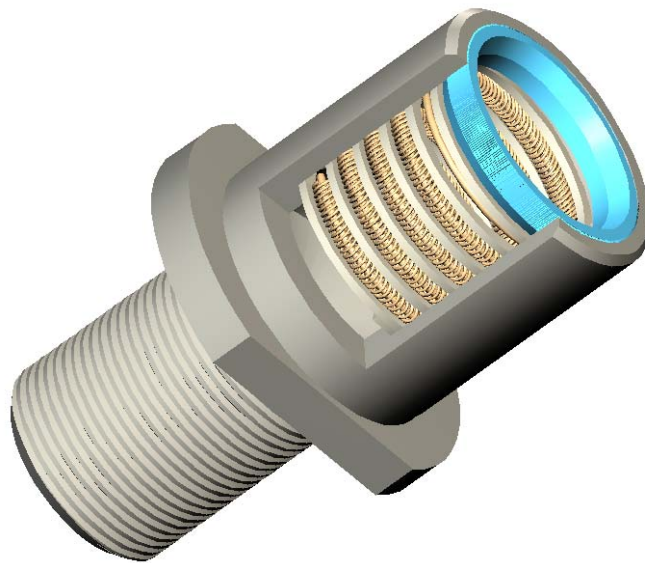


JAB 360° Multi Contact

- 1) 360° fully contact
- 2) Very high contact reliability
- 3) Low contact resistance
- 4) High current load
- 5) Low temprature rise
- 6) Excellent performance under vibration
- 7) Low insertion and withdrawal force
- 8) >100,000 mating cycle
- 9) Long service life



JAB 360° multi contact technology

JAB has different advanced 360° multi contact technology ,most JAB connectors and contacts are based on JAB 360° multi contact technology.

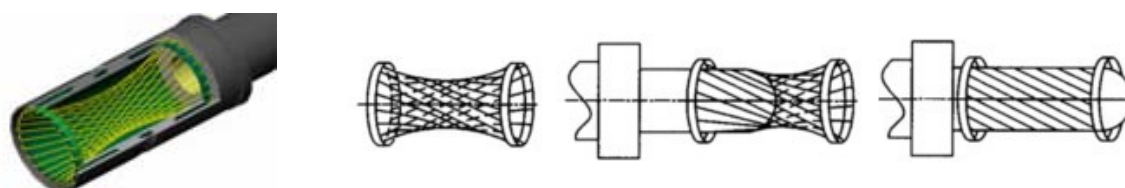
1) New sok technology



2) Spiral spring technology



3) Hypertac technology

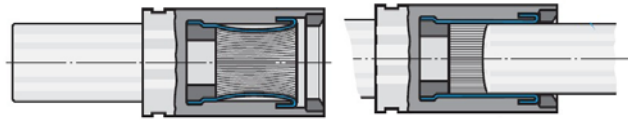
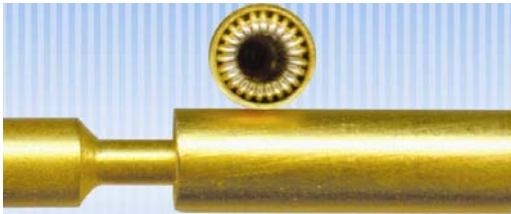


4) Crown lamella technology



JAB 360° multi contact technology

1) Wire spring technology



2) Twisted strip technology

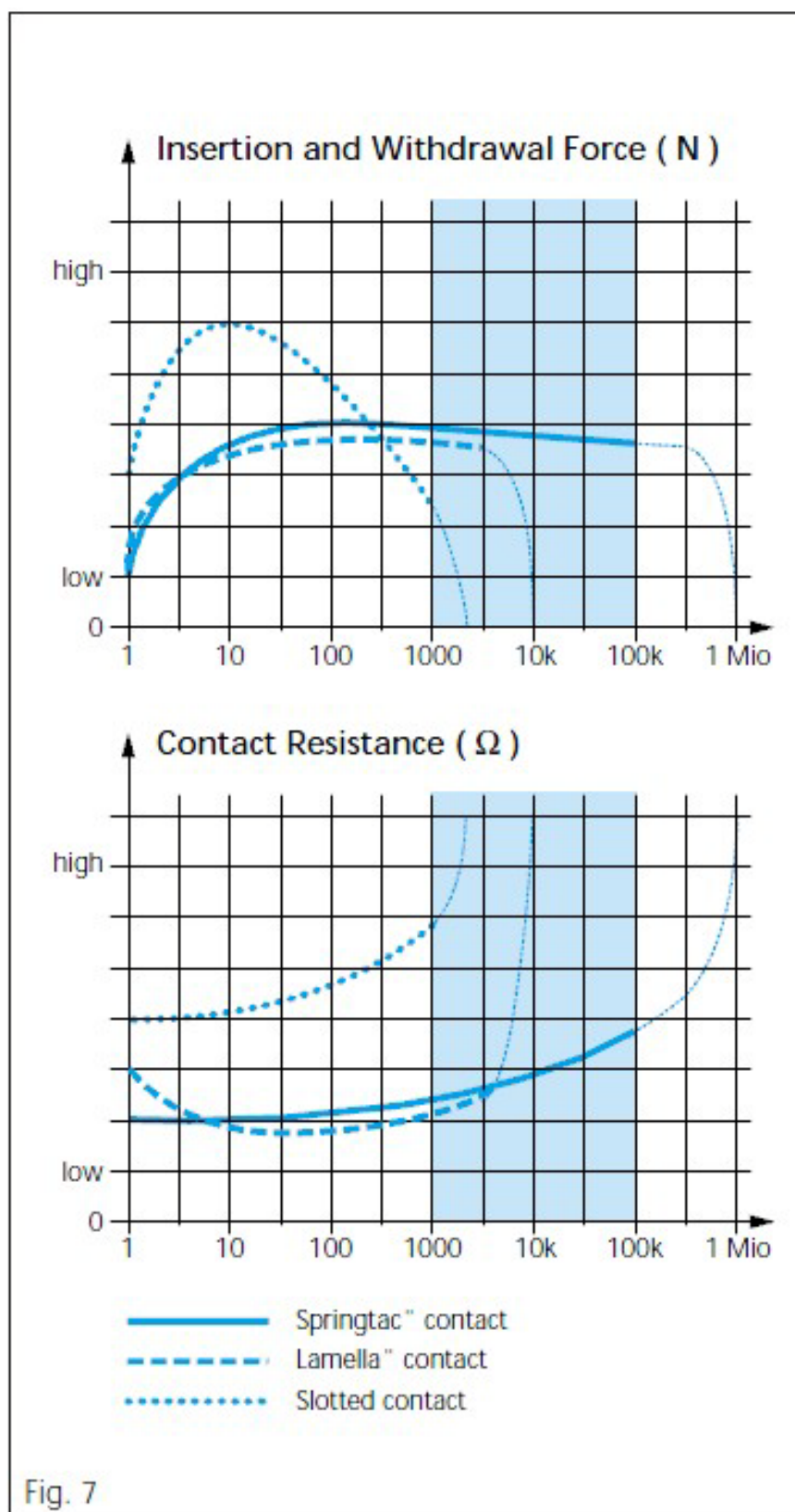


Feathure and benefits of JAB 360° multi contact technology

- 10) Very high contact reliability
- 11) Low contact resistance
- 12) High current load
- 13) Low temprature rise
- 14) Excellent performance under vibration
- 15) Low insertion and withdrawal force
- 16) High number of mating cycle
- 17) Long service life

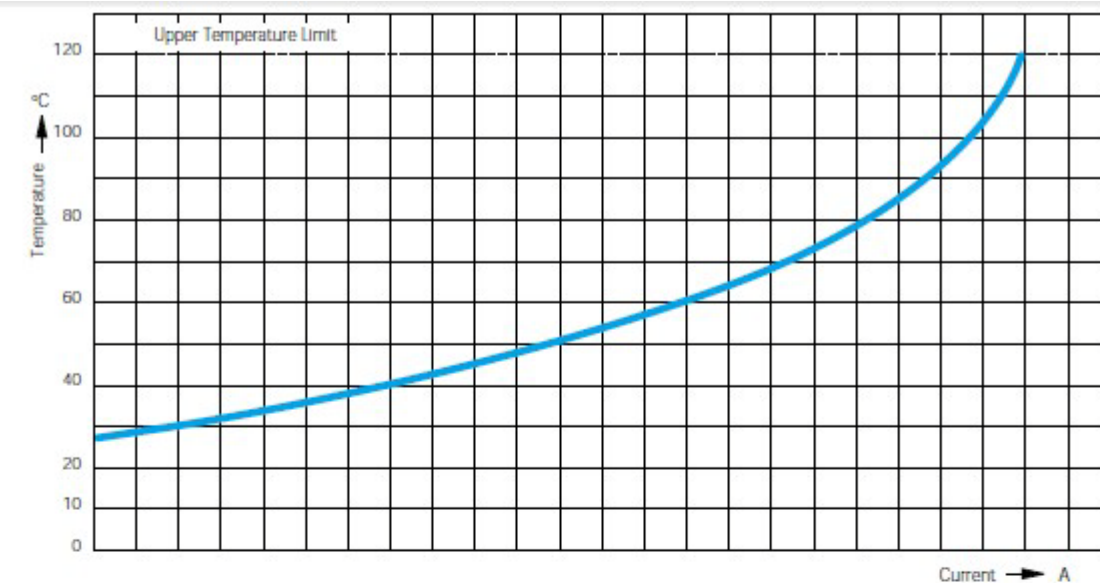
JAB 360° multi contact

Technical Comments:

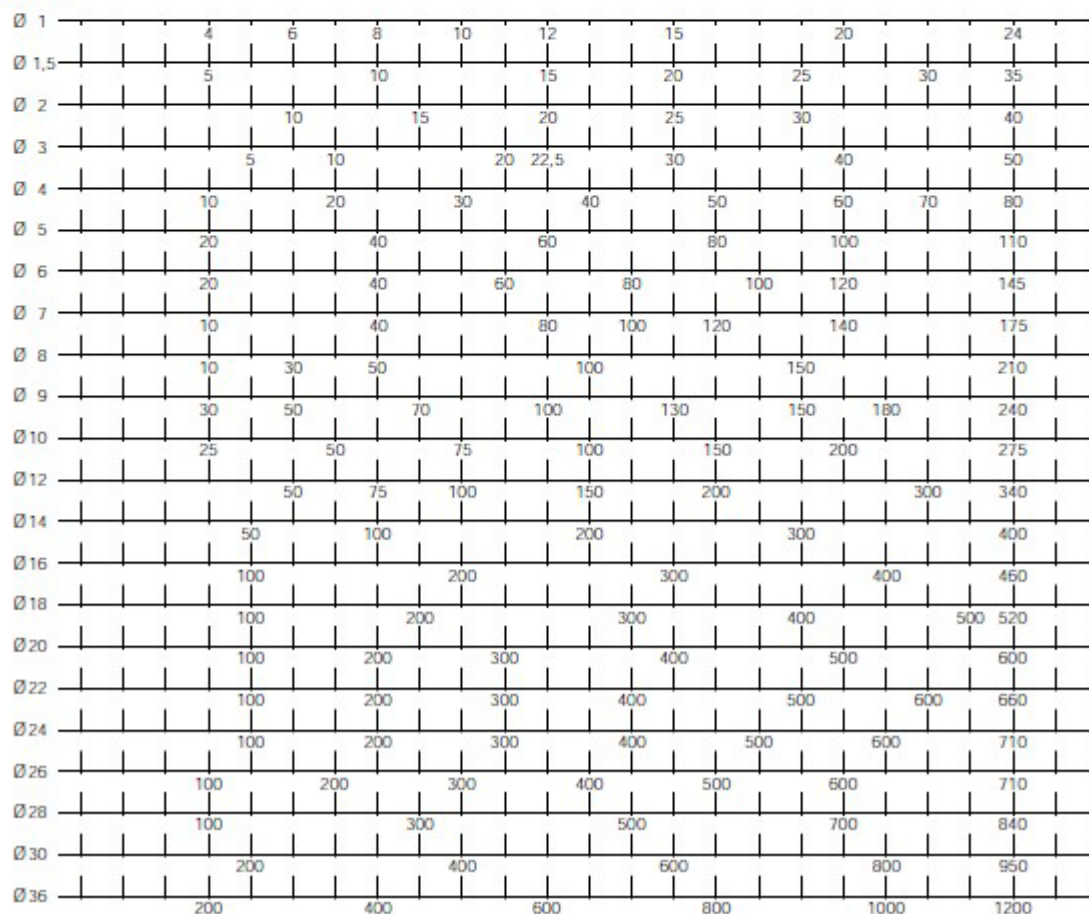


JAB 360° multi contact

Technical Comments:



Contact Ø



JAB 360° multi contact

Termination of JAB 360° multi contact:



Screw thread



Screw thread



Via screw-on



Via screw-on



Crimp

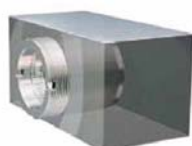
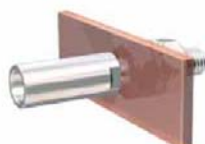


Crimp



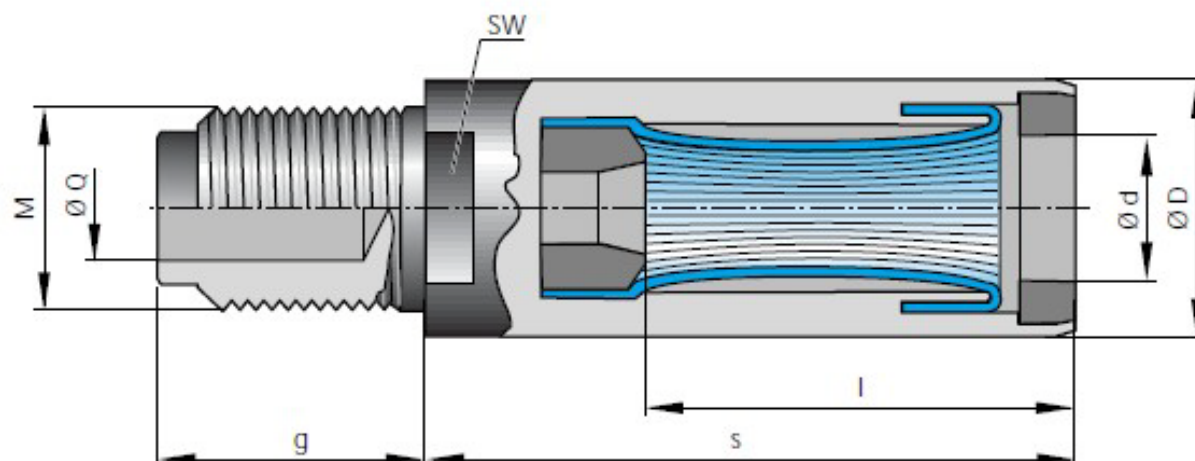
Flange

Terminal example:



JAB Spring Wire Sockets

Treaded termination socket



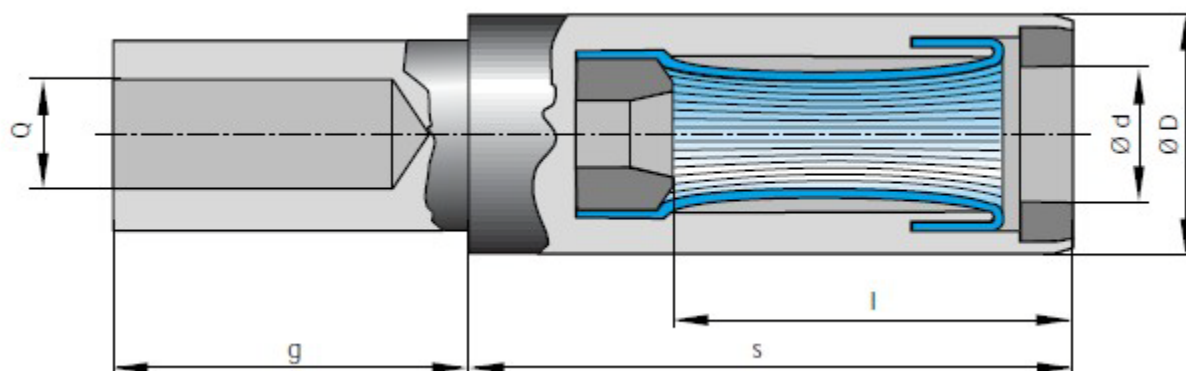
for Standard Parts	Part Number		Dimensions								Mech. Data ¹⁾		Electrical Data ¹⁾	
	Ø d	Ø D	l	s	SW	g	M (Thread M ...)	Ø Q	Insertion Force in N	Withdrawal Force in N	Nominal Current in A	Max. Cont. Current in A	Shortterm Current in kA	Contact Resistance µΩ
170.106.100.201.000	1,5	4	10,5	15,5	–	12,5	2,6	1,25	2	1,5	25	35	1,5	500
170.107.100.201.000	2	4	10,5	15,5	–	12,5	3	1,8	4	3	30	40	2,5	340
170.109.100.201.000	2,5	6	10,5	15,5	5	12,5	3	1,8	5,5	4	30	40	3	300
170.110.100.201.000	3	7	15	22,5	5	15	4	2,3	6,5	4,5	35	50	4	250
170.111.100.201.000	4	8	15	22,5	6	19	5	3	11	8	55	80	7	210
170.112.100.201.000	5	9	15	22,5	7	19	5	3	15	10	85	110	10	195
170.113.100.201.000	6	11	24	33,5	8	22	6	3,6	18	13	95	140	13	180
170.115.100.201.000	8	14	24	33,5	11	26	8	4,8	22	15	140	210	18	160
170.117.100.201.000	10	16	24	33,5	12	30	10	6,2	30	22	175	275	25	150
170.119.100.201.000	12	18	36	47	14	34	12x1,5	7,6	35	25	230	340	34	140
170.120.100.201.000	14	21	36	47	17	38	14x1,5	9	40	30	280	400	40	135
170.121.100.201.000	16	23	36	47	19	42	16x1,5	11,5	50	35	340	460	50	130
170.122.100.201.000	18	25	48	66	19	46	18x1,5	12,8	55	40	375	520	60	120
170.123.100.201.000	20	27	48	66	22	50	20x2	14,5	65	45	450	600	70	115
170.124.100.201.000	22	30	48	66	24	54	22x2	16	70	50	480	650	80	110
170.125.100.201.000	24	32	48	66	27	58	24x2	17,8	80	55	500	700	90	105
170.126.100.201.000	26	34	48	66	27	62	27x2	20	85	60	530	750	100	100
170.127.100.201.000	28	36	48	66	32	62	32x2	25	90	60	650	850	110	90
170.128.100.201.000	30	38	48	66	32	62	32x2	25	100	70	720	950	120	80

Standard surface finish: Carrier and springwires 6µ Ag. Other finishes on request.

Dimensions in mm. - Dim. ØD and s min. dimensions.

JAB Spring Wire Sockets

Crimp termination socket



Part Number	Dimensions								Mech. Data ¹⁾		Electrical Data ¹⁾		Part No. Crimp Tools
for Standard Parts	Ød	ØD	l	s	g	Q (termination Cross-Section mm ²)	Insertion Force in N	Withdrawal Force in N	Nominal Current in A	Max. Cont. Current in A	Shortterm Current in A	Contact Resistance µΩ	
171.603.100.201.000	0,76	1,58	7	9,8	5	0,38	0,7	0,5	9	11,5	0,7	3800	
171.604.100.201.000	1,02	1,98	7	9,8	5	0,5	1	0,8	11	15	1	2200	
171.606.100.201.000	1,5	4	12	15,5	6,5	1,5	2	1,5	25	35	1,5	500	
171.607.100.201.000	2	4	10,5	15,5	6,5	2,5	4	3	30	40	2,5	340	
171.609.100.201.000	2,5	6	10,5	15,5	6,5	2,5	5,5	4	30	40	3	300	
170.610.100.201.000	3	5,5	15	22,5	6,5	2,5	6,5	4,5	30	40	3	250	
171.610.100.201.000	3	7	15	22,5	6,5	4	6,5	4,5	35	50	4	250	
170.611.100.201.000	4	8	15	22,5	13	4	11	8	35	50	4	210	
171.611.100.201.000	4	8	15	22,5	12,5	6	11	8	55	80	7	210	
171.612.100.201.000	5	9	15	22,5	17,5	10	15	10	85	110	10	195	
171.613.100.201.000	6	11	24	33,5	22,5	16	18	13	95	140	13	180	
171.615.100.201.000	8	14	24	33,5	22,5	25	22	15	140	210	18	160	
171.617.100.201.000	10	16	24	33,5	22,5	35	30	22	175	275	25	150	
171.619.100.201.000	12	18	36	47	28	50	35	25	230	340	34	140	
171.620.100.201.000	14	21	36	47	28	70	40	30	280	400	40	135	
171.621.100.201.000	16	23	36	47	28	95	50	35	340	460	50	130	
171.622.100.201.000	18	25	48	66	34	120	55	40	375	520	60	120	
171.623.100.201.000	20	27	48	66	34	150	65	45	450	600	70	115	
171.624.100.201.000	22	30	48	66	34	185	70	50	480	650	80	110	
171.625.100.201.000	24	32	48	66	54	240	80	55	500	700	90	105	
171.626.100.201.000	26	34	48	66	64	300	85	60	530	750	100	100	
171.627.100.201.000	28	40	48	66	69	400	90	60	650	850	110	90	
171.628.100.201.000	30	42	—	135	—	500	100	70	720	950	120	80	

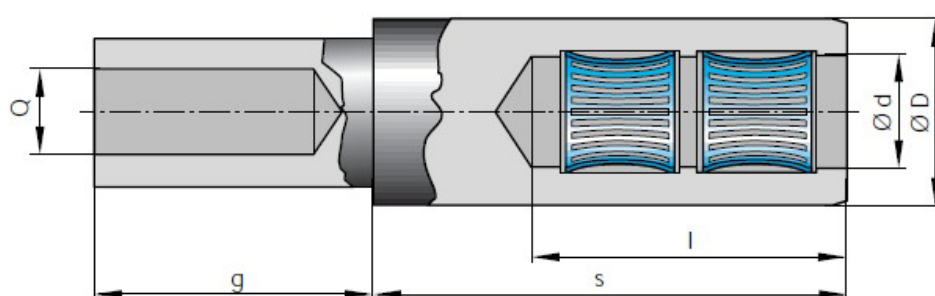
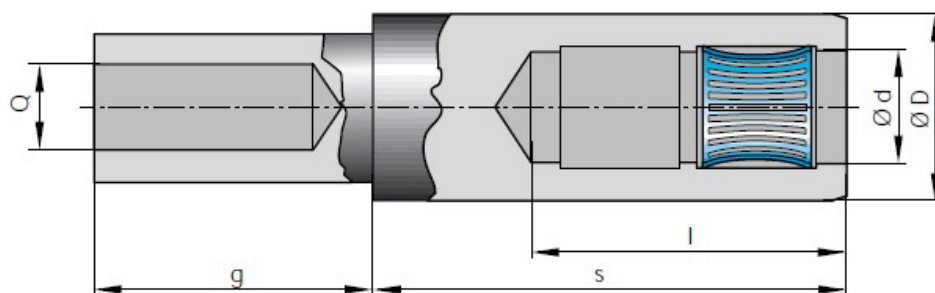
See Table
Page 28

Standard surface finish: Carrier and springwires 6µ Ag. Other finishes on request.

Dimensions in mm. - Dim. ØD and s min. dimensions.

JAB Crown Lamella Sockets

Crimp termination socket



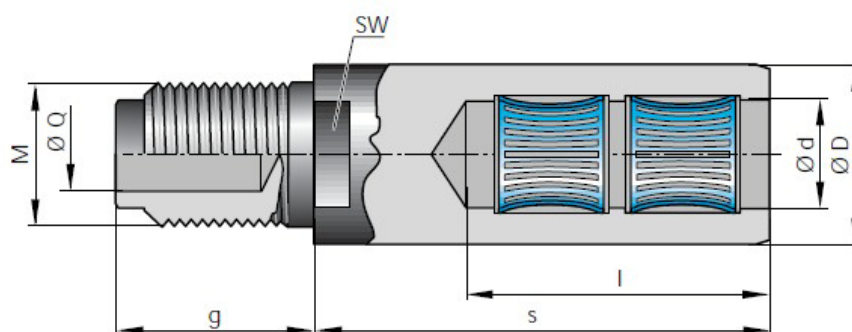
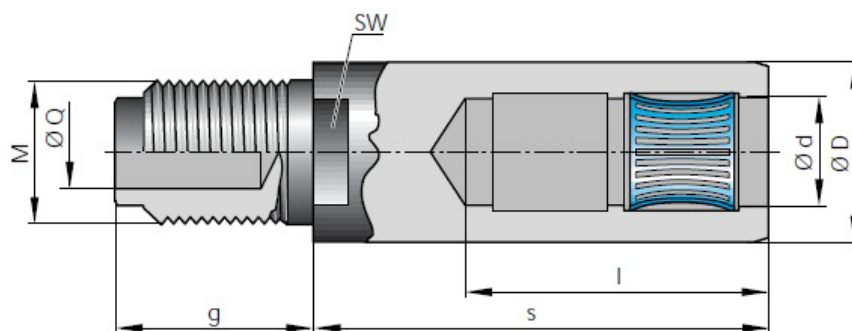
Part Number	Dimensions								Mech. Data ¹⁾		Electrical Data ¹⁾		Part No. Crimp Tools	
	for Standard Parts													
	Ø d	Number of Lamellas		Ø D	l	s	g	Q (Termination Cross-Section mm²)	Insertion Force in N	Withdrawal Force in N	Nominal Current in A	Max. Cont. Current in A	Shortterm Current in A	Contact Resistance µΩ
178.606.100.201.000	1,5	1	4	10,5	15,5	6,5	1,5	6	4	25	30	2	420	See Table Page 28
178.607.100.201.000	2	1	4	10,5	15,5	6,5	2,5	7	5	30	40	2,5	370	
178.610.100.201.000	3	1	7	15	22,5	6,5	4	10	8	40	55	5	270	
178.611.100.201.000	4	1	8	15	22,5	12,5	6	15	13	60	80	8	220	
178.612.100.201.000	5	1	9	15	22,5	17,5	10	17	14	75	110	11	190	
178.613.100.201.000	6	1	11	24	33,5	22,5	16	19	16	100	140	14	140	
178.713.100.201.000	6	2	11	24	33,5	22,5	25	35	32	120	160	16	100	
178.615.100.201.000	8	1	14	24	33,5	22,5	25	35	30	150	210	22	110	
178.715.100.201.000	8	2	14	24	33,5	22,5	35	65	60	170	230	25	80	
178.617.100.201.000	10	1	16	24	33,5	22,5	35	40	35	200	290	28	90	
178.717.100.201.000	10	2	16	24	33,5	22,5	50	75	70	220	310	32	65	

Standard surface finish: Carrier and springwires 6µ Ag. Other finishes on request.

Dimensions in mm. - Dim. ØD and s min. dimensions.

JAB Crown Lamella Sockets

Solder and threaded termination socket



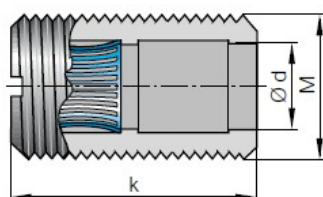
Part Number		Dimensions										Mech. Data ¹⁾		Electrical Data ¹⁾			
for Standard Parts	Ø d	Number of Lamellas		Ø D	l	s	SW	g	M (Thread M ...)	Ø Q	Insertion Force in N	Withdrawal Force in N	Nominal Current in A	Max. Cont. Current in A	Shortterm Current in A	Contact Resistance in kΩ	Contact Resistance µΩ
178.106.100.201.000	1,5	1	4	10,5	15,5	–	12,5	2,6	1,25	6	4	25	30	2	420		
178.107.100.201.000	2	1	4	10,5	15,5	–	12,5	3	1,8	7	5	30	40	2,5	370		
178.110.100.201.000	3	1	7	15	22,5	5	15	4	2,3	10	8	40	55	5	270		
178.111.100.201.000	4	1	8	15	22,5	6	19	5	3	15	13	60	80	8	220		
178.112.100.201.000	5	1	9	15	22,5	7	19	5	3	17	14	75	110	11	190		
178.113.100.201.000	6	1	11	24	33,5	8	22	6	3,6	19	16	100	140	14	140		
178.213.100.201.000	6	2	11	24	33,5	8	26	8	4,8	35	32	120	160	16	100		
178.115.100.201.000	8	1	14	24	33,5	11	26	8	4,8	35	30	150	210	22	110		
178.215.100.201.000	8	2	14	24	33,5	11	30	10	6,2	65	60	170	230	25	80		
178.117.100.201.000	10	1	16	24	33,5	12	30	10	6,2	40	35	200	290	28	90		
178.217.100.201.000	10	2	16	24	33,5	12	34	12x1,5	7,6	75	70	220	310	32	65		

Standard surface finish: Carrier and springwires 6µ Ag. Other finishes on request.

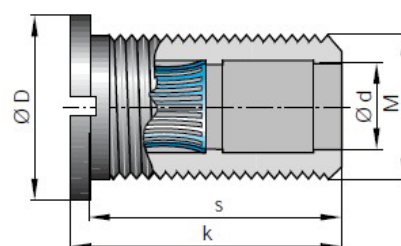
Dimensions in mm. - Dim. ØD and s min. dimensions.

JAB Crown Lamella Sockets

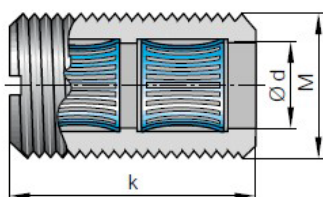
Series LZ1



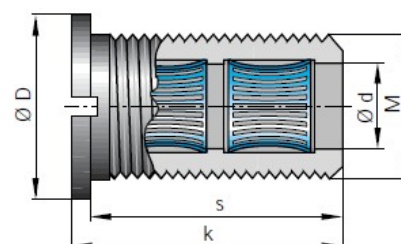
Series LF1



Series LZ2



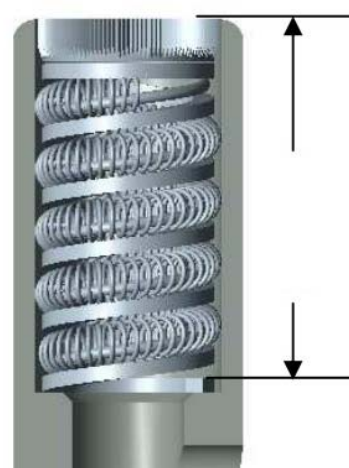
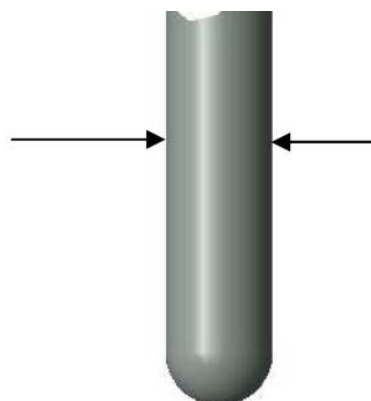
Series LF2



for Standard Parts	Part Number			Dimensions					Mech. Data ¹⁾				Electrical Data ¹⁾	
	Ø d	Style	Number of Lamellas	Ø D	k	s	M (Thread M...)	Insertion Force in N	Withdrawal Force in N	Torque in Nm	Nom. Current in A ²⁾	Max. Cont. Current in A ²⁾	Shortterm Current in kA	Contact Resistance µΩ
178.306.100.201.000	1,5	Z	1	–	7	–	4	6	4	0,5	25	30	2	300
178.346.100.201.000	1,5	F	1	7	7	5,5	4	6	4	0,5	25	30	2	300
178.307.100.201.000	2	Z	1	–	7	–	5	7	5	0,5	30	40	2,5	250
178.347.100.201.000	2	F	1	8	7	5,5	5	7	5	0,5	30	40	2,5	250
178.310.100.201.000	3	Z	1	–	12	–	7x0,5	10	8	1,2	40	55	5	170
178.350.100.201.000	3	F	1	10	13	10	7x0,5	10	8	1,2	40	55	5	170
178.311.100.201.000	4	Z	1	–	13	–	8x1	15	13	1,2	60	80	8	140
178.351.100.201.000	4	F	1	11	13	10	8x1	15	13	1,2	60	80	8	140
178.312.100.201.000	5	Z	1	–	13	–	10	17	14	3	75	110	11	120
178.352.100.201.000	5	F	1	13	13	10	10	17	14	3	75	110	11	120
178.313.100.201.000	6	Z	1	–	19	–	12x1,5	19	16	6	100	140	14	90
178.333.100.201.000	6	Z	2	–	13	–	12x1,5	35	32	6	120	160	16	70
178.353.100.201.000	6	F	1	16	19	10	12x1,5	19	16	6	100	140	14	90
178.373.100.201.000	6	F	2	16	16	16	12x1,5	35	32	6	120	160	16	70
178.315.100.201.000	8	Z	1	–	26	–	14x1	35	30	6	150	210	22	60
178.335.100.201.000	8	Z	2	–	16	–	14x1	65	60	6	170	230	25	50
178.354.100.201.000	8	F	1	18	26	13	14x1	35	30	6	150	210	22	60
178.374.100.201.000	8	F	2	18	16	22	14x1	65	60	6	170	230	25	50
178.317.100.201.000	10	Z	1	–	26	–	18x1,5	40	35	10	200	290	28	55
178.337.100.201.000	10	Z	2	–	16	–	18x1,5	75	70	10	220	310	32	45
178.357.100.201.000	10	F	1	22	26	13	18x1,5	40	35	10	200	290	28	55
178.377.100.201.000	10	F	2	22		22	18x1,5	75	70	10	220	310	32	45

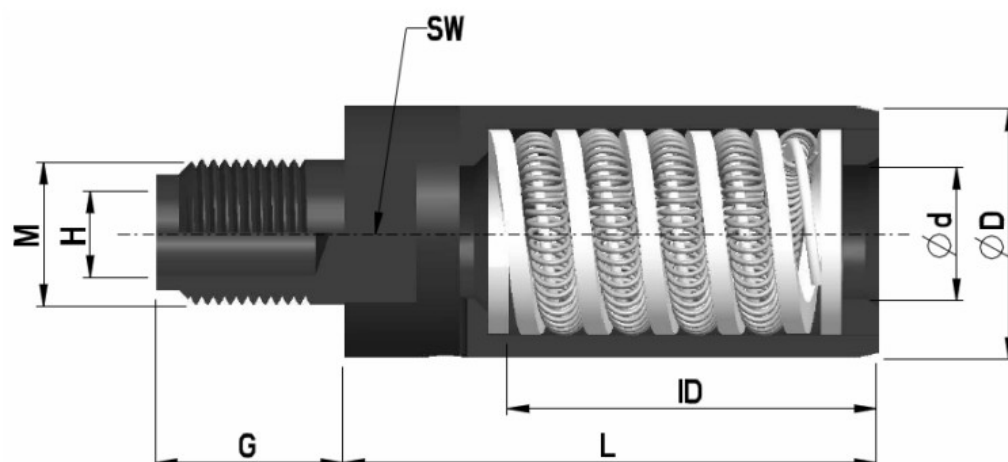
JAB Spiral spring Sockets

Technical comments

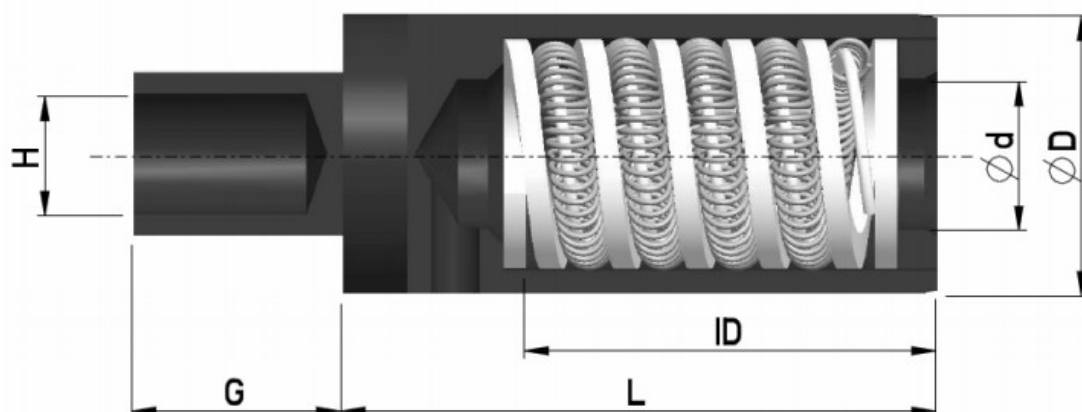


JAB Spiral spring Sockets

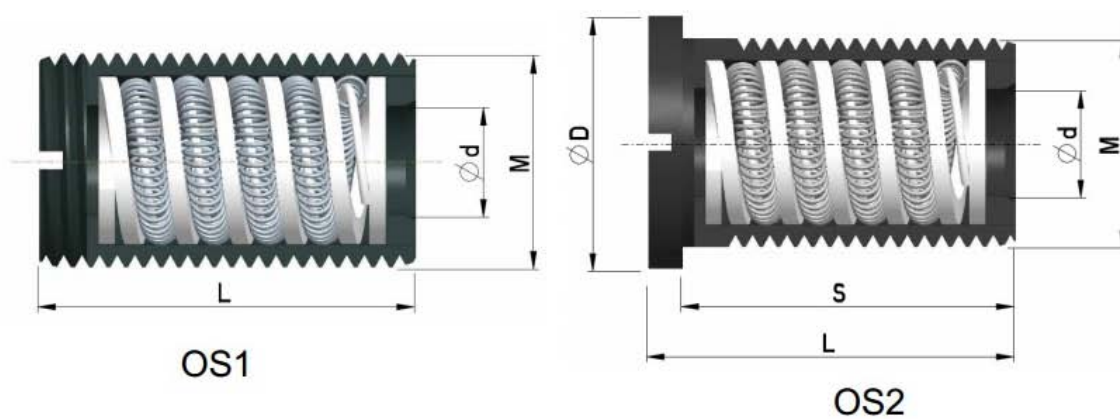
- Socket
- Solder
- Thread screw



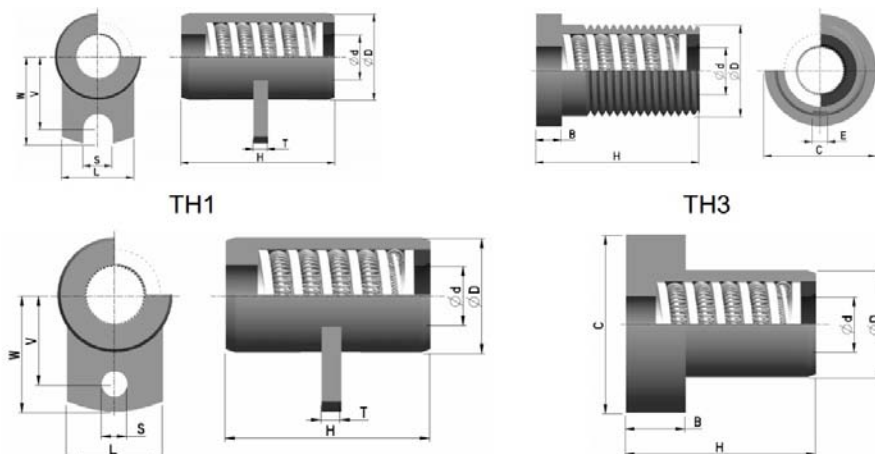
- Socket
- Crimp



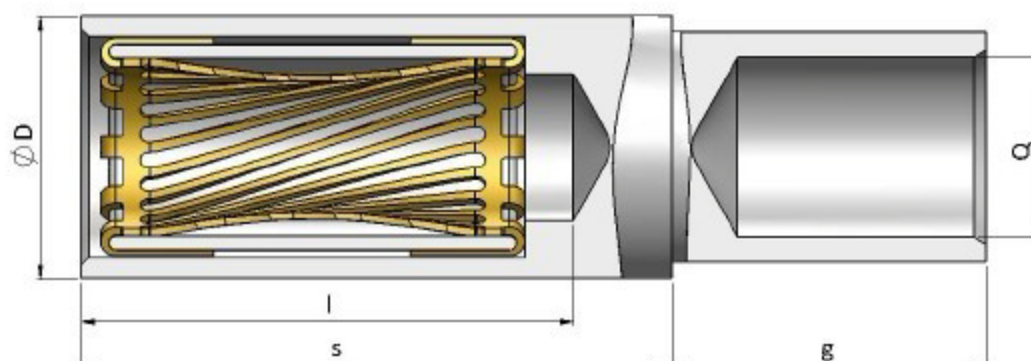
- Socket
- Thread screw



- Socket
- Screw hole

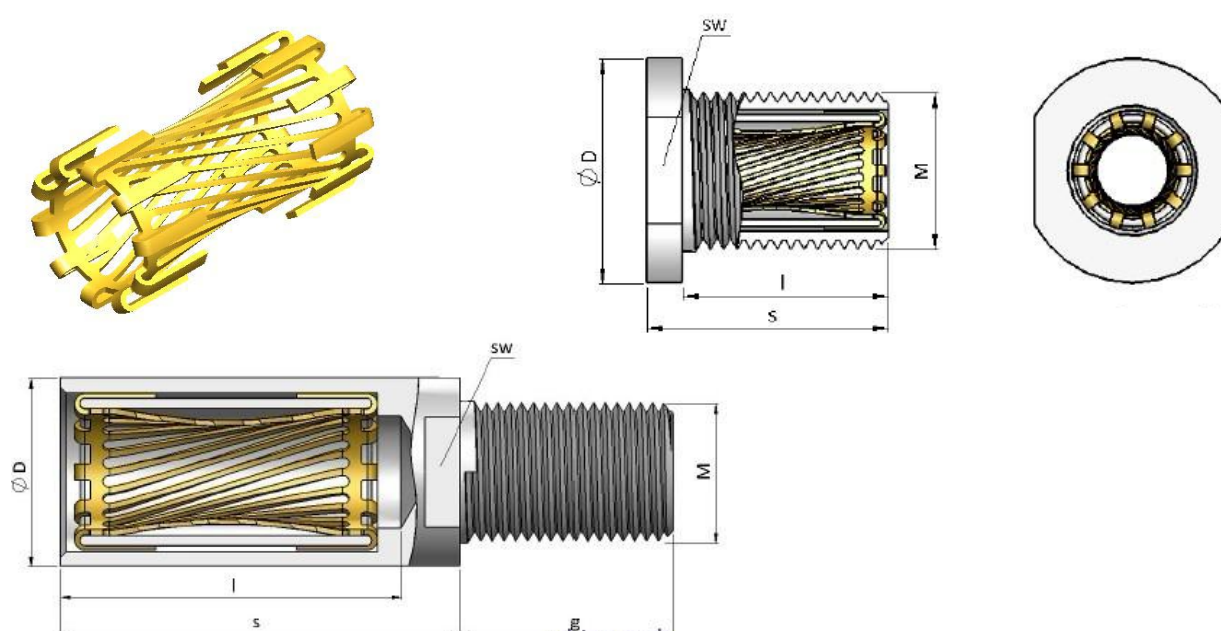


JAB New sok Sockets



Mechanical and Electrical data

Part number	Size (mm)						mechanical	Electrcical	
	$\varnothing d$	$\varnothing D$	l	s	g	Q (mm ²)	insertion force (N)	current (A)	resistance ($\mu\Omega$)
HPC6S-CR16	6	10	18.5	22	17	16	20	80	200
HPC6S-CR25	6	10	18.5	22	17	25	20	120	200
HPC8S-CR35	8	14	24.5	28	19	35	25	150	150
HPC8S-CR50	8	14	24.5	28	19	50	25	200	150
HPC10.3S-CR70	10.3	17	30	35	25	70	30	250	100
HPC10.3S-CR95	10.3	17	30	35	35	95	30	300	100
HPC12S-CR120	12	19.5	29	35	35	120	40	400	80

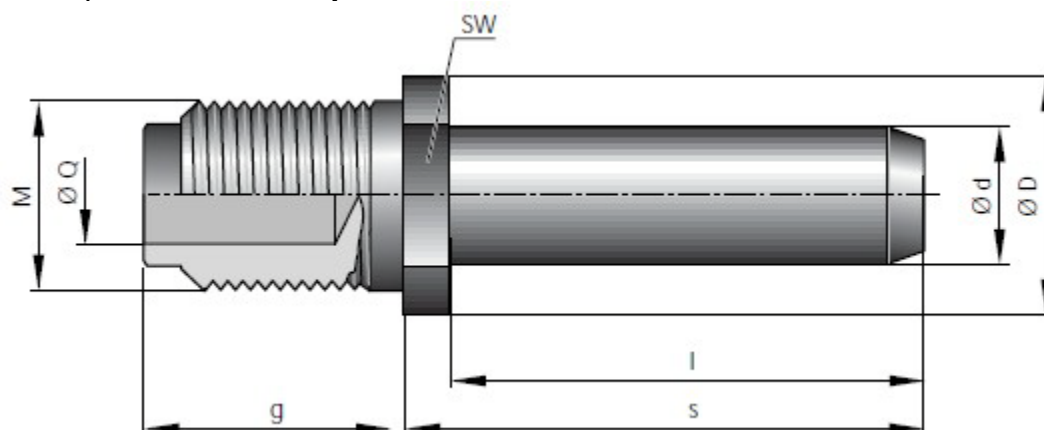


JAB twsited strip Sockets



JAB High current pin

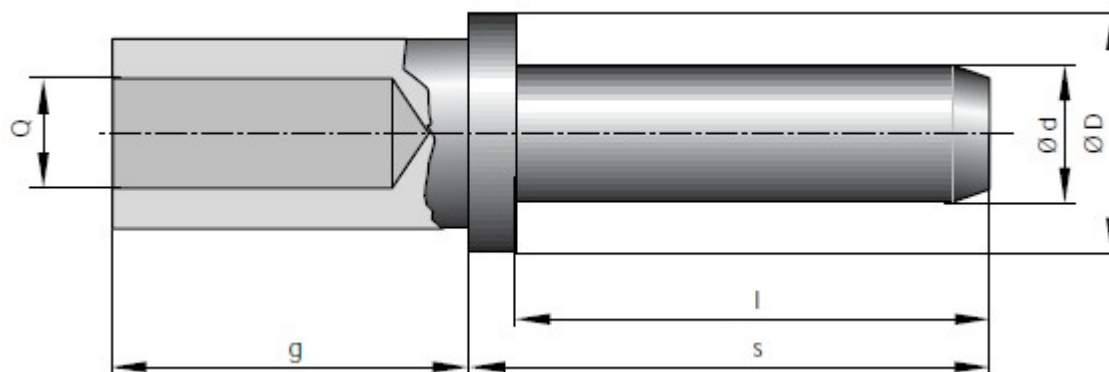
-Solder, Thread screw pin



Part Number	Dimensions								
	Ø d	Tolerance	Ø D	l	s	SW	g	M (Thread M ...)	Ø Q
for Standard Parts									
181.106.000.301.000	1,5	-0,03	4	10	11,5	3	10	2,6	1,25
181.107.000.301.000	2	-0,03	5	10	11,5	4	12,5	3	1,8
181.109.000.301.000	2,5	-0,03	5	10	11,5	4	12,5	3	1,8
181.110.000.301.000	3	-0,03	6	14	15,5	5	15	4	2,3
181.111.000.301.000	4	-0,03	7	14	16	6	19	5	3
181.112.000.301.000	5	-0,03	7	14	16	6	19	5	3
181.113.000.301.000	6	-0,03	8	23	26	7	22	6	3,6
181.213.000.301.000	6	-0,03	11	23	26	8	22	8	4,8
181.115.000.301.000	8	-0,03	11	23	26	9	26	8	4,8
181.215.000.301.000	8	-0,03	14	23	26	11	26	10	6,2
181.117.000.301.000	10	-0,04	14	23	26	12	30	10	6,2
181.217.000.301.000	10	-0,04	16	23	26	12	30	12x1,5	7,6
181.119.000.301.000	12	-0,04	16	34	38	14	34	12x1,5	7,6
181.120.000.301.000	14	-0,04	18	34	38	16	38	14x1,5	9
181.121.000.301.000	16	-0,04	20	34	38	17	42	16x1,5	11,5
181.122.000.301.000	18	-0,04	23	46	50	19	46	18x1,5	12,8
181.123.000.301.000	20	-0,04	25	46	51	22	50	20x2	14,5
181.124.000.301.000	22	-0,04	30	46	51	27	54	22x2	16
181.125.000.301.000	24	-0,04	30	46	51	27	58	24x2	17,8
181.126.000.301.000	26	-0,04	34	46	51	32	62	27x2	20
181.127.000.301.000	28	-0,04	36	46	52	32	62	32x2	25
181.128.000.301.000	30	-0,04	38	46	52	32	62	32x2	25

JAB High current pin

-Crimp terminal pin



Part Number	Dimensions						Part No. Crimp Tools
for Standard Parts	$\varnothing d$	$\varnothing D$	l	s	g	Q (Termination Cross-Section mm ²)	
181.603.000.301.000	0,76	1,57	7	8,5	5	0,38	See Table Page 28
181.604.000.301.000	1,02	2,1	7	8,5	5	0,5	
181.606.000.301.000	1,5	4	10	11,5	6,5	1,5	
181.607.000.301.000	2	4	10	11,5	6,5	2,5	
181.609.000.301.000	2,5	6	10	11,5	6,5	2,5	
181.610.000.301.000	3	7	14	16	6,5	4	
181.611.000.301.000	4	8	14	16	12,5	6	
181.612.000.301.000	5	9	14	16	17,5	10	
181.613.000.301.000	6	11	23	26	22,5	16	
181.713.000.301.000	6	11	23	26	22,5	25	
181.615.000.301.000	8	14	23	26	22,5	25	
181.715.000.301.000	8	14	23	26	22,5	35	
181.617.000.301.000	10	16	23	26	22,5	35	
181.717.000.301.000	10	16	23	26	22,5	50	
181.619.000.301.000	12	18	34	38	28	50	
181.620.000.301.000	14	21	34	38	28	70	
181.621.000.301.000	16	23	34	38	28	95	
181.622.000.301.000	18	25	46	51	34	120	
181.623.000.301.000	20	27	46	51	34	150	
181.624.000.301.000	22	30	46	51	34	185	
181.625.000.301.000	24	32	46	51	54	240	
181.626.000.301.000	26	34	46	51	64	300	
181.627.000.301.000	28	40	46	51	69	400	
181.628.000.301.000	30	42	46	—	69	500	