

ArcelorMittal Fibres

Reinforced concrete solutions

# Projets en béton projeté

Listes des références  
d'ouvrages souterrains

PROJETS EN BÉTON PROJETÉ: Listes des références d'ouvrages souterrains



ArcelorMittal

# Fibres en acier pour les projets d'ouvrages souterrains en béton projeté:






## Fibres aux extrémités aplaties: FE 60/36 | FE 65/35 | FE 67/30

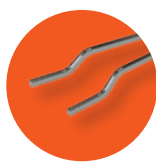
PAYS	NOM DU PROJET	FIBRES	TONNES	ENTREPRISES
	Dubai Metro	FE 60/36	500	(BeSix) Sixco
	Finlande E18 East Highway Road Tunnels	FE 60/36	150	YIT Rakennus
	Finlande Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	560	YIT Rakennus
	Finlande Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	580	Kalliorakennus-Yhtiöt
	Finlande Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	1000	Skanska, SRV, Rudus Oy
	Finlande Länsimetro Helsinki-Espoo	FE 60/36	3000	Skanska, Lemminkäinen, Rudus Oy
	Finlande Kemi Mine	FE 60/36	300	Outokumpu, Tapojärvi, Rudus Oy
	Finlande Kalasatama Underground Parking Facility	FE 60/36	400	SRV Infra, Rudus Oy
	Finlande Töölönlahti Underground Parking Facility	FE 60/36	200	YIT Infra, Rudus Oy
	Finlande E18 West Highway Road Tunnels	FE 65/35	410	Skanska Infra, Lemminkäinen Infra
	Finlande Sulkavuoren Underground Waste Water Treatment Plant	FE 60/36	150	Rudus Oy
	France Railway Tunnel Perthus	FE 65/35	595	Eiffage TP, ACS Dragados
	France Road Tunnel Schirmeck	FE 65/35	256	Razel
	France Railway Tunnel TELT Lyon Turin Descenderie St Martin La Porte	FE 65/35	200	Razel (B&B), Pizzarotti, GRA
	Hong Kong Discovery Bay Tunnel	FE 67/30	300	Kumagai Gumi
	Hong Kong MTR Kwai Chung	FE 67/30	300	Hyundai
	Les Philippines Duckwasserstollen, Bakun	FE 67/30	200	Transfield
	Les Philippines Duckwasserstollen, Bakun II	FE 67/30	650	Leightons
	Espagne Ute Autovía Nerja – Almuñecar Road Tunnel	FE 67/30	840	Dragados, Ossa
	Espagne Ute Portas High Speed Railway Line Galicia	FE 67/30	700	Aldesa, Tapusa, Dycaminos, Ossa
	Espagne Túnel de Bracons UTE, Road Tunnel	FE 67/30	960	FCC, Guinovart, OSHSA
	Espagne High Speed Railway Line Cordoba/ Málaga Túnel Álora-Túnel El Espartal	FE 67/30	1200	Ferrovial
	Suisse Alp Transit Railway Tunnel ARGE Ferden	FE 67/30	2740	Losinger, Prader, EDIT
	Suisse A5 Highway, Tunnel Concise et Lance	FE 67/30	700	Frutiger, Batigroup, Walo
	Suisse Alp Transit Gotthard, Bodio 553 Fondazioni Speciali	FE 67/30	700	Pizzarotti, Muttoni, Ferrari



## Fibres avec extrémités à crochets: HE 55/35 | HE+ 55/35

PAYS	NOM DU PROJET	FIBRES	TONNES	ENTREPRISES	
	Iles Féroé	Eysturoy Road Tunnel	HE+ 55/35	500	NCC Norway
	Norvège	E6 and Dovrebanan Rail and Road Tunnels	HE 55/35	500	Contractor Alpine, Hæhre Entreprenør Beton Øst AS
	Norvège	Storberget Rail Tunnels	HE 55/35	1000	NCC, NorBetong AS
	Norvège	Skillingmyr Rail Tunnels	HE 55/35	1000	Veidekke, NorBetong AS
	Norvège	E136 Vågstrand Road Tunnels	HE 55/35	400	Bilfinger Construction, M3
	Norvège	E134 Gvammen Road Tunnel	HE+ 55/35	1000	NCC, Fertigbetong
	Norvège	E134 Kongsberg	HE+ 55/35	500	Veidekke, Fertigbetong
	Norvège	E134 Kongsberg	HE+ 55/35	300	Metrostav, Ferdigbetong A/S
	Norvège	E18 Kjørholt and Bamble Road Tunnels	HE+ 55/35	400	Hæhre Entreprenør AS, NorBetong AS
	Norvège	Rv 36 Slåttekåstunnelen Road Tunnels	HE+ 55/35	24	NCC Norway
	Norvège	Bybanen Bergen, D12 Fløen - Kronstad, Tram Tunnel	HE+ 55/35	250	NorBetong, Skanska
	Norvège	Jölstra Kraftverk, Hydropower Plant Water Tunnel	HE+ 55/35	250	Sunnfjord Betong, YIT
	Norvège	Porsgrunn Rehabilitation, Road Tunnel Renovation	HE+ 55/35	50	NorBetong, AF-Gruppen
	Norvège	Sandbukta - Moss - Såstad, Rail Tunnel	HE+ 55/35	210	NorBetong, MossIA ANS, Implenía-Acciona
	Espagne	High Speed Railway Line Madrid, Valencia Villagordo Venta Del Moro - Naharros	HE 55/35	1300	Acciona Infraestructuras
	Espagne	High Speed Railway Line Basque Country Legorreta, Ute Legorreta	HE 55/35	900	Acciona, Viuda De Sainz
	Espagne	High Speed Railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilagarcía De Arousa-Catoira, Ute Catoira	HE 55/35	500	Acciona Infraestructuras, Obras Subterráneas
	Espagne	High Speed Railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilaboa - Soutomayor	HE 55/35	300	Comsa
	Espagne	High Speed Railway Line Galicia, Plataforma Del Corredor Norte Noroeste De Alta, Velocidad Eje: Ourense Santiago, Ute Ave Ulla	HE 55/35	900	Dragados, Tecsa
	Espagne	High Speed Railway Line Galicia, Plataforma Del Corredor Norte Noroeste De Alta, Velocidad Eje: Ourense Santiago, Ute Carballiño	HE 55/35	350	Sacyr, Cavosa, Osega
	Espagne	High Speed Railway Line Barcelona/French border, Plataforma Ave Barcelona Sants - Figueres, Ute Estación Ave Sarriá Del Ter	HE 55/35	600	Aldesa, Coalvi
	Espagne	Road Tunnel Canarias Nueva Carretera Autopista Gc1 Tramo Puerto Rico/Mogán, Ute Gc1 Puerto Rico Mogán	HE 55/35	750	FCC, Isolux, Petrecan
	Espagne	High Speed Railway Line Asturias, Plataforma Ave Leon Asturias Tramo, Sotillo - Campomanes	HE 55/35	600	Acciona Infraestructuras
	Suède	Nya Karolinska Solna University Hospital Solna/ Stockholm Rock stabilization	HE 55/35	150	Skanska Asphalt & Betong
	Royaume Uni	Crossrail C-510, Liverpool Street and Whitechapel Stations	HE 55/35	4800	BBMV-Balfour Beatty, Morgan Sindall, Alpine Bemo, Vinci
	Royaume Uni	Crossrail C-305, Eastern Running Tunnels	HE+ 55/35	1000	DSJV- Dragados Sisk

# Fibres en acier pour les projets d'ouvrages souterrains en béton projeté:



## Fibres avec extrémités à crochets: HE 55/35GL | HE+ 55/35GL

PAYS	NOM DU PROJET	FIBRES	TONNES	ENTREPRISES
	Iles Féroé Sandøyr Road Tunnel	HE+ 55/35GL	500	NCC
	Finlande Kiistala Mine	HE 55/35GL	600	Rudus Oy, Skanska Infra, Lemminkäinen Infra
	Finlande Kemi Mine	HE+ 55/35GL	250	KiBe Oy, Tapojärvi, Outokumpu
	France Road Tunnel Descendant Ouest Monaco	HE 55/35GL	270	Eiffage/EMT
	France Road Tunnel Borne Romaine	HE 55/35GL	219	Campenon B/EMT
	France Railway Tunnel TELT Lyon Turin Galerie St Martin La Porte	HE 55/35GL	738	Spie Batignolles - Eiffage
	Norvège Sandbukta - Moss - Sjøstad, Rail Tunnel	HE+ 55/35GL	200	MossIA ANS, Implenja-Acciona
	Suède Västlänken - Deletapp Korsvägen, Rail Tunnel	HE 55/35GL	1050	Thomas Betong, NCC



## Fibres avec extrémités à crochets: HE 75/35

PAYS	NOM DU PROJET	FIBRES	TONNES	ENTREPRISES
	France A89 Road Tunnel, Violay, Bussière et Chalosset	HE 75/35	619	Spie Batignole, Razel
	France A50-A57 Road Tunnel, Toulon	HE 75/35	90	Bouygues TP, Solétanche
	France Railway Tunnel, Chavanne	HE 75/35	91	Spie Batignole
	France Railway Tunnel TELT Lyon Turin Galerie St Martin La Porte	HE 75/35	120	Spie Batignolles - Eiffage
	France Hydroelectric Development Romanche Gavet Livet	HE 75/35	130	Dodin - Campenon Bernard
	Luxembourg A7 Highway Road Tunnel, Luxembourg Tunnel Arge Grouff (TAG)	HE 75/35	3831	Félix Giorgetti, Galère, Max Bögl, Wayss, Freytag, Ingenieurbau
	Luxembourg A7 Highway Road Tunnel, Luxembourg Arge Tas Tunnel Stafelter GBR	HE 75/35	1514	Félix Giorgetti, Galère, Max Bögl, Wayss, Freytag, Ingenieurbau
	Luxembourg Hydraulic Pump Station, Vianden	HE 75/35	358	Züblin
	Espagne A6 Highway Madrid, Road Tunnel in Sierra de Guadarrama Ute Tunel Valle De Los Caidos	HE 75/35	303	Dragados, Acsa, Agbar
	Espagne High Speed Railway Line Madrid Levante Railway Tunnel in Alicante, Ute Sax Elda	HE 75/35	290	Sacyr, Cavosa
	Espagne High Speed Railway Line, Madrid/Asturias Railway Tunnel in Asturias, Ute Ave Campomanes	HE 75/35	866	Comsa, Corsan, Corviam Construcción
	Espagne High Speed Railway Line Galicia Railway Tunnel, Ute Vigo Das Maceiras	HE 75/35	166	Acciona Infraestructuras, FCC Construcción
	Espagne High Speed Railway Line Basque Country Railway Tunnel, Ute Aramaio	HE 75/35	116	Acciona Infraestructuras, Viuda De Sainz
	Espagne Highway Autovia de la Plata Road Tunnel in Sevilla, Ute Mediafanega	HE 75/35	329	Sacyr, Cavosa
	Espagne High Speed Railway Line Madrid, Barcelona/ France Railway Tunnel in Barcelona, Ute Ave Cornella	HE 75/35	262	Sacyr, Cavosa



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