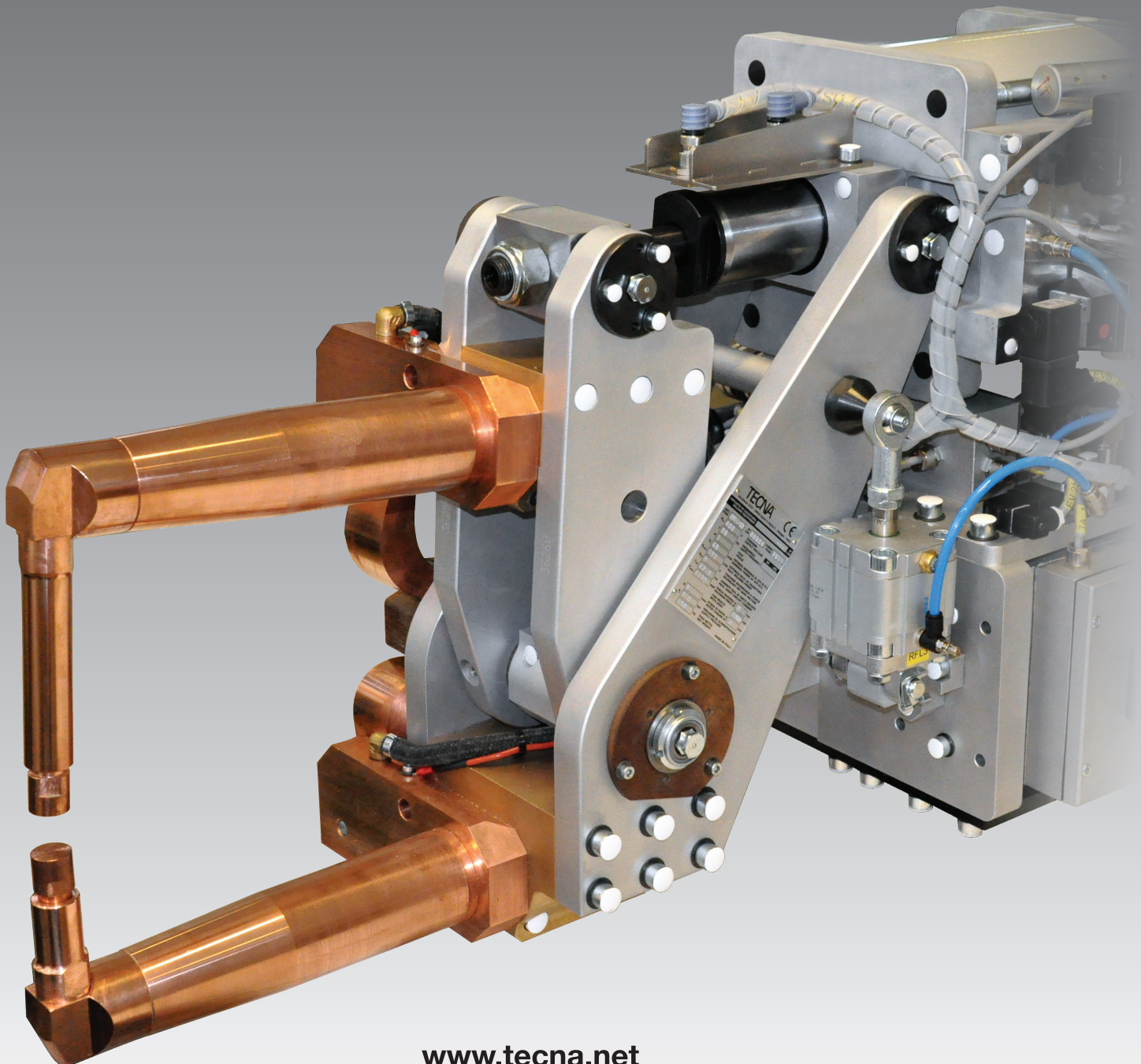


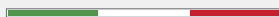
# TECNA<sup>®</sup>

Resistance Welding Systems & Balancers

## spot welding robot guns



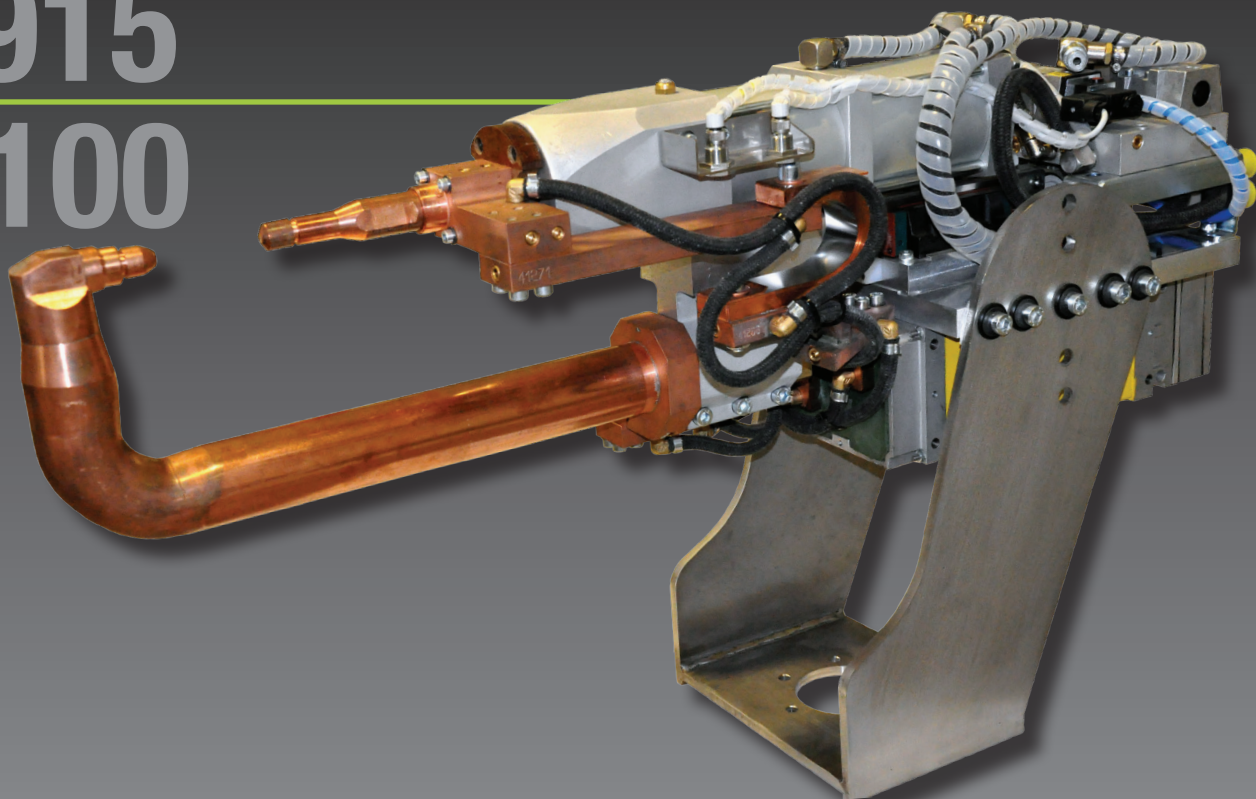
[www.tecna.net](http://www.tecna.net)



# 2915

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# Ø100



ROBOT SPOT WELDING GUN

# C-type

PNEUMATIC ACTUATOR TECNA

### general data

<b>Actuator sizes (6 bar)</b>		<b>Ø 100 mm</b>
<b>Welding force, daN</b>	<b>Arm code</b>	
	l1573	840 daN

### cylinder

<b>diameter</b>	<b>Ø 100 mm</b>
<b>Gun mass</b>	49 kg

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

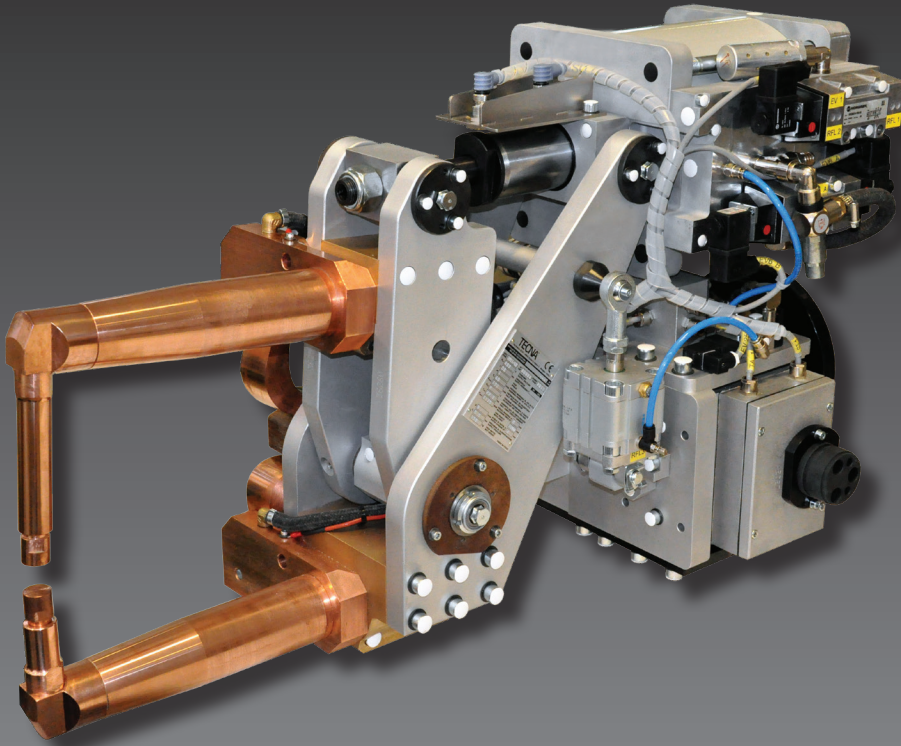
<b>Type</b>	<b>single-phase</b>		<b>medium frequency</b>	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

# 2920

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# Ø100



## ROBOT SPOT WELDING GUN

# X-type

## PNEUMATIC ACTUATOR TECNA

### general data

		Actuator sizes (6 bar)	Ø 100 mm		Ø 100 mm
Welding force, daN	Arm code (length)			Arm code (length)	
	4921 (300 mm)		319 daN	4925 (500 mm)	212 daN
	4922 (350 mm)		284 daN	4926 (600 mm)	182 daN
	4923 (400 mm)		255 daN	4927 (700 mm)	159 daN
	4924 (450 mm)		232 daN		

### cylinder

	diameter	Ø 100 mm
Gun mass		57 kg

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

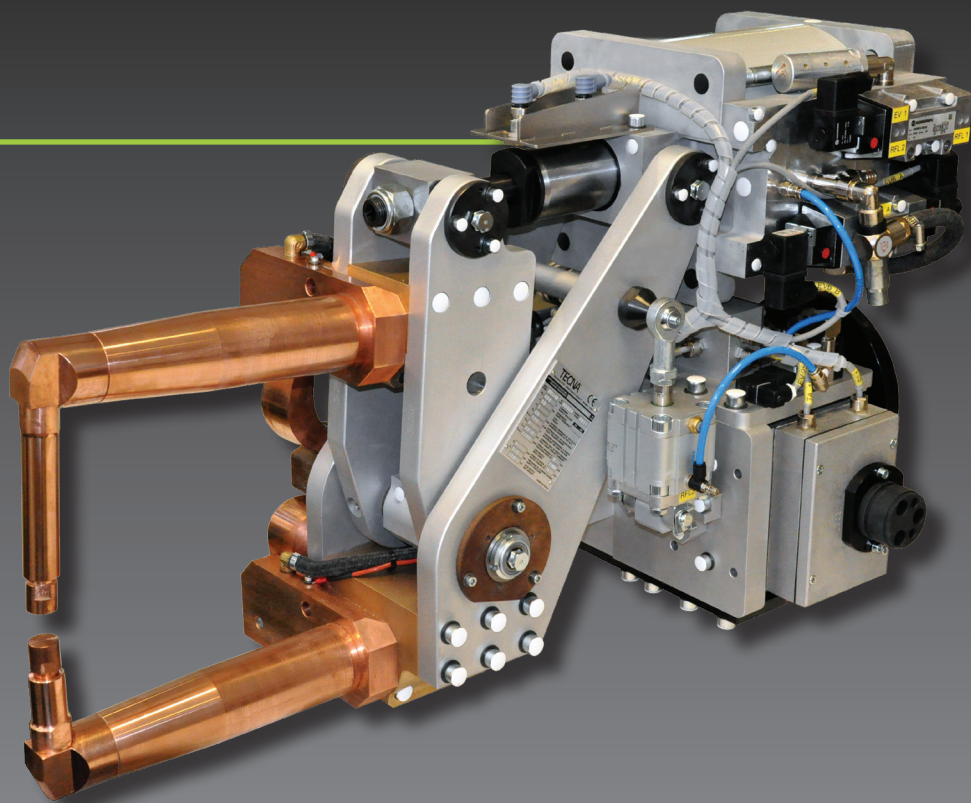
Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.



# 2900

# Ø125



ROBOT SPOT WELDING GUN

# X-type

PNEUMATIC ACTUATOR TECNA

### general data

Actuator sizes (6 bar)		Ø 125 mm		Ø 125 mm
Welding force, daN	Arm code (length)		Arm code (length)	
	4901 (300 mm)	500 daN	4905 (500 mm)	333 daN
	4902 (350 mm)	444 daN	4906 (600 mm)	285 daN
	4903 (400 mm)	399 daN	4907 (700 mm)	249 daN
	4904 (450 mm)	363 daN		

### cylinder

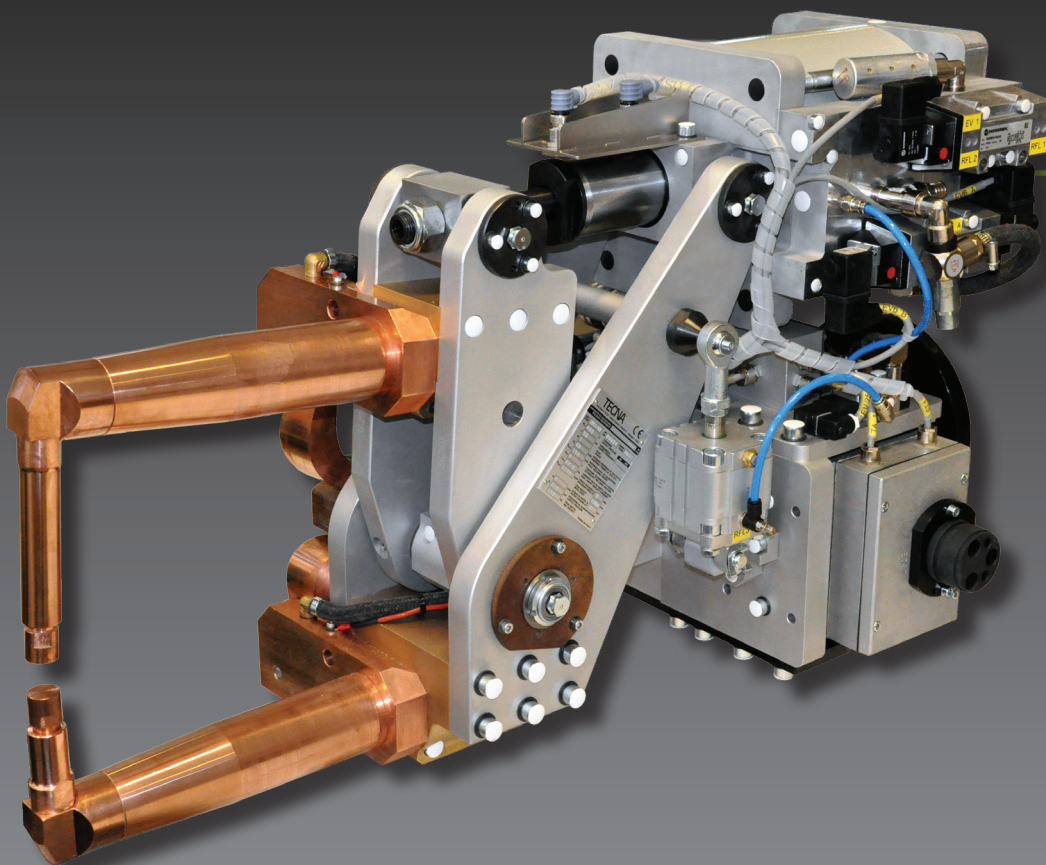
diameter	Ø 125 mm
Gun mass	73 kg

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.



# 2901

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# Ø160

ROBOT SPOT WELDING GUN

# X-type

PNEUMATIC ACTUATOR TECNA

### general data

		Actuator sizes (6 bar)	Ø 160 mm		Ø 160 mm
Welding force, daN	Arm code (length)			Arm code (length)	
	4901 (300 mm)		819 daN	4905 (500 mm)	545 daN
	4902 (350 mm)		728 daN	4906 (600 mm)	467 daN
	4903 (400 mm)		655 daN	4907 (700 mm)	409 daN
	4904 (450 mm)		595 daN		

### cylinder

	diameter	Ø 160 mm
Gun mass		79 kg

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

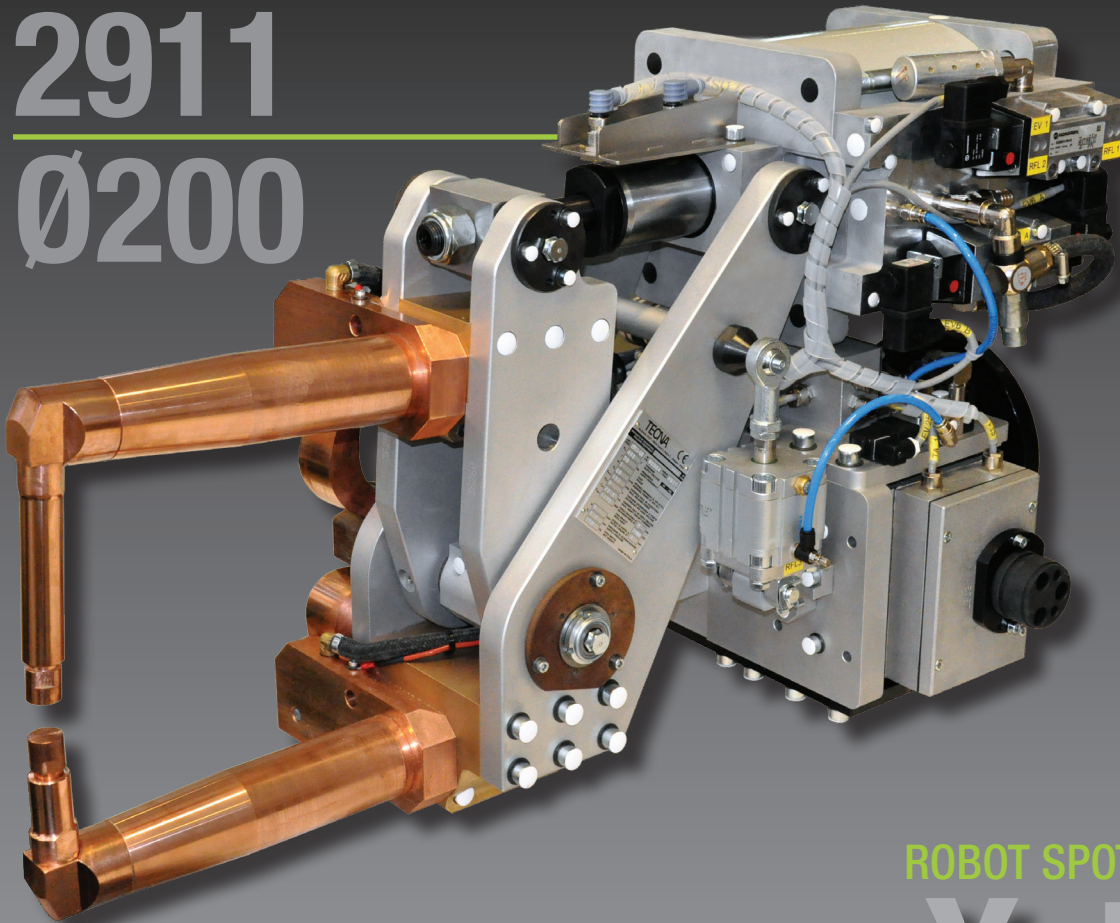
### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

# 2911

# Ø200



ROBOT SPOT WELDING GUN

# X-type

PNEUMATIC ACTUATOR TECNA

### general data

Actuator sizes (6 bar)		Ø 200 mm	Ø 200 mm	
Welding force, daN	Arm code (length)		Arm code (length)	
	4911 (300 mm)	1280 daN	4915 (500 mm)	852 daN
	4912 (350 mm)	1137 daN	4916 (600 mm)	730 daN
	4913 (400 mm)	1023 daN	4917 (700 mm)	638 daN
	4914 (450 mm)	930 daN		

### cylinder

diameter	Ø 200 mm
Gun mass	89 kg

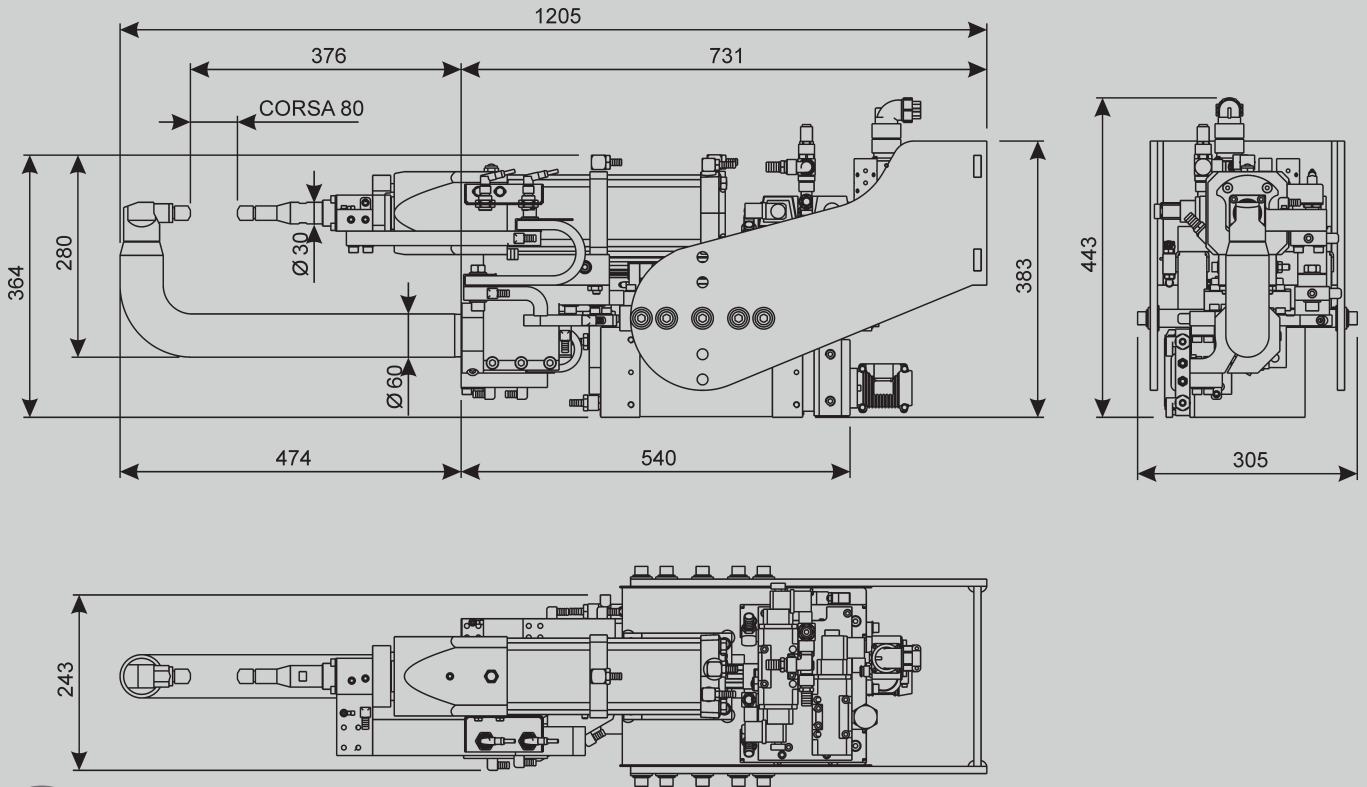
The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

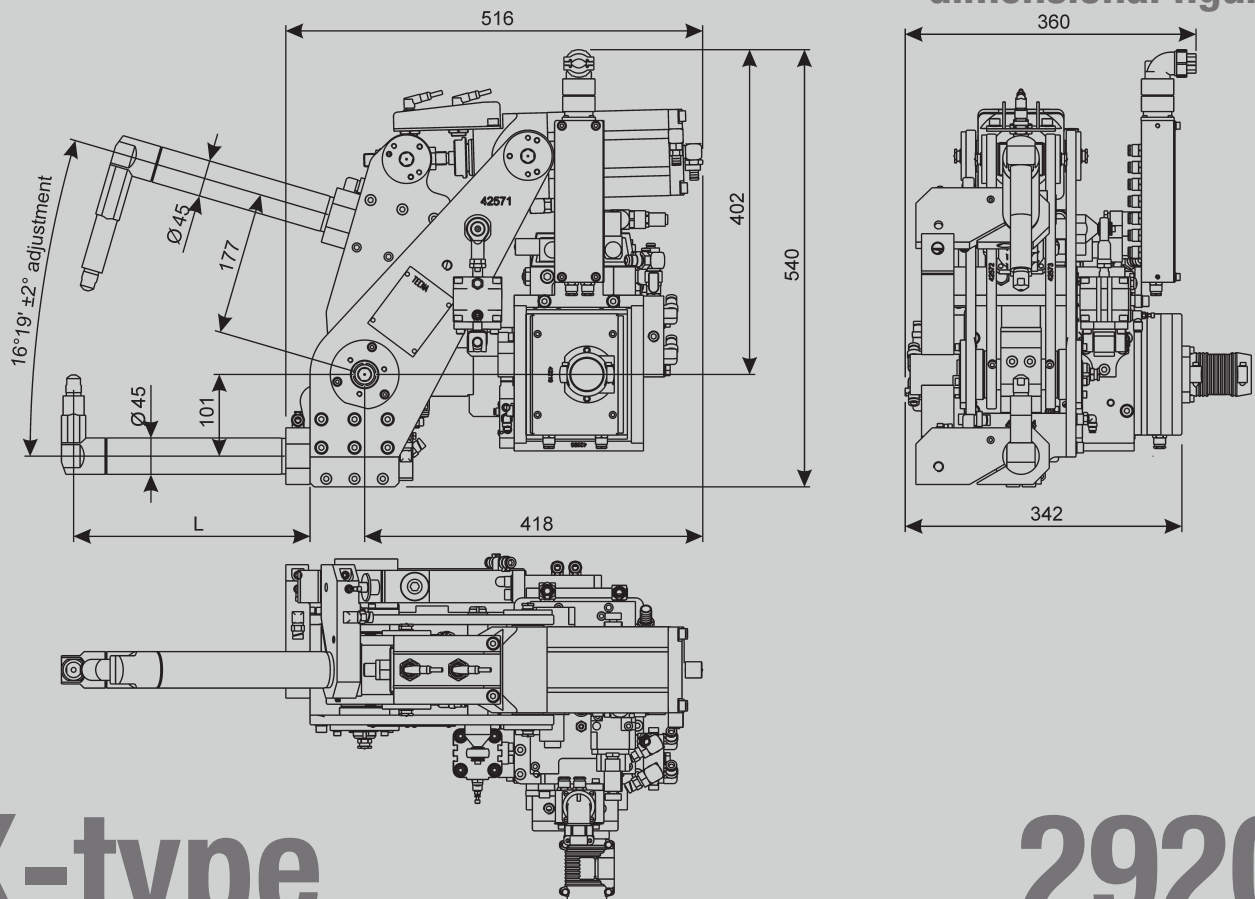
dimensional figures



C-type

2915

dimensional figures

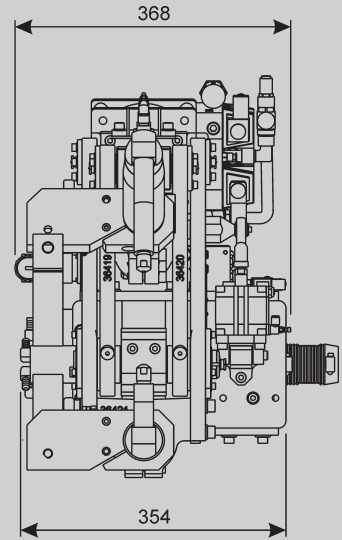
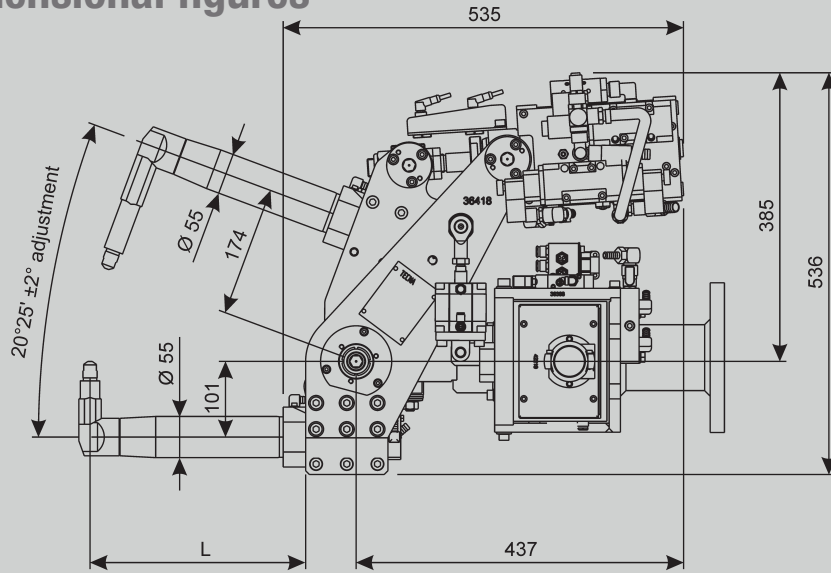


X-type

2920



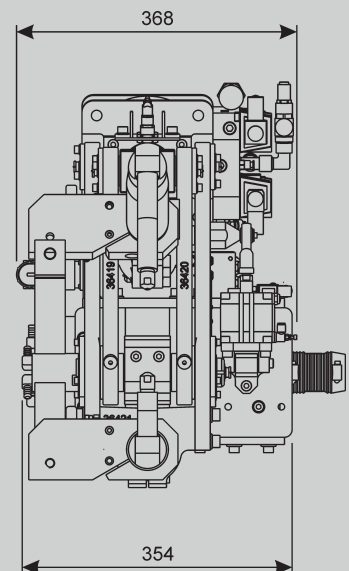
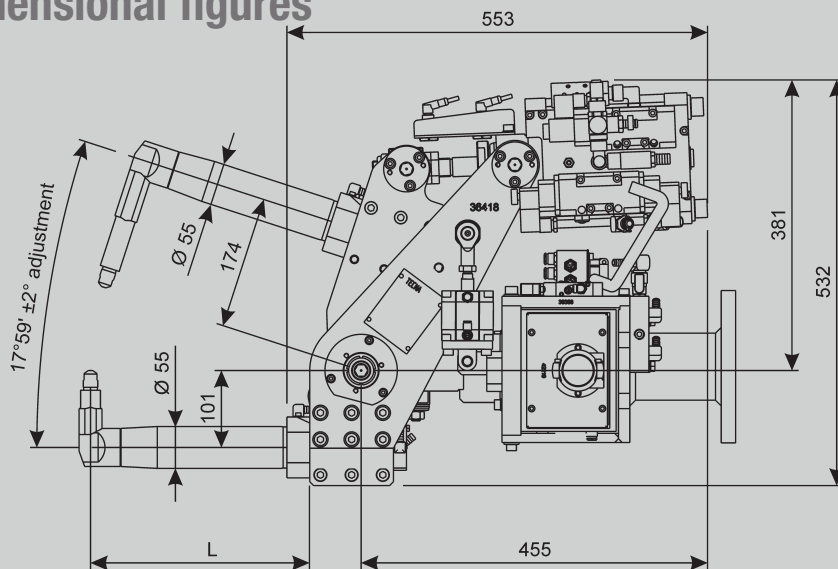
## dimensional figures



# 2900

# X-type

## dimensional figures

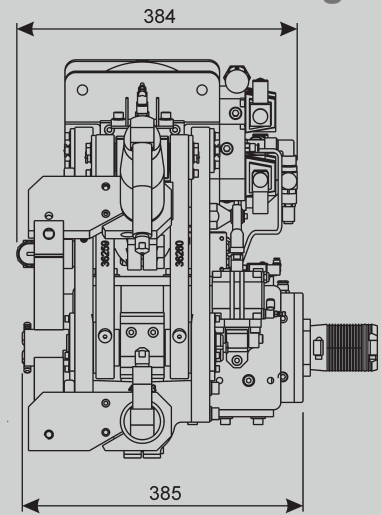
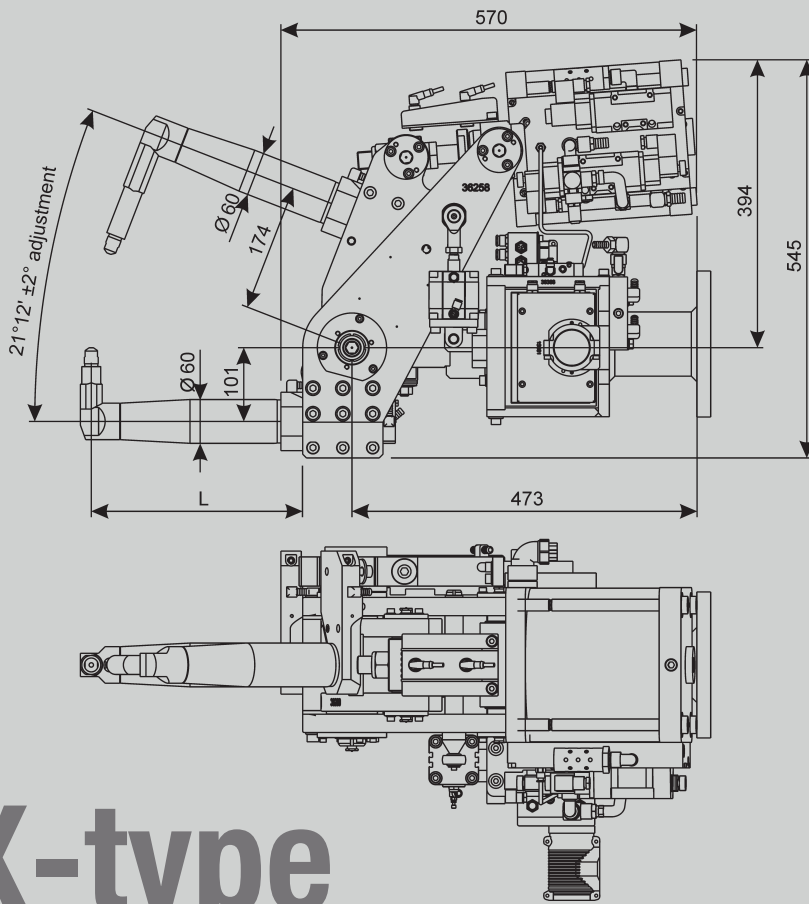


# 2901

# X-type



## dimensional figures



# X-type

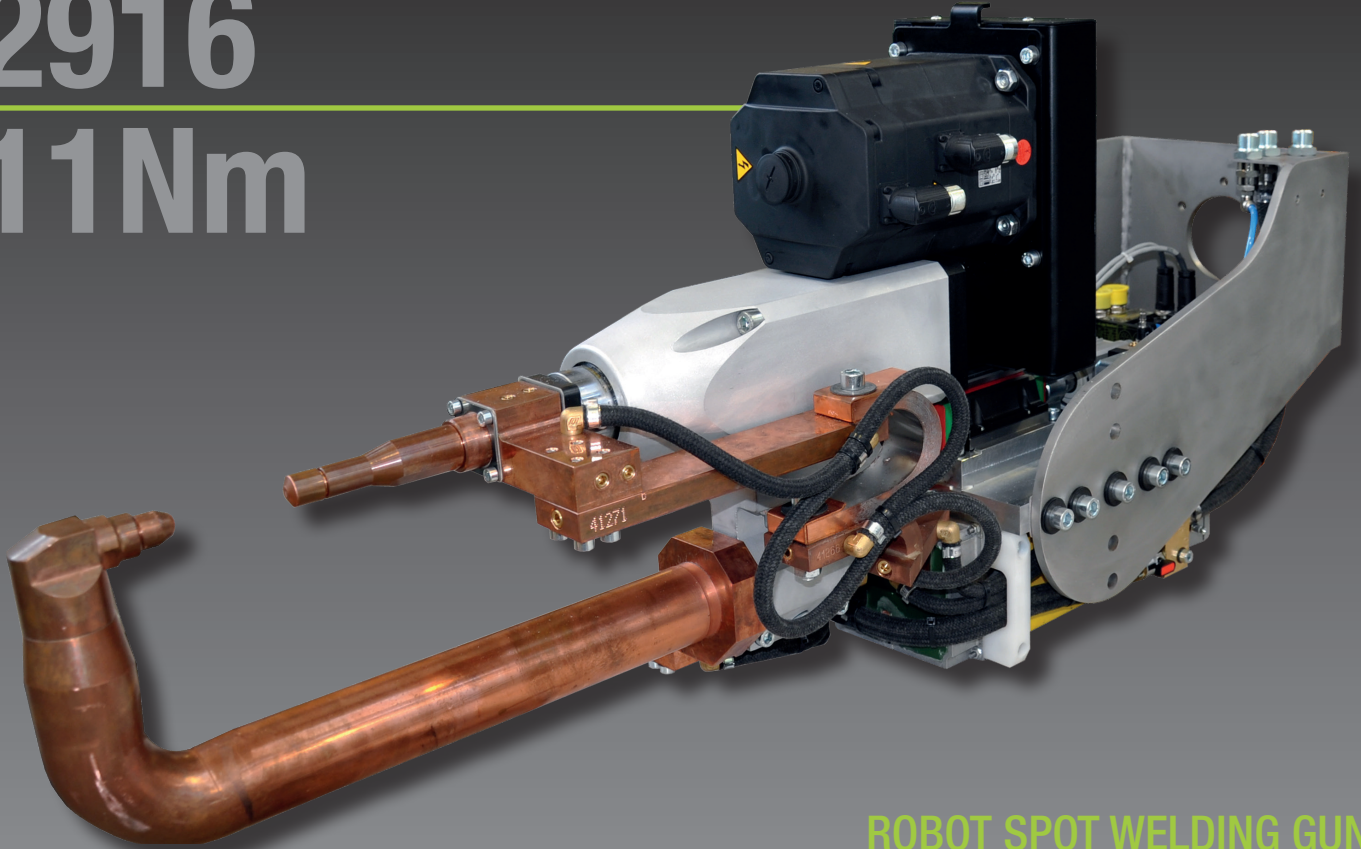
# 2911

## transformers technical data

	kVA	$I_1$ 100%	$V_{20}$ Volt				$I_2$ 100%
	50%	A	1	2	3	4	kA
<b>SINGLE-PHASE</b>	32	56	5,6	-	-	-	4
	36	63	6,4	-	-	-	4
	54	95	7,1	-	-	-	5,4
	60	106	8	-	-	-	5,4
	75	132	10	-	-	-	5,4
<b>MEDIUM FREQUENCY</b>	56	39	8,4	-	-	-	4,4
	90	63,6	9,9	-	-	-	6,1

# 2916

# 11Nm



ROBOT SPOT WELDING GUN

# C-type

SERVO-MOTOR ACTUATOR TECNA

general data		
	<b>Actuator sizes</b>	<b>11 Nm</b>
<b>Welding force, daN</b>	<b>Arm code</b>	
	11573	880 daN

servo-motor	
<b>servo motor force</b>	<b>11 Nm</b>
<b>Gun mass</b>	<b>52 kg</b>

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

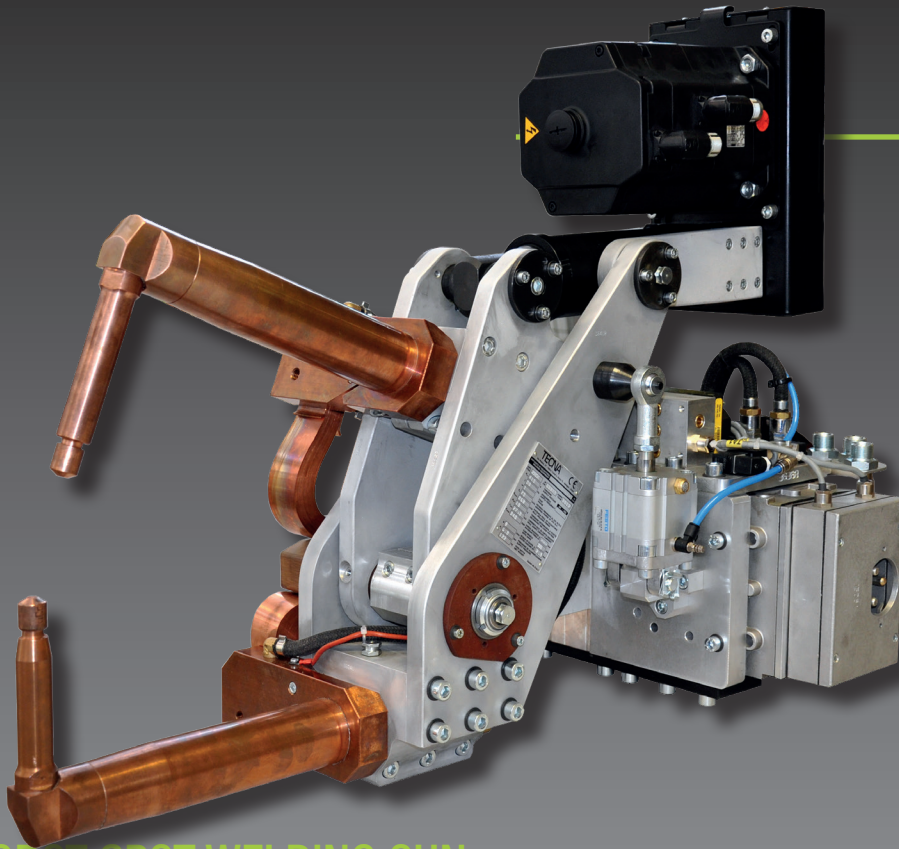
transformer				
Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

# 2923

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# 6Nm



ROBOT SPOT WELDING GUN

# X-type

SERVO-MOTOR ACTUATOR TECNA

### general data

		Actuator sizes		6 Nm		6 Nm	
		Arm code (length)		Arm code (length)		Arm code (length)	
Welding force, daN	4921 (300 mm)	509 daN	4925 (500 mm)	339 daN			
	4922 (350 mm)	453 daN	4926 (600 mm)	290 daN			
	4923 (400 mm)	407 daN	4927 (700 mm)	254 daN			
	4924 (450 mm)	371 daN					

### servo-motor

servo motor force		6 Nm	
Gun mass		44 kg	

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

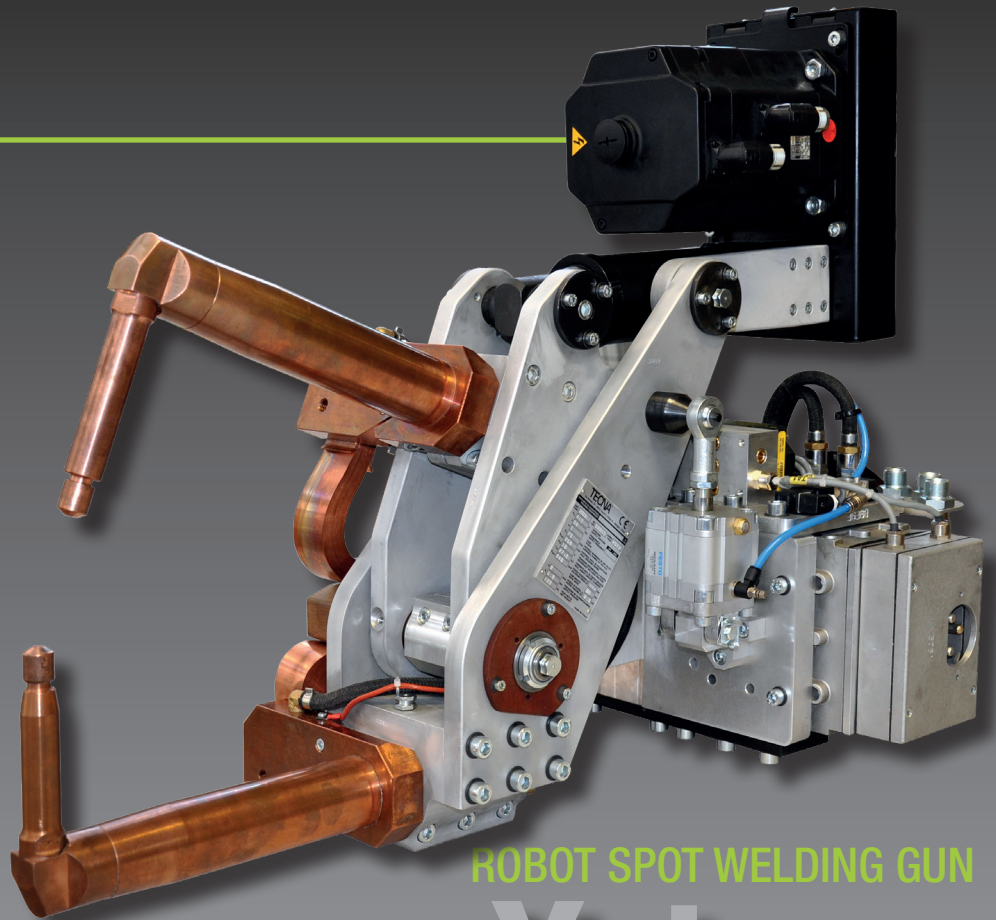
### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

# 2904

# 6Nm



ROBOT SPOT WELDING GUN

# X-type

SERVO-MOTOR ACTUATOR TECNA

### general data

		Actuator sizes	6 Nm		6 Nm
Welding force, daN	Arm code (length)			Arm code (length)	
	4901 (300 mm)		509 daN	4905 (500 mm)	339 daN
	4902 (350 mm)		453 daN	4906 (600 mm)	290 daN
	4903 (400 mm)		407 daN	4907 (700 mm)	254 daN
	4904 (450 mm)		371 daN		

### servo-motor

servo motor force	6 Nm
Gun mass	58 kg

The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

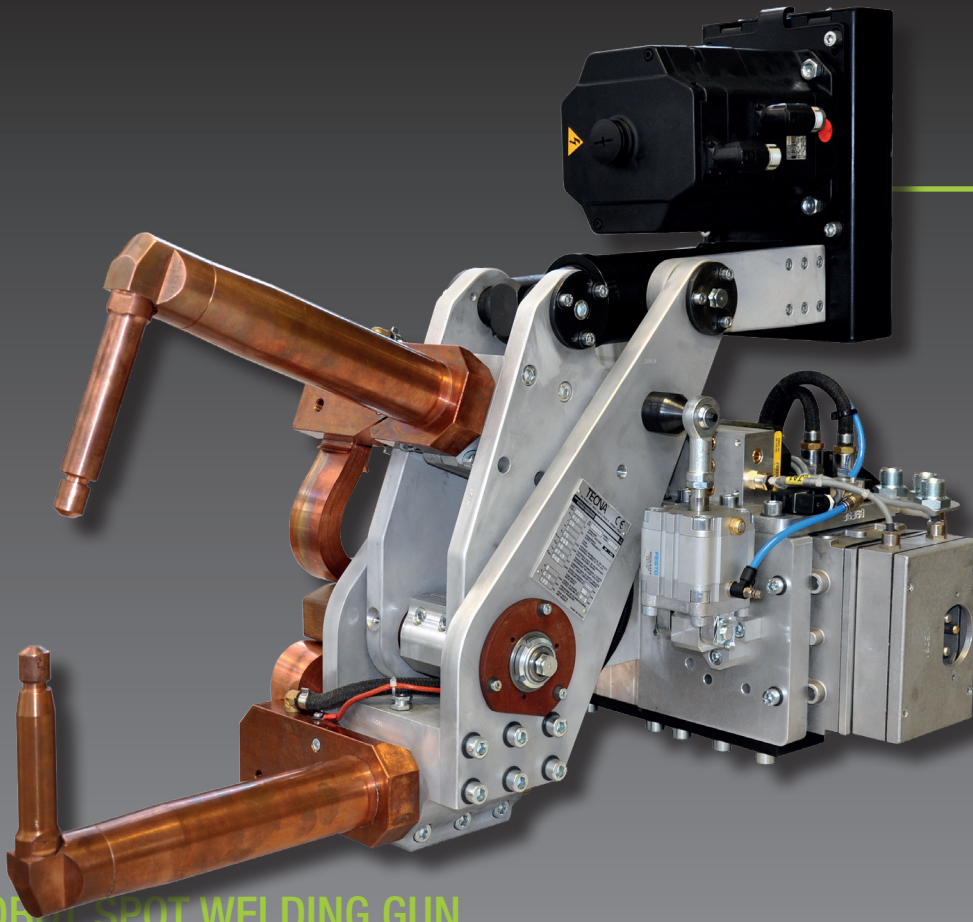
For the technical features of the transformers, please, refer to page of transformers technical data.



# 2903

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# 11 Nm



ROBOT SPOT WELDING GUN

# X-type

SERVO-MOTOR ACTUATOR TECNA

### general data

		Actuator sizes	11 Nm		11 Nm
Welding force, daN	Arm code (length)			Arm code (length)	
	4901 (300 mm)		939 daN	4905 (500 mm)	625 daN
	4902 (350 mm)		834 daN	4906 (600 mm)	535 daN
	4903 (400 mm)		750 daN	4907 (700 mm)	468 daN
	4904 (450 mm)		682 daN		

### servo-motor

servo motor force	11 Nm
Gun mass	56 kg

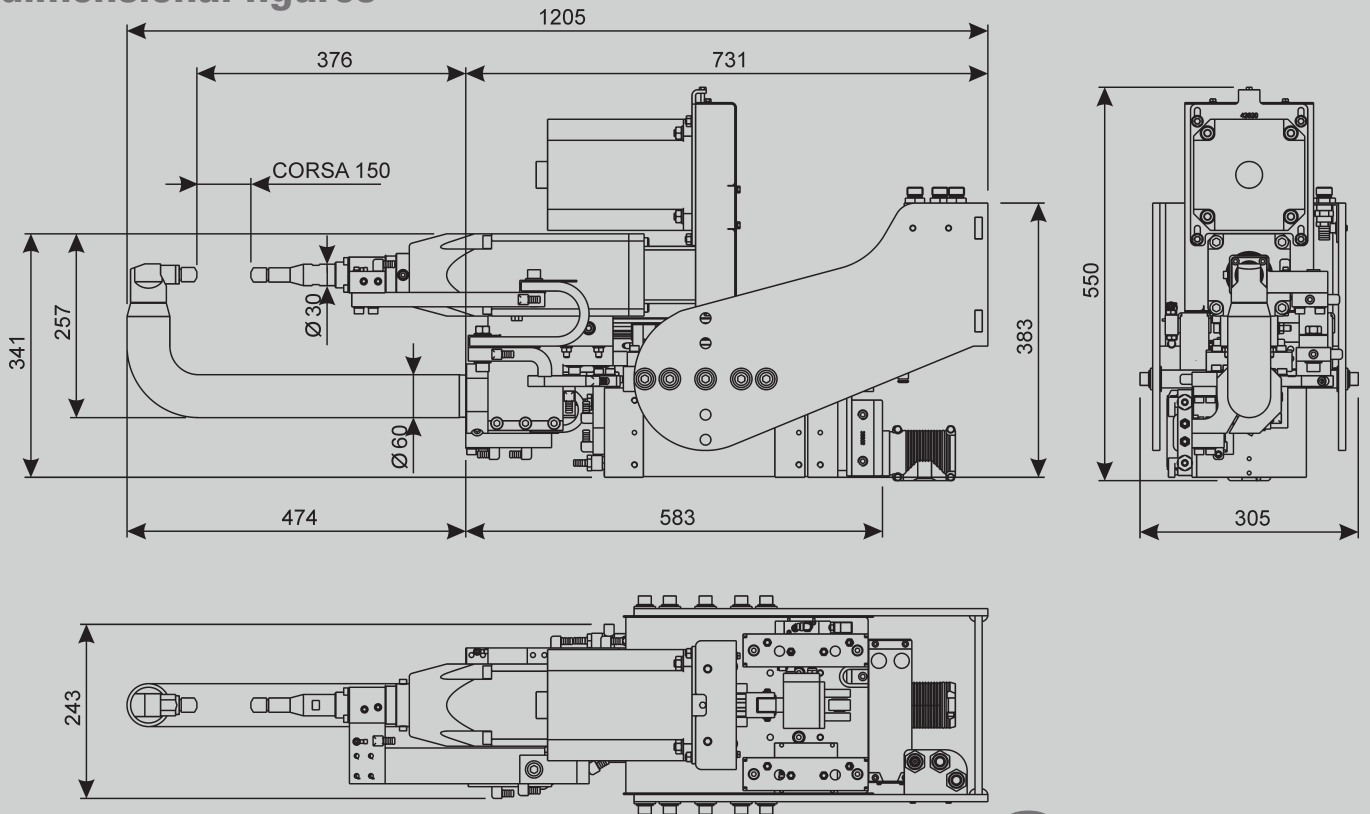
The weight of the guns is meant without arms, without arm fitting and without (\*) power transformer.

### transformer

Type	single-phase		medium frequency	
	power	*weight	power	*weight
	32 kVA	21 kg	56 kVA	16 kg
	36 kVA	23 kg	90 kVA	29 kg
	54 kVA	32 kg		
	60 kVA	35 kg		
	75 kVA	41 kg		

For the technical features of the transformers, please, refer to page of transformers technical data.

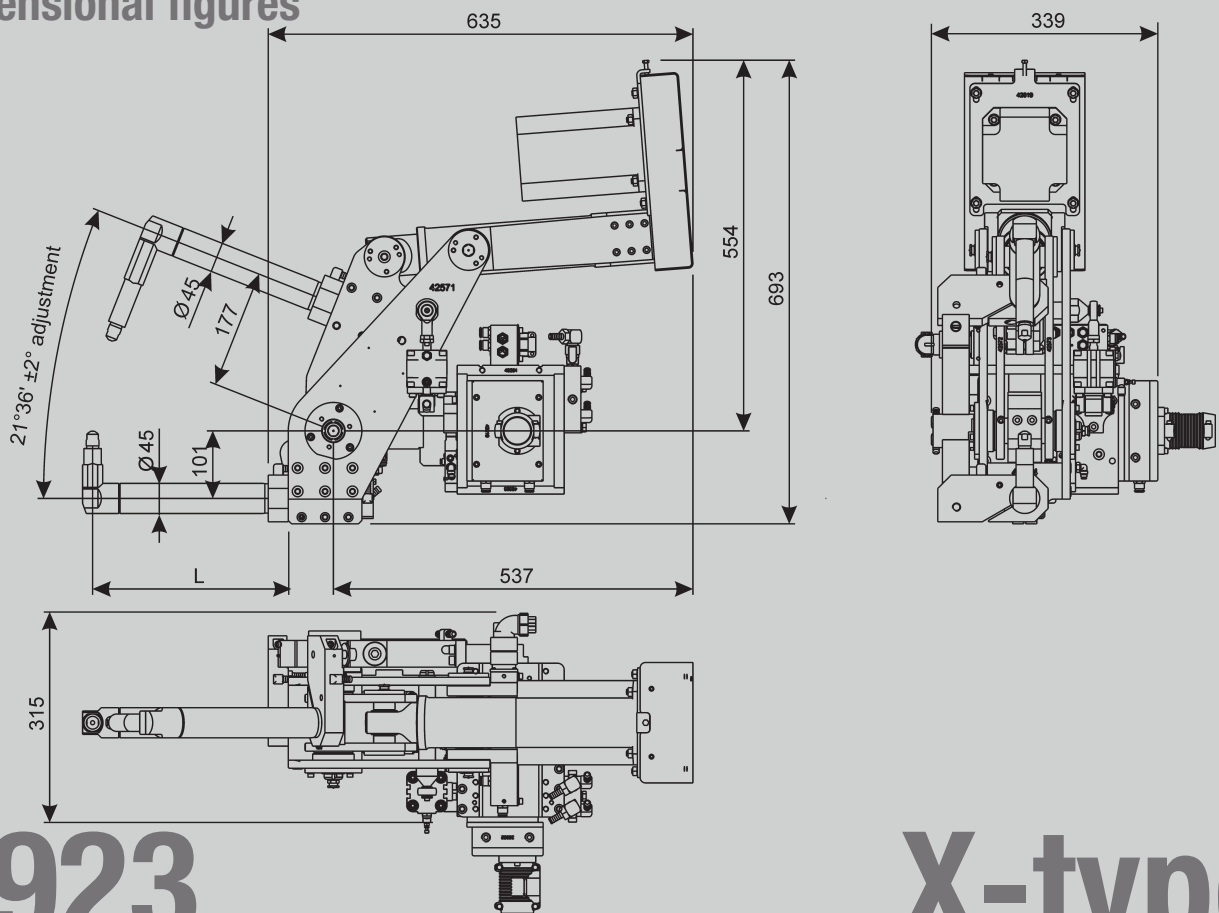
## dimensional figures



# 2916

# C-type

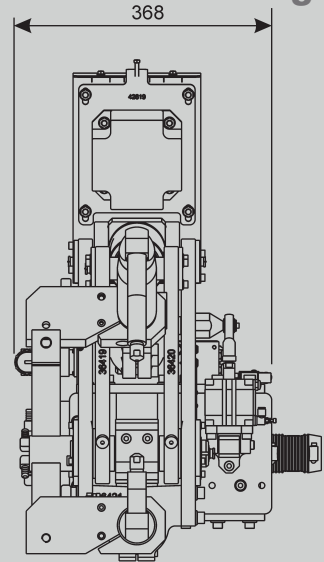
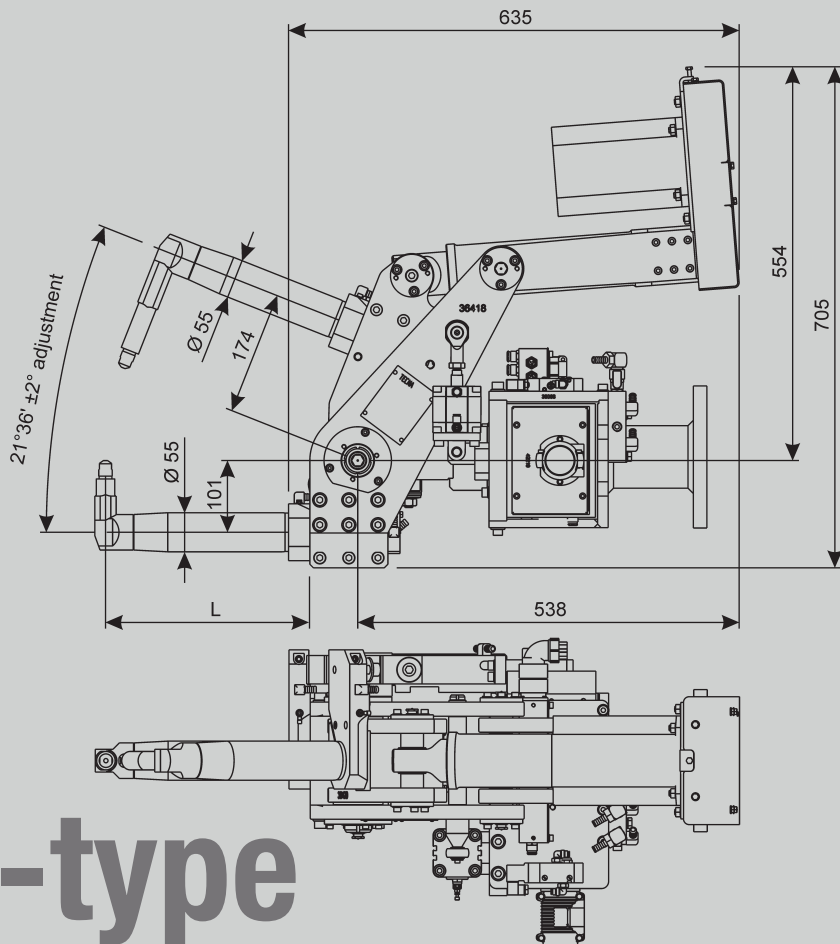
## dimensional figures



# 2923

# X-type

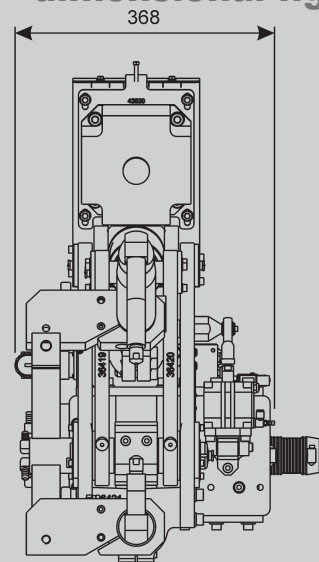
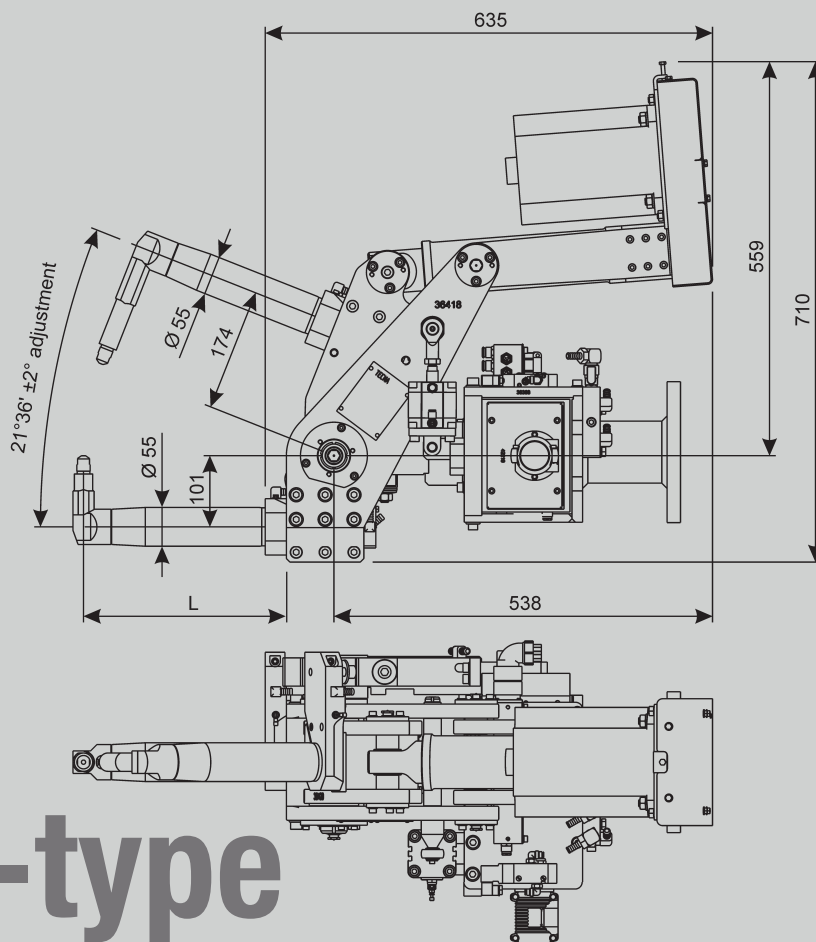
dimensional figures



X-type

2904

dimensional figures



X-type

2903

**TECNA**<sup>®</sup>  
Resistance Welding Systems & Balancers

Via Meucci, 27  
40024 - Castel S. Pietro Terme (BO)  
Italy  
Tel. +39 051 695 4411  
Fax +39 051 695 4490  
[www.tecna.net](http://www.tecna.net)  
[vendite@tecna.net](mailto:vendite@tecna.net)  
[sales@tecna.net](mailto:sales@tecna.net)

