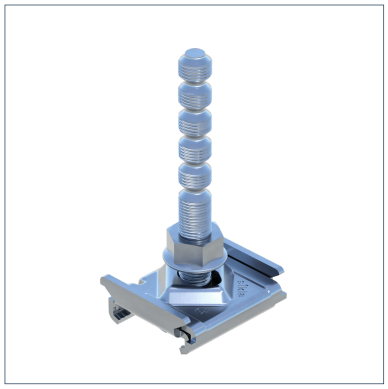
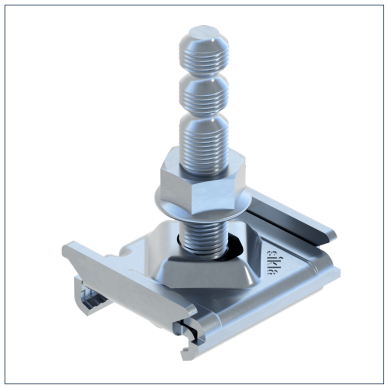
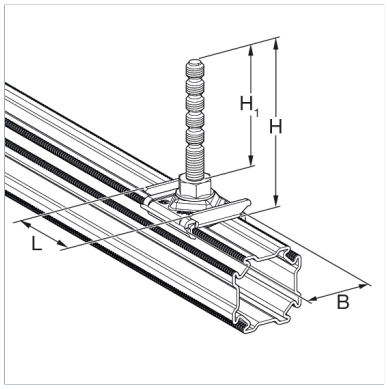
# Blockset PBS 46 HCP








## General Information

Quick assembly system for attaching pipe clamps and other components to the siMetrix Profile PRO 46. It is self-retaining thanks to the shape, but can still be easily moved by hand. Easy height adjustment due to 10 mm spaced grooves which allow easy shortening with the Rod Cutter PBC without sawing or re-cutting threads.

## Installation

Snap the Blockset onto the profile, then tighten the connecting element with a lock nut. To disassemble, loosen the lock nut and press on the shoulder (highest point) of the blockset upper part and pull it off the profile. Pressix rod secured against unscrewing.
Tightening torque: 15 Nm

## Material Properties

| | |
|---|---|
| Halogen-free | 0 |
| UV-resistant | 0 |

## Material

| | |
|---|---|
| Primary element material | steel |
| Surface finish | HCP |
| Corrosion protection class | C4 |

## Forces

| Type | -V{X,perm.} | V{X,perm.} | -V{Y,perm.} | V{Y,perm.} | -V{Z,perm.} | V{Z,perm.} |
|---|---|---|---|---|---|---|
| PBS 46 M 8 X 50 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |
| PBS 46 M 8 X 90 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |
| PBS 46 M 8 X 140 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |
| PBS 46 M10 X 50 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |
| PBS 46 M10 X 90 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |
| PBS 46 M10 X 140 HCP | 0.54 kN | 0.54 kN | 2.54 kN | 2.54 kN | 4.52 kN | 4.52 kN |

## Moments

| Type | -M{X,perm.} | M{X,perm.} | -M{Y,perm.} | M{Y,perm.} |
|---|---|---|---|---|
| PBS 46 M 8 X 50 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |
| PBS 46 M 8 X 90 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |
| PBS 46 M 8 X 140 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |
| PBS 46 M10 X 50 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |
| PBS 46 M10 X 90 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |
| PBS 46 M10 X 140 HCP | 0.04 kNm | 0.04 kNm | 0.05 kNm | 0.05 kNm |

### Note on loadings

Following loads direction not RAL-tested: V(X), V(y), M(x) und M(y)

### Types

| Type | L | Weight | Quantity | Part number |
|---|---|---|---|---|
| PBS 46 M 8 X 50 HCP | 47 mm | 0.12 kg/pcs. | 25 pcs. | 803552 |
| PBS 46 M 8 X 90 HCP | 47 mm | 0.13 kg/pcs. | 25 pcs. | 803553 |
| PBS 46 M 8 X 140 HCP | 47 mm | 0.15 kg/pcs. | 25 pcs. | 803554 |
| PBS 46 M10 X 50 HCP | 47 mm | 0.14 kg/pcs. | 25 pcs. | 803555 |
| PBS 46 M10 X 90 HCP | 47 mm | 0.15 kg/pcs. | 25 pcs. | 803556 |
| PBS 46 M10 X 140 HCP | 47 mm | 0.18 kg/pcs. | 25 pcs. | 803557 |

### Dimensions

| Type | B | H | H1 | L |
|---|---|---|---|---|
| PBS 46 M 8 X 50 HCP | 42.5 mm | 50 mm | 32 mm | 47 mm |
| PBS 46 M 8 X 90 HCP | 42.5 mm | 90 mm | 72 mm | 47 mm |
| PBS 46 M 8 X 140 HCP | 42.5 mm | 140 mm | 122 mm | 47 mm |
| PBS 46 M10 X 50 HCP | 42.5 mm | 50 mm | 30 mm | 47 mm |
| PBS 46 M10 X 90 HCP | 42.5 mm | 90 mm | 70 mm | 47 mm |
| PBS 46 M10 X 140 HCP | 42.5 mm | 140 mm | 120 mm | 47 mm |

### Certification

This product has been awarded the RAL quality mark "Pipe Supports" and is subject to continuous external monitoring according to RAL GZ-655.