

1. Product Overview

fischer fractional threaded rods are manufactured in accordance with ASTM F1554 Grade 55 for structural anchoring into concrete foundations. Fully threaded rods supplied complete with compatible nut and washer assemblies. Electro Zinc Plated for interior applications.

2. Applications

- Structural steel base plate anchorage
- Equipment anchorage to concrete
- Light pole and highway sign supports
- Precast and cast-in-place foundations
- General structural embedment applications

3. Standards & Specifications

- ASTM F1554 – Grade 55
- Thread Type: UNC (Unified National Coarse)
- Thread Class: 2A
- Nuts: ASTM A563 Grade A
- Washers: ASTM F436 Type 1
- Finish: Electro Zinc Plated

4. Mechanical Properties (Minimum Requirements)

PROPERTY	REQUIREMENT
Yield Strength	55 ksi
Tensile Strength	75 – 95 ksi
Elongation (2 in.)	21% minimum
Reduction of Area	30% minimum

5. Available Fractional Assortment (Rod + Nut + Washer per Poly Bag)

ITEM NO.	DIAMETER	LENGTH	PCS / POLY BAG
577332	3/8"	3"	10
572870	3/8"	4 3/8"	10
572871	3/8"	5 1/8"	10
580578	3/8"	6"	10
577333	3/8"	8"	10
577334	3/8"	12"	10
577335	1/2"	3 1/8"	10
572872	1/2"	4 1/2"	10
572875	1/2"	6 1/2"	10
577336	1/2"	7"	10
572876	1/2"	8"	10
577337	1/2"	8 1/2"	10
580800	1/2"	10"	10
572877	5/8"	6"	10
581481	5/8"	7 5/8"	10
572878	5/8"	8"	10
577338	5/8"	9"	10
577339	5/8"	12"	10
577340	5/8"	14"	10
577341	5/8"	17"	10

ITEM NO.	DIAMETER	LENGTH	PCS / POLY BAG
572879	3/4"	6"	5
572880	3/4"	8"	5
581482	3/4"	9 5/8"	5
572881	3/4"	10"	5
577342	3/4"	11"	5
577343	3/4"	12"	5
577344	3/4"	14"	5
577345	3/4"	17"	5
577346	3/4"	19"	5
577347	3/4"	21"	5
577348	3/4"	25"	5
572882	7/8"	10"	5
572883	7/8"	13"	5
577349	1"	12"	5
577353	1"	14"	5
577354	1"	16"	2
577355	1"	20"	2
577356	1 1/4"	16"	2
577357	1 1/4"	22"	2

6. Installation Overview

1. Drill hole to specified diameter and embedment depth.
2. Clean hole thoroughly (blow-brush-blow method).
3. Inject/ Dispense the desired adhesive in to the bore hole (with the volume specified by the manufacturer).
4. Insert rod into the bore hole per project specification.
5. Ensure proper alignment and projection above concrete surface.
6. Tighten nut and washer to specified torque after concrete/ chemical mortar has achieved required strength.

Design shall comply with ACI 318 and applicable building code requirements.