

# Advantages

- 1. The most economical by far
- 2. Saving on construction costs
- 3. Fast assembly
- 4. Perfect connection between column and foundation
- 5. Pinpoint precision
- 6. Reduction of the foundation rebars
- 7. Lowering of the foundation thickness
- 8. Greater job site safety for workers

### Disadvantages

- 1. Expensive
- 2. It requires the construction of the pocket foundation
- 3. Cast-in-place in two-step
- 4. Any different column needs different pocket
- 5. The construction time is extremely long
- 6. It requires: skilled manpower, tools and formwork
- 7. The adjustment of the column is very slow

### Disadvantages

- 1. Expensive
- Increase of the foundation thickness in order to ensure a proper concrete cover of the column rebars
- 3. It requires the production, the assembly and fixing of the dowel tubes and respective jiq
- 4. It requires very expensive and expansive mortar
- 5. Construction system very slow
- 6. It requires: skilled manpower, tools and formwork

#### Disadvantages

- 1. Expensive
- 2. It requires very expensive connection devices: column shoes and anchor bolts
- 3. Very difficult adjustment and fixing of the jig
- 4. It requires very expensive and expansive mortar
- 5. Construction system very slow
- 6. It requires: skilled manpower, tools and formwork
- 7. Anchor bolts need extra rebars

## Disadvantages

- 1. The most expensive
- 2. Large amount of skilled manpower, tools and formwork
- 3. The construction time is extremely long
- 4. Overlapping of the reinforcements in critical area
- 5. No precision

Comparison of different connection systems (Column-foundation) - Methods of fixing a precast column to a base - Base size 2.50 x 2.50 x 0.50 m

