


Anti-fall safety device


Electric cabinet with remote control


Roller bearings

Column and boom FCB 3000/4000 - 5000/4000 ML 420

Heavy-Duty column and boom mountable on stationary base or vehicle

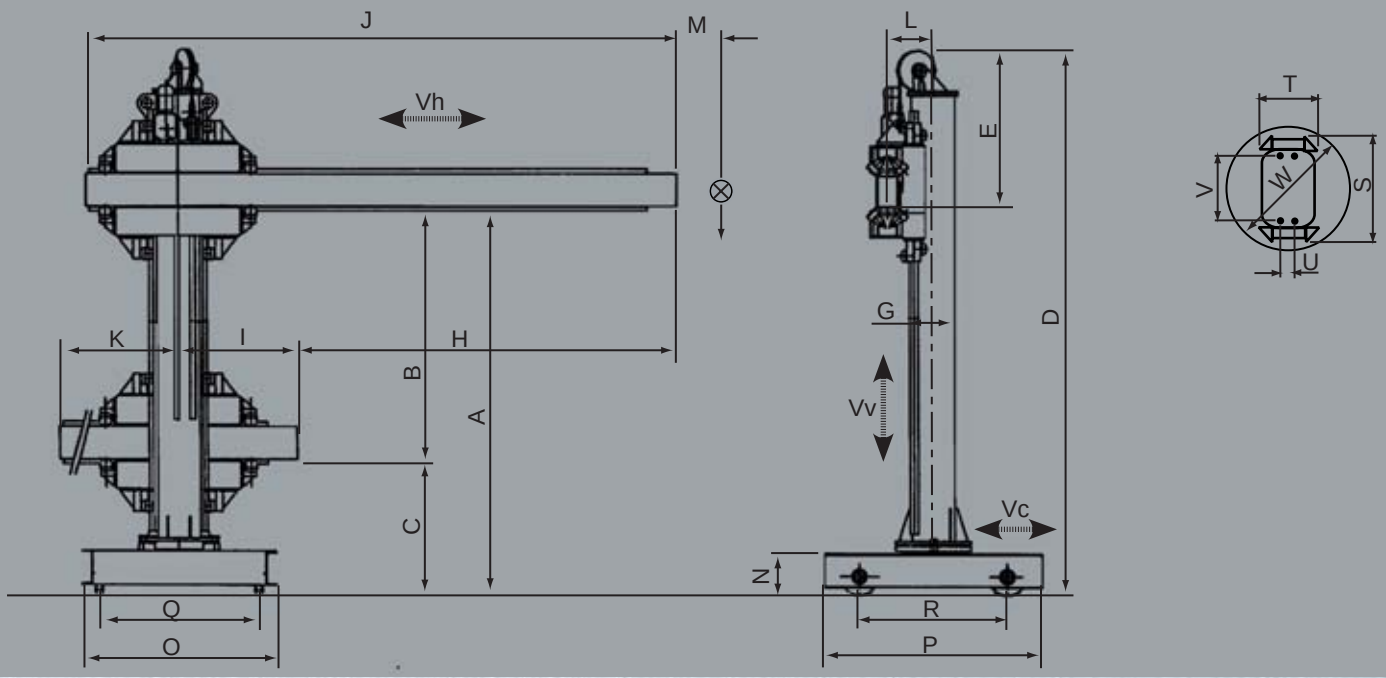
Standard equipment
Column rotating on crossroll bearing to enable the boom to be moved manual through 360° manual rotation
Mounted on all rigid fabricated base complete with machined guideways for elevation of boom carriage
Robust fabricated steel boom carriage counterbalanced and fitted with an anti-fall safety device
Carriage raised and lowered by electric motor fitted with electro-magnetic brake through rack and pinion
Boom machined accurateley through its length and mounted in adjustable guide rollers running in totally enclosed bearings, giving vibrationless movement of mounted devices
Limit-switch function
Electric cabinet mounted at base of column (forward/stop/reverse/ 2x speed pots one for each direction/ raise/lower/emergency-stop)

Standard equipment
Remote control unit (forward/stop/reverse/raise/lower/ emergency-stop) with cable (8 m)
Mains cable (10m) without plug
4 pc. concrete anchor with M24 nut
4 pc. leveling device (metal plates and screws)

Recommended areas of use
Column and boom for motorized positioning of a compound slide-system FCS or weld head for internal and external welding

Options
Platform for control units/power sources
Mounting plates
Brackets suitable for weld torch
Encoder-system for weld axes
Driving vehicle motorized (DV-MO) or manual (DV-MA)
Rail-system

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Technical data	FCB 3000-4000	FCB 4000-4000	FCB 4000-5000	FCB 5000-4000
Max. loading capacity (end of boom)	420 kg	420 kg	420 kg	420 kg
Deflection	5,42 mm	6,17 mm	8,30 mm	6,91 mm
Mains voltage/frequency	3x415V / 60Hz	3x415V / 60Hz	3x415V / 60Hz	3x415V / 60Hz
Net weight	5600 kg	5812 kg	6500 kg	6000 kg
• A + C (min/max. height under boom)	1000 mm/4000 mm	1000 mm/5000 mm	1000 mm/5000 mm	1000 mm/6000 mm
• B (Vertical boom travel)	3000 mm	4000 mm	4000 mm	5000 mm
• D (Overall height)	5500 mm	6500 mm	6500 mm	7500 mm
• E (Minimum height to top)	1500 mm	1500 mm	1500 mm	1500 mm
• F (Column with)	540 mm	540 mm	540 mm	540 mm
• G (Column depth)	412 mm	412 mm	412 mm	412 mm
• H (Horizontal boom travel)	4000 mm	4000 mm	5000 mm	4000 mm
• I (Minimum boom lenght)	1100 mm	1100 mm	1100 mm	1100 mm
• J (Total boom lenght)	5950 mm	5950 mm	7950 mm	5950 mm
• K (min./max. back length)	855 mm/4855 mm	855 mm/4855 mm	855 mm/5855 mm	855 mm/4855 mm
• L (Boom out of center)	415 mm	415 mm	415 mm	415 mm
• M (Load distance)	300 mm	300 mm	300 mm	300 mm
• Vh (Horizontal speed)	10-200 cm/min	10-200 cm/min	10-200 cm/min	10-200 cm/min
• Vv (Vertical speed)	200 cm/min	200 cm/min	200 cm/min	200 cm/min

Stationary base/ motorized base			Boom		
N	Height	317 mm /365 mm	S	Height	390 mm
O	Width	1816 mm/ 1816 mm	T	Width	220 mm
P	Lenght	1816 mm/ 1990 mm	U	Holes distance	51 mm
Q	Track gauge	1435 mm	V	Holes distance	241 mm
R	Wheel base	1360 mm	W	Diameter	450 mm
Vc	Carriage speed	10-200 cm/min			

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