

ArcelorMittal Fibres

Reinforced concrete solutions

Sprayed Concrete Projects

Reference list of
underground projects

SPRAYED CONCRETE PROJECTS: Reference list of underground projects



ArcelorMittal

Steel Fibres for underground sprayed concrete projects:



Flat End Fibres: FE 60/36 | FE 65/35 | FE 67/30

LOCATION	PROJECT	FIBRE	TONNE	CONTRACTORS
 Dubai	Metro	FE 60/36	500	(BeSix) Sixco
 Finland	E18 East Highway Road tunnels	FE 60/36	150	YIT Rakennus
Finland	Kehärata Rail tunnel Helsinki-Vantaa Airport	FE 60/36	560	YIT Rakennus
Finland	Kehärata Rail tunnel Helsinki-Vantaa Airport	FE 60/36	580	Kalliorakennus-Yhtiöt
Finland	Kehärata Rail tunnel Helsinki-Vantaa Airport Rudus Oy	FE 60/36	1000	Skanska, SRV
Finland	LänsiMetro, new Metro line Helsinki/ Espoo Rudus Oy	FE 60/36	300	Skanska, Lemminkäinen
Finland	Kemi Mine, Rudus Oy	FE 60/36	300	Outokumpu, Tapojärvi
Finland	Kalasatama underground parking facility, Rudus Oy	FE 60/36	400	SRV Infra
Finland	Töölönlahti underground parking facility, Rudus Oy	FE 60/36	200	YIT Infra
Finland	E18 West Highway Road tunnels	FE 65/35	410	Skanska Infra, Lemminkäinen Infra
 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
 The Philippines	Duckwasserstollen, Bakun	FE 67/30	200	Transfield
The Philippines	Duckwasserstollen, Bakun II	FE 67/30	650	Leightons
 Spain	Ute Autovía Nerja – Almuñecar Road Tunnel	FE 67/30	840	Dragados, Ossa
Spain	Ute Portas High Speed Railway Line Galicia	FE 67/30	700	Aldesa, Tapusa, Dycaminos, Ossa
Spain	Tunel de Bracons UTE, Road Tunnel	FE 67/30	960	FCC, Guinovart, OSHSA
Spain	High Speed Railway Line Cordoba/ Málaga Túnel Álora-Túnel El Espartal	FE 67/30	1200	Ferrovial
 Switzerland	AlpTransit Railway tunnel ARGE Ferden	FE 67/30	2740	Losinger, Prader, EDIT
Switzerland	A5 Highway, tunnels Concise et Lance	FE 67/30	700	Frutiger, Batigroup, Walo
Switzerland	Alp Transit Gotthard, Bodio 553 Fondazioni Speciali	FE 67/30	700	Pizzarotti, Muttoni, Ferrari,





Hooked End Fibres: HE 55/35 | HE+ 55/35

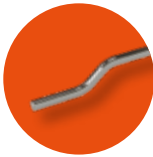
LOCATION	PROJECT	FIBRE	TONNE	CONTRACTORS	
 Faroe Island	Eysturoy tunnel	HE+ 55/35	1000	NCC Norway	
	Norway	E6 and Dovrebanan Rail and Road tunnels, Beton Øst AS	HE 55/35	500	Contractor Alpine, Hæhre Entreprenør
	Norway	Storberget Rail Tunnels, NorBetong AS	HE 55/35	1000	NCC
	Norway	Skillingmyr Rail Tunnels, NorBetong AS	HE 55/35	1000	Veidekke
	Norway	E136 Vågstrand Road Tunnels, NorBetong AS	HE 55/35	400	Bilfinger Construction, M3
	Norway	134 Gvammen, Fertigbetong	HE+ 55/35	1000	NCC
	Norway	134 Kongsberg, Fertigbetong	HE+ 55/35	500	Veidekke
	Norway	E 134, Kongsberg, Ferdigbetong A/S	HE+ 55/35	300	Metrostav
	Norway	E 18 Kjørholt og Bambletunnelene. Norbetong,	HE+ 55/35	400	Hæhre Entreprenør AS
	Norway	Rv 36 Slåttekåstunnelen	HE +55/35	24	NCC Norway
	Spain	High Speed Railway Line Madrid, Valencia Villagordo Venta Del Moro - Naharros	HE 55/35	1300	Acciona Infraestructuras
	Spain	High Speed Railway Line Basque Country Legorreta, Ute Legorreta	HE 55/35	900	Acciona, Viuda De Sainz
	Spain	High Speed Railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilagarcia De Arousa-Catoira, Ute Catoira	HE 55/35	500	Acciona Infraestructuras, Obras Subterranas
	Spain	High Speed railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilaboa - Soutomayor	HE 55/35	300	Comsa
	Spain	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
	Spain	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
	Spain	High Speed railway Line Barcelona/French border, Plataforma Ave Barcelona Sants – Figueres, Ute Estación Ave Sarria Del Ter	HE 55/35	600	Aldesa, Coalvi
	Spain	Road Tunnel Canarias Nueva Carretera Autopista Gc1 Tramo Puerto Rico/Mogán, Ute Gc1 Puerto Rico Mogan	HE 55/35	750	FCC, Isolux, Petrecan
	Spain	High Speed railway Line Asturias, Plataforma Ave Leon Asturias Tramo, Sotillo - Campomanes	HE 55/35	600	Acciona Infraestructuras
	Sweden	Nya Karolinska Solna University Hospital Solna/ Stockholm Rock stabilization	HE 55/35	150	Skanska Asphalt & Betong
	UK	Crossrail C-510, Liverpool street and Whitechapel Stations	HE 55/35	4800	BBMV-Balfour Beatty, Morgan Sindall, Alpine Bemo, Vinci
	UK	Crossrail C-305, C305 Eastern Running Tunnels	HE+ 55/35	1000	DSJV- Dragados Sisk

Steel Fibres for underground sprayed concrete projects:






Hooked End Fibres: HE 55/35 GL | HE+ 55/35 GL

LOCATION	PROJECT	FIBRE	TONNE	CONTRACTORS
 Finland	Kiistala mine, Rudus Oy	HE 55/35 GL	600	Skanska Infra, Lemminkäinen Infra
Finland	Kemi mine, KiBe Oy	HE+ 55/35 GL	250	Tapojärvi, Outokumpu
 France	Road Tunnel Descendant Ouest Monaco	HE 55/35 GL	270	Eiffage/EMT
France	Road Tunnel Borne Romaine	HE 55/35 GL	219	Campenon B/EMT
France	Railway Tunnel TELT Lyon Turin Galerie St Martin La Porte	HE 55/35 GL	738	Spie Batignolles - Eiffage



Hooked End Fibre: HE 75/35

LOCATION	PROJECT	FIBRE	TONNE	CONTRACTORS
 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 Grouft (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
 Spain	A6 Highway Madrid, Road Tunnel in Sierra de Guadarrama Ute Tunel Valle De Los Caidos	HE 75/35	303	Dragados, Acsa, Agbar
Spain	High Speed Railway Line Madrid Levante Railway tunnel in Alicante, Ute Sax Elda	HE 75/35	290	Sacyr, Cavosa
Spain	High Speed Railway Line, Madrid/Asturias Railway tunnel in Asturias, Ute Ave Campomanes	HE 75/35	866	Comsa, Corsan, Corviam Construcion
Spain	High Speed Railway Line Galicia Railway tunnel, Ute Vigo Das Maceiras	HE 75/35	166	Acciona Infraestructuras, FCC Construcion
Spain	High Speed Railway Line Basque Country Railway tunnel, Ute Aramaio	HE 75/35	116	Acciona Infraestructuras, Viuda De Sainz
Spain	Highway Autovia de la Plata Road tunnel in Sevilla, Ute Mediafanega	HE 75/35	329	Sacyr, Cavosa
Spain	High Speed Railway Line Madrid, Barcelona/ France Railway tunnel in Barcelona, Ute Ave Cornella	HE 75/35	262	Sacyr, Cavosa

