

- Geotechnical Systems
- DSI Product Overview
- DYWIDAG Bar Anchors
- DYWIDAG Multistrand Anchors
- System Description
- DYWIDAG Temporary Strand Anchors
- DYWIDAG Permanent Strand Anchors with DCP (double corrosion protection)
- Anchor Design
- Anchor Properties
- Anchor Types and Corrosion Protection
- Anchor Installation, Stressing and Monitoring Equipment
- Post Grouting of Anchors
- DYWIDAG Soil Nails
- DYWIDAG Rock Bolts
- DYWIDAG Driven Ductile Iron Pile
- DYWI® Drill Hollow Bar System
- GEWI® Piles
- DYWIDAG Tie Rods
- DYWIDAG Micropiles

Downloads [read more ...](#)

Brochure DYWIDAG Strand Anchor Systems, Filesize:1.9 MB

References [read more ...](#)

Irving Tissue Weston road, Canada

Emerald Star Casino Project, Natchez, MS, USA

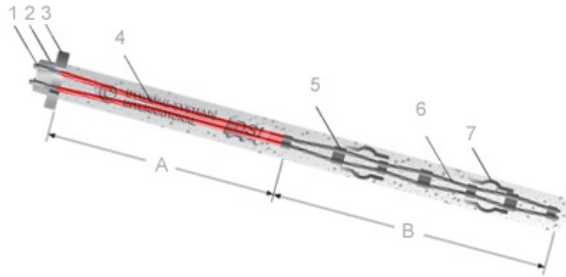
Convert Technical Units

Search DSI Website

DYWIDAG Strand Anchor Systems

Anchor Types and Corrosion Protection

Temporary Anchor



- Grout Protected Bond Length
- Greased & PE Extruded Unbonded Length

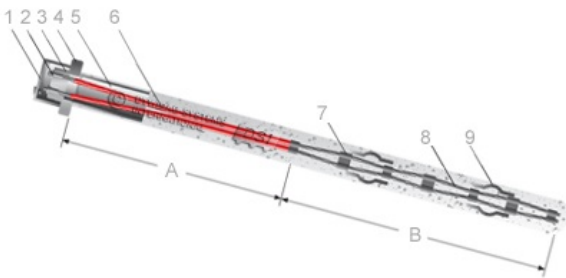
1. Wedge
2. Wedge Plate
3. Bearing Plate
4. Greased & PE or PP Extruded Strand in Unbonded Length
5. Spacers along Bond Length
6. Bare Strand in Bond Length
7. Centralizer

- A. Unbonded Length
B. Bond Length

Typical Uses:

Temporary Applications with a service life of <= 24 Month

Anchor with Single Corrosion Protection (PTI-Class II)



- Grout Protected Bond Length
- Greased & PE Extruded Unbonded Length

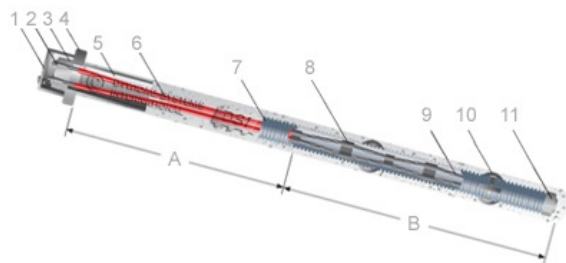
1. Cover Cap
2. Wedge
3. Wedge Plate
4. Bearing Plate
5. Trumpet
6. Greased & PE or PP Extruded Strand in Unbonded Length
7. Spacers along Bond Length
8. Bare Strand in Bond Length
9. Centralizer

- A. Unbonded Length
B. Bond Length

Typical Uses:

Anchor in known non-aggressive ground (refer to PTI Recommendations)

Anchor with Double Corrosion Protection (PTI-Class I)



- Grout Filled Bond Length Encapsulated
- Greased & PE Extruded Unbonded Length

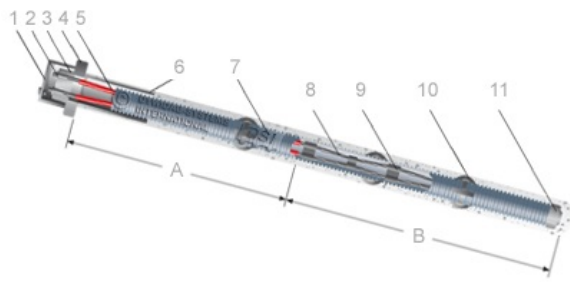
1. Cover Cap
2. Wedge
3. Wedge Plate
4. Bearing Plate
5. Trumpet
6. Greased & PE or PP Extruded Strand in Unbonded Length
7. Corrugated Sheathing
8. Spacers along Bond Length
9. Bare Strand in Bond Length
10. Centralizer
11. End Cap

- A. Unbonded Length
B. Bond Length

Typical Uses:

Permanent Application where a pre-grouted sheathing is an

Anchor with Double Corrosion Protection (PTI-Class I)



■ Grout Filled Corrugated Sheath Full Length

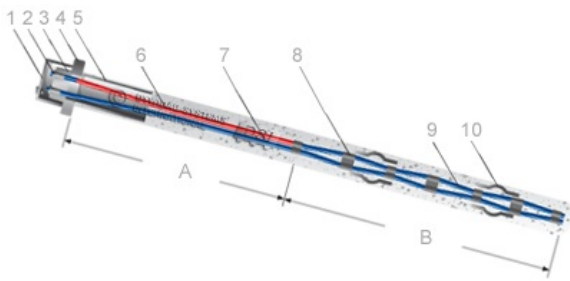
1. Cover Cap
2. Wedge
3. Wedge Plate
4. Bearing Plate
5. Greased & PE or PP Extruded Strand in Unbonded Length
6. Trumpet
7. Corrugated Sheathing
8. Bare Strand in Bond Length
9. Spacers along Bond Length
10. Centralizer
11. End Cap

- A. Unbonded Length
B. Bond Length

Typical Uses:

All Permanent Applications

Anchor with Epoxy Coated Strand (PTI-Class I)



■ Two Stage Grouted Hole

■

Optional: Corrugated Sheathing (not shown)

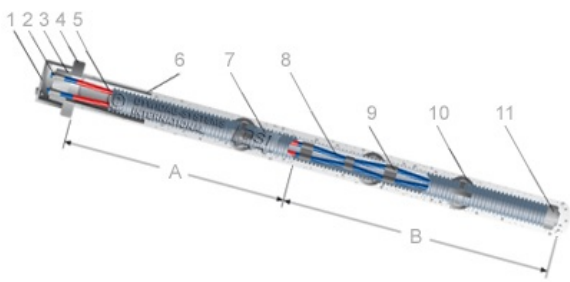
1. Cover Cap
2. Wedge
3. Wedge Plate
4. Bearing Plate
5. Trumpet
6. Option A: Greased & PE/PP Extruded in Unbonded Length
7. Option B: Without Bond Breaker
8. Spacers along Bond Length
9. Epoxy Coated Strand
10. Centralizer

- A. Unbonded Length
B. Bond Length

Typical Uses:

All Permanent Applications

Anchor with Epoxy Coated Strand (PTI-Class I)



■ Greased & PE Extruded Unbonded Length

■ Optional: Corrugated Sheathing

1. Cover Cap
2. Wedge
3. Wedge Plate
4. Bearing Plate
5. Greased & PE or PP Extruded Epoxy Coated Strand in Unbonded Length
6. Trumpet
7. Corrugated Sheathing (Optional)
8. Epoxy Coated Strand
9. Spacers along Bond Length
10. Centralizer
11. End Cap

- A. Unbonded Length
B. Bond Length

Typical Uses:

Large Capacity Permanent Anchors

