



casagrande

XP

B200

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B200^{XP}
HYDRAULIC PILING RIG

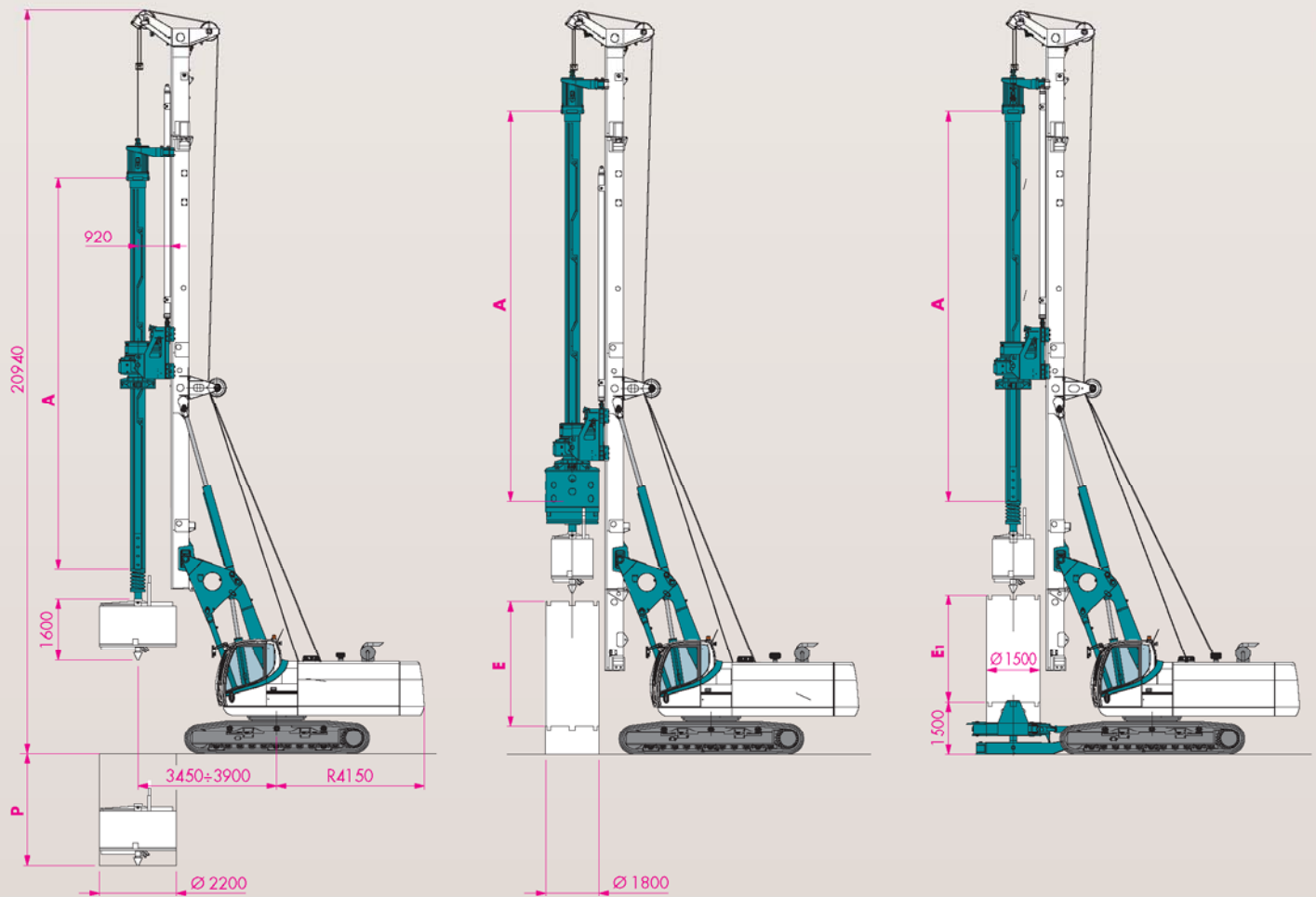
PILING	PALI		
Max depth	Profondità max		67 m
Max diameter	Diametro max		2200 mm
Max diameter with casing - Crowd ram	Diametro max con tubo - Martinetto pull-down		1800 mm
Max diameter with casing - Crowd winch	Diametro max con tubo - Argano pull-down		1500 mm
Max diameter with casing oscillator	Diametro max con morsa giracolonna		1500 mm
C.F.A. CONTINUOUS FLIGHT AUGER	ELICA CONTINUA C.F.A.		
Max depth	Profondità max		26 m
Max diameter	Diametro max		1000 mm
SOIL MIXING	SOIL MIXING		
Max depth	Profondità max		25 m
Max diameter	Diametro max		1000 mm
DIAPHRAGM WALL	DIAFRAMMI		
Max depth	Profondità max		37,5 m
Max length of trench	Lunghezza max scavo		3000 mm
Max width of trench	Larghezza max scavo		1200 mm
UNDERCARRIAGE	CARATTERISTICHE CARRO		
Width with retracted/extended tracks	Larghezza con cingoli chiusi/ aperti		2500/3900 mm
Tracks length	Lunghezza cingoli		5190 mm
Shoes width	Larghezza pattini		700 mm
ENGINE	MOTORE	CUMMINS QSC 8.3 INTERCOOLER	
Power at 2200 rpm	Potenza a 2200 giri	EU Stage IIIA - US EPA TIER III - 227 kW	
ENGINE	MOTORE	CUMMINS QSL 9 INTERCOOLER	
Power at 2200 rpm	Potenza a 2200 giri	EU Stage IIIB - US EPA TIER IVi - 239 kW	
Hydraulic power	Potenza idraulica		200 kW
MAIN WINCH	ARGANO PRINCIPALE		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		240 kN
Max line speed	Velocità max fune		91 m/min
AUXILIARY WINCH	ARGANO AUSILIARIO		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		83 kN
Max line speed	Velocità max fune		75 m/min
MAIN WINCH FOR KRC USE	ARGANO PRINCIPALE USO KRC		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		160 kN
Max line speed	Velocità max fune		106 m/min
ROTARY HEAD	TESTA ROTARY	H22 SX *	H22
Max torque	Coppia max	180 kNm	210 kNm
Max drilling speed	Velocità max lavoro	70 rpm	34 rpm
Discharge speed	Velocità di scarico	100 rpm	120 rpm
CROWD RAM	MARTINETTO PULL-DOWN		
Max line pull	Tiro max		211 kN
Max crowd	Spinta max		123 kN
Stroke	Corsa		6000 mm
CROWD WINCH	ARGANO PULL-DOWN		
Max line pull	Tiro max		280 kN
Max crowd	Spinta max		280 kN
Stroke	Corsa		13800 mm
MAST INCLINATION	INCLINAZIONE MAST		
Forward Backward Lateral	Avanti Indietro Laterale		3° 15° ±3°
WEIGHT	PESO		
Weight in working condition	Attrezzatura in condizioni di lavoro		~ 63 t

* For Soil Mixing applications / Per impiego Soil Mixing

PILING ARRANGEMENT - PDC

ALLESTIMENTO PALI - PDC

CROWD RAM - MARTINETTO PULL-DOWN

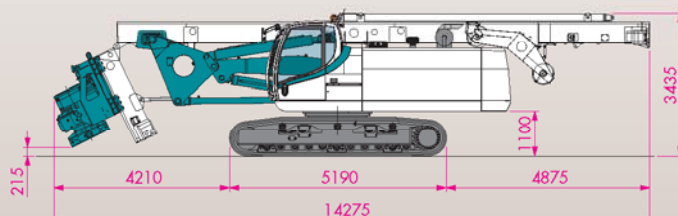


DRILLING DEPTH	PROFONDITÀ DI SCAVO		A	7500	9500	11000	12500	14500
Nominal Kelly bars length	Lunghezza nominale aste							
Kelly bars 3 elements	Aste a 3 elementi	m	P	19	25	30	34	40
Kelly bars 4 elements	Aste a 4 elementi	m	P	26	34	40	46	54
Kelly bars 5 elements	Aste a 5 elementi	m	P	32	42	50	57	67
Casing length	Lunghezza tubo	mm	E	4500	4500	3500	2000	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁ *	6000	4500	3000	—	—

* PD ram on high position / Martinetto PD su attacco alto

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



WEIGHT - PESO ~ 57,5 t

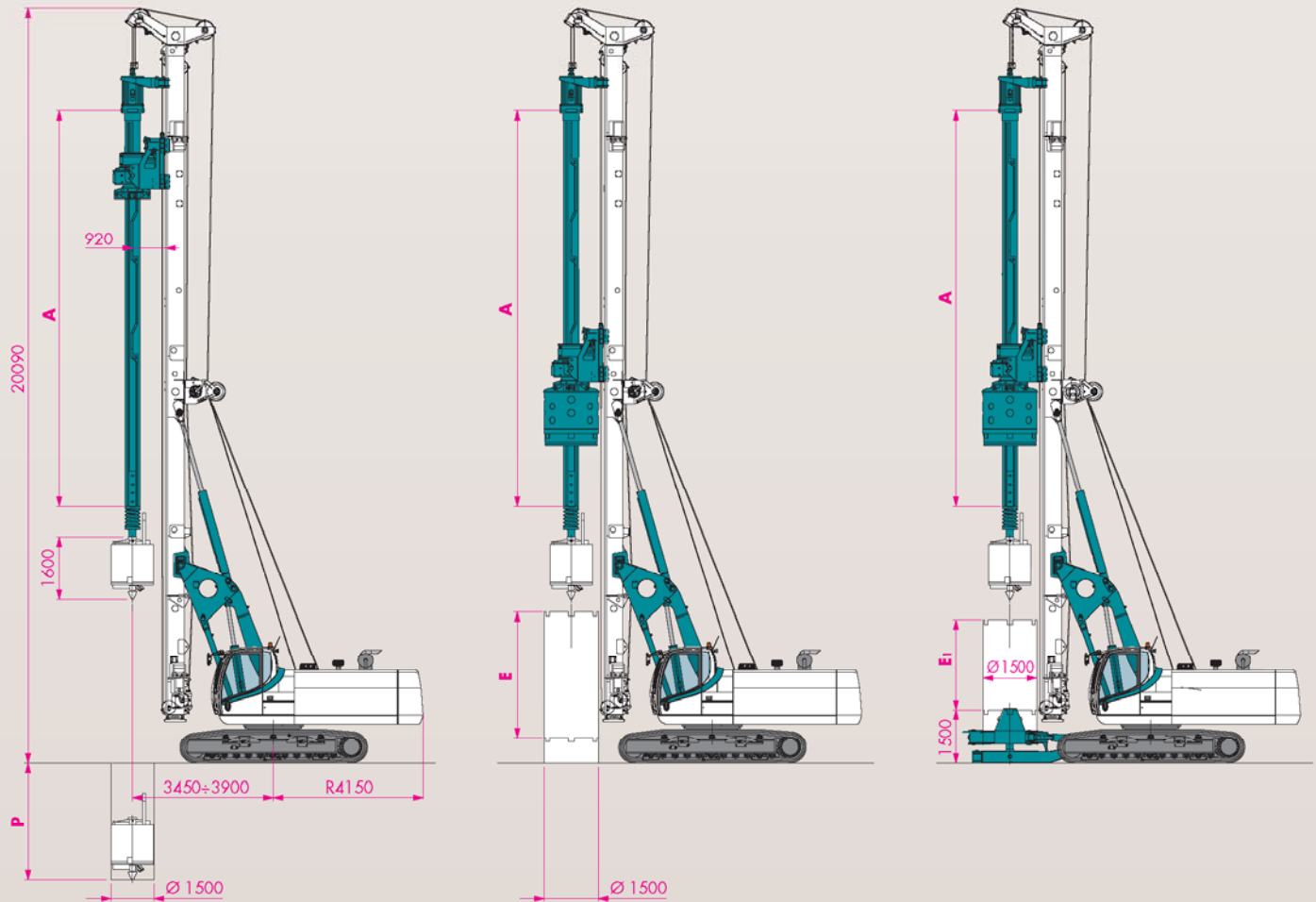
Without counterweight and rotary head
Senza zavorra e rotary ~ 43 t

PILING ARRANGEMENT - PDW

ALLESTIMENTO PALI - PDW

B200
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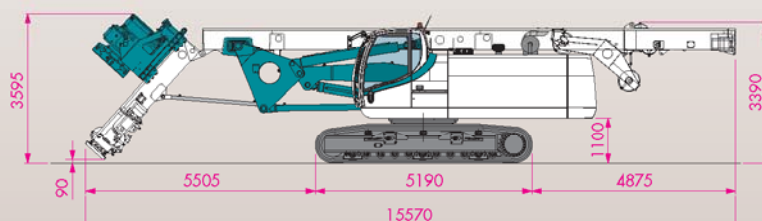
CROWD WINCH - ARGANO PULL-DOWN



DRILLING DEPTH	PROFONDITÀ DI SCAVO		A	7500	9500	11000	12500	14500
Nominal kelly bars length	Lunghezza nominale aste							
Kelly bars 3 elements	Aste a 3 elementi	m	P	19,5	25	30	34	40
Kelly bars 4 elements	Aste a 4 elementi	m	P	26	34	40	46	54
Kelly bars 5 elements	Aste a 5 elementi	m	P	32	42	50	57	67
Casing length	Lunghezza tubo	mm	E	7000	5000	3500	2000	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	6000	4000	2500	—	—

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

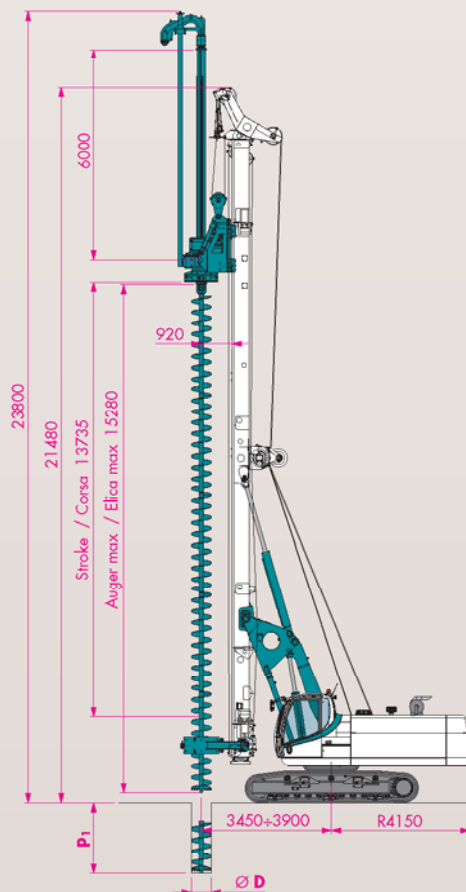
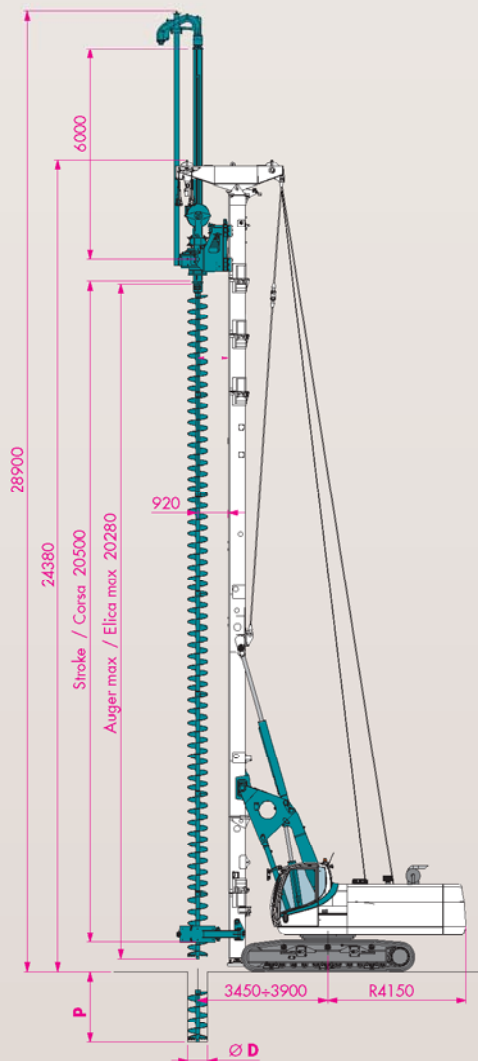


WEIGHT - PESO ~ 61 t
Without counterweight and rotary head
Senza zavorra e rotary ~ 46,5 t

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

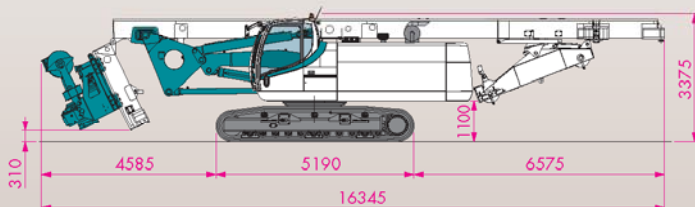
QUICK CFA VERSION - VERSIONE CFA RAPIDO



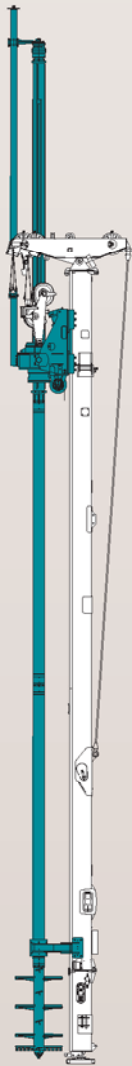
DRILLING DEPTH	PROFONDITÀ DI SCAVO		CFA	QUICK CFA
Max Diameter	Diametro max	Ø	D 1000	1000
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P 25	P₁ 18,3
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P 26	P₁ 19,3
Extraction force	Forza di estrazione	kN	660	—
Extraction / crowd force	Forza di estrazione / spinta	kN	—	400/280

TRANSPORT DIMENSIONS

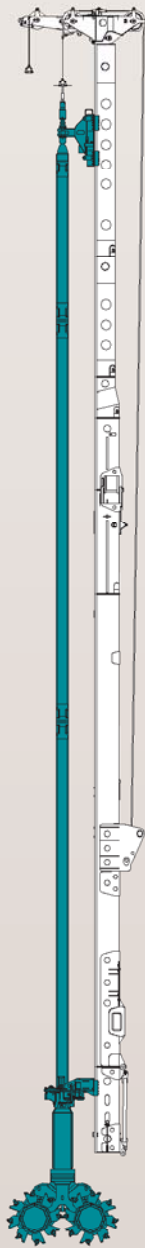
DIMENSIONI DI TRASPORTO



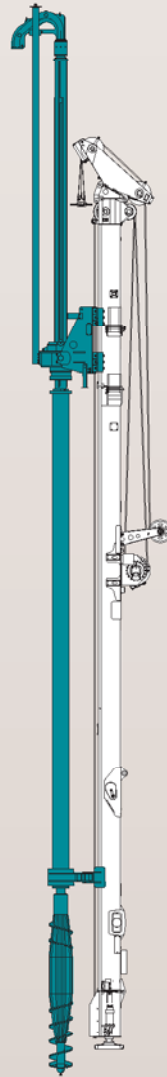
WEIGHT • PESO	
	~ 65 t
Without counterweight and rotary head Senza zavorra e rotary	~ 50 t



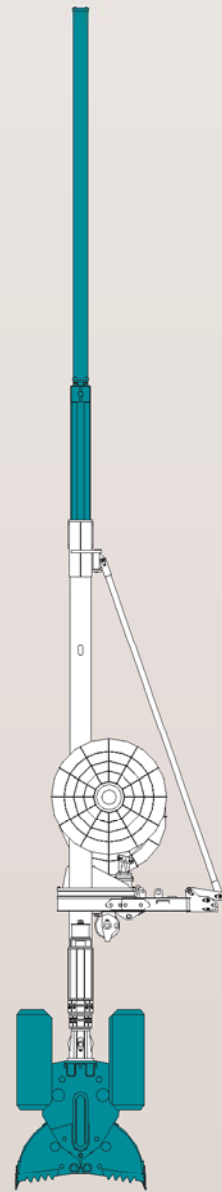
SOIL MIXING
Depth 25 m
Ø 1000 mm



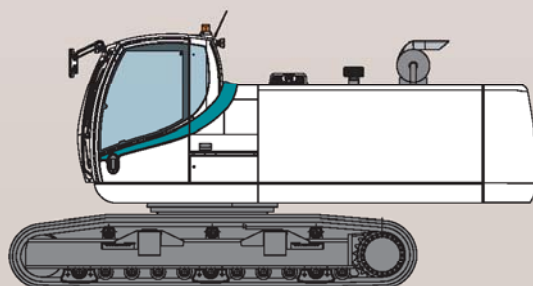
**CSM CUTTER
SOIL MIXING**
Depth 19 m
Trench 1000 x 2800 mm



**DISPLACEMENT
PILE**
Depth 25 m
Ø 520 mm



**KRC
DIAPHRAGM WALL**
Depth 37 m
Trench 1200 x 3000 mm



CASAGRANDE HYDRAULIC PILING RIGS RANGE



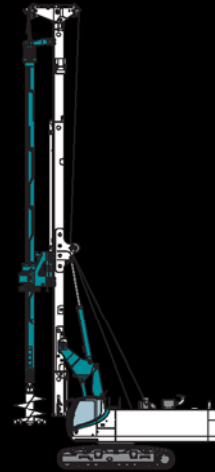
B125XP



B175XP



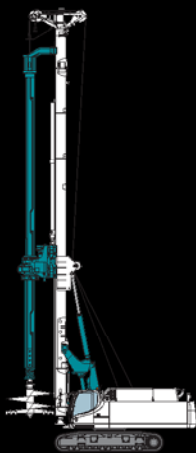
B200XP



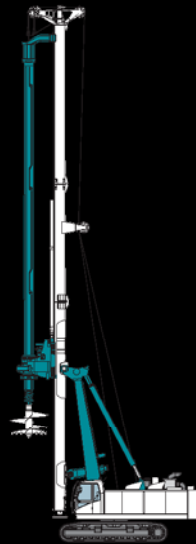
B250XP



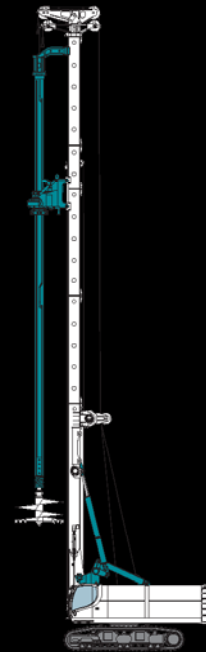
B300XP



B360XP



C850



B450XP

All data contained in this brochure are indicative and does not take power losses into account. All data can be changed without notice.
Tutti i dati riportati su questo catalogo sono indicativi e non considerano perdite di carico. Tali dati possono variare senza preavviso.



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