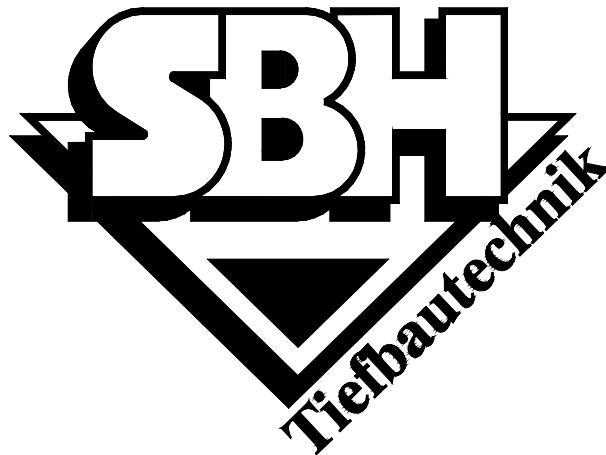


OPERATION INSTRUCTION

ROLLING STRUT BOX Series 780



manufacturer: **SBH Tiefbautechnik GmbH**
Ferdinand-Porsche-Str. 8
D – 52525 HEINSBERG

phone: +49 24 52 91 04 0
fax: +49 24 52 91 04 50
e-mail: info@sbh-tiefbautechnik.com
homepage: <http://www.sbh-tiefbautechnik.com>

OPERATING INSTRUCTIONS

Following to our Slide Rail System “Rolling Strut”, which has been working satisfactorily for many Years, we developed the Rolling Strut Box, Series 780, which is an

- **end-supported trench box consisting of:**
2 plates; 4 rolling struts; 8 limit pins & distance pieces (if required)
- **for trench depths up to 4.00 m**
- **for trench depths up to 6.00 m with top plate**
- **in plate lengths up to 4.00 m**
- **in the plate heights up to 4.00 m**
- **for working widths up to 4.00 m**



The most important advantages of this system:

- **easy installation and re-installation**
(as plates and rolling struts can be moved individually)
- **stepless adjustment of strut clearance heights up to 2.78 m**
- **robust distance pieces in lengths of 0,25/0.50/0.75 & 1.00 m**
(naturally we manufacture also special dimensions on customer's request)
- **easy flanging of the distance pieces with 4 screws M30*90 quality 8.8 each**

Rolling Strut Box Series 780



TECHNICAL PARAMETERS

SHORING PLATES thickness = 85 mm rolling strut metal guide = 190 mm

Base plate height = 3,15 m

length [m]	order code	safe earth pressure [kN / m ²]	trench depth accord. TBG [m]	weight each plate [kg]	box weight without extensions [kg]
3,15	60 780 008	33,9	5,96	1.120	3.000
3,40		31,4	5,51	1.173	3.106
3,50		30,4	5,33	1.262	3.284
4,00		22,9	3,98	1.382	3.525

Base plate height = 4,00 m

length [m]	order code	safe earth pressure [kN / m ²]	trench depth accord. TBG [m]	weight each plate [kg]	box weight without extensions [kg]
3,15	60 780 005	33,9	5,96	1.405	3.570
3,40		31,4	5,51	1.471	3.703
3,50		30,4	5,33	1.586	3.933
4,00		22,9	3,98	1.734	4.230

Top plate height = 2,00 m

Length [m]	order code	safe earth pressure [kN / m ²]	trench depth accord. TBG [m]	weight each plate [kg]	box weight without extensions [kg]
3,15	60 781 000	33,9	5,96	761	2.161
3,40		31,4	5,51	799	2.237
3,50		30,4	5,33	856	2.350
4,00		22,9	3,98	940	2.520

Rolling Strut (RS)

rolling strut For	order code	RS height [m]	working width [m]	trench width [m]	weight each RS-pair [kg]
<i>Base plate</i>	99 029 025	1,50	1,00	1,35	354
<i>Top plate</i>	99 029 028	1,00	1,00	1,35	293

extension (ext.)

Length [m]	order code	weight [kg]
0,25	99 016 323	61
0,50	99 016 324	83
0,75	99 016 326	105
1,00	99 016 317	126

accessories

description	order code	weight
<i>Limit pin</i>	99 200 024	6,6
<i>Bolt</i>	99 036 016	1,5
<i>Screw/nut</i>	M30*90 in 8.8	
<i>Washer</i>	A 33	