



- Preconditions for underground**
- Reinforced concrete, wall thickness min. 100mm, quality min. C12/15 (B15)
  - Masonry, wall thickness min. 115mm, DFK ≥ 12, min. MG II / DM
  - Aerated concrete, wall thickness min. 170mm, DFK ≥ 4, glued

Fastenings		
Position	Description	Distance between fastenings
1	High performance anchor HL-S (SZ-S)	600mm
	ISO 7089-6-200 HV-A4	
	ISO 4017 M8x30-8.8	
2	DIN 7997 4.5x24	300mm
	Expansion anchor S6	

**Door systems with fittings (Handle variations) on the opposite drive side**  
**Door leaf thickness 58 mm**

\* Safety margin according to national regulation

Anodize/color: layer thickness: Additional info:  
 RAL :

Object:

Customer:

Order-Nr.: Date: Release signatur:

Operator type: Profilsystem Execution  
 2353.HERM/2453.HERM ER with fittings - 58 mm

Scale: Drawn: 25.02.2020 MURO  
 % ok to print

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W	opening width
LB	wall opening width
LH	wall opening height
DB	clear opening width
DH	clear opening height
FB	door leaf width
FH	door leaf height
LKmin	Headerprofil min. length
LVmin	Cladding min. length
W = DB+55	
LB = DB+188+16+5	
LH = DB+8	
DB = LB-188-16-5	
DH = LH-8	
LKmin = DBx2+296+193	
LVmin = LKmin	
FB = DB+(2x50)+188+5	
FH = DH+30	