Expansion Anchor Bolts for Floor-Standing Equipment

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Fasteners & Hardware

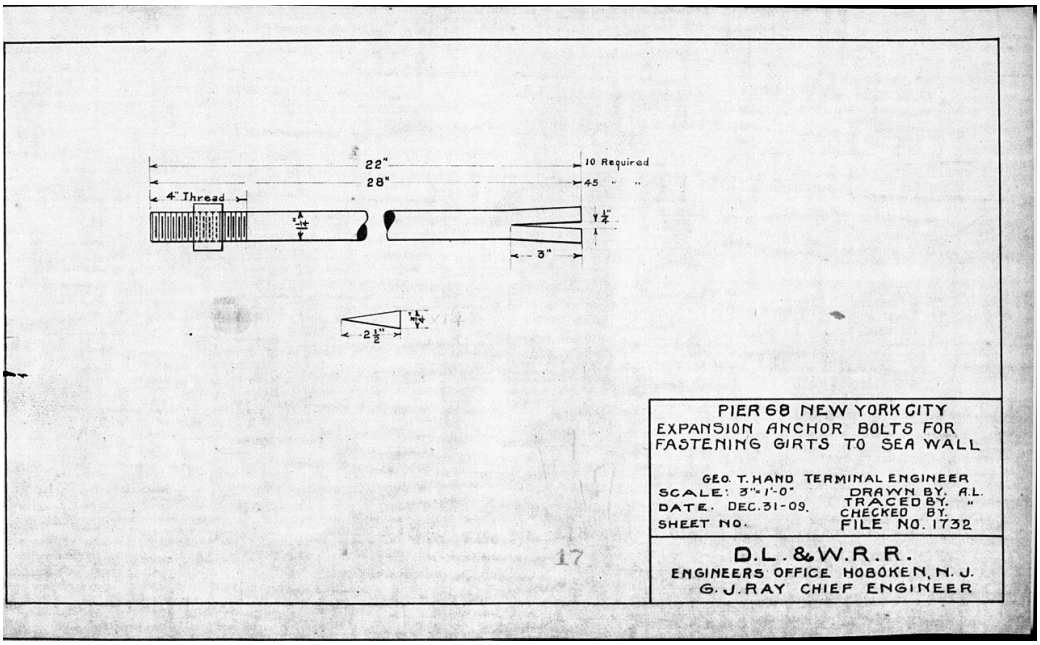

Photo: Unknown authorUnknown author — Public domain — via Wikimedia Commons (File-00173.BA001--Pier_no._68-Expansion_anchor_bolts_for_fastening_girts_to_sea_wall---North_River--New_York_City,_NY_-1909.12.31-_(df3595bb-a26b-49e1-9c15-bd7ddfc282f3).jpg)

Expansion anchor bolts fix floor-standing equipment to concrete, expanding against the hole wall as the bolt tightens to hold machines, benches and racks firmly in place. They stop equipment walking, tipping and vibrating loose.

Key Features

- Metric sizes M8-M24
- Expanding sleeve mechanisms
- Through-bolt and stud types
- Zinc and stainless finishes
- Load-rated fixings

Typical Uses in the Workshop

- Bolt down heavy machines and benches
- Anchormade racks and cabinets
- Fix guarding and rails to floors
- Stabilise equipment under load

Safe Operation

1. Mark the hole positions from the base
2. Drill with a hammer drill to depth
3. Clean the hole of dust
4. Insert the anchor and tighten
5. Check the equipment is secure

SAFETY NOTES

- Check for pipes and cables in the slab first
- Wear eye protection when drilling
- Tighten to the correct torque
- Do not reuse pulled anchors
- Check anchors after any move

Maintenance & Consumables

- Check the anchors hold each term
- Retighten to torque
- Replace corroded anchors
- Check the machine fixings
- Log the anchored equipment

Specification & Buying Notes

Choose the anchor size and depth for the machine load and slab. Quality sleeves expand and grip; cheap ones spin in oversize holes. Buy the matching drill bit.