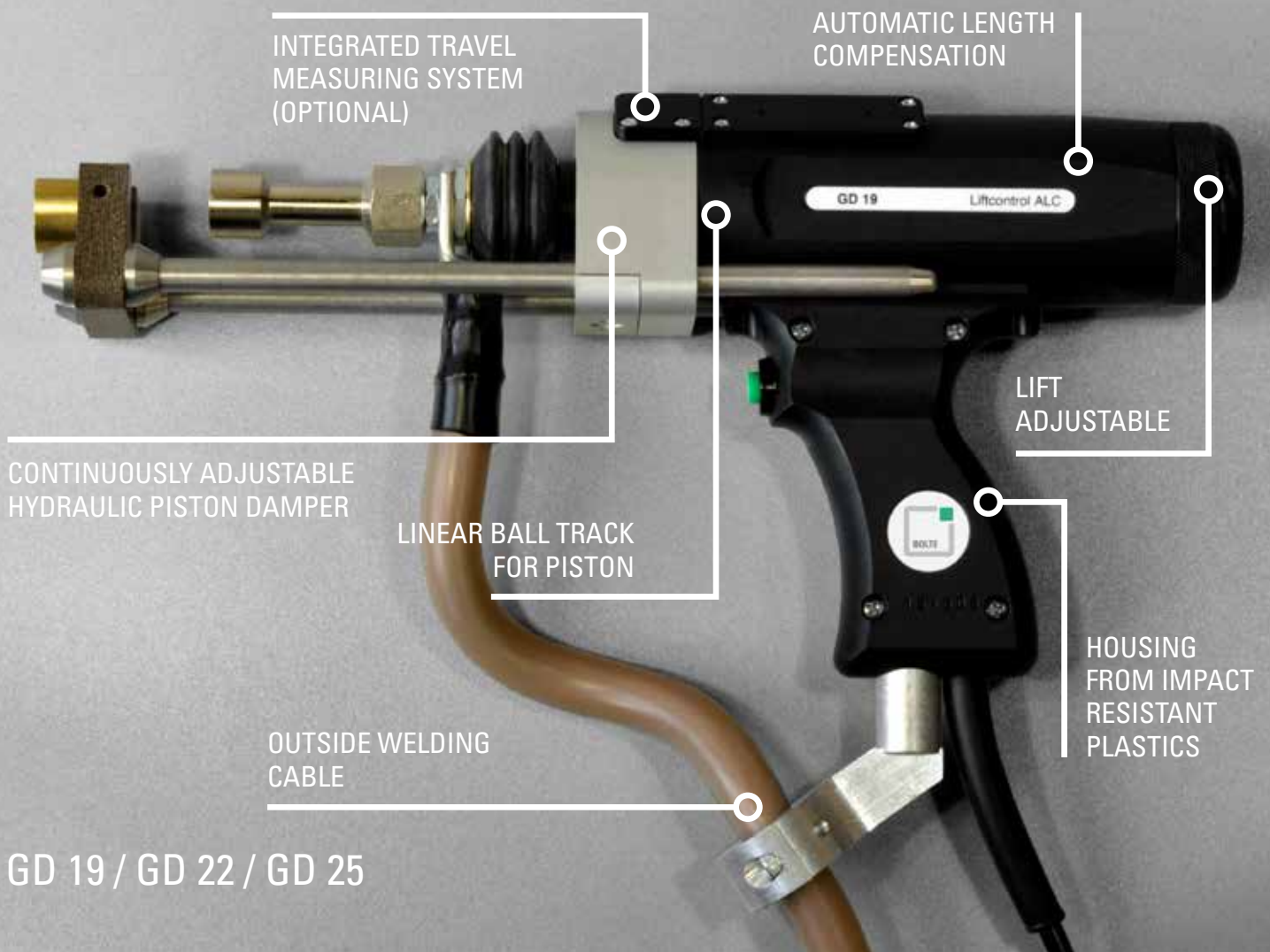




BOLTE

# GD

STUD WELDING GUNS FOR DRAWN ARC AND  
SHORT CYCLE STUD WELDING



INTEGRATED TRAVEL  
MEASURING SYSTEM  
(OPTIONAL)

AUTOMATIC LENGTH  
COMPENSATION

LINEAR BALL TRACK  
FOR PISTON

LIFT  
ADJUSTABLE

HOUSING FROM  
IMPACT RESISTANT  
PLASTICS

GD 12sc

INTEGRATED TRAVEL  
MEASURING SYSTEM  
(OPTIONAL)

AUTOMATIC LENGTH  
COMPENSATION

CONTINUOUSLY ADJUSTABLE  
HYDRAULIC PISTON DAMPER  
(ONLY GD 15)

LINEAR BALL TRACK  
FOR PISTON

LIFT  
ADJUSTABLE

HOUSING FROM  
IMPACT RESISTANT  
PLASTICS

GD 12 / GD 15

OUTSIDE  
WELDING CABLE  
(OPTIONAL)

## INTEGRATED TRAVEL MEASURING SYSTEM



- » MEASURING OF STUD PROTRUSION BEFORE THE WELD AS WELL AS STUD TRAVEL (LIFT, IMMERSION DEPTH, IMMERSION SPEED AND SHORT-CIRCUIT TIME) DURING THE WELD
- » MEASURED VALUES ARE SHOWN IN THE DISPLAY OF THE STUD WELDING UNIT\*

\*Only in connection with series PRO-I, PRO-D and PRO-S units.



- » ADVANTAGES:

### MONITORING OF WELDING QUALITY

- » Comparison of actual values to set values for each weld  
→ in case of variances a warning is displayed or the unit is locked for further welds
- » storage of the last ten welding parameter sets in the stud welding unit  
optional: welding parameter memory for 24500 welding parameter sets



### COMFORTABLE, EXACT AND FAST ADJUSTING OF STUD WELDING GUN

- » Correctly adjusted stud protrusion and lift are key factors for a high-quality stud weld.  
→ As the adjusted values are shown in the display of the unit time-consuming manual measuring is no longer necessary.

## TECHNICAL DATA AND CHARACTERISTICS

	GD 12sc	GD 12	GD 15	GD 16	GD 19	GD 22	GD 25
<b>Welding range (Ø mm)</b>							
Stud welding with ceramic ferrule		3 - 12	3 - 15	3 - 16	3 - 19	3 - 22	3 - 25
Stud welding with shielding gas		3 - 12	3 - 12	3 - 12	3 - 12	3 - 12	3 - 12
Short cycle stud welding with or without shielding gas	3 - 12						
<b>Lift (mm) adjustable</b>	0 - 2,5	0 - 2,5	0 - 2,5	0 - 4	0 - 4	0 - 6	0 - 6
<b>Hydraulic piston damper (continuously adjustable)</b>			x	x	x	x	x
<b>Integrated travel measuring system</b>	o	o	o	o	o	o	o
<b>Piston guide</b>							
Linear ball track	x	x	x	x	x	x	x
<b>Automatic length compensation</b>	x	x	x	x	x	x	x
<b>Welding cable</b>							
-cross-section (mm <sup>2</sup> )	35	35	35	50	70	95	120
-length (m)	5	5	5	5	2	2	2
<b>Welding cable</b>							
inside	x	x	x	x			
outside		o	o	o	x	x	x
<b>Control cable plug</b>	12-pin	12-pin	12-pin	12-pin	12-pin	12-pin	12-pin
<b>Housing from impact resistant plastics</b>	x	x	x	x	x	x	x
<b>Protection of piston guidance from welding spatters</b>	x	x	x	x	x	x	x
<b>Dimensions</b>							
Width (mm)	57	57	57	68	68	68	68
Height (mm)	163	163	163	180	180	180	180
Length (mm)	195	180	180	260	260	295	295
Weight without cable (kg)	1,5	1,4	1,45	1,86	1,86	2,45	2,45

x – Standard, o – Option



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