

TIPI DI PRODOTTO PREFABBRICATI DA GRUPPO CENTRO NORD

Con un valore aggiunto grazie all'elevata capacità innovativa nella produzione e nell'applicazione di elementi slipformati (come rinforzo a taglio, elementi jumbo, nuove lastre H.C.)

***PRECAST PRODUCT TYPES MANUFACTURED BY GRUPPO CENTRO NORD
with added value due to high innovative capacity in production and application of
slipformed elements (as shear reinforcement, jumbo elements, new wall H.C. slabs)***

Gruppo Centro Nord sin dalla sua fondazione nel 1964 è leader in Italia e in Europa nella produzione e nell'applicazione non solo di lastre a pavimento standard (profondità 120 ÷ 500 modulo 1200 mm) per la prefabbricazione di edifici residenziali, commerciali e industriali, Ma anche di speciali lastre cilindriche / ribbed (profondità fino a 1000 mm) per lavori infrastrutturali.

Questi nuovi elementi speciali, con un nuovo design, la forma e il rinforzo, vengono realizzati con speciali macchine per finitura vibrofinitrici che consentono profondità fino a 1000 mm e possibilità di incorporare un rinforzo a taglio nelle costole e sono adatti per l'uso in caso di grande span e dinamica Carichi, come per ponti fino a 24 m di span.

Il Gruppo Centro Nord ha inoltre sviluppato know-how e esperienza nell'applicazione di lastre di cavità speciali come pareti portanti in edifici multistory anche per aree sismiche, come barriere di rumore nelle autostrade e come elementi di tunnel per realizzare la volta prefabbricata dei tunnel.

Qui dopo sono elencati i tipi (standard e speciali) di elementi prefabbricati fabbricati nelle unità del Gruppo Centro Nord e sono stati allegati un'applicazione tipica.



Gruppo Centro Nord since its foundation in 1964, has been leader in Italy and in Europe in the production and application not only of standard hollow-core floor slabs (depth 120÷500 module 1200 mm) for the prefabrication of residential, commercial and industrial building, but also of special jumbo hollow core/ribbed slabs (depth up to 1000 mm) for infrastructure works.

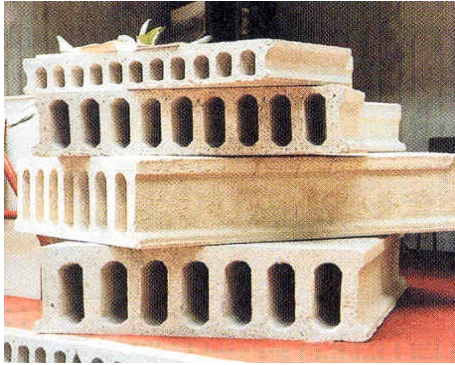
Those new special elements, with new design, shape and reinforcement, are produced by means of special vibrofinishing machines allowing depth up to 1000 mm and possibility of incorporating a shear reinforcement in the ribs, and are suitable for use in case of large span and dynamic loads, as for bridges up to 24 m span.

Gruppo Centro Nord has developed furthermore know-how and experience in application of special hollow core slabs as bearing walls in multistory buildings also for seismic areas, as noise barriers in highways, and as tunnel elements to realize the precast vault of tunnels.

Here after the types (standard and special) of precast elements manufactured in the units of Gruppo Centro Nord are listed and typical application attached.

STANDARD PRECAST ELEMENTS

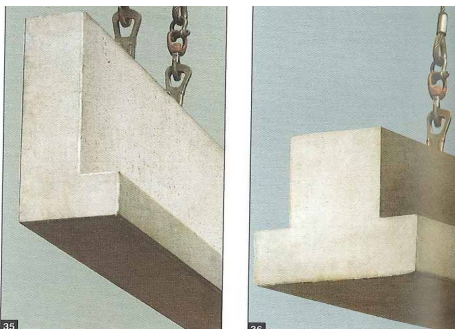
ELEMENTS STANDARD PREFABRIQUES



RAP

Hollow Core Slabs (slipformed)
Dalles alvéolées, (vibrofinies)

Depth/*hauteur* H = 120/160/200/250/300/360/420/500 mm
Width/*largeur* B = 1200 mm



TPT-TPL

Prestressed/Reinf beams I, T and L
Poutres précontraintes/renf. I, T et L

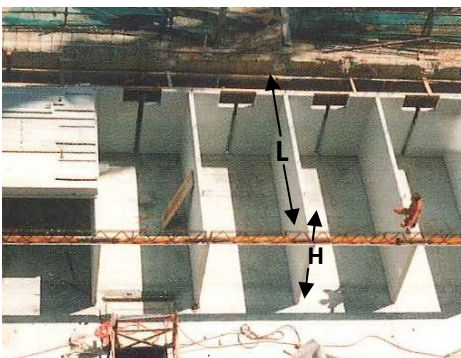
Width/*largeur* B up to/*jusqu'à* 1150 mm
Height/*hauteur* H up to/*jusqu'à* 1100 mm
Length/*longueur* L up to/*jusqu'à* 18.0 m



PR-PC

Pillars (rectangular or circular)
Poteaux (rectangulaires ou circulaires)

Rectang. dim up to/*jusqu'à* 1000 mm
Circ. dim ϕ 500/600/700 mm
Height/*hauteur* up to/*jusqu'à* 18.0 m



T-BOX

Garage bearing element
Eléments porteur Max pour garages

Dim L up to/*jusqu'à* 7200 mm
Dim H up to/*jusqu'à* 3000 mm
Thk/*ép.* s 120÷200 mm

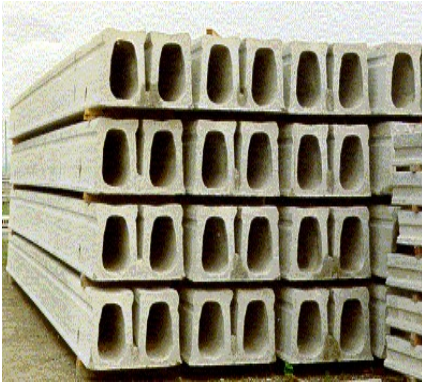


GFRC (CCV)

Facades and architectural elements, with spray system
Façades et éléments architecturaux, par système projection

SPECIAL PRECAST ELEMENTS

ELEMENTS PREFABRIQUES SPECIAUX



FORAP

Jumbo Hollow core slabs (with shear reinforcement in webs)
Grandes dalles alvéolées (avec renforc. dans les nervures)

Depth/*hauteur* H = 500/600/700/800/1000 mm
Width/*largeur* B = 1200 mm



PAV

Jumbo ribbed slabs (slipformed)
Poutres nervurées (vibrofinies)

Depth/*hauteur* H = 500/600/700/800/1000 mm
Width/*largeur* B = 75/1000/1200 mm



MAGNUM

U-ribbed slabs, slip formed (shear reinf in the webs)
Dalles à boîte, vibrofinies (avec reinf. dans les nervures)

Depth/*hauteur* H = 500/600/700/800 mm
Width/*largeur* B = 1200 mm



FORAP SYSTEM

Building prefabrication with H.C. Wall slabs (with vertical and horizontal cores to be filled and reinforced in-situ)
Préfabrication de bâtiments à parois alvéolaires portantes (avec alvéoles en vertical et horizontal)

Wall height/*hauteur parois* H = 2500÷4000 mm
Width/*largeur* B = 1200 mm
Depth/*épaisseur* s = 160÷200 mm



WALL SYSTEM

Noise barriers (with H.C. slabs)
Barrières acoustiques (en dalles alvéolées)

Width/*largeur* B = 1200 mm
Length/*longueur* L = 3000÷8000 mm
Depth/*épaisseur* s = 150÷200 mm