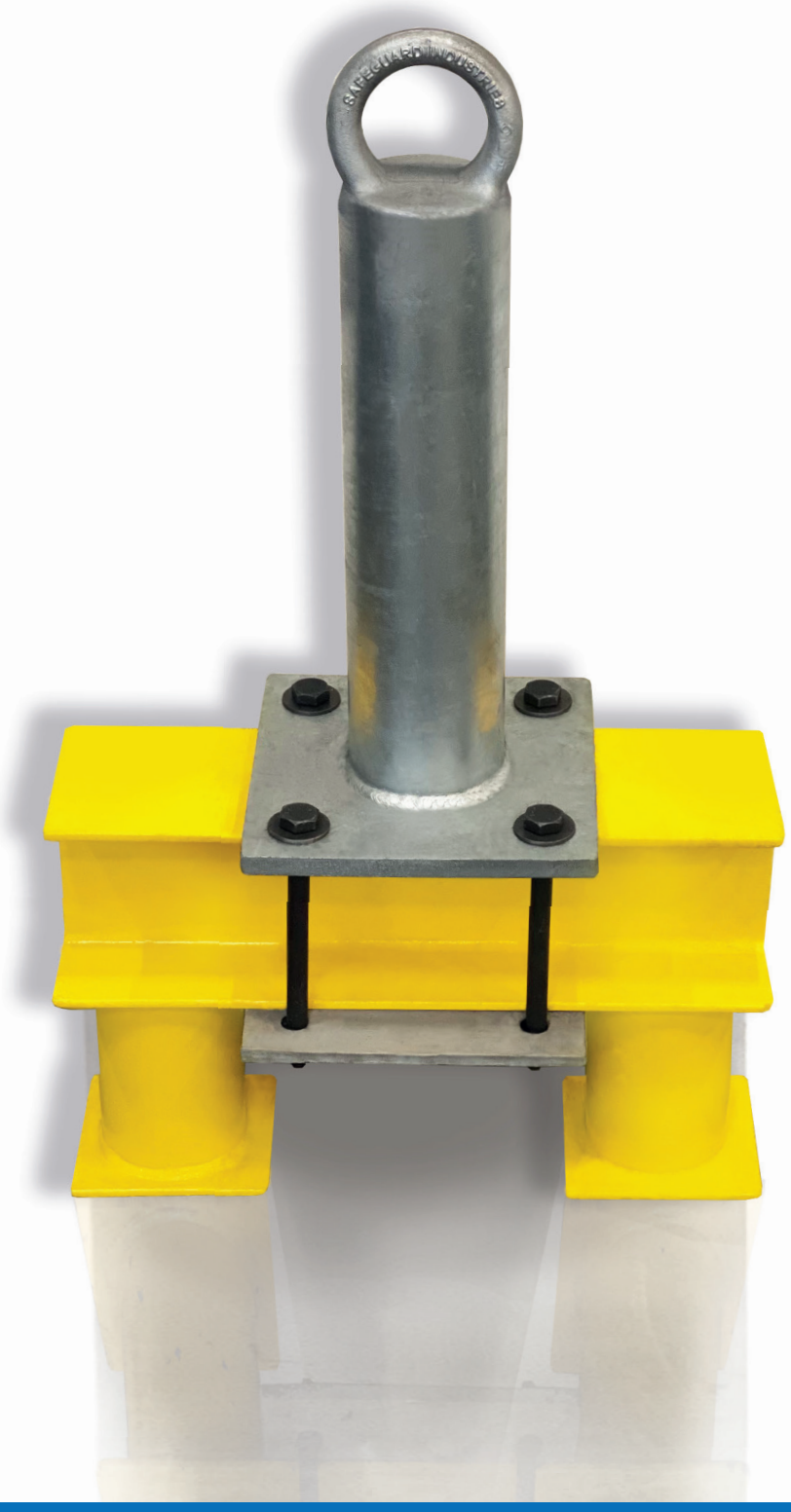
FLEXIBLE LIFELINE SYSTEMS®
AT THE HEIGHT OF INNOVATION

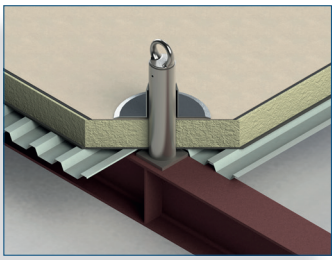
SAFETY TIEBACK ANCHORS

ROOF ANCHORS FOR FALL PROTECTION AND FACADE ACCESS



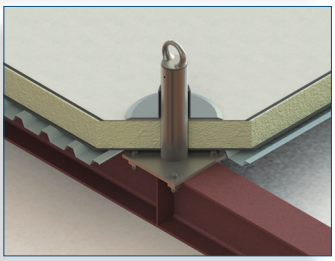
Tieback Anchors have long been recognized for their quality and durability. FLS engineers have develoed a myriad of different anchor solutions over the years when creating turnkey solutions for clients. Based on experience we have now established a core range of the most popular anchors which is available from stock. This supports a full custom design and manufacturing service available for all other sizes.

ATTACHMENT TYPES



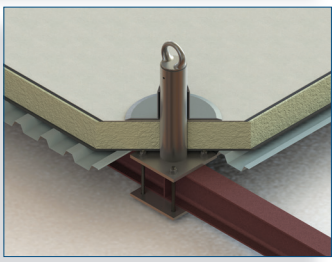
WELDED: Welds directly onto new or existing structural steel. Best suited to new build but can be used for retrofit applications.

- ▲ **6" x 6" base plate, 5/8" thick. Post height 20"**
- ▲ **Post 4 ½" OD filled with polyurethane insulation**
- ▲ **Hot dipped galvanized finish**



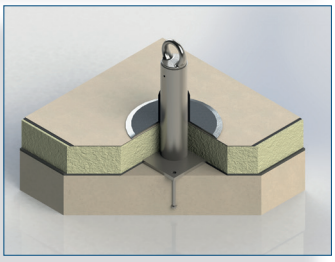
BOLT ON: Uses patented/proprietary Beamclamp® steel to steel fixing solutions (BA1G20 or BB1G20) to connect directly to flanges of structural steel; can be installed without having to reach the underside of the roof; suitable for new build and retrofit.

- ▲ **12" x 12" base plate, 5/8" thick. Post height 20"**
- ▲ **Post 4 ½" OD filled with polyurethane insulation**
- ▲ **Hot dipped galvanized finish**



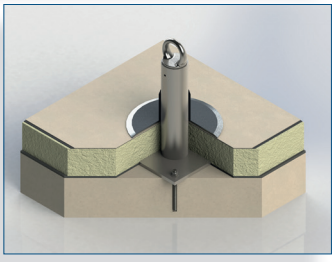
BOLT AROUND: Bolts around structural steel, concrete or wood using connector rods and a backer plate, (through bolts in concrete deck). Best suited to retrofit but can be used for new build.

- ▲ **10" x 10" base plate, 5/8" thick. Post height 20"**
- ▲ **Post 4 ½" OD filled with polyurethane insulation**
- ▲ **Hot dipped galvanized finish**



EMBEDDED: A single piece anchor, is cast directly into concrete when poured. Best suited to new build.

- ▲ **10" x 10" base plate, 5/8" thick. Post height 20"**
- ▲ **Post 4 ½" OD filled with polyurethane insulation**
- ▲ **Hot dipped galvanized finish**



CHEMICAL ADHESIVE: Fastens to existing concrete deck using chemically cured epoxy adhesive fasteners. Best suited to retrofit.

- ▲ **12" x 12" base plate, 5/8" thick. Post height 20"**
- ▲ **Post 4 ½" OD filled with polyurethane insulation**
- ▲ **Hot dipped galvanized finish**

CUSTOM POST HEIGHTS AVAILABLE FOR ALL TYPES

ANCHOR TOP OPTIONS

FORGED D-RING

STAINLESS STEEL U-BAR

TAPPED HOLE
(FOR LIFELINE SYSTEM ATTACHMENT)

WHY FLS TIEBACK ANCHORS?

• Quality assured from knowing every anchor is designed to resist a pull-out force of 5400lbs (24kN), applied in ANY direction

• Fully insulated posts prevent condensation from forming inside, reducing the possibility of corrosion and enhancing product longevity

• Insulated posts stop heat conductivity from the building through the anchor, maintaining the temperature inside the building

• Galvanized to ASTM A123 and/or CSA G164 to deliver enhanced durability

• Tested to all relevant North American codes and standards to ensure compliance.

• Full custom manufacturing service available, backed by in-house engineering and manufacturing capability for complete peace of mind

• Full annual inspection service and testing available to ensure customers remain compliant with existing regulations.

CODE COMPLIANCE

USA

• OSHA 29 CFR 1910.66 Powered platforms for building maintenance

• OSHA 29 CFR 1910.140 Personal fall protection systems

• Cal/OSHA Title 8 Regulations Section 3291 Permanent roof top installations

• ANSI/IWCA I-14.1 Window Cleaning Safety

• ANSI Z359.18 Safety requirements for anchorage connectors for active fall protection systems.

CANADA

• CSA Z271 Safety code for suspended platforms

• CSA Z91 Suspended equipment operations

• Z259.15 Anchorage connectors

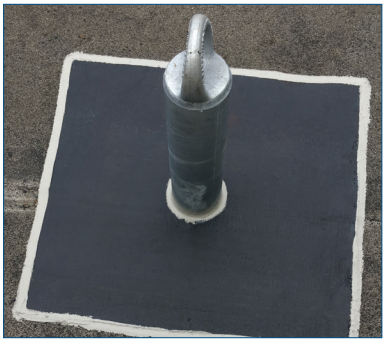
• Z259.16 Design of active fall protection systems

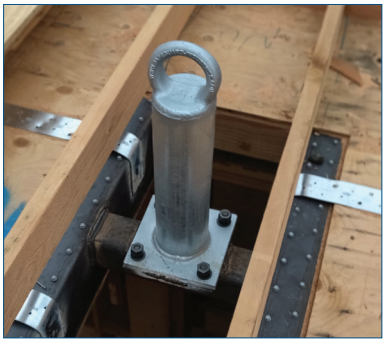
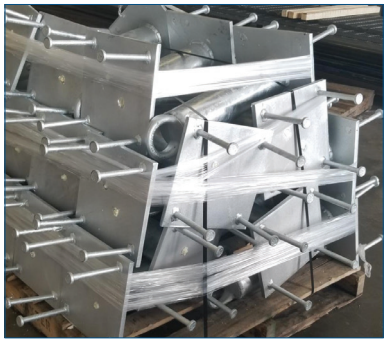
• Canada Occupational Health and Safety Regulations (Part XII).

SAFETY TIEBACK ANCHORS

ABOUT FLEXIBLE LIFELINE SYSTEMS

Founded in 1996, FLS has become one of today's most well respected fall arrest system and equipment providers. FLS has developed an impressive reputation for safety, quality, and cost effective methods to get the job done right the first time, regardless of complexity.



ADDITIONAL SERVICES FROM FLS

- **Inspection and Recertification of Fall Protection Systems**
- **Repair of Fall Protection Systems**
- **Fall Protection Engineering Consultation**
- **Fall Protection Training**