

SPOT WELDING GUNS

31

A 3139 S3

APPLICATION AREAS

DALEX Spot welding guns of the series 31 are applied almost exclusively in the motor vehicle trade and in car body repair workshops.

The Spot welding gun A 3139 S3 performs faultless repairs on those difficult areas, such as damage to chassis.

Thereby water-cooled secondary circuit guarantees the same 1st class quality for all welded points.



Upon request A 3139 S2 techn. data such as A 3139 S3. with Cardan spring balancer and compatible spring balancer: D4/21 or D5/30

TECHNICAL DATA

Type	A 3139 S3
Power rating at 50 % d.c.	8 kVA
Sec. short-circuit current	9,5 kA
Throat gap	120 mm
Electrode force	300 daN
Welding power	Steel sheet 3 + 3 mm
Compatible control unit	RS 15 Z alternative Variospot 3.3
Compatible water re cooler	COOL 1

TECHNICAL DETAILS

- double stroke mechanism
- compressed air operation
- water cooled gun and electrode arms
- non-distortion-free square electrode arms
- low-deflection square electrode arms for optimum performance of the high electrode force
- universal usage by means of an all-round mounting system
- rotation-resistant square mounting in gun body
- easy positioning of the spot welding gun via cardan spring balancer (A3139 S3)
- welding transformer cast resin sandwich construction
- welding quality remains constant via the same sandwich construction
- toggle-joint system for raising electrode force
- connecting cable in standard 10m standard length and low connected load / input valves
- fusing 16 A

SPOT WELDING GUN Type **A 3139 S3**

Technical Data* acc. to DIN 44753 / ISO 669			A 3139 S3		
Electrical part	Throat depth	mm	120		
	Machine power	Power rating 50 % d.c	kVA	8	
		Continuous rating	kVA	5,6	
		Max. short-circuit power	kVA	28	
		Max. welding power	kVA	22,4	
	Machine voltage	Secondary idling voltage	V	2,9	
		Mains connection	Rated primary voltage	V	400
	Rated frequency		Hz	50	
	Supply power		kVA	16,8	
	Main switch / Fusing		A	16	
	Wire range for cable length shorter = 15 m		mm ²	2,5	
	Secondary current	Rated operating current	kA	2,7	
		Continuous current	kA	1,9	
		Short-circuit current	kA	9,5	
		Max. welding current	kA	7,6	
		Perm. duty cycle at highest welding current	%	6,25	
	Mechanical part	Spot mounting	Throat gap	mm	120
			Electrode arm diameter, height x width	mm	20 x 20
Spot electrode / outer Ø			mm	12,5	
Compressed air operation		Short stroke / long stroke	mm	25/57	
		Electrode force min. / max.	daN	50/300	
Gun dimensions		3) Width x depth x height	mm	200 x 450 x 360	
		Weight	kg	15,5	
Welding values		1) Steel sheet 2)	mm	3 + 3	
		2) Round steel 15 % penetration	mm	8 + 8	

Notes:

- 1) subject to influences, at a max. permitted voltage drop of 4 %
- 2) weldable quality with metallic clean surface, C-content 0,2 %
- 3) excl. electrode arms and spring balancer

Technical alterations reserved.

*Details for shortest throat depth.