

SPOT WELDING GUNS

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3151-3/3156-3

APPLICATION AREAS

Double-spot welding is an indirect welding process, whereby the current potentials are placed next to one another. Flat-laying sheets are prerequisite for reproducible welding results.



TECHNICAL DATA

Type	3151-3	3156-3
Power rating at 50 % d.c.	3,4 kVA	7,9 kVA
Sec. short-circuit current	10,4 kA	10,4 kA
Electrode force	20 - 20 daN	20 + 20 daN
Operational force	5 mm	5 mm
Cooling	air cooled	water-cooled

TECHNICAL DETAILS

- for spot welding connections with one side accessibility
- electrode gap 38 mm
- electrode force is produced manually
- electrode holder are individually suspended

SPOT WELDING GUN Type 3151-3/3156-3

Technical Data* acc. to DIN 44753 / ISO 669			3151-3	3156-3	
Electrical Part	Machine power	Power rating, 50 % d.c.	kVA	3,4	7,9
		Continuous rating	kVA	2,4	5,6
		Continuous rating	kVA	37,3	37,3
		Continuous rating	kVA	28,8	28,8
	Machine voltage	Secondary idling voltage	V	3,3	3,3
		Number of regulating steps		0	0
	Mains connection	Rated primary voltage	V	400	400
		Rated primary current	V	8,5	20
		Rated frequency	Hz	50	50
		Supply power	kVA	22,4	22,4
		Primary short-circuit current	A	93	93
		1) Main switch / Fusing	A	C26/16	C26/16
		Wire range for cable length shorter = 15 m	mm²	4	4
	Secondary current	Rated operating current	kA	0,99	2,33
		Continuous current	kA	0,7	1,65
		Short-circuit current	kA	10,4	10,4
		Max. welding current	kA	8,32	8,32
		Perm. duty cycle at highest welding current	%	0,65	3,6
Mechanical Part	Hand-operation	Operational stroke	mm	5	5
		Electrode force	daN	20 + 20	20 + 20
	Electrode holder	Electrode gap	mm	38	38
		Electrode holder Ø	mm	19	19
		Spot electrode seat no. / outer Ø	mm	7/125	7/12,5
	Cooling water	Hose connection nominal width		NG6	NG6
		Operating pressure min. / max.	mm	2/5	2/5
		Consumption at max. loading	mm	2,5	2,5
	Dimensions	Width x depth x height	mm	83 x 258 x 438	83 x 258 x 457
		Weight	kg	11,6	12,6
		2) Steel sheet C-content smaller = 0,2 %	mm	1 + 1	1 + 1
Welding Control			RS 15 Z 16	RS 15 Z 16	

Notes:

- 1) operating class gL
- 2) subject to on influences

Technical alterations reserved.

*Details for shortest throat depth.