TBM 1,5 / 6N
TBM 2,2 / 6N
TBM 2,2 / 4
TBMex 2,2 / 4
TBM 3 / 4
TBMex 3 / 4
TBM 4 / 4
TBMex 4 / 4
TBM 5,5 / 4N
TBMex 5,5 / 4
TBM 7,5 / 4N
TBMex 7,5 / 4
TBM 9 / 4N
TBMex 9 / 4
TBM 11 / 4
TBMex 11 / 4
TBM 15 / 4N
TBMex 15 / 4
TBM 18,5 / 4N
TBMex 18,5 / 4
TBM 22 / 4
TBM 25 / 4

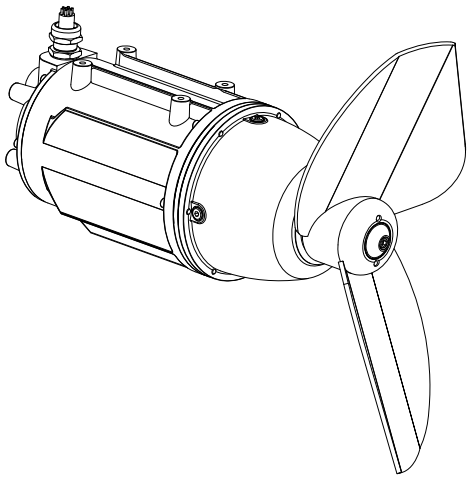
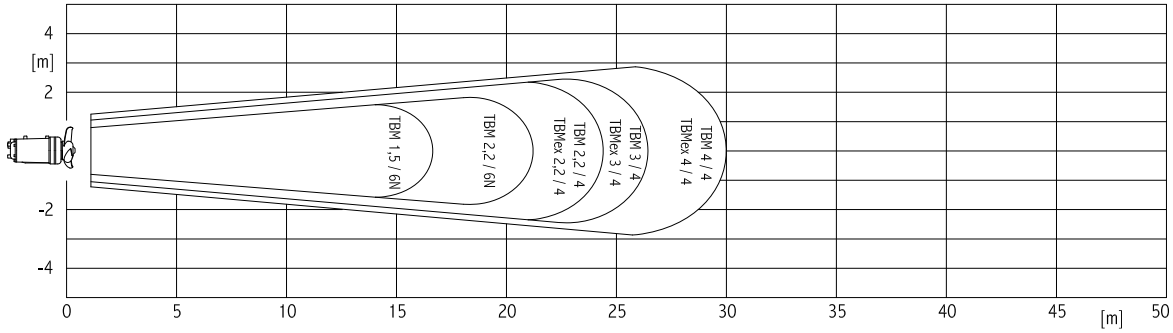
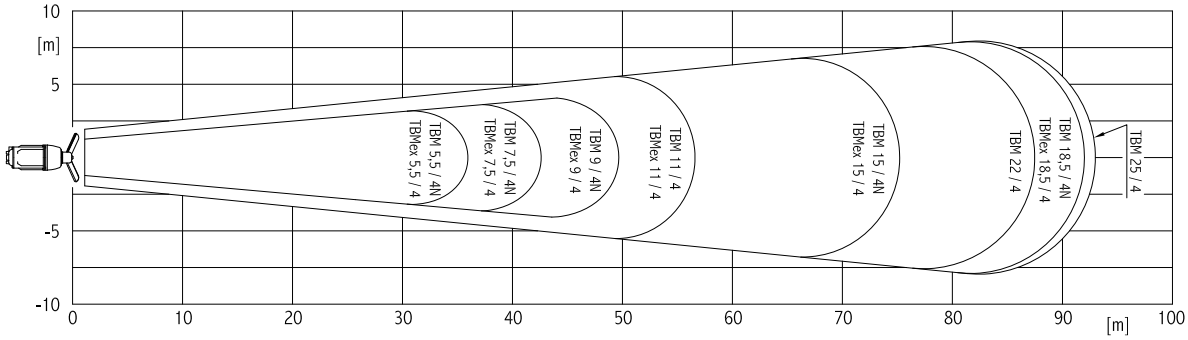


DIAGRAMMA PRESTAZIONI
Estensione flusso per v = 0,3 m/s in acqua pulita

PERFORMANCE DIAGRAM
Flow extension for speed v = 0,3 m/s in clean water

DIAGRAMME PERFORMANCE
Extension du flux pour vitesse v = 0,3 m/s en eau propre





CARATTERISTICHE STANDARD

Motori elettrici asincroni trifase con rotore a gabbia di scoiattolo.
N°2 sonde termiche inserite nell'avvolgimento statorico.
Grado di protezione " IP 68 ".
Isolamento classe " F ".
Max profondità immersione 20 m.
Max contenuto sostanze solide in sospensione 12%.
Cavo sommergibile in neoprene H07-RN-F.
pH liquido 5 ÷ 12.
Max temperatura del liquido pompato 40°C.
Servizio continuo.
Idonei all'utilizzo con convertitore di frequenza (inverter).

STANDARD FEATURES

Asynchronous three phase electric motors with squirrel cage rotor.
N.2 thermic probes installed in the stator winding.
Protection " IP 68 ".
" F " class insulation.
Max submergence depth: 20 m.
Max solid content in the liquid: 12%.
Submersible H07-RN-F neoprene cable.
Liquid pH 5 - 12.
Max temperature of pumped liquid: 40°C.
Continuos service.
Suitable for use with inverter.

CARACTERISTIQUES STANDARD

Moteurs électriques asynchrones triphasés, rotor à cage d'écureuil.
N°2 sondes thermiques incorporées dans l'enroulement du stator.
Degré de protection " IP 68 ".
Isolement classe " F ".
Max profondeur d'immersion 20 m.
Max contenu de substances solides en suspension 12%.
Max pH du liquide 5 ÷12.
Câble immergé en néoprène H07-RN-F.
Max température du liquide pompé 40°C.
Service continu.
Adaptés pour l'utilisation avec variateur de fréquence (inverseur).

CARATTERISTICHE MOTORI TRIFASE - 50Hz - ALIMENTAZIONE 400 V ±10%
50 Hz - THREE-PHASE- MOTOR FEATURES - VOLTAGE RATING 400 V ±10%
CARACTERISTIQUES DES MOTEURS TRIPHASES - 50Hz - ALIMENTATION 400 V ±10%

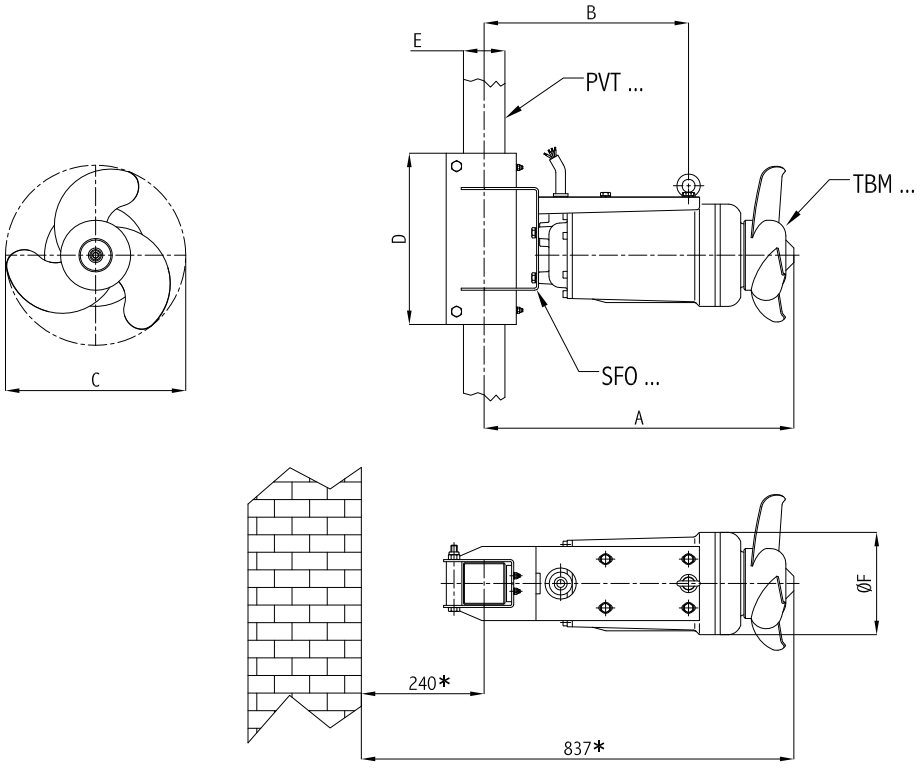
CARATTERISTIC. MISCELATORE
MIXER CHARACTERISTICS
CARACTERISTIQ. MELANGEUR

Tipo Type Type Standard	Atex II 2G Ex db IIB T5...T4 Gb Ex h IIB T5...T4 Gb X	Potenza Mot. Motor Rating Puissance Mot. [kW]	Avvolgimen. Windings Bobinage [V]	Assorbimento Absorption Intensité [A (400V)]	Cavo - Cable - Cable N°cavi N°cables N°cables	N° conduttori cavo N° of wires N° conducteurs câble [mm²]	Lunghezza cavo Cable length [m] Longueur câble	Avviamento Diretto Direct Direct	Avviamento 人-△	N° pale Blades N. Pales N.	Giri/min RPM T/min n	Portata Capacity Débit [m³/h]	Spinta ass.* Axial force* Poussée axi.* [N]
TBM 1,5 / 6N		1,5	230-400	4,2	1	9 x 1,5	10	人		3	925	643	230
TBM 2,2 / 6N		2,2		5,7				人			915	876	313
TBM 2,2 / 4	TBMex 2,2 / 4	2,2		4,9				人		2	323	1333	441
TBM 3 / 4	TBMex 3 / 4	3		6,4				人			323	1581	580
TBM 4 / 4	TBMex 4 / 4	4	400-690	9,1				△	人-△		320	2146	853
TBM 5,5 / 4N	TBMex 5,5 / 4	5,5		11,4		9 x 2,5		△	人-△		326	2391	981
TBM 7,5 / 4N	TBMex 7,5 / 4	7,5		15,3				△	人-△		328	3254	1520
TBM 9 / 4N	TBMex 9 / 4	9		19,2				△	人-△		328	3628	1826
TBM 11 / 4	TBMex 11 / 4	11		22,4		9 x 4		△	人-△		351	3977	2158
TBM 15 / 4N	TBMex 15 / 4	15		30				△	人-△		351	5335	2697
TBM 18,5 / 4N	TBMex 18,5 / 4	18,5		36				△	人-△		354	6884	3826
TBM 22 / 4		22		42		(7 x 10) + (3 x 1,5)		△	人-△	3	275	9165	4775
TBM 25 / 4		25		47				△	人-△		275	10138	5369

* Valori ricavati in accordo alla ISO 21630
* Values according to ISO 21630
* Les valeurs obtenues sont conformes à' l' ISO 21630

DIMENSIONI INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

TBM 1,5 / 6N
TBM 2,2 / 6N



Tipo Type Type	Motore Motor Moteur [kW]	DIMENSIONI INGOMBRO OVERALL DIMENSIONS DIMENSIONS D'ENCOMBREMENT [mm] A	B	C	D	☐E	Peso Weight Poids [kg]
TBM 1,5 / 6N	1,5	595	395	297	330	80x80	54
TBM 2,2 / 6N	2,2			347			57

* TBM + PVT/GVT + SFO

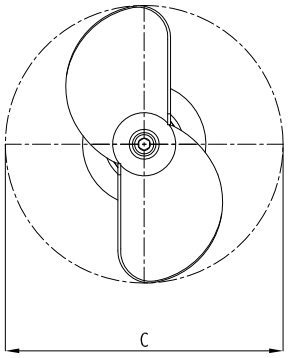
DIMENSIONI INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

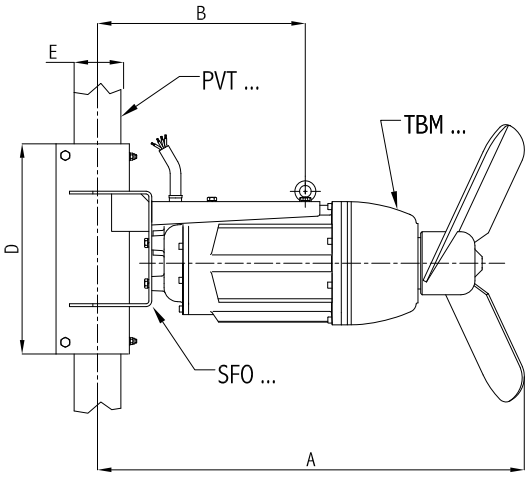
TBM 2,2 / 4 — TBMex 2,2 / 4 — TBM 3 / 4 — TBMex 3 / 4 — TBM 4 / 4 — TBMex 4 / 4

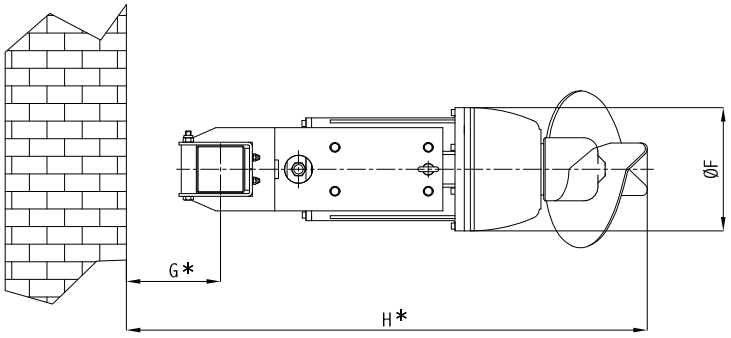
TBM 5,5 / 4N — TBMex 5,5 / 4 — TBM 7,5 / 4N — TBMex 7,5 / 4 — TBM 9 / 4N — TBMex 9 / 4

TBM 11 / 4 — TBMex 11 / 4 — TBM 15 / 4N — TBMex 15 / 4 — TBM 18,5 / 4N — TBMex 18,5 / 4

TBM 22 / 4 — TBM 25 / 4



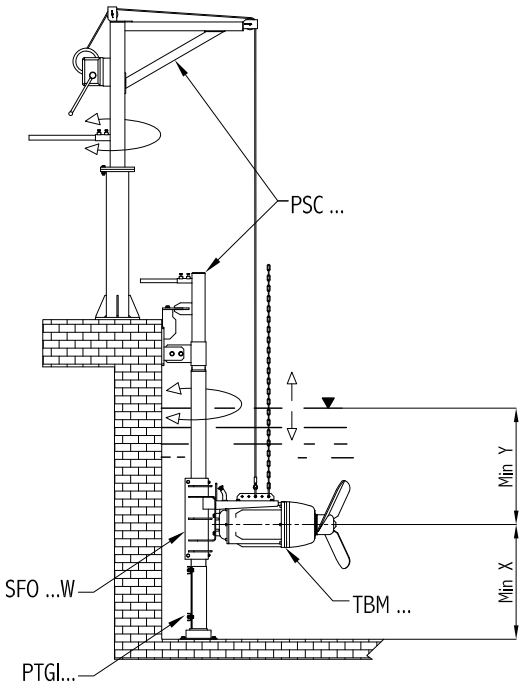




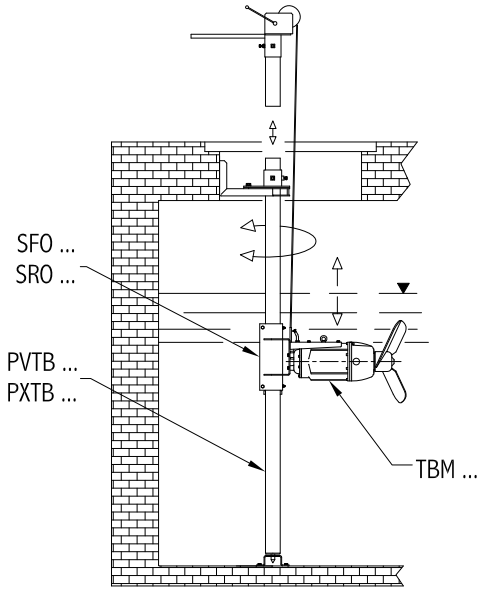
Tipo Type Type	Motore Motor Moteur	DIMENSIONI INGOMBRO OVERALL DIMENSIONS DIMENSIONS D'ENCOMBREMENT [mm]								Peso Weight Poids
	[kW]	A	B	C	D	⍁E	F	G*	H*	[kg]
TBM 2,2 / 4	2,2	810	395	445	330	80x80	197	240	1050	75
TBMex 2,2 / 4							235			77
TBM 3 / 4	3	816		460			197		1056	78
TBMex 3 / 4							235			80
TBM 4 / 4	4	828		515			197		1068	81
TBMex 4 / 4							235			83
TBM 5,5 / 4N	5,5	888	445	535	450	100x100	264	250	1138	109
TBMex 5,5 / 4										112
TBM 7,5 / 4N	7,5	999		585					1149	115
TBMex 7,5 / 4										118
TBM 9 / 4N	9	917		595					1157	123
TBMex 9 / 4										126
TBM 11 / 4	11	1015	505	600	550		310		1265	183
TBMex 11 / 4										187
TBM 15 / 4N	15	1030		720					1280	193
TBMex 15 / 4										197
TBM 18,5 / 4N	18,5	1037		780					1287	203
TBMex 18,5 / 4										207
TBM 22 / 4	22	1351	725	930	650	150x150	334	280	1631	314
TBM 25 / 4	25	1367		970					1647	325

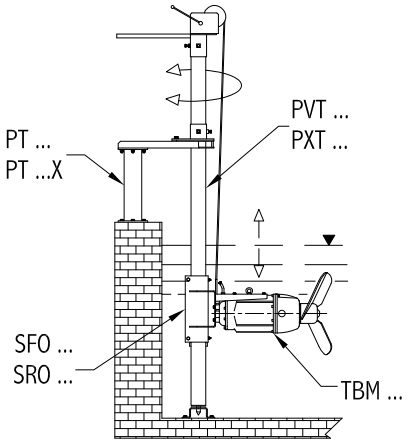
* TBM + PVT/GVT + SFO

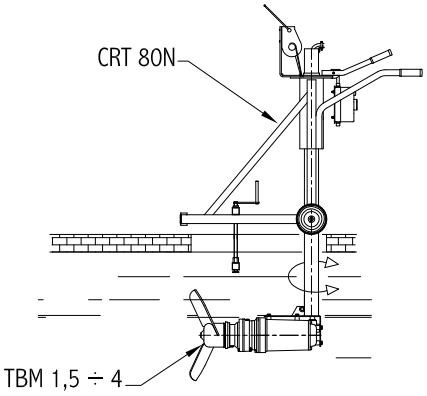
INSTALLAZIONI POSSIBILI - POSSIBLE INSTALLATIONS - INSTALLATIONS POSSIBLES

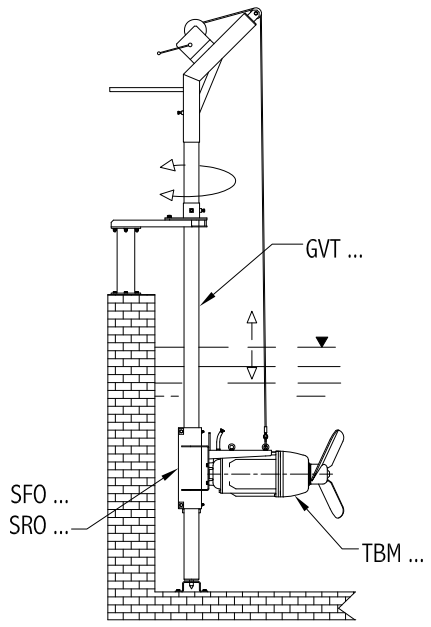


SOMMERGENZA MINIMA RACCOMANDATA RECOMMENDED MINIMUM SUBMERGENCE SUBMERSION MINIMUM RECOMMANDÉE [mm]			
Tipo - Type - Type		Min X	Min Y
TBM 1,5 / 6N		500	600
TBM 2,2 / 6N			
TBM 2,2 / 4	TBMex 2,2 / 4	500	700
TBM 3 / 4	TBMex 3 / 4		
TBM 4 / 4	TBMex 4 / 4		
TBM 5,5 / 4N	TBMex 5,5 / 4	670	750
TBM 7,5 / 4N	TBMex 7,5 / 4		
TBM 9 / 4N	TBMex 9 / 4		
TBM 11 / 4	TBMex 11 / 4	1000	850
TBM 15 / 4N	TBMex 15 / 4		
TBM 18,5 / 4N	TBMex 18,5 / 4		
TBM 22 / 4		1050	950
TBM 25 / 4			

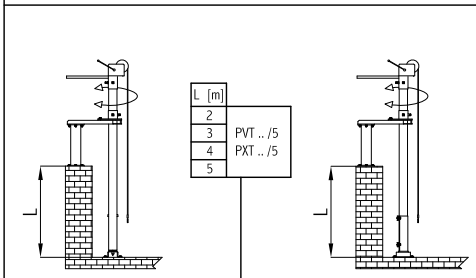
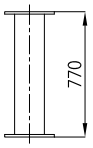
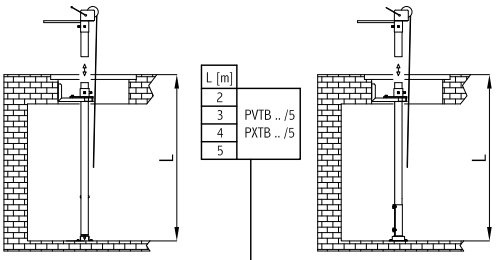




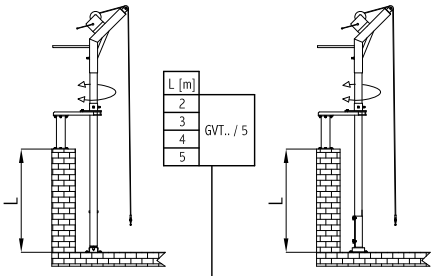
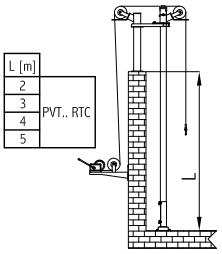
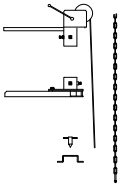
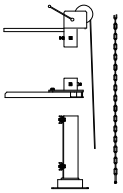




ACCESSORI - ACCESSORIES - ACCESSOIRES

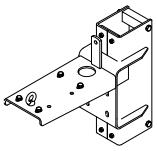
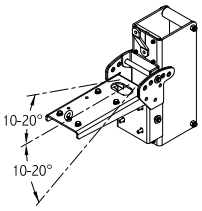
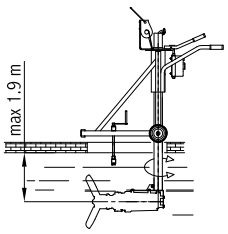
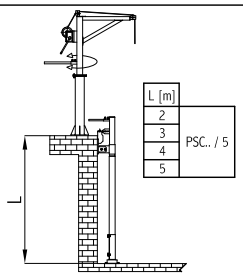
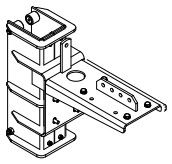
Tipo Type Type	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau guide		Piantone Spacer Colonne	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau guide	
					
TBM 1,5 - 2,2 / 6N	PVT 80 / 5 PXT 80 / 5	.....	PT 80 PT 80X	PVTB 80 / 5 PXTB 80 / 5	.....
TBM 2,2 - 3 - 4 / 4					
TBMex 2,2 - 3 - 4 / 4					
TBM 5,5 - 7,5 - 9 / 4N	PVT 100 / 5 PXT 100 / 5		PT 100 PT 100X	PVTB 100 / 5 PXTB 100 / 5	
TBMex 5,5 - 7,5 - 9 / 4					
TBM 11 / 4	.....	PVT 150 / 5N PXT 150 /5N		.....	PVTB 150 / 5N PXTB 150 / 5N
TBMex 11 / 4					
TBM 15 - 18,5 / 4N					
TBMex 15 - 18,5 / 4					
TBM 22 / 4		PVT 150R / 5	PT 150R		PVTB 150R / 5
TBM 25 / 4					

PVT... / PVTB... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé
PXT... / PXTB... / PT...X = Attrezzature in acciaio inox - Stainless steel equipment - Équipement en acier inoxydable

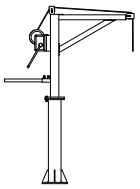
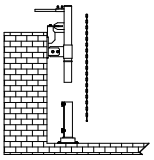
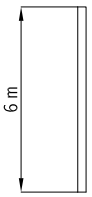
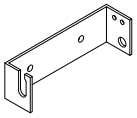
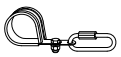
Tipo Type Type	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau guide		Paranco con rimando a terra Hoist with ground command return Treuil avec retour de commande au sol	Kit di sollevamento Lifting kit Potence	
					
TBM 1,5 - 2,2 / 6N	GVT 80 / 5	.....	.....	KIT PVT 80 KIT PXT 80	.....
TBM 2,2 - 3 - 4 / 4					
TBMex 2,2 - 3 - 4 / 4					
TBM 5,5 - 7,5 - 9 / 4N	GVT 100 / 5			KIT PVT 100 KIT PXT 100	
TBMex 5,5 - 7,5 - 9 / 4					
TBM 11 / 4	.....	GVT 150 / 5N	PVT 150 / 5N RTC	.....	KIT PVT 150N KIT PXT 150N
TBMex 11 / 4					
TBM 15 - 18,5 / 4N					
TBMex 15 - 18,5 / 4					
TBM 22 / 4		GVT 150R / 5	.....		KIT PVT 150R
TBM 25 / 4					

GVT... / KIT PVT... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé
KIT PXT... = Attrezzature in acciaio inox - Stainless steel equipment - Équipement en acier inoxydable

ACCESSORI - ACCESSORIES - ACCESSOIRES

Tipo Type Type	Staffa motore Motor bracket Support du moteur	Staffa motore inclinabile Adjustable motor bracket Support réglable du moteur	Carrello per pozzetti Trolley Chariot	Gru con verricello e tubo guida Cranes winch and rail pipe Grues poulie et tuyau guide	Staffa motore con rullini Motor bracket with rolls Support du moteur avec rouleaux
					
TBM 1,5 - 2,2 / 6N	SFO 80	SRO 80	CRT 80N	PSC 80 / 5	SFO 80W
TBM 2,2 - 3 - 4 / 4					
TBMex 2,2 - 3 - 4 / 4					
TBM 5,5 - 7,5 - 9 / 4N	SFO 100	SRO 100	.....	PSC 100 / 5	SFO 100W
TBMex 5,5 - 7,5 - 9 / 4					
TBM 11 / 4	SFO 150	SRO 150			SFO 150W
TBMex 11 / 4					
TBM 15 - 18,5 / 4N					
TBMex 15 - 18,5 / 4					
TBM 22 / 4	SFO 180	.....		PSC 150R / 5	SFO 180W
TBM 25 / 4					

CRT 80N / PSC... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé

Tipo Type Type	Kit gru con verricello Cranes and winch kit Kit grues et poulie	Kit fissaggio tubo guida Fixing kit for rail pipe Kit de fixation pour tuyau guide	Tubo guida Rail pipe Tuyau carré	Staffa attacco catena e fune Bracket for chain and rope Support pour chaîne et corde	Fermacavo Cable stop Arrêt de câble
					
TBM 1,5 - 2,2 / 6N	KIT PVG 80	KIT PTG 80	KIT PGI 80	SCF	FC 18
TBM 2,2 - 3 - 4 / 4					
TBMex 2,2 - 3 - 4 / 4					
TBM 5,5 - 7,5 - 9 / 4N	KIT PVG 100	KIT PTG 100	KIT PGI 100		FC 20
TBMex 5,5 - 7,5 - 9 / 4					
TBM 11 / 4					FC 26
TBMex 11 / 4					
TBM 15 - 18,5 / 4N					
TBMex 15 - 18,5 / 4					
TBM 22 / 4	KIT PVG 150R	KIT PTG 150R	KIT PGI 150R		FC 28
TBM 25 / 4					

KIT PVG... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé