



# BOLTED CONNECTIONS

Build Safe, Reliable and Enduring Structures  
with RSTEEL® Bolted Connections



 asiakastieto.fi

Certified Quality Environment and Safety Management Systems



## BOLTED CONNECTIONS

RSTEEL®'s robotic welded, Inspecta certified high-quality Column shoes and Wall shoes along with base bolts are the perfect solutions for creating moment resisting connections for precast elements. Our bolted connections are designed according to Euro codes and have BY approval and produced according to EN 1090.

The colour-coded column shoe and Wall shoe system eases possible separations of foundations and columns for transportation and assembly.

### Features

- Instant load bearing connections ensure fast and secure assembling.
- Elimination of grout hardening times ensures flexible connection process and shortened construction time.
- Simpler precast element geometries due to minimised base plate geometries ensure cost effectiveness.
- Fast delivery through the use of standardised components.
- Extensive, flexible range of high quality connections available for any application.

### Base Bolts

RSTEEL® Base bolts transfer tension, compression and shear forces to reinforced concrete foundation Structures.

#### For moderate Loads



RPP BaseBolts

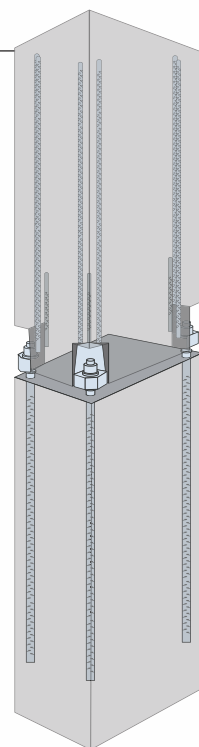
Sizes: M16, 20, 24, 30, 39

#### For High Loads



RPP-E Base Bolts

Sizes: M30, 36, 39, 45, 52, 60



## Column Shoes

RSTEEL® Column shoe offers a safe and economic solution for rigid connection of precast concrete columns to foundations or for joining columns together. Stresses developed within the column are transferred to the column shoes, through the anchor bolts and across the grouted gap, to the adjoining structures e.g. to the foundations.

RPK-N2 Column Shoes are designed to correspond with the resistances of RPP Bolts, and correspondingly, RPK-E2 Column Shoes correspond with the resistances of RPP-E base Bolts

For moderate Loads



RPK-N2 Column Shoes

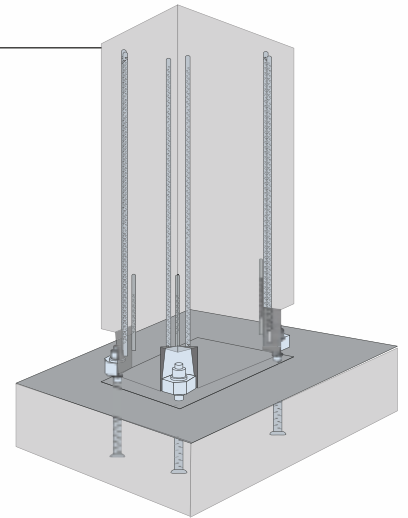
Sizes: M16, 20, 24, 30, 39

For High Loads



RPK-E2 Column Shoes

Sizes: M30, 36, 39, 45, 52



## Wall Shoes

RSTEEL® Wall shoes are cost-effective connecting elements inside bracing wall constructions. Wall shoes are fastening components that are used with RPP and RPP-E base bolts to create tension resisting connections across joints between two precast wall elements or between precast wall element and a site cast structure.

For moderate Loads



RSK -N Wall Shoes

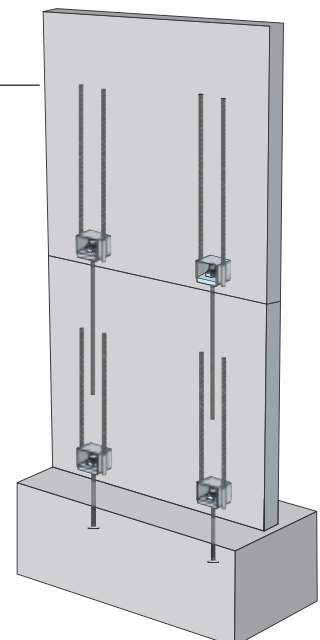
Sizes: M16, 20, 24, 30, 39

For High Loads



RSK-E Wall Shoes

Sizes: M30, 36, 39, 45, 52



## About RSTEEL®

RSTEEL® is a leading provider of steel connections for precast and cast-in-situ construction around the globe.

With over three decades of our participation in huge projects, we don't compromise on quality or customer satisfaction and we create connections for a lifetime.

Our customer-oriented service, excellent and reliable network of suppliers plus our extensive product portfolio ensure that we are able to offer professional and flexible solutions for any kind of projects.



In our operations we comply with the ISO 9001 and 14001 standards

For other technical information kindly refer to technical manual available on RSTEEL® website.

### R-Group Finland Oy

Head Office:  
Katajanokankatu 6B 12,  
00160 Helsinki Finland  
Tel : +358 (0)20 722 9420  
VAT No. : FI- 2025044-5

## RSTEEL®

 [www.repo.eu](http://www.repo.eu)  
 [info@repo.eu](mailto:info@repo.eu)  
 [linkedin/rsteel](https://www.linkedin.com/company/rsteel)

### R-Group Baltic OÜ

Kõrtsi tee 7  
Lehmja Küla, Rae Vald  
75306 Harjuma  
ESTONIA  
Mob. +372 578 396 76



### ООО R-Group

18A Bolshoj pr. V.O.  
199034, St.Petersburg Russia  
Tel : +358 (0)20 722 9420  
+372 578 396 76

### R-Group Gulf FZE

PO Box 14755  
Ras Al Khaymah U.A.E  
Tel : +971 505119223  
+91 840 894 4578