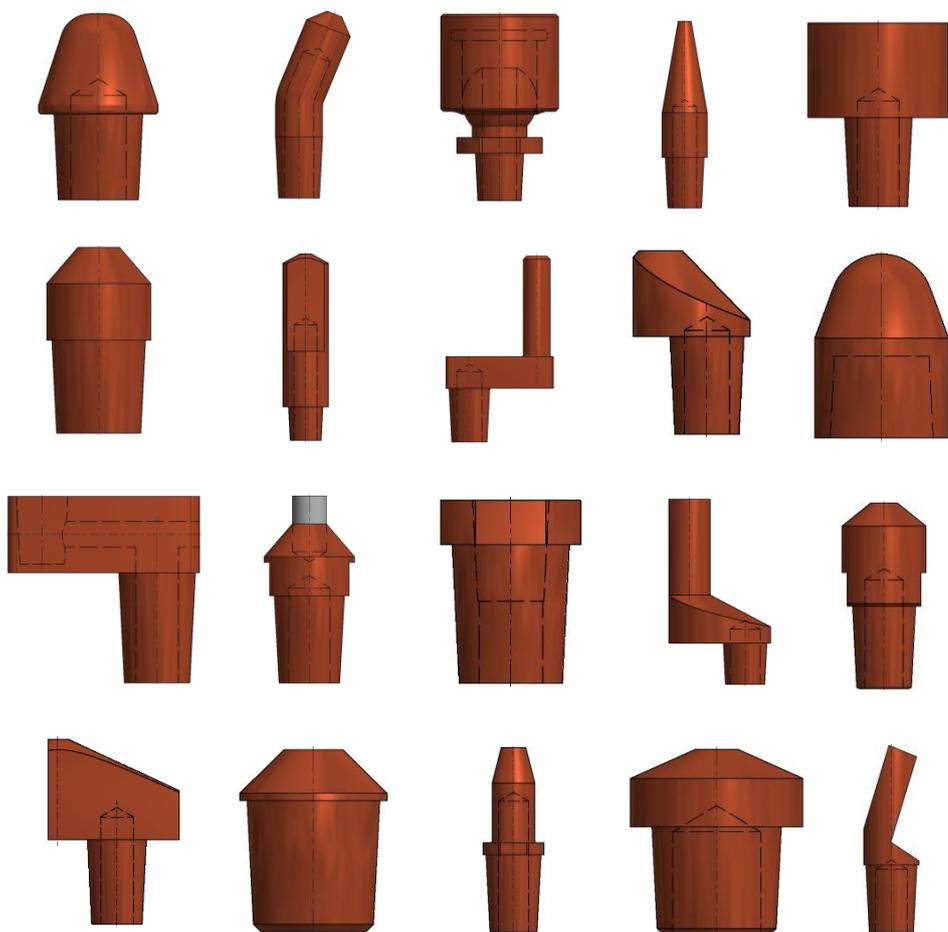


ELECTRODES CATALOGUE



Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023-A



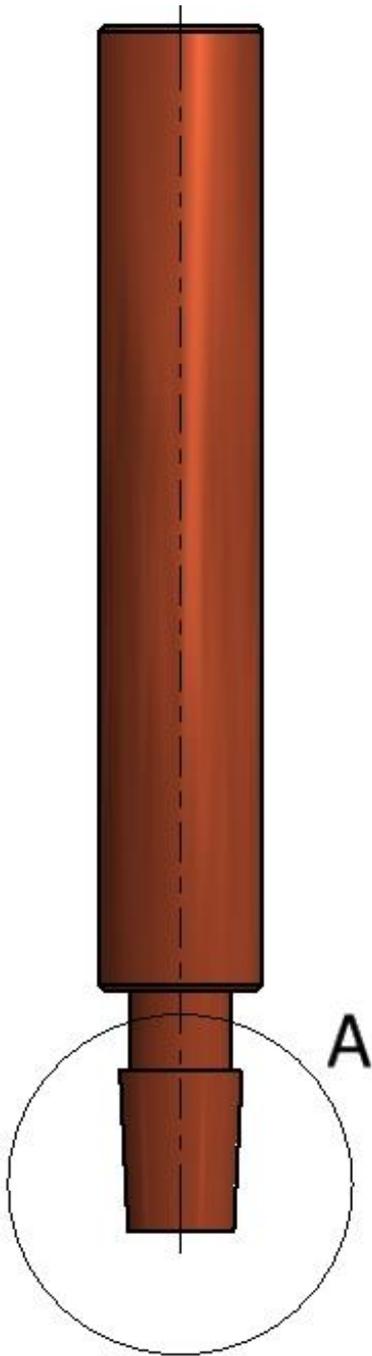
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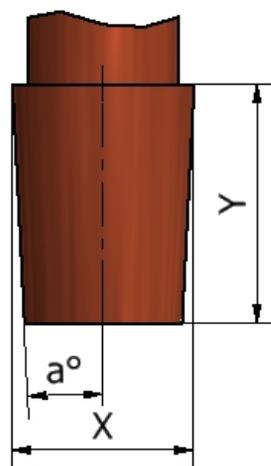
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Taper Dimensions



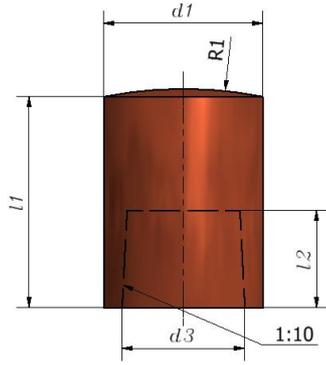
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9	2°52'	9	12
10	2°52'	10	10
12	2°52'	12	16
	2°52'	15,75	25
16	2°52'	16	25
18	2°52'	18	22
24	2°52'	24	
MK1	1°25'43"	12,065	21
MK2	1°25'50"	17,78	26
MK3	1°26'16"	23,825	35
36	2°30'	14,8	18
37	2°30'	12,7	18
38	2°30'	10,7	12
87	2°30'	19	32

DETAIL: A

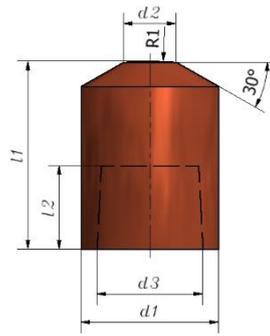


A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A

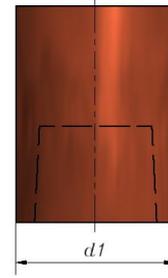
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



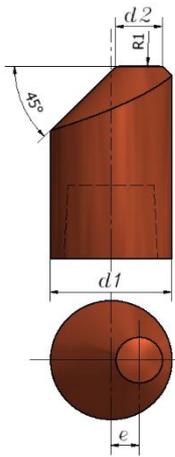
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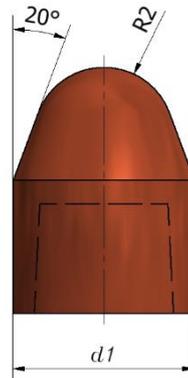
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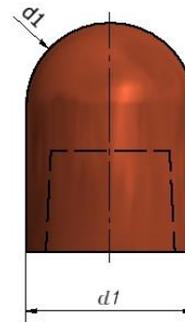
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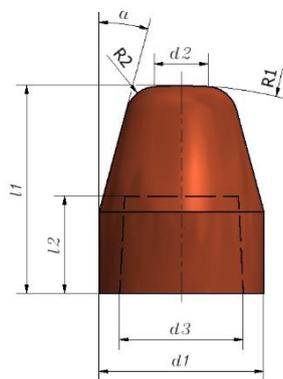
TYPE D



TYPE E



TYPE F

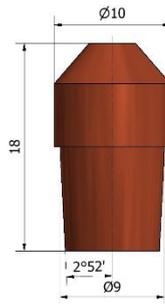


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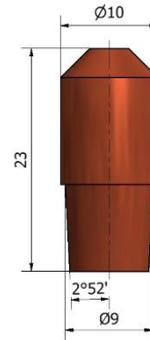
$d1$	$d2$	$d3$	$l1$	$l2$	0	e	$R1$	$R2$	α
$h11$					$+0.5$				
13	5	10	18	8		3	32	5	-
16	6	12	20	9,5		4	40	6	15°
20	8	15	22	11,5		5	50	8	22,5°



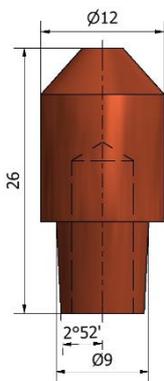
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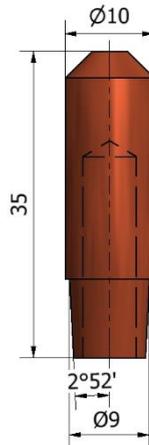
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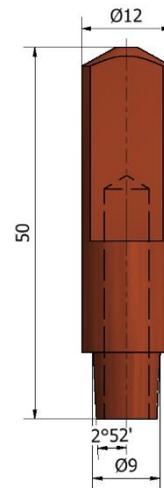
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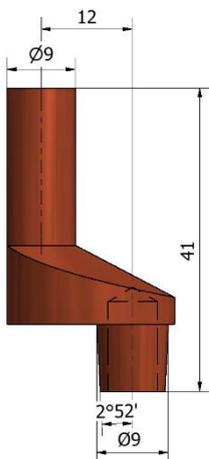
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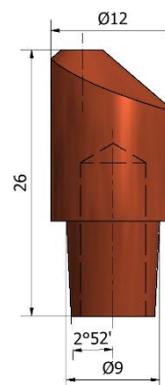
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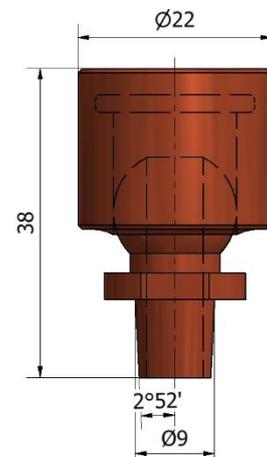
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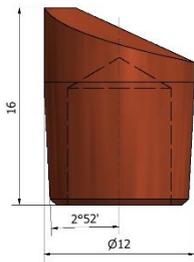
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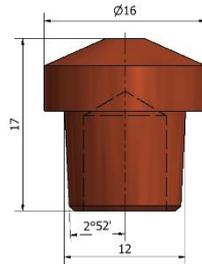
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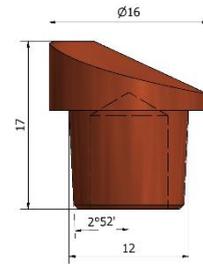
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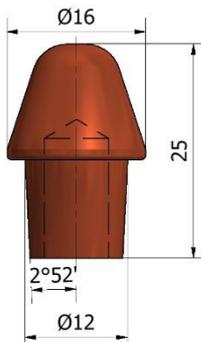
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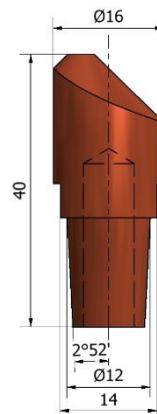
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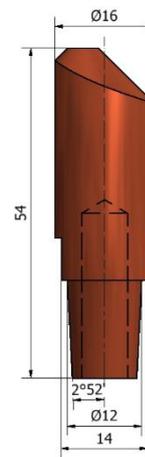
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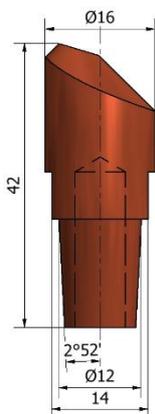
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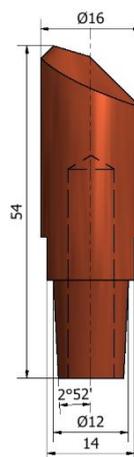
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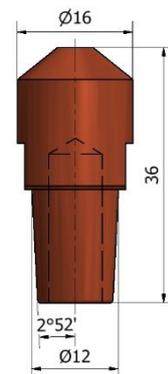
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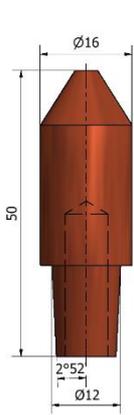
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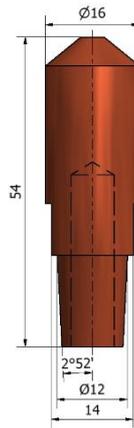
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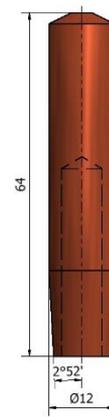
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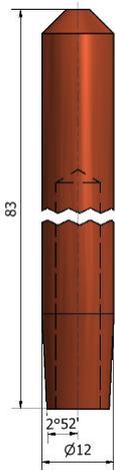
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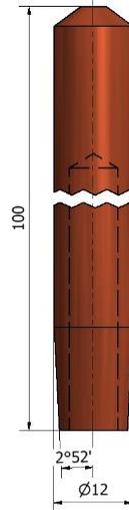
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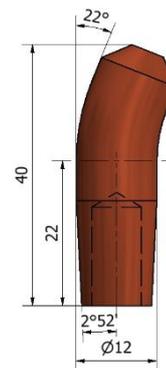
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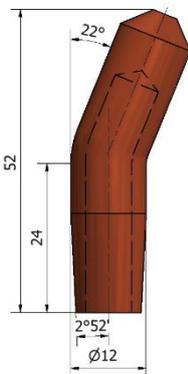
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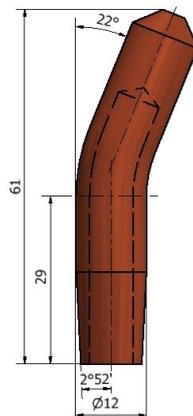
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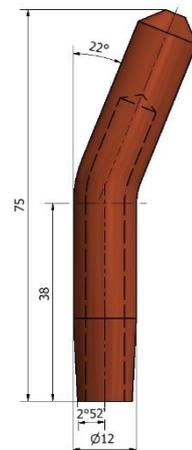
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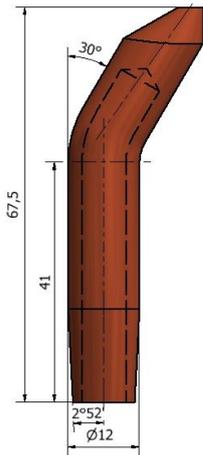
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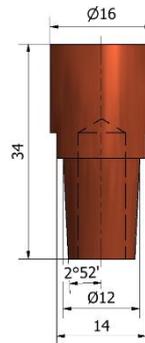
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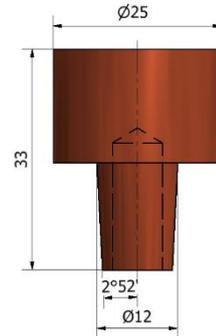
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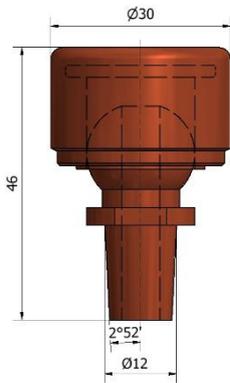
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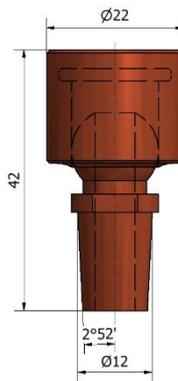
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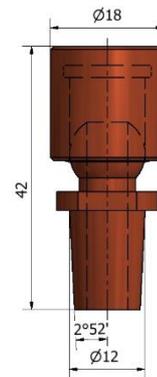
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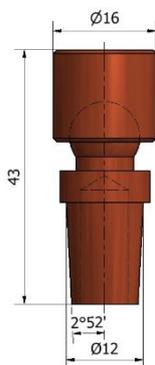
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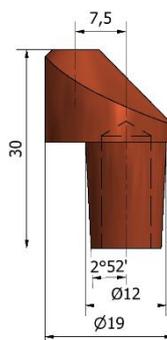
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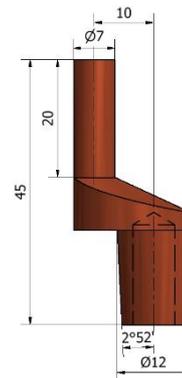
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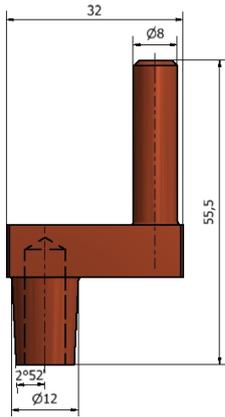


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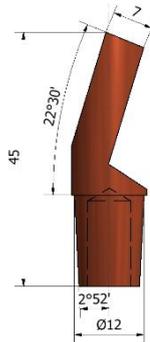


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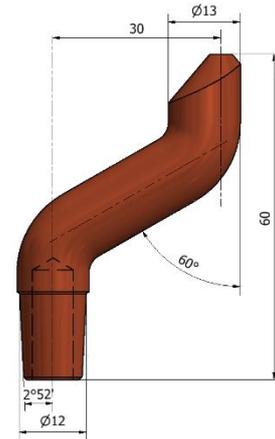
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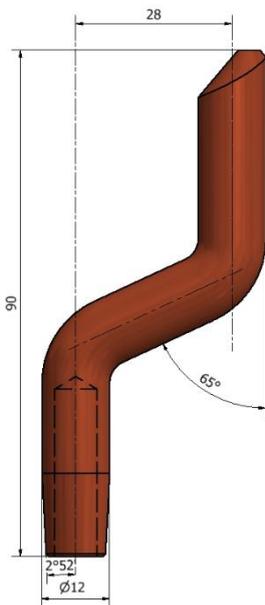
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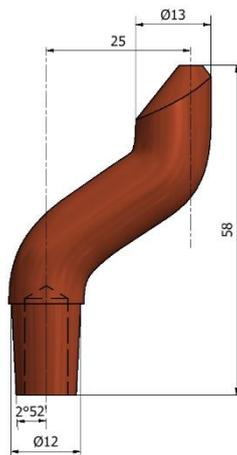
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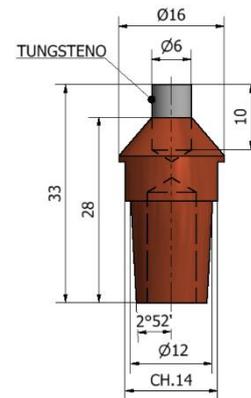
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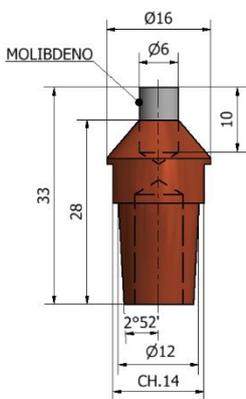
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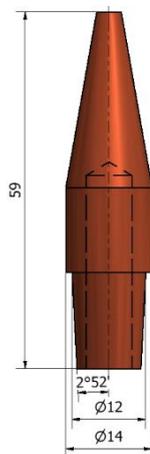
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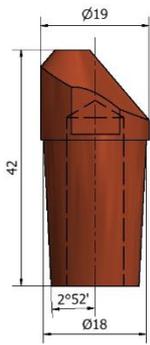


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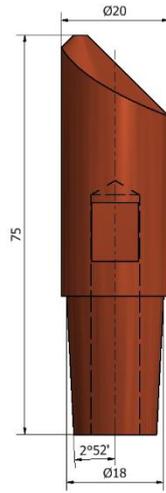


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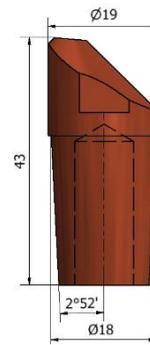
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



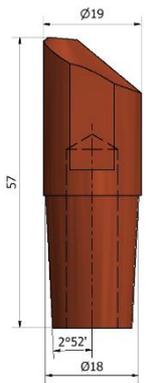
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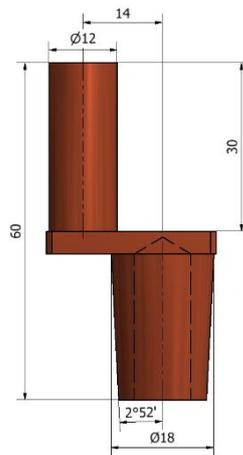
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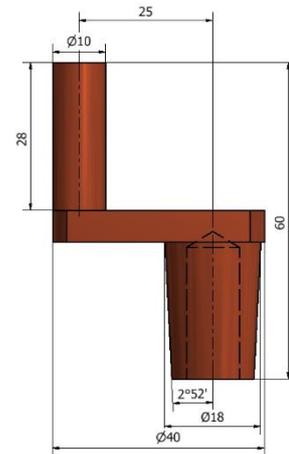
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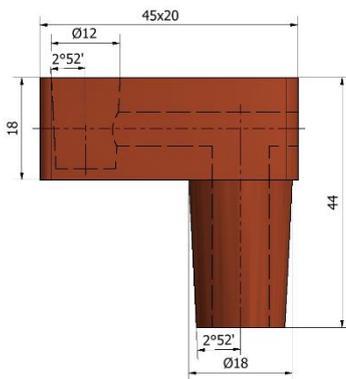
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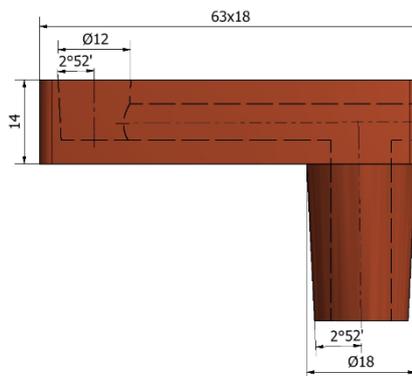
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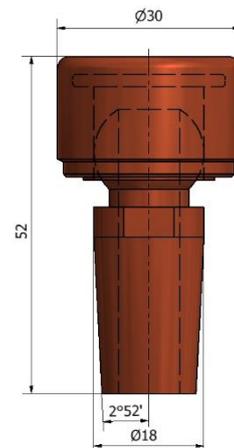
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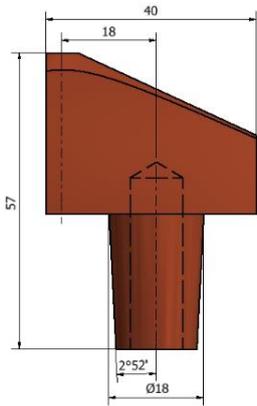
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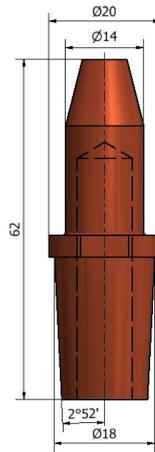
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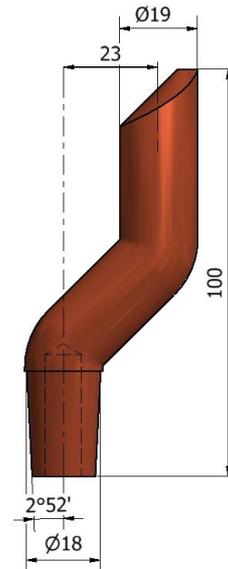
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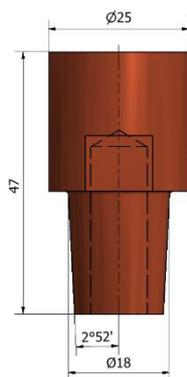
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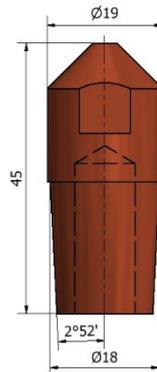
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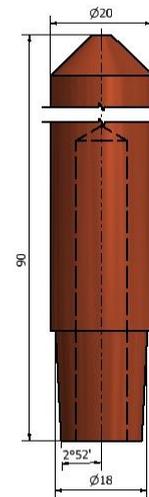
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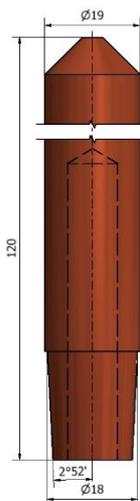
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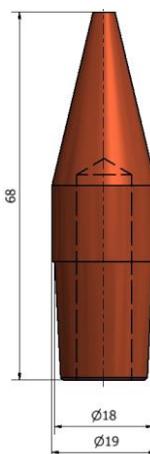
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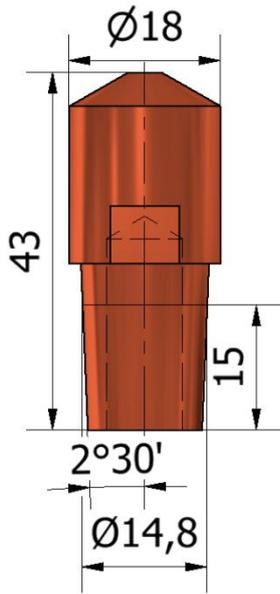
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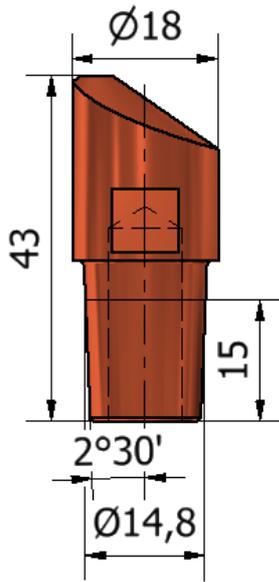
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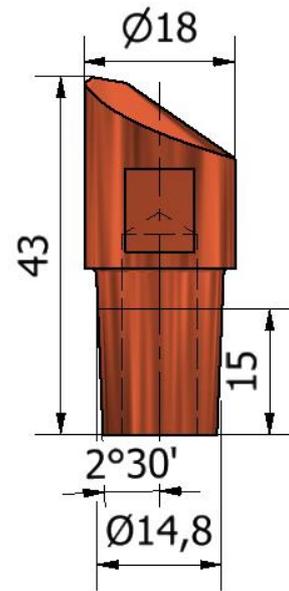
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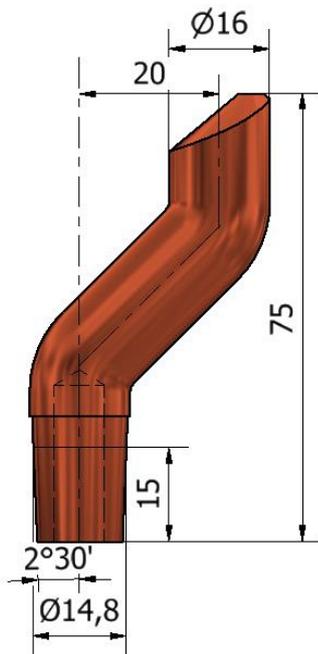
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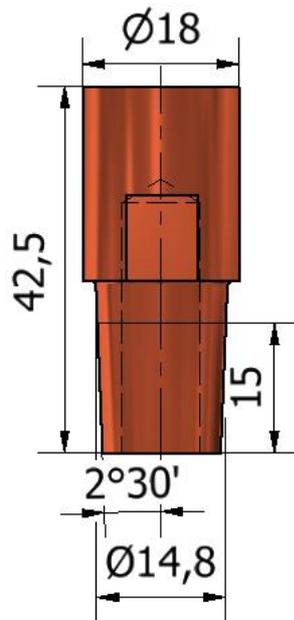
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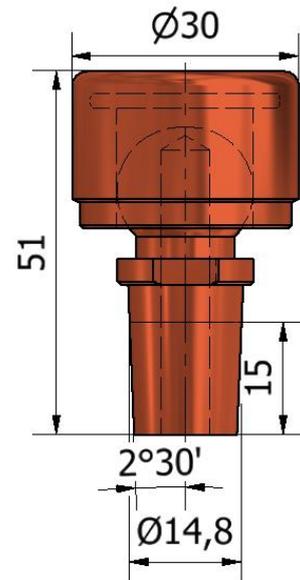
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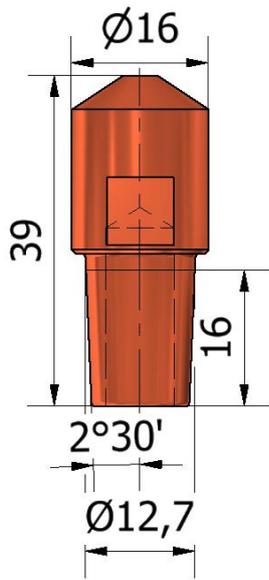
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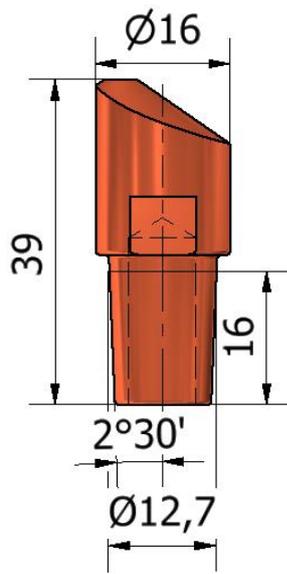
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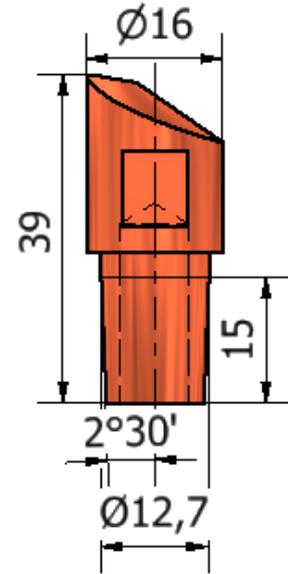
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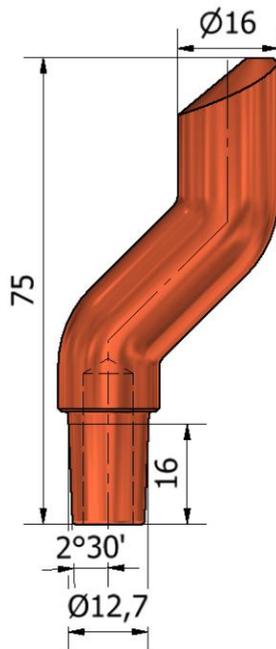
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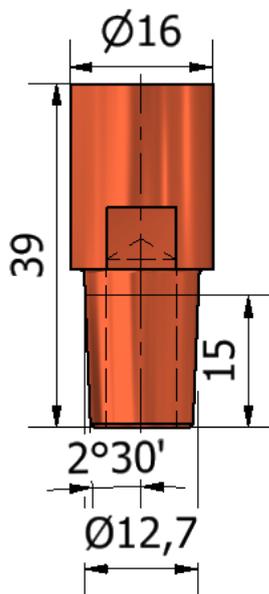
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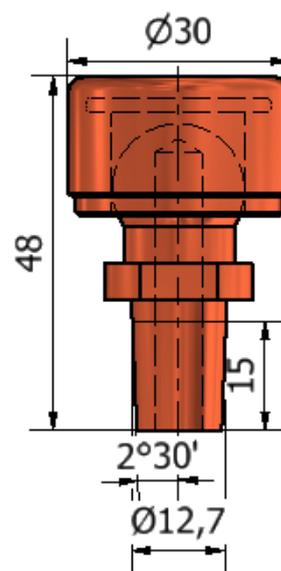
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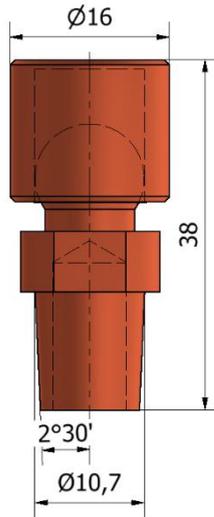


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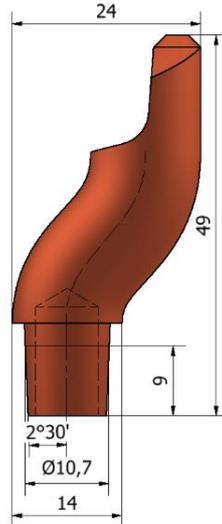


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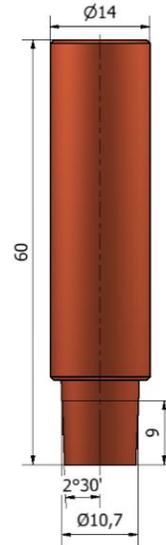
Electrodes Cone 38



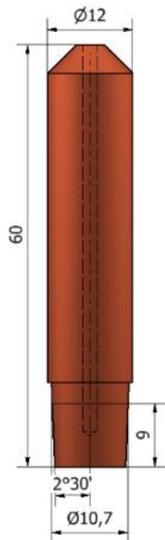
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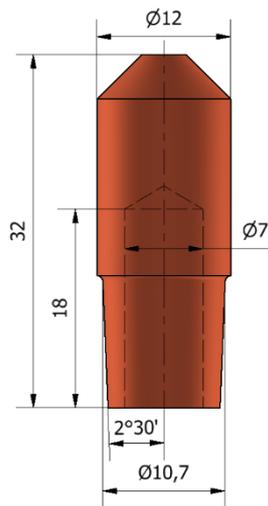
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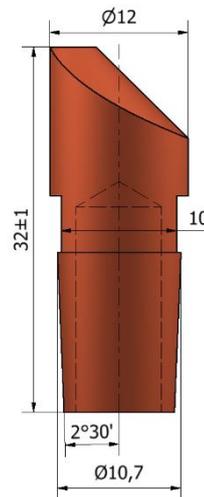
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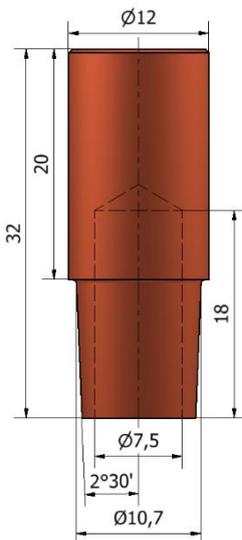
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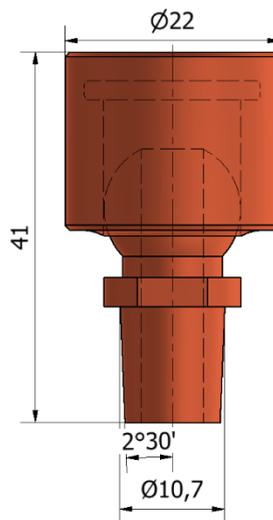
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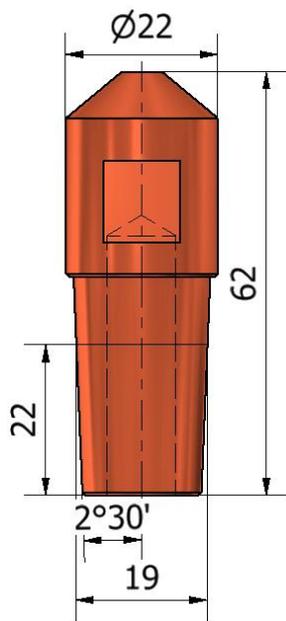
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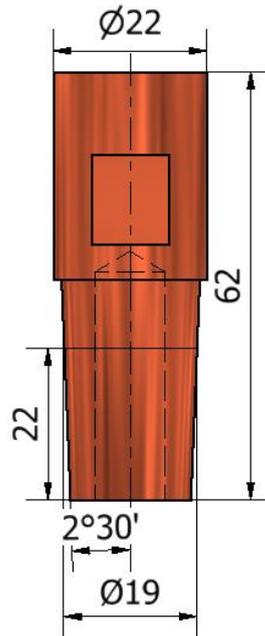
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A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A

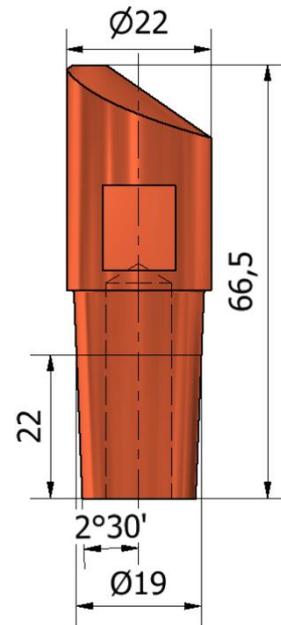
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



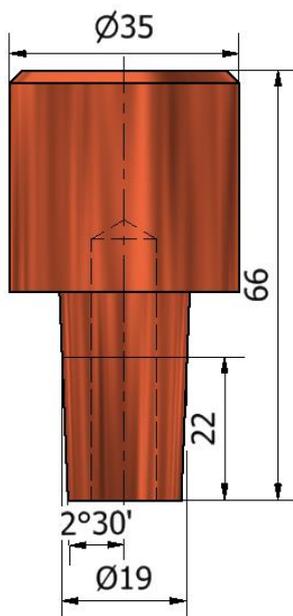
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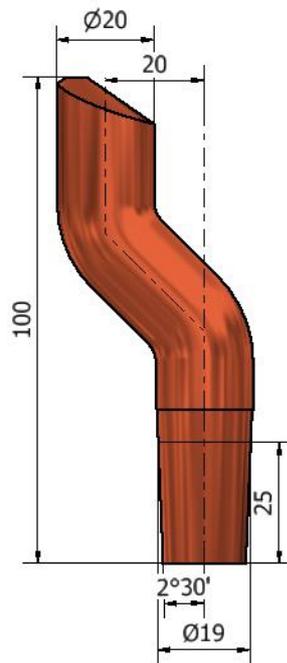
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ATSE8703

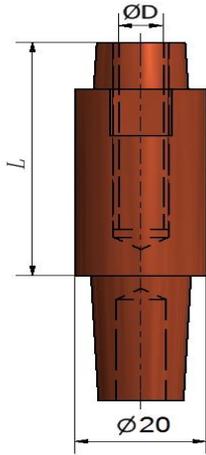


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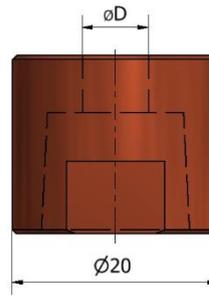


ATSE8706

Stud Welding Electrodes D.20 Cone Ø12

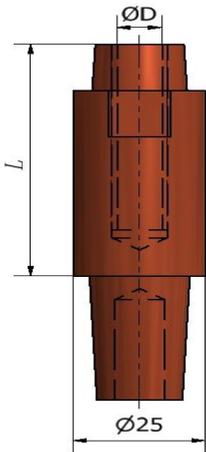


CODE	D
ATSPCAP412	M4
ATSPCAP512	M5
ATSPCAP612	M6
ATSPCAP812	M8
ATSPCAP1012	M10
ATSPCAP1212	M12

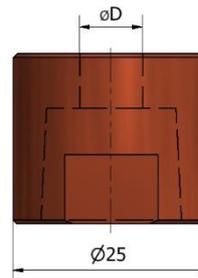


CODE	D
ATSCAPF420	M4
ATSCAPF520	M5
ATCAPF620	M6
ATSCAPF820	M8
ATSCAPF1020	M10
ATSCAPF1220	M12

Stud Welding Electrodes D.25 Cone Ø18

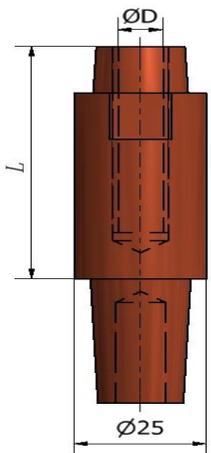


CODE	D
ATSPCAP418	M4
ATSPCAP518	M5
ATSPCAP618	M6
ATSPCAP818	M8
ATSPCAP1018	M10
ATSPCAP1012	M12

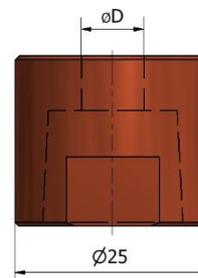


CODE	D
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ATSCAPF525	M5
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ATSCAPF825	M8
ATSCAPF1025	M10
ATSCAPF1225	M12

Stud Welding Electrodes D.25 Cone Ø36



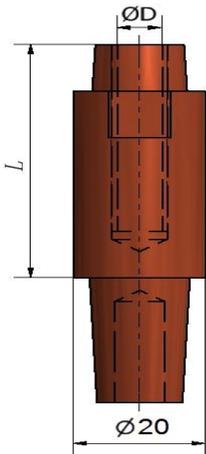
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ATSPCAP636	M6
ATSPCAP836	M8
ATSPCAP1036	M10
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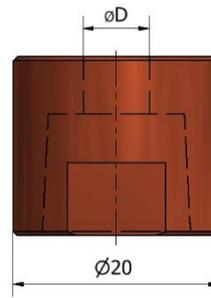
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ATSCAPF625	M6
ATSCAPF825	M8
ATSCAPF1025	M10
ATSCAPF1225	M12

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Stud Welding Electrodes D.20 Cone Ø37

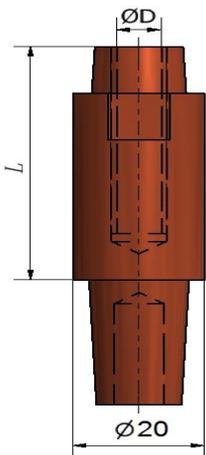


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ATSPCAP637	M6
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ATSPCAP1037	M10
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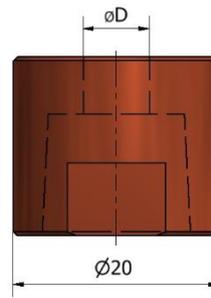


CODE	D
ATSCAPF420	M4
ATSCAPF520	M5
ATSCAPF620	M6
ATSCAPF820	M8
ATSCAPF1020	M10
ATSCAPF1220	M12

Stud Welding Electrodes D.20 Cone Ø38

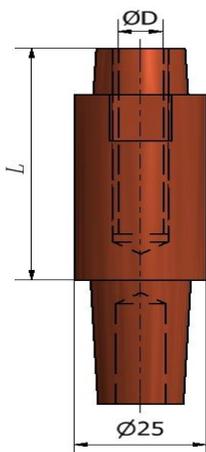


CODE	D
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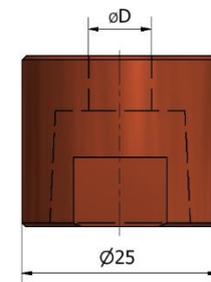


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ATSCAPF1220	M12

Stud Welding Electrodes D.25 Cone Ø87



CODE	D
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ATSPCAP687	M6
ATSPCAP887	M8
ATSPCAP1087	M10
ATSPCAP1287	M12



CODE	D
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ATSCAPF1225	M12

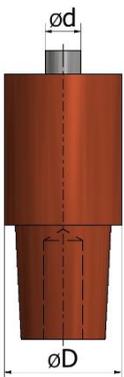
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Nut Welding Electrodes Cone Ø12



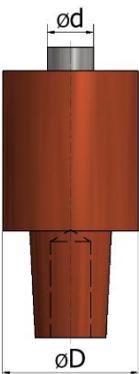
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ATSEPI612	20	M6
ATSEPI812	20	M8
ATSEPI1012	22	M10
ATSEPI1212	22	M12

Nut Welding Electrodes Cone Ø18



CODE	D	d
ATSEPI418	20	M4
ATSEPI518	20	M5
ATSEPI618	20	M6
ATSEPI818	20	M8
ATSEPI1018	22	M10
ATSEPI1218	22	M12

Nut Welding Electrodes Cone Ø36



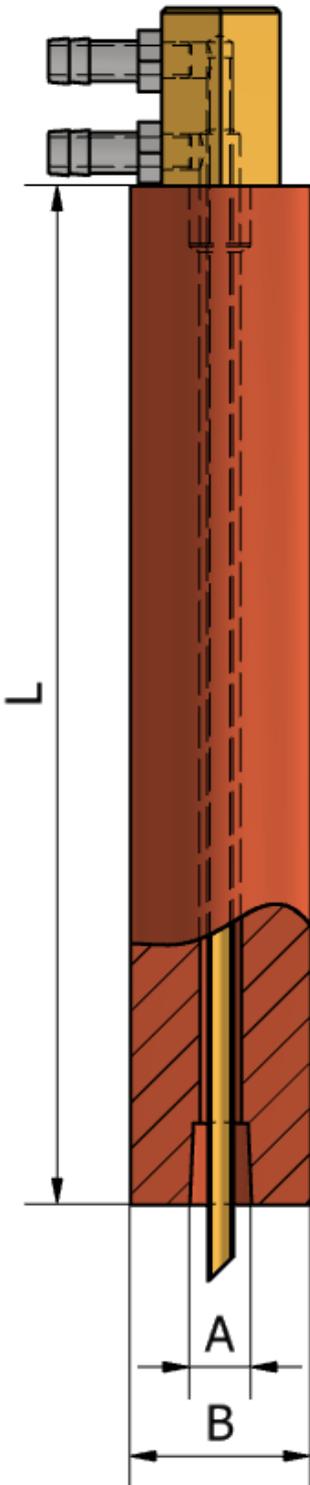
CODE	D	d
ATSEPI436	20	M4
ATSEPI536	20	M5
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ATSEPI836	20	M8
ATSEPI1036	22	M10
ATSEPI1236	22	M12

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Electrode Shaft/holder Ø 16 - 18 - 19



A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A



Ø B	L	Ø A	CODE	
16	90	12	ATSCAN169012	
	100		ATSCAN1610012	
	120		ATSCAN1612012	
	130		ATSCAN1613012	
	150		ATSCAN1615012	
	160		ATSCAN1616012	
18	200	12	ATSCAN1820012	
		37	ATSCAN1820037	
	220	12	ATSCAN1822012	
	230	38	ATSCAN1823038	
19	250	12	ATSCAN1825012	
	50	12	ATSCAN195012	
	60	9	ATSCAN196012	
			ATSCAN19609	
	80	12	ATSCAN198012	
	90		ATSCAN199012	
	120		ATSCAN1912012	
	140		ATSCAN1914012	
	150		ATSCAN1915012	
	160		37	ATSCAN1915037
	160	12	ATSCAN1916012	
	170	36	ATSCAN1917036	
	180	12	ATSCAN1918012	
		37	ATSCAN1918037	
	200		12	ATSCAN1920012
			37	ATSCAN1920037
			9	ATSCAN192009
			12	ATSCAN1922012
	220	37	ATSCAN1922037	
	240		12	ATSCAN1924012
		37	ATSCAN1924037	
250	12	ATSCAN1925012		
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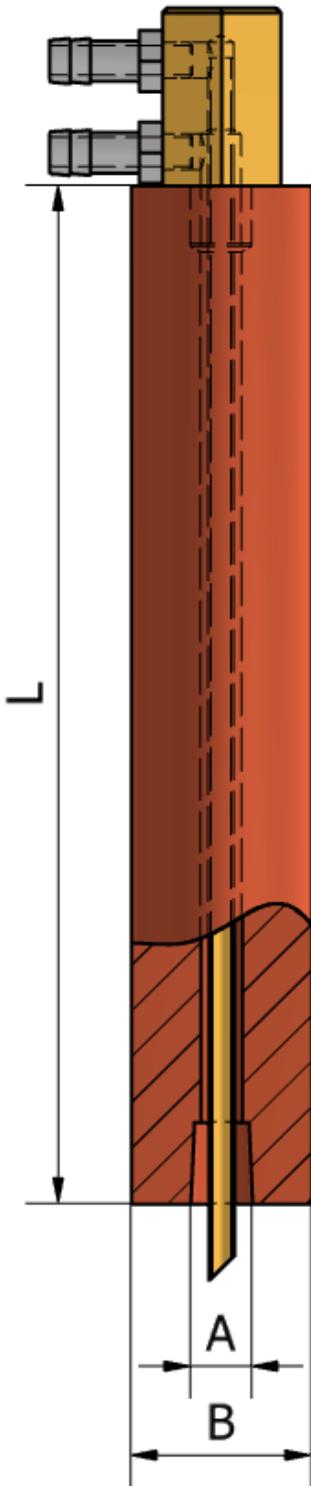
- All dimensions are expressed in mm
- Customer specifics electrode shaft/holder available

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Electrode Shaft/holder Ø 20 - 21



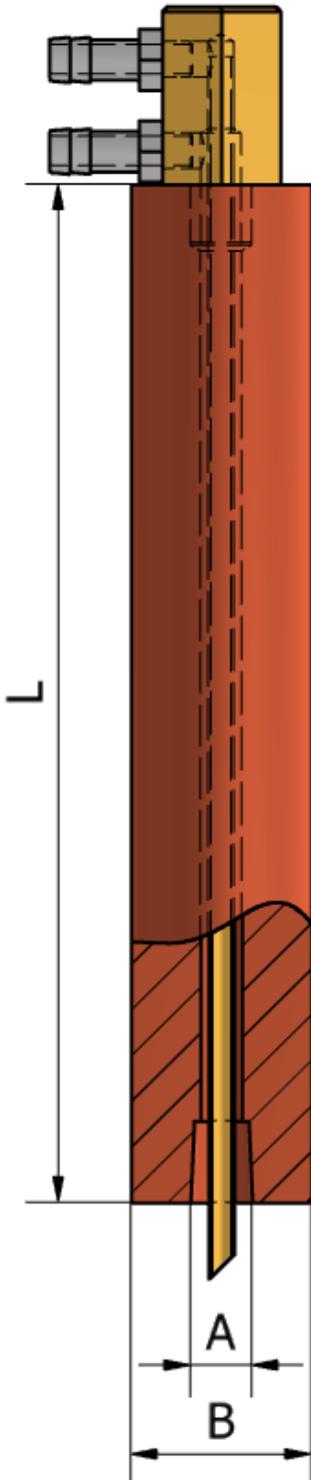
A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A



Ø B	L	Ø A	CODE
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		12	ATSCAN2015012
	160	37	ATSCAN2015037
		12	ATSCAN2016012
	200	12	ATSCAN2020012
		13	ATSCAN2020013
	220	18	ATSCAN2020018
		12	ATSCAN2022012
21	260	37	ATSCAN2026037
	300	12	ATSCAN2030012
	60	12	ATSCAN216012
	100		ATSCAN2110012
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	180	12	ATSCAN2118012
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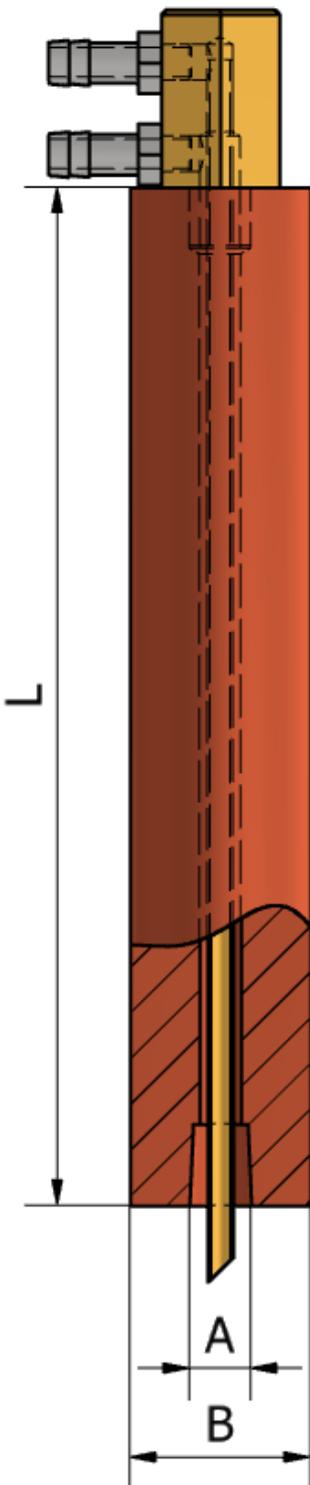
- All dimensions are expressed in mm
- Customer specifies electrode shaft/holder available

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



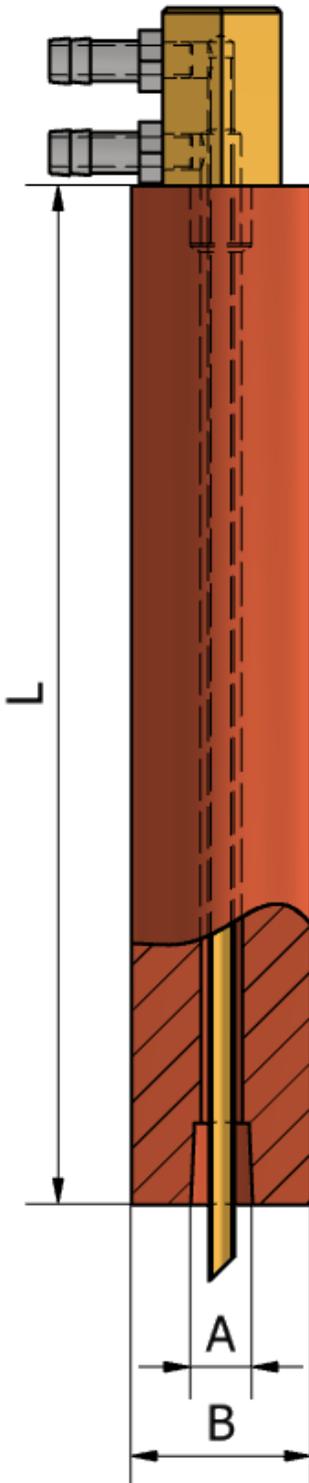
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	150	150	12	ATSCAN2215012
			16	ATSCAN2215016
			18	ATSCAN2215018
			36	ATSCAN2215036
			37	ATSCAN2215037
	170	37	ATSCAN2217037	
	180	180	12	ATSCAN2218012
			36	ATSCAN2218036
			37	ATSCAN2218037
	200	200	12	ATSCAN2220012
			36	ATSCAN2220036
			37	ATSCAN2220037
	220	220	18	ATSCAN2222018
			12	ATSCAN2222012
	240	240	36	ATSCAN2222036
			37	ATSCAN2224037
	250	250	12	ATSCAN2225012
			18	ATSCAN2225018
			37	ATSCAN2225037
	260	36	ATSCAN2226036	
	300	300	12	ATSCAN2230012
			36	ATSCAN2230036
			37	ATSCAN2230037
	320	36	ATSCAN2232036	
	350	350	10	ATSCAN2235010
			12	ATSCAN2235012
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400	400	12	ATSCAN2240012	
		36	ATSCAN2240036	

- All dimensions are expressed in mm
- Customer specifics electrode shaft/holder available



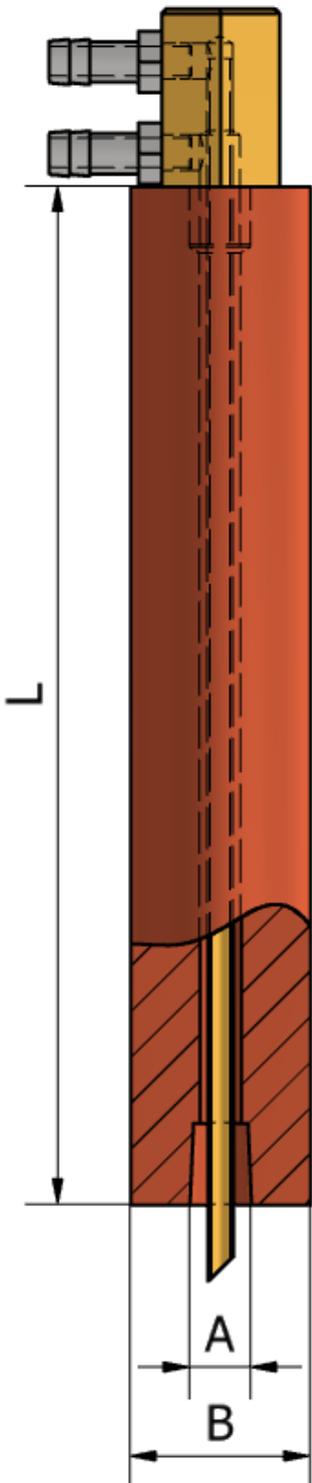
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		36	ATSCAN2510036
	120	12	ATSCAN2512012
	130	18	ATSCAN2513018
		36	ATSCAN2513036
	150	12	ATSCAN2515012
		16	ATSCAN2515016
		18	ATSCAN2515018
		36	ATSCAN2515036
		37	ATSCAN2515037
		87	ATSCAN2515087
	180	12	ATSCAN2518012
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		36	ATSCAN2520036
	210	36	ATSCAN2521036
	220	18	ATSCAN2522018
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		18	ATSCAN2530018
36		ATSCAN2530036	
340	36	ATSCAN2534036	
350	12	ATSCAN2535012	
400	12	ATSCAN2540012	
	16	ATSCAN2540016	
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- All dimensions are expressed in mm
- Customer specifics electrode shaft/holder available



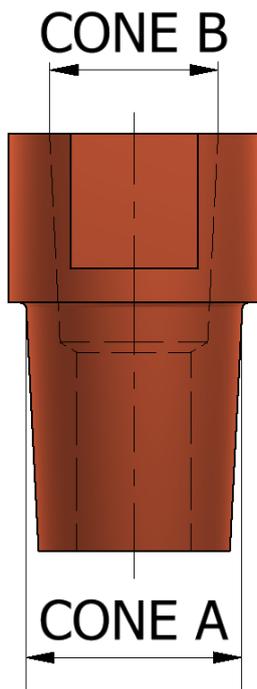
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	200	36	ATSCAN2817036
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	230	18	ATSCAN2823018
	250		ATSCAN2825018
30	70	12	ATSCAN307012
		87	ATSCAN307087
	100	18	ATSCAN3010018
			ATSCAN3015018
	150	36	ATSCAN3015036
		200	12
	18		ATSCAN3020018
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	230	38	ATSCAN3023038
	250	18	ATSCAN3025018
		36	ATSCAN3025036
		87	ATSCAN3025087
300	18	ATSCAN3030018	
	87	ATSCAN3030087	
500	18	ATSCAN3050018	

- All dimensions are expressed in mm
- Customer specific electrode shaft/holder available



Ø B	L	Ø A	CODE	
32	200	18	ATSCAN3220018	
		87	ATSCAN3220087	
	220	18	ATSCAN3222018	
		87	ATSCAN3222087	
	240	87	ATSCAN3224087	
	250	18	18	ATSCAN3225018
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	270	36	ATSCAN3227036	
	300	12	ATSCAN3230012	
		18	ATSCAN3230018	
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	150	18	ATSCAN3515018	
	180		ATSCAN3518018	
	200		ATSCAN3520018	
	250	87	ATSCAN3520087	
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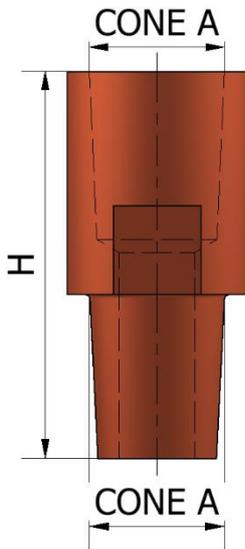
- All dimensions are expressed in mm
- Customer specific electrode shaft/holder available



CONE A	CONE B	CODE
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12	18	ATSRID1218
12	36	ATSRID1236
12	38	ATSRID1238
16	12	ATSRID1612
18	9	ATSRID189
18	12	ATSRID1812
18	36	ATSRID1836
36	12	ATSRID3612
36	18	ATSRID3618
37	12	ATSRID3712
38	12	ATSRID3812
87	12	ATSRID8712
87	18	ATSRID8718
87	37	ATSRID8737

- All dimensions are expressed in mm
- Customer specific electrode reducing available

Electrode Extension

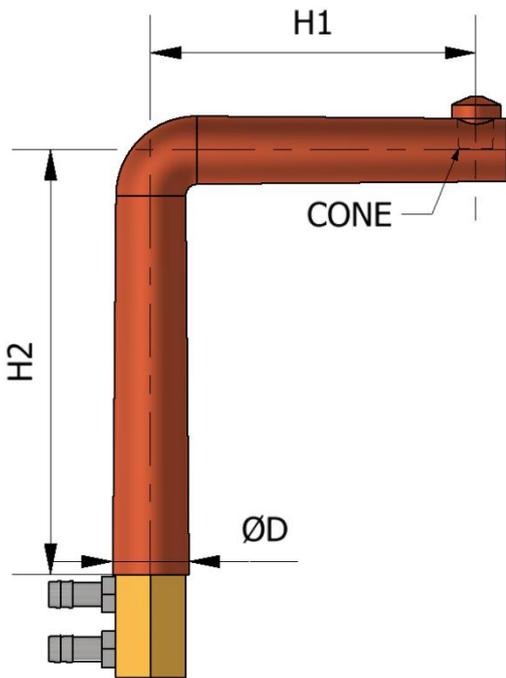


CONE A	CONE A	H	CODE
12	12	40	ATSPRO1212D16L40
12	12	60	ATSPRO1212D16L60
12	12	70	ATSPRO1212D16L70
37	37	50	ATSPRO3737D16L50
38	38	40	ATSPRO3838D16L40
87	87	100	ATSPRO8787D25L100

- All dimensions are expressed in mm
- Customer specifics electrode extension available

A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A

Electrode Holder

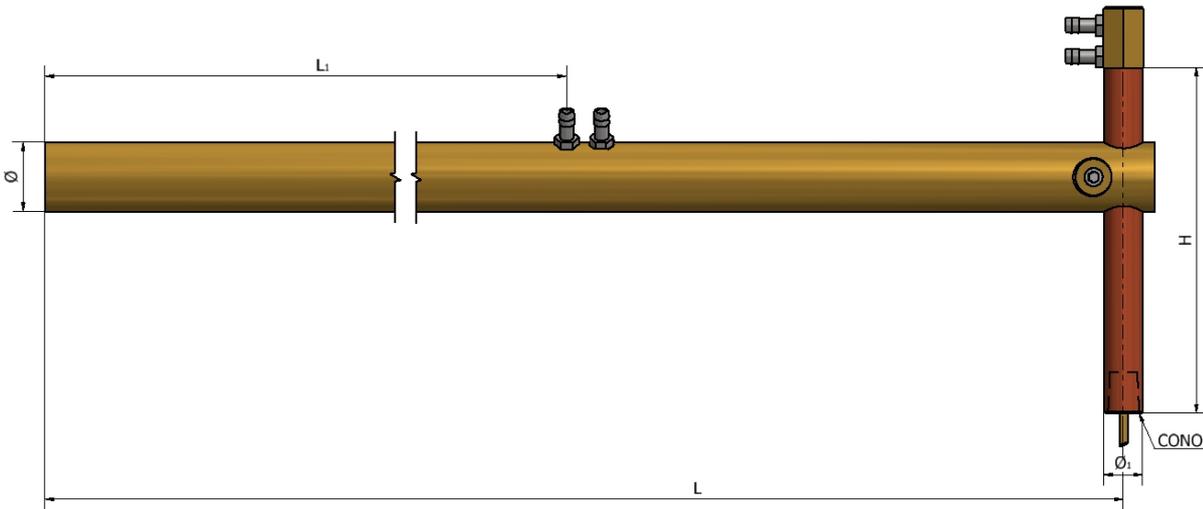


H1	H2	CONE	ØD	CODE
100	100	12	21	ATSPEXGR21C12
100	100	12	22	ATSPEXGR22C12
100	100	12	30	ATSPEXGR30C12
100	100	12	32	ATSPEXGR32C12
100	100	9	22	ATSPEXGRD22C9
100	100	9	25	ATSPEXGRD25C9
80	160	12	25	ATSPEXGRD25C12

- All dimensions are expressed in mm
- Customer specifics electrode holder available

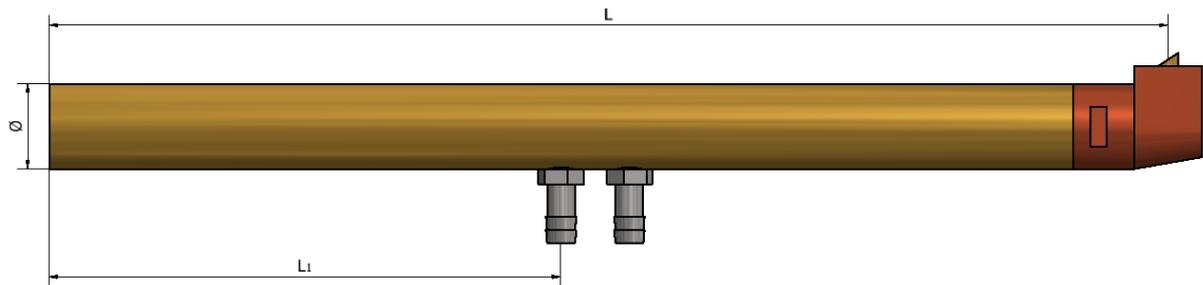
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Arm for Spot Welding Machines



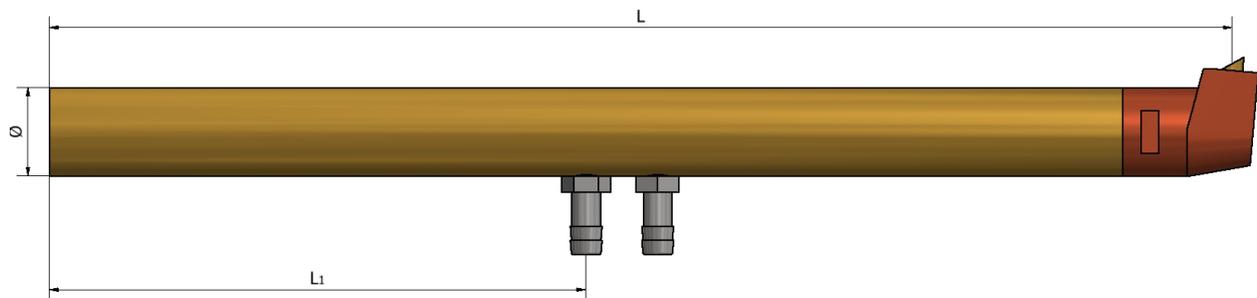
Dimension on request

Horizontal Holder



Dimension on request

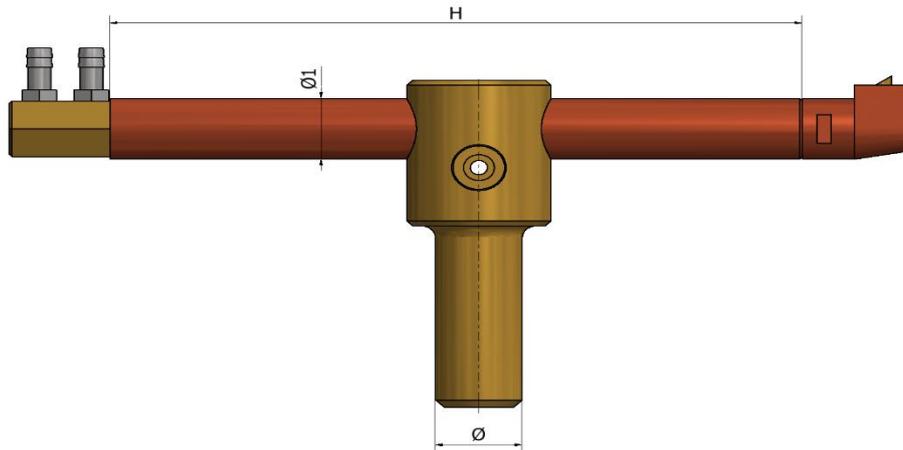
Horizontal Holder



Dimension on request

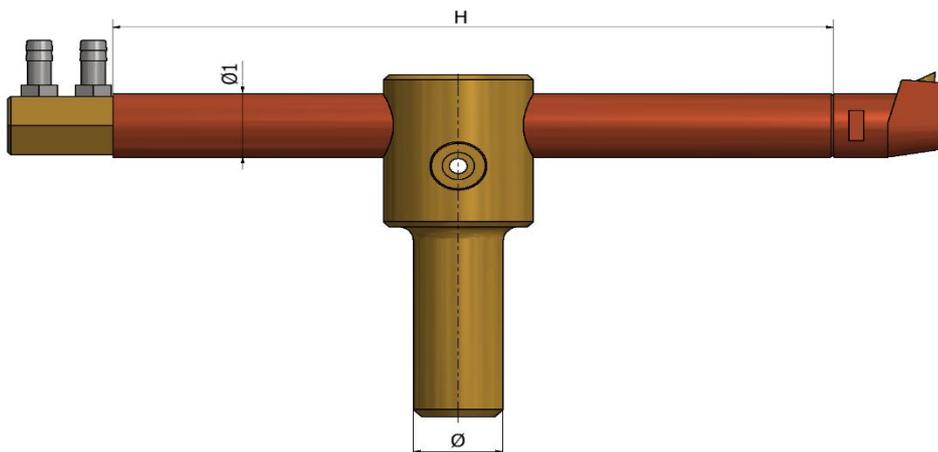
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Horizontal Holder



Dimension and Taper on request

Horizontal Holder



Dimension and Taper on request

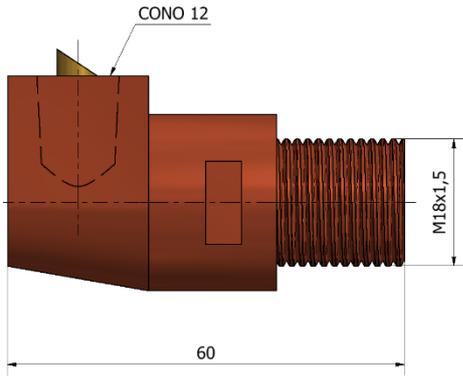
Electrode Holder



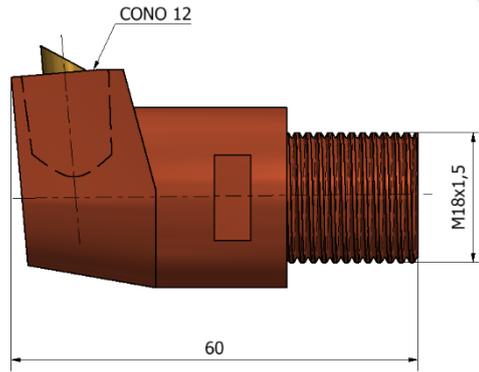
Dimension on request

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Bottom Electrode Holder Pn4 Cone Ø12

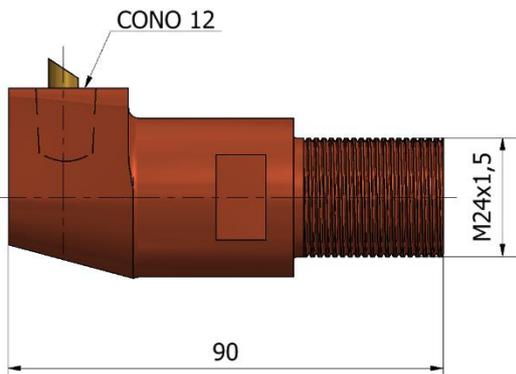


ATSTESPN4DIR

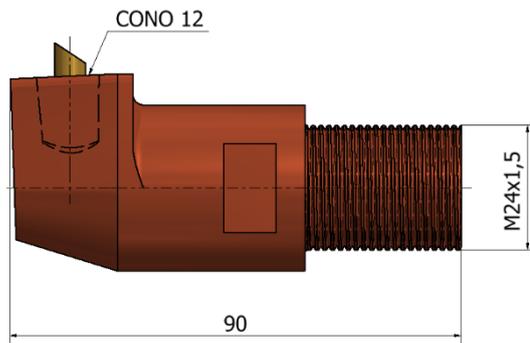


ATSTESPN4INCL

Bottom Electrode Holder 2151 Cone Ø12

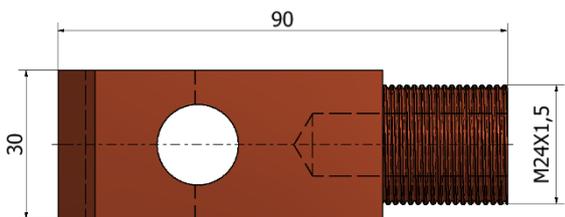


ATSTES2151ID

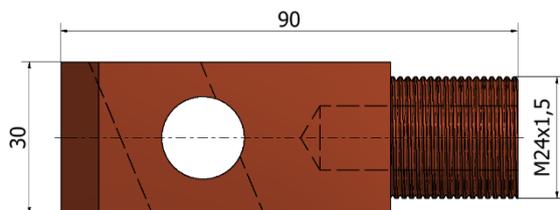


ATSTES2151INC

Upper Electrode Holder 2151



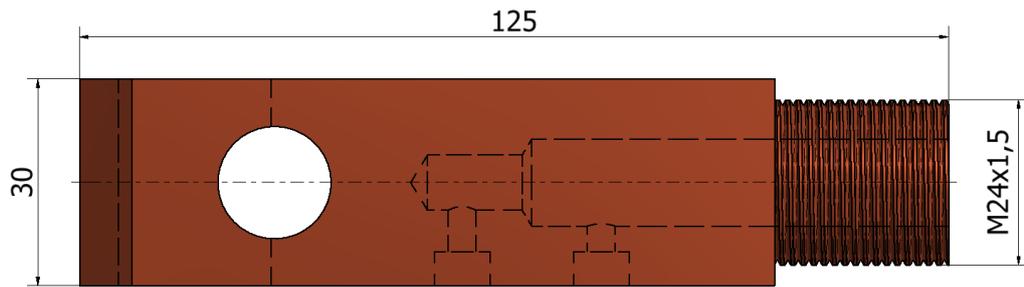
ATSTES2151SD



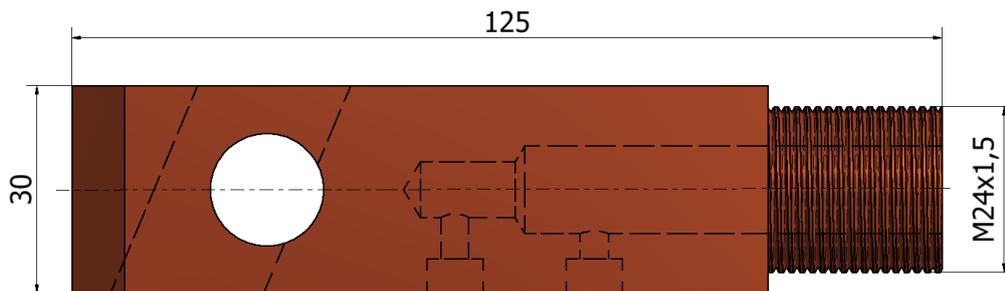
ATSTES2151SINC

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Upper Electrode Holder 3231

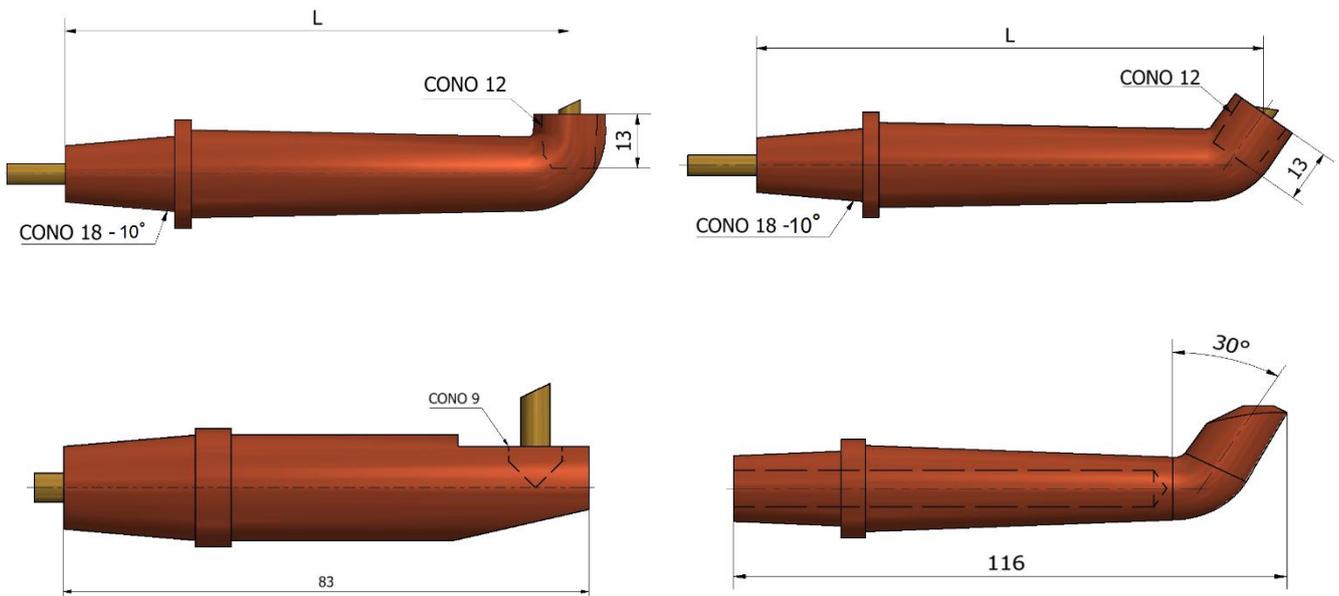


ATSTES3231SD



ATSTES3231INC

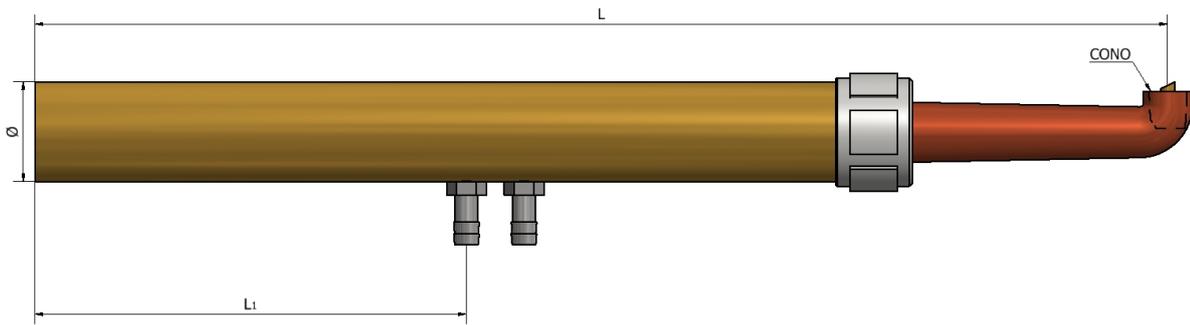
Electrode Holder and Special Electrode



Dimension on request

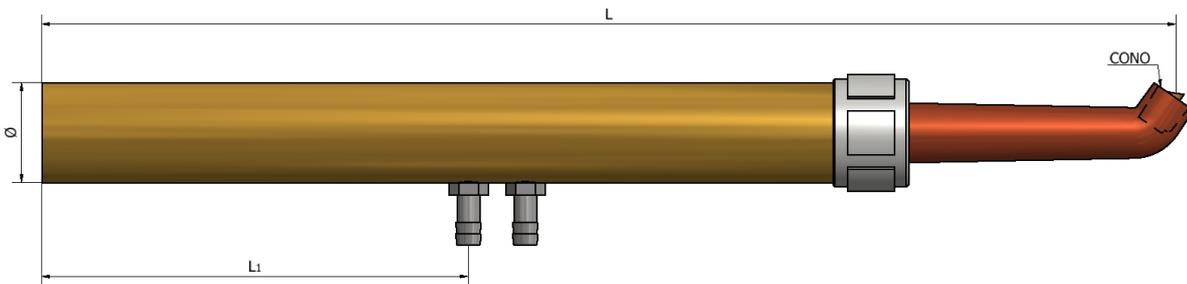
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Arm for Spot Welding Machines



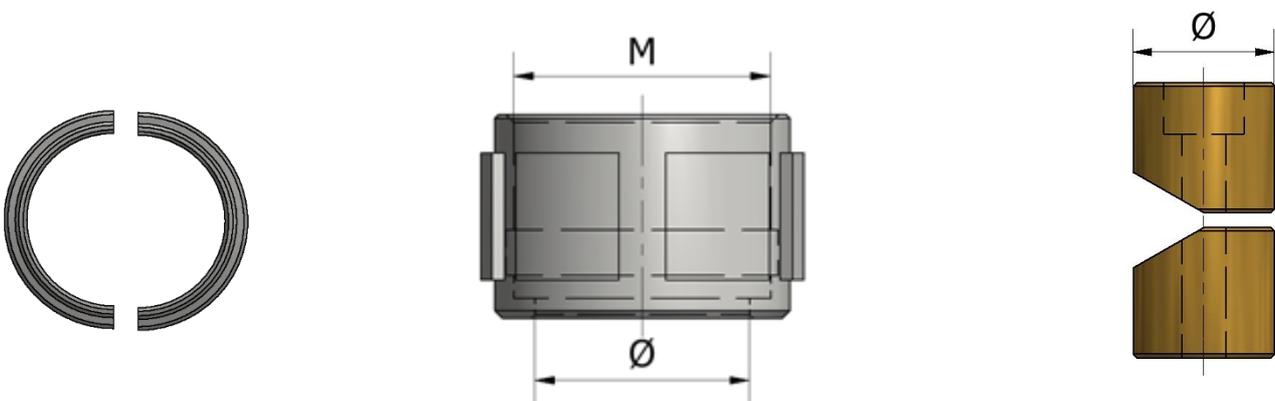
Dimension and Taper on request

Arm For Spot Welding Machines



Dimension and Taper on request

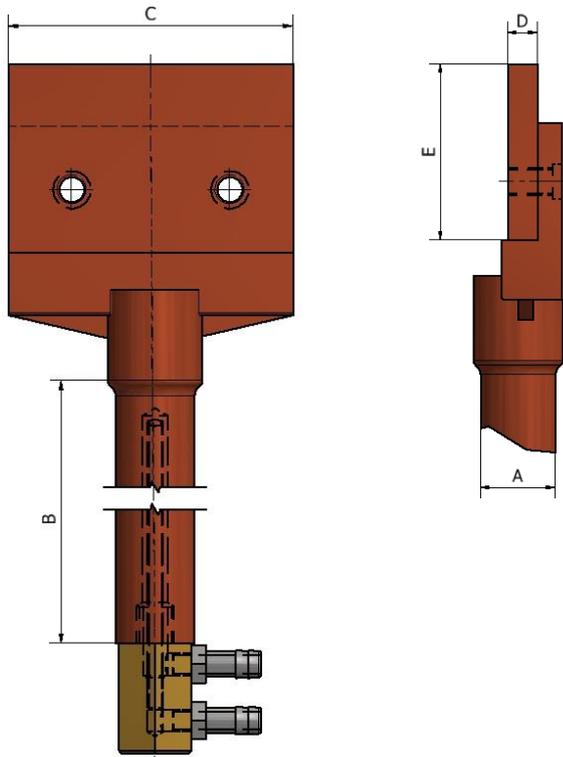
Ferrule - Semi-Rings and Adjuster Nuts



Dimension on Request

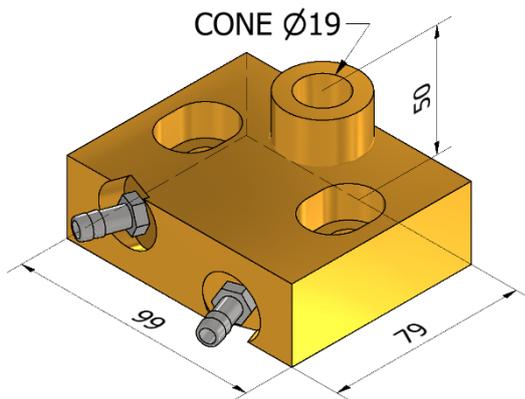
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Electrode Holder

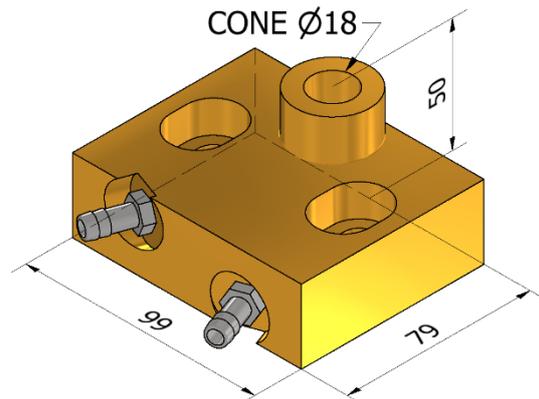


AØ	B	C	D	E
20	150	70	10	40
22	150	80	12	50
25	150	90	14	60
30	150	100	15	60

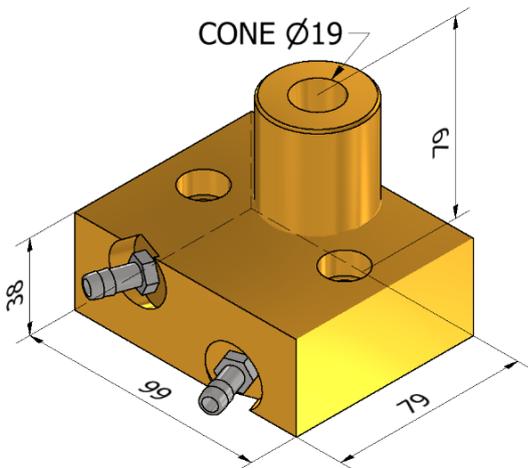
Electrode Holder



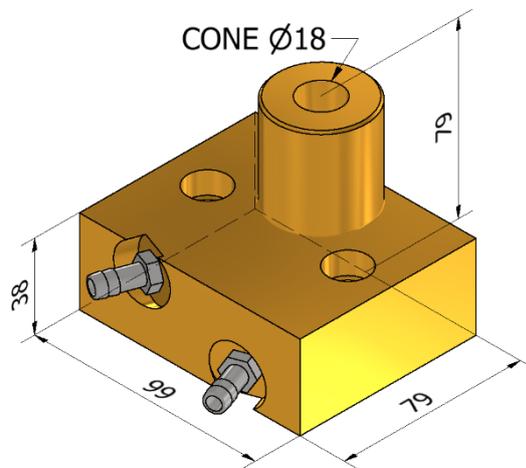
ATS39493



ATS39494



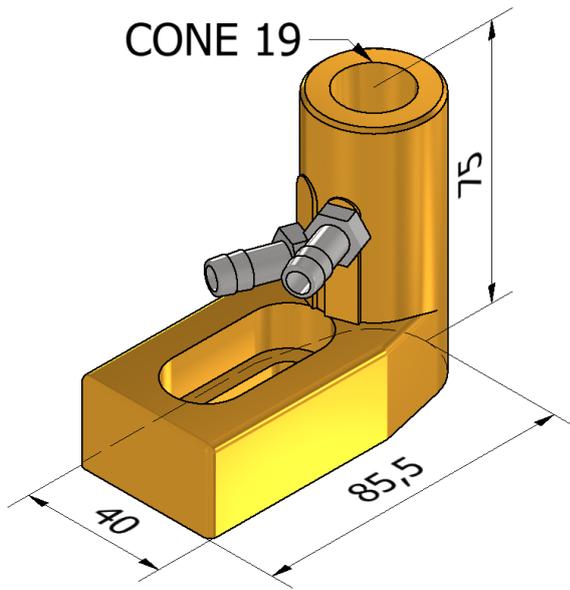
ATS44131



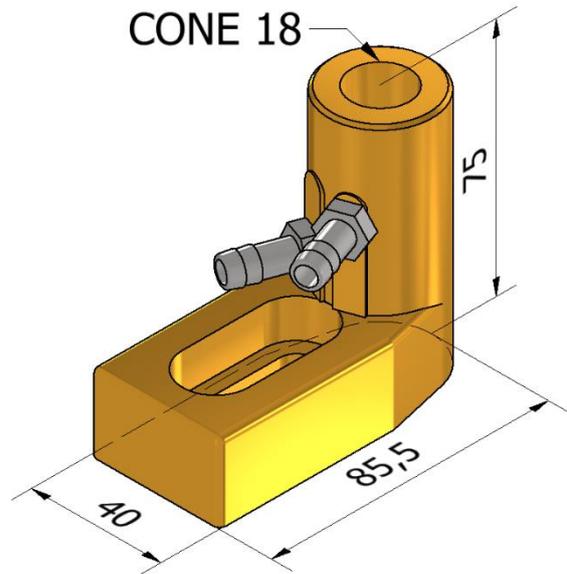
ATS45188

Dimension and Taper on request

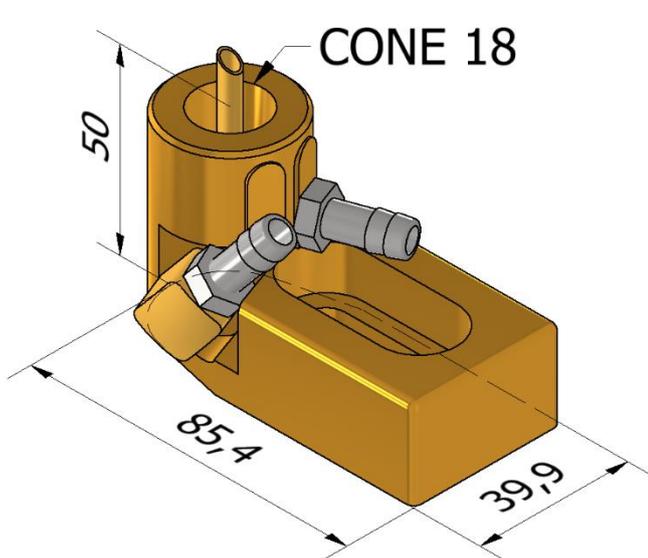
ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



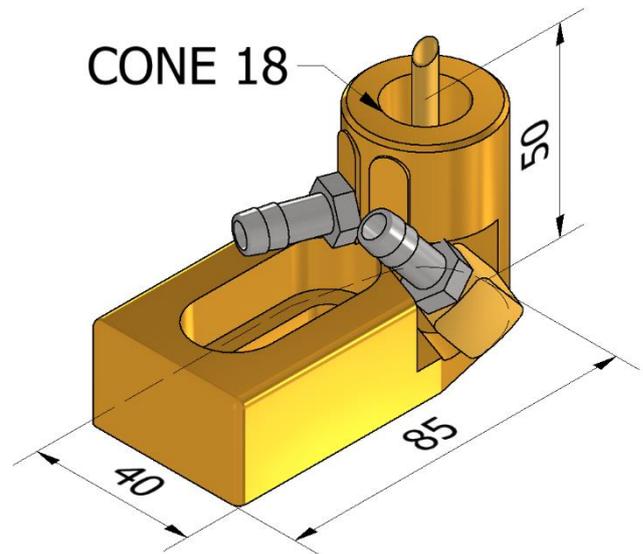
ATS38349



ATS39636



ATS44947

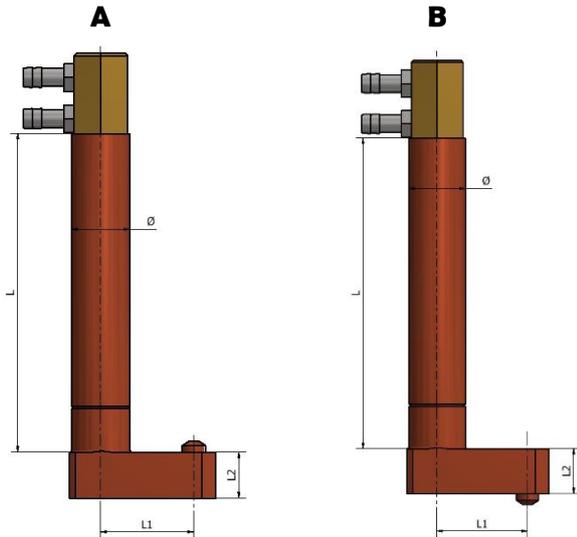


ATS44971

Dimension and Taper on request

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

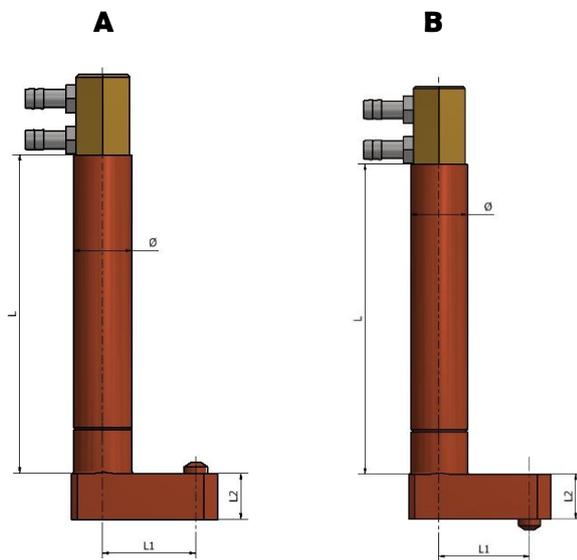
Electrode Holder Cone Ø9



	Ø(mm)	L(mm)
A	16	50
		160
B	16	50
		160

Dimension on request

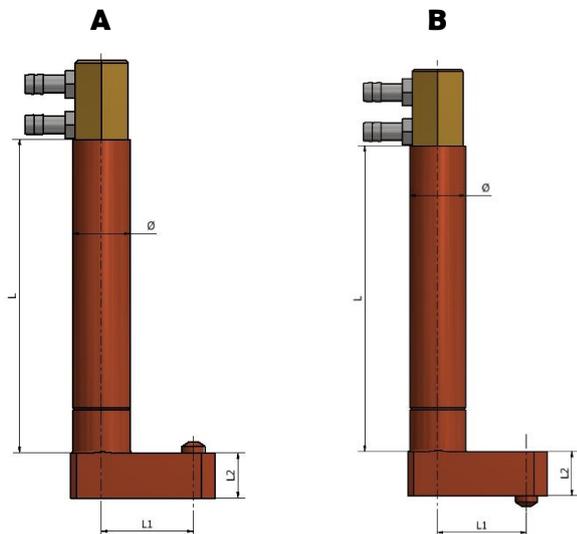
Electrode Holder Cone Ø12



	Ø(mm)	L(mm)
A	19	80
		115
		150
	25	130
		240
		320
B	19	80
		115
		150
		250

Dimension on request

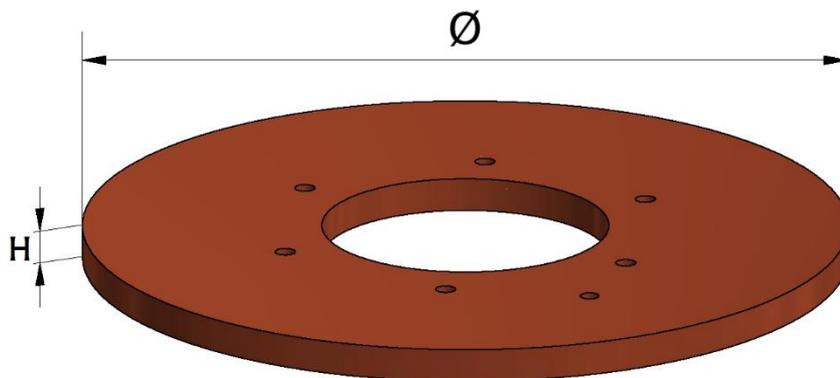
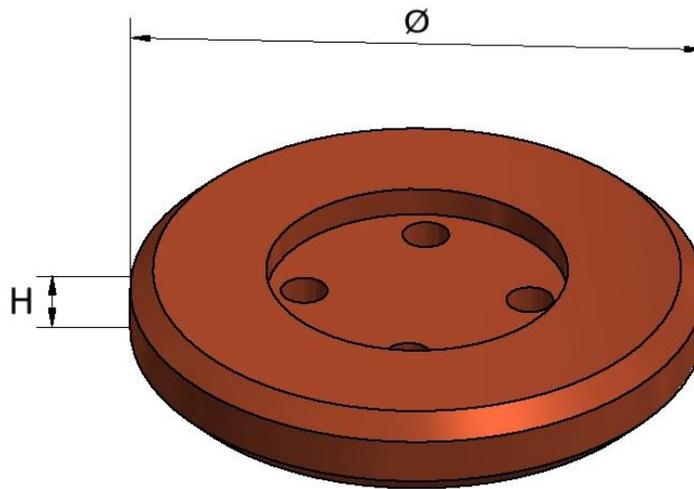
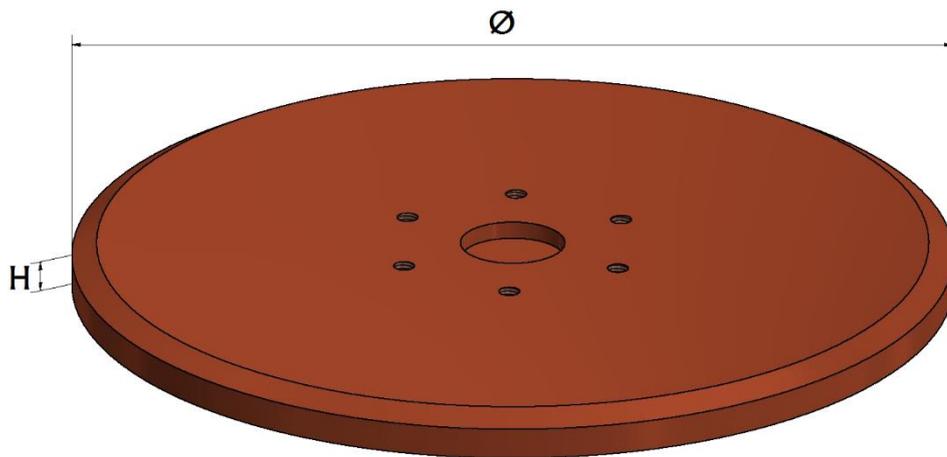
Electrode Holder Cone Ø18



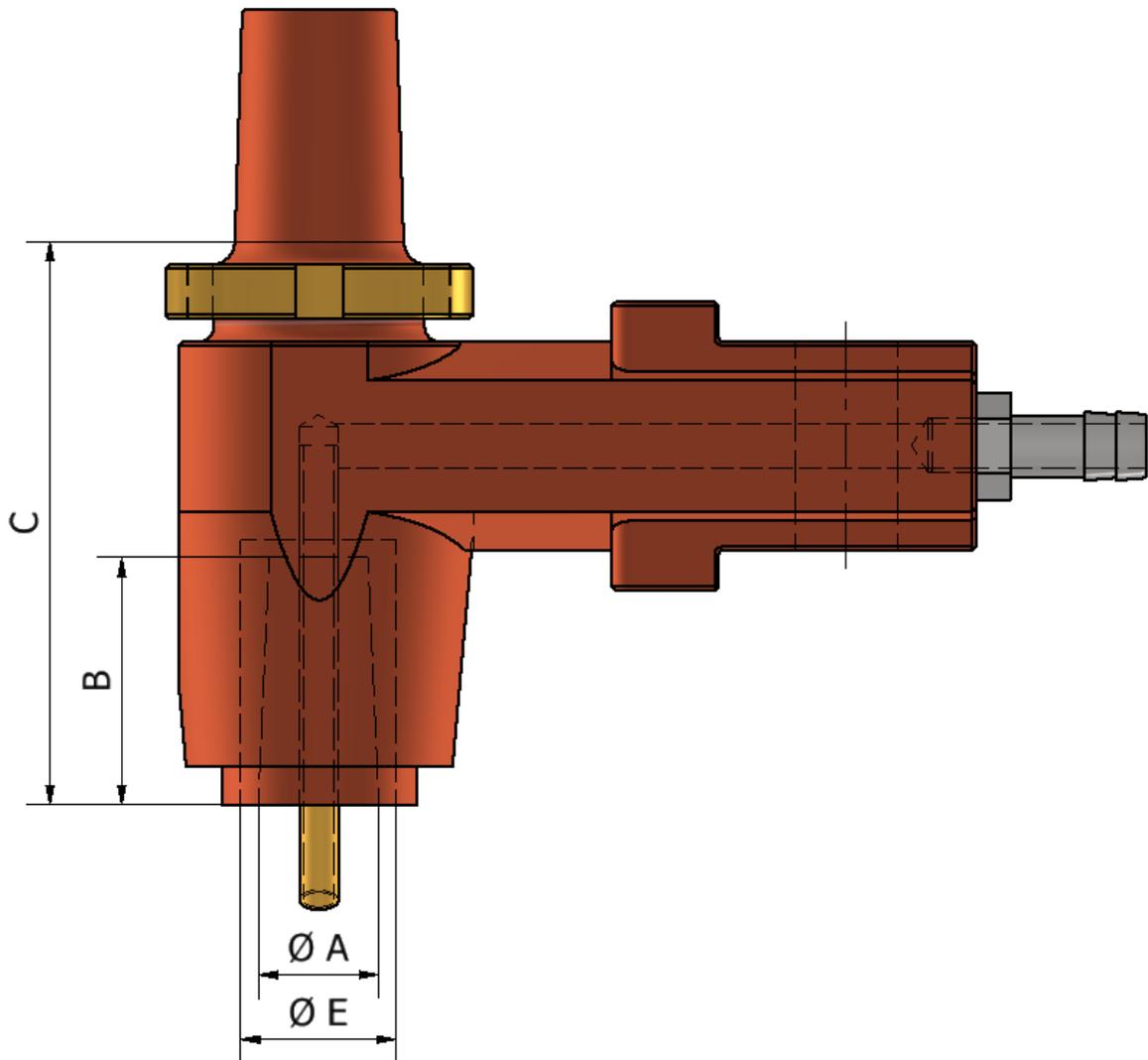
	Ø(mm)	L(mm)
A	25	160
		260
		360
	30	160
		260
		360
B	25	160
		260

Dimension on request

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

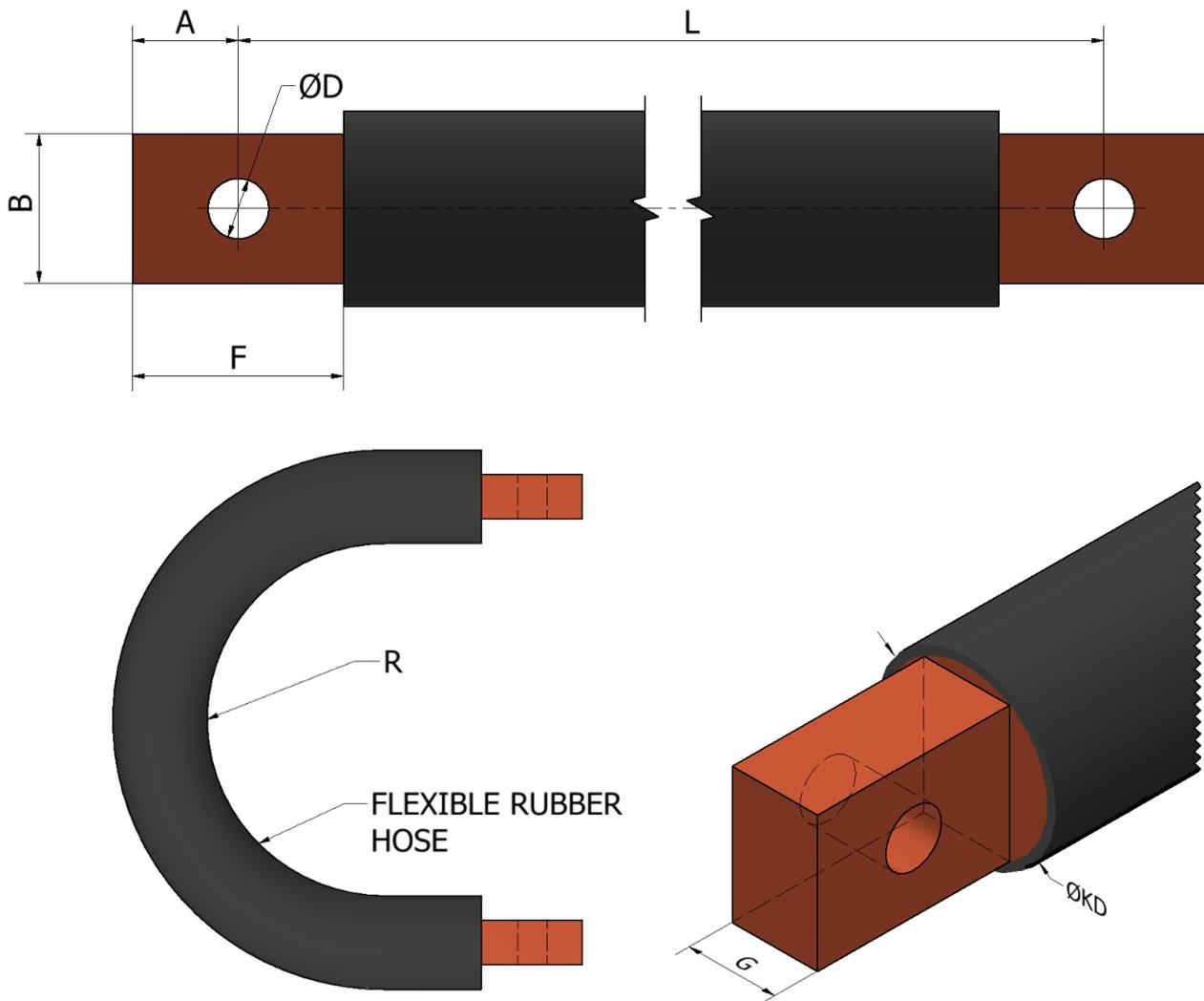


Dimension on Request



$\varnothing A$	B	C	$\varnothing E$	CODE
15,5	32	70	20	ATS31548728
19	40	78	22	ATS31548731

- All dimensions are expressed in mm

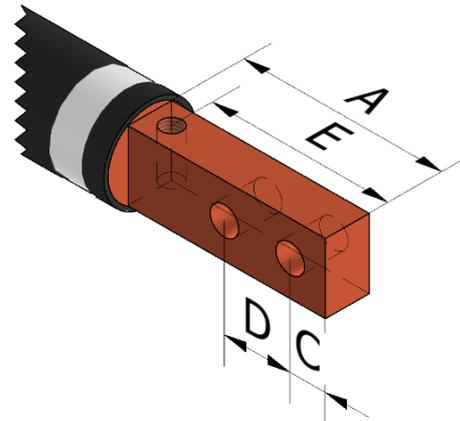
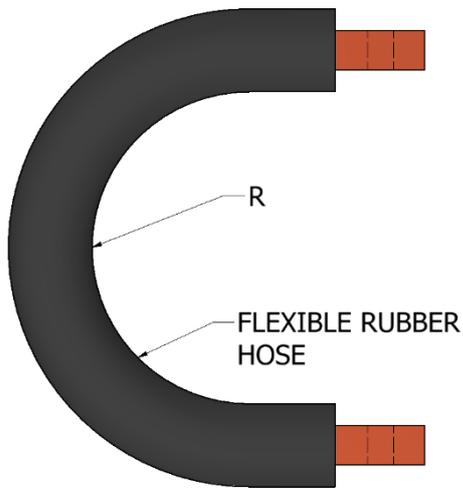
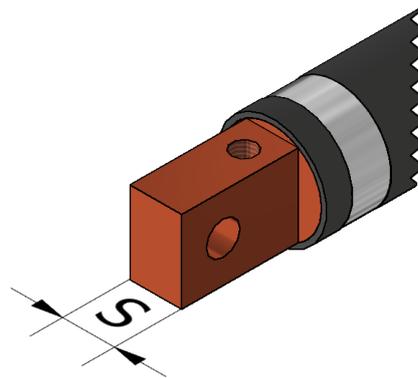
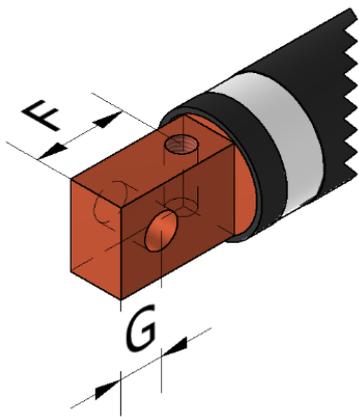


A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A

Section	A	B	F	ØD	G	ØKD	R
mm ²	mm	mm	mm	mm	mm	mm	mm
300	16	32	42	13	15	30	50
400	16	32	42	13	18	36	65
500	16	32	42	13	21	38	75
600	16	32	42	13	25	42	90
LENGTH "L" ACCORDING TO CUSTOMER REQUIREMENTS							

- All dimensions are expressed in mm

Water-cooled Flexible Connections

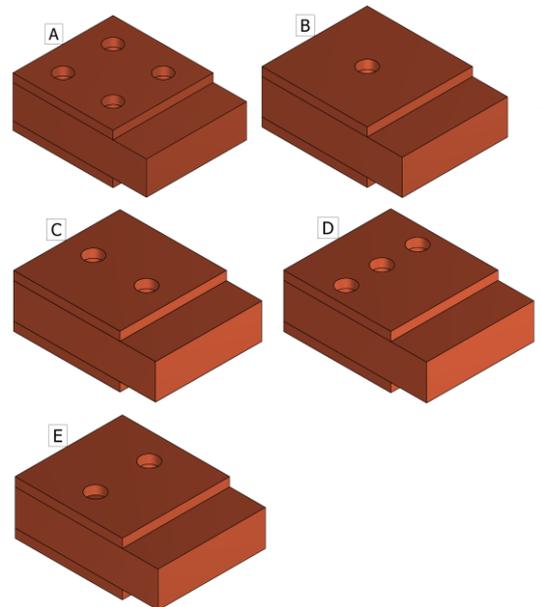
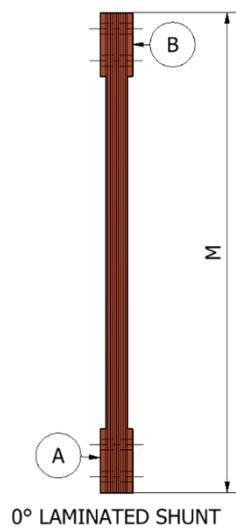
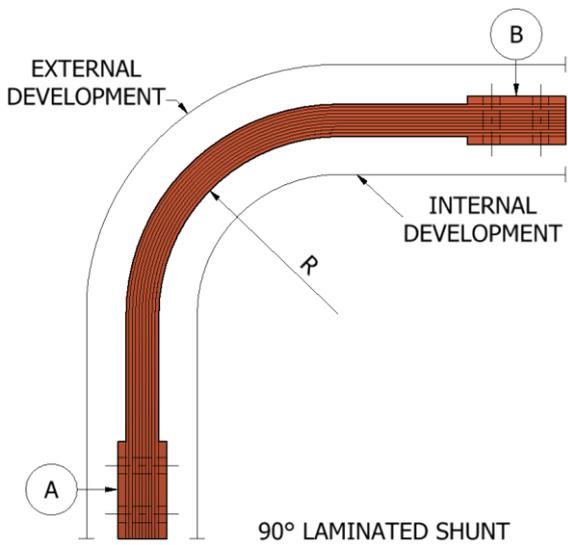
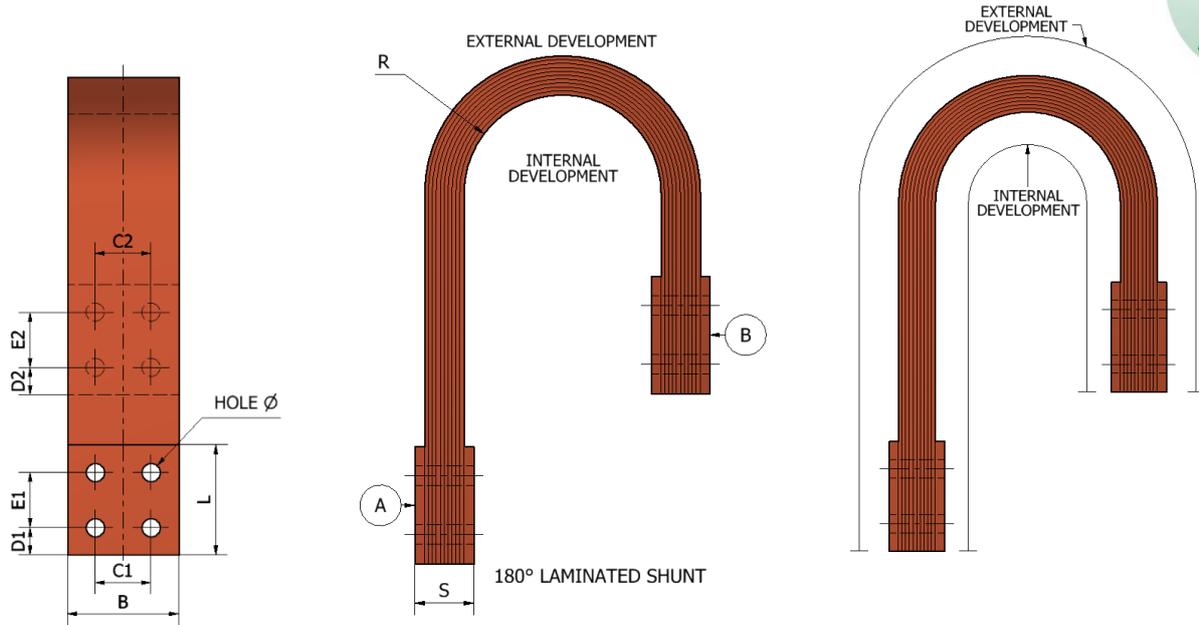


SECTION	S	ØB	ØKD	R
mm ²	mm	mm	mm	mm
150	15	28	40	70
185	16	28	40	80
240	18	32	44	85
300	18	32	44	100
400	21	38	50	130
"L" LENGTH ACCORDING TO CUSTOMER REQUIREMENTS				

- All dimensions are expressed in mm

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified

Laminated Shunts



A.T.S. s.r.l. Certified Company Quality System UNI EN ISO 9001:2015 Reg.3023/A

° BEND	R	S	B	L	M	INTERNAL DEVELOPMENT (mm)	EXTERNAL DEVELOPMENT (mm)
180°					/		
90°					/		
0°	/					/	/

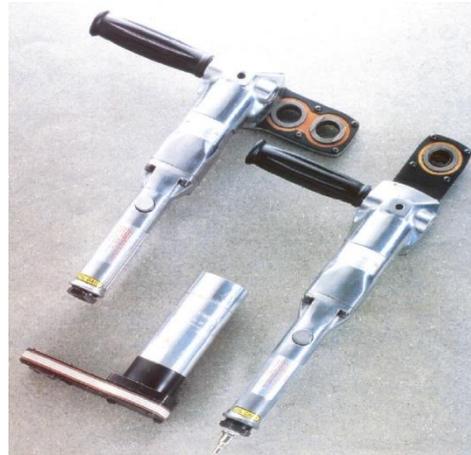
- PLEASE INDICATE ANY MISSING DATA WHEN PLACING THE REQUEST OR ORDER.

Different dimensions available on request

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



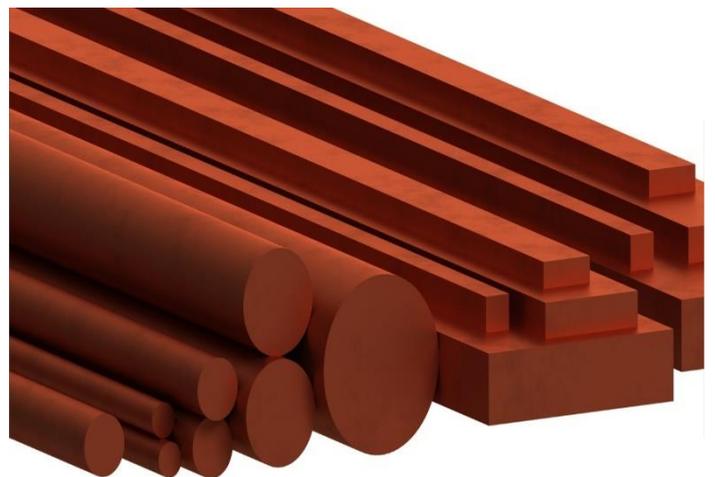
Welding Cylinders



Pneumatic Electrode Dresser



Closed Circuit Coolers



Copper, Beryllium Copper, Zirconium Copper Chrome

ATS S.r.l manufactures electrodes standards and according to customer specifications for resistance welding alloys with certified



The company A.T.S. s.n.c. was founded in 1983 initially as technical assistance and support in the field of spot welding, then following to several customer request, the founder Lamberti Bruno, afterwards followed by his wife Lucia Manferdini and by his daughter Cinzia decide to expand the potential of the company acquiring the trading license for the marketing of welding system and related spare parts.

During the years, over 30, the company A.T.S s.r.l. has seen a great evolution and expansion of its business activities with the first and only target of the "customer satisfaction".

Today A.T.S. s.r.l with the help of good collaborators who systematically attend training courses and updating stands in the foreground in the supply of equipment listed in the catalog defined standard and it has specialized in manufacturing components according to customer specifications and designs, and any other component at request regarding the field of spot welding, welding and fixing.

All the equipment sold or rental services are guaranteed by assistance of technical staff specialized that use instrumentation certified.

On the date July 22nd, 2002 the company A.T.S. s.r.l. gets with great satisfaction and pride the certification of the quality management system UNI EN ISO 9001:2000 conforming to the new standard UNI EN ISO 9001:2008 from July 01st,2009.

The main attention is focused on the customer, the ability to recognize their needs and expectations in order to be in line with market expectations trying to achieve the targets through continuous improvement.



CONTACTS

ADDRESS:

A.T.S. s.r.l. 40023 Castel Guelfo (BOLOGNA) – Via del Mangano, 4/A

TELEPHONE:

+39 0542.67.04.27

TELEFAX:

+39 0542.67.04.37

E-MAIL:

info@atslamberti.com

SITE:

[http:// www.atlamberti.com](http://www.atlamberti.com)

VAT NUMBER:

00824841209

FISCAL CODE: 04169740372

