



# Tunnel Halls

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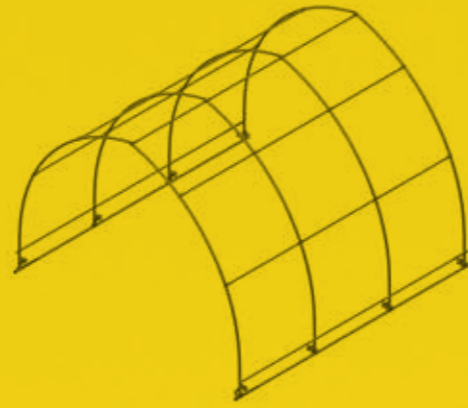
STEEL PIPE TUNNEL HALLS

I-BEAM TUNNEL HALLS



## Steel Pipe Tunnel Hall

The construction of the Steel Pipe Tunnel Hall consist of round pipes which are covered with a technical textile.



2,5 inch pipe: very solid



- ⊕ Versatile applicaton possibilities
- ⊕ Optimum cost performance ratio
- ⊕ Flexible assembly and dismantling as well as expandable
- ⊕ Short construction time
- ⊕ Anchoring without concrete foundation possible



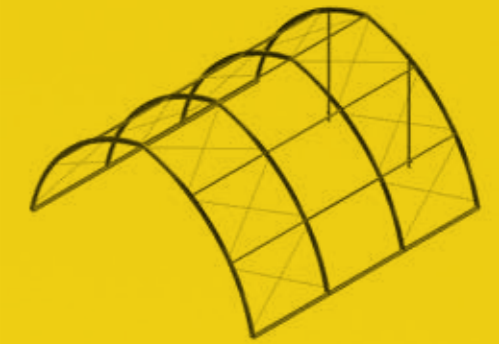
Tunnel Hall construction on bunker silo



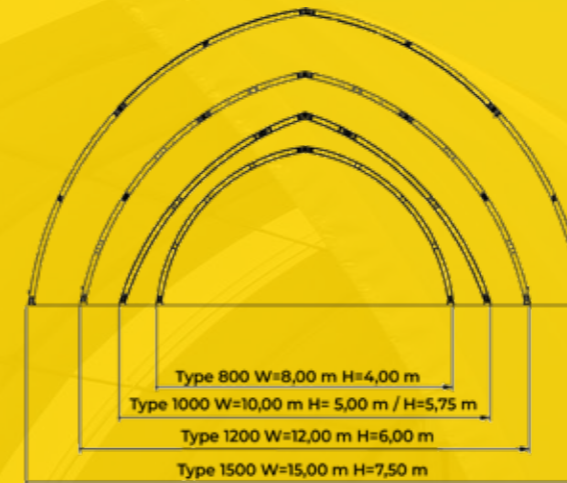
Timber storage

## I-Beam Tunnel Hall

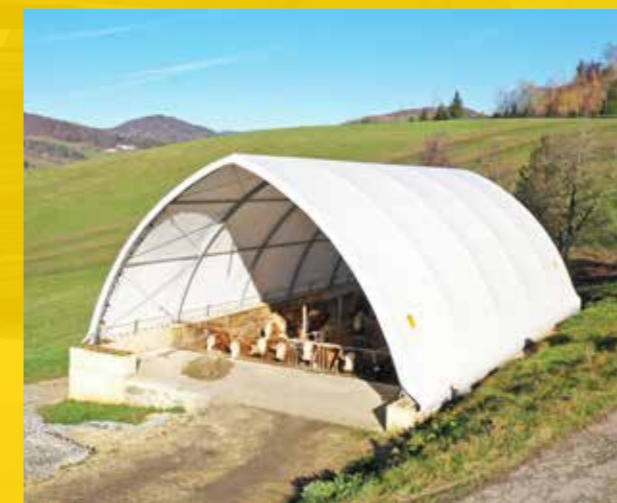
The construction of the I-Beam Tunnel Hall consists of double-T-girders covered with a technical textile.



IPE-beam: particularly resistant



- ⊕ Great span widths possible
- ⊕ Statically verifiable
- ⊕ Flexible assembly and dismantling as well as expandable
- ⊕ Short construction time
- ⊕ Anchoring without concrete foundation possible
- ⊕ High wind- and snowloads



Cattle stable



Machine hall

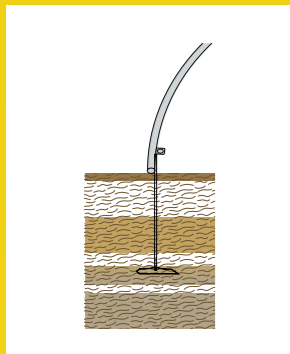


# Options

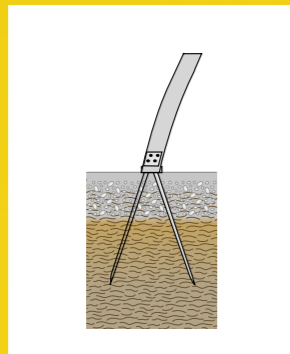
## ① ANCHORING SYSTEMS

Depending on the location, ground conditions and structural requirements, different foundation options are possible. AGROTEL tunnel halls are the perfect building solution for all types of canopy requirements.

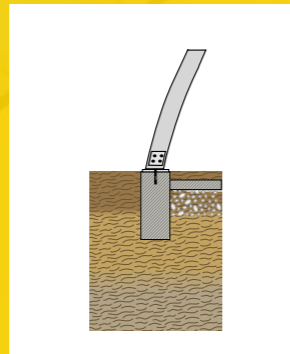
### Anchorage by weight



### Ground nails



### Bolt anchor on concrete foundation



## ② SUPPORTING STEEL STRUCTURE

- » Assessment of wind- and snowload depending on location according to EUROCODE EC1 and EUROCODE EC3 (up to 5 kN snowload and up to wind zone 4)
- » Steel parts (S355) galvanized according to DIN EN ISO 1491:2009

## ③ TECHNICAL TEXTILE

The technical textile used for covering has the following properties:

- » Polyester fabric with plastic coating on both sides
- » Flame retardant, low flammability according to B1, DIN 41021 (B1, s2, dO) and EN13501-1
- » UV-stabilized, weather resistant, and high chemical resistance
- » High tear resistance, area stability and very good welding seam adhesion
- » Surface weight from 600 g/m<sup>2</sup> to 1.200 g/m<sup>2</sup> - according to structural requirements

### ADVANTAGES OF THE TECHNICAL TEXTILE

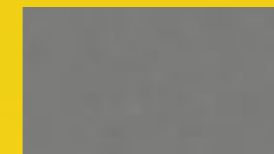
- ⊕ Natural brightness
- ⊕ Neutral storage of heat / cold
- ⊕ Absolut impermeability (confectioned in one piece)
- ⊕ Low weight of covering compared to other covering materials

## ④ COLOURS

The technical textile is available in various colours. Upon request custom wishes such as lettering and logo printing can be realised.



BHPVC 100 white



BHPVC 370 anthracite



BHPVC 170 green



BHPVC 270 red

## ⑤ GABLES AND DOORS

AGROTEL arched halls can be equipped with various textile gates and gables according to customer requirements. The materials net and tarpaulin can be combined with each other as desired. This allows the realisation of different ventilation solutions. Light strips can be installed to ensure optimum brightness.



Tunnel Hall with sliding door and 1/4 gable



Tunnel Hall with sliding door



Tunnel Hall with Big-Rib Rollup Door



Tunnel Hall with light strip



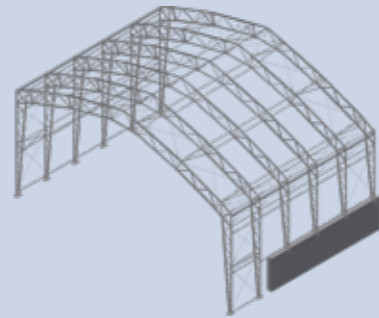
# Textile hall construction

Our hall systems with up to 80 m self-supporting span width ensure that the available space can be used optimally. We have been manufacturing high-quality hall solutions from steel and technical textiles at our location in Neuhaus am Inn for 20 years. Ask for our brochure "Textile hall systems for industry and trade".



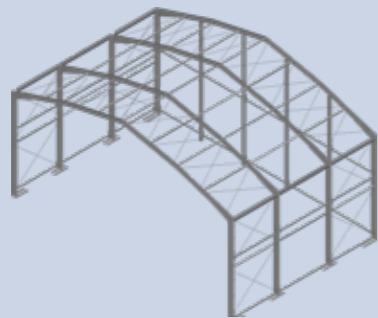
## LATTICE BEAM HALL

Free standing up to 80 m width



## BEAM HALL

Free standing up to 30 m width



## MONOPITCH ROOF HALL

Free standing up to 15 m width



# That's what sets us apart

 Consulting, planning and project management

 Production Made in Germany

 Technical construction

 Assembly & Service



Company steel construction



Textile confection at the location in Germany

# References



Manure storage cover



Storage box cover



Goat shed



Wood chip storage





# Tunnel Halls

AGRICULTURE

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