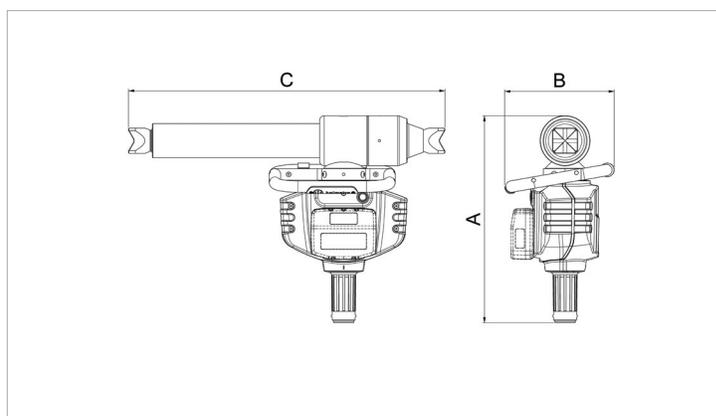


Ram | GRA 4331 EVO 3 (excl. battery)

Specifications

article number	158.052.208	
model	GRA 4331 EVO 3 (excl. battery)	
short description	Ram	
max. working pressure	psi	10443
spreading stroke	in	13.8
spreading / pulling stroke	in	13.8
retracted length	in	27.2
extended length	in	41
max. spreading force	lbf	36460
spreading force over full stroke	lbf	36460
max. pulling force	lbf	11265
pulling force over full stroke	lbf	11265
protection rate	IP54	
sound emission @ 1m/3.25ft	dB(A)	76
sound emission @ 4m/13ft	dB(A)	67
operator type	battery	
hydraulic oil type	ISO-L HV VG 15/22	
number of plungers	1	
weight, ready for use	lb	43.9
temperature range	°F	-4 + 131
dimensions (LxWxH)	in	27.2 x 17.8 x 9.4
weight excl. battery	lb	41.7
dimensions (AxBxC)	in	17.8 x 9.4 x 27.2
EN 13204 classification	R161/350-19.9	
EN 13204 compliant	Yes	
NFPA 1936, HPF	lbf	11265
NFPA 1936, HSF	lbf	36460
NFPA 1936, LPF	lbf	11265
NFPA 1936, LSF	lbf	36460
NFPA 1936 compliant	Yes	



Safety factors / tests

hydraulic safety factor	2:1
endurance test tool	1000 cycles of spreading and pulling while the tool is loaded
endurance test dead man's handle	6000 cycles

Standard supplied with

- Carrying handle with integrated LED lighting

Required articles

Greenline Battery BPA283	150.005.823
Greenline Battery BPA285	150.006.208
Greenline Battery Charger BCH1	150.182.208
Greenline Battery Charger BCH2	150.182.209
Greenline Battery Charger BCH3	150.182.286