not until this application have they combined to provide as much value. Pre-fabricated beams with pipe pockets is a sole-source solution to the geo-structural market that reduces field labor cost, time, and aggravation and puts money back into the contractors’ and owners’ pockets.

► Delivering Material with Value

Vendors supply product. A foundation partner possesses the skill set to deliver the engineered material solution. This customer focus has allowed Skyline to shed the vendor role and establish a level of service that is creating a new industry standard. So if you are a general or foundation contractor, turn to the most trusted source in piling for your geo-structural solutions.



Skyline Steel has multiple strategic locations throughout North America



Typical beam and lagging shoring application constructed with materials from Skyline Steel



Schedule 40 black steel pipes with 9 5/8 inches x 7/16 inch pipe pockets



ASTM A722 grade 150 threaded anchor bars used with pipe pockets