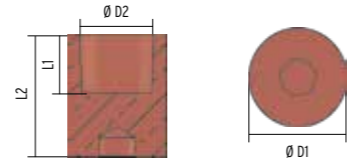


TOP ELECTRODES

WELDING

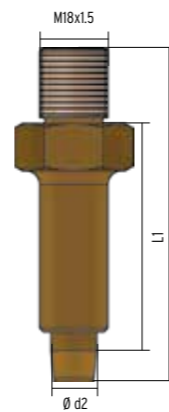
Caps



Ø D1 (in mm)	(mm)			Item No.	
	Ø D2	L2	L1	For nut	1111-ZK-
13.0	10.0	18.0	8.0	M6	30000
13.0	10.0	18.0	8.0	M8	30001
13.0	10.0	18.0	8.0	M10	30002
16.0	12.0	20.0	9.5	M6	30003
16.0	12.0	20.0	9.5	M8	30004
16.0	12.0	20.0	9.5	M10	30005
16.0	12.0	20.0	9.5	M12	30006
20.0	15.0	22.0	11.5	M6	30007
20.0	15.0	22.0	11.5	M8	30008
20.0	15.0	22.0	11.5	M10	30009
20.0	15.0	22.0	11.5	M12	30010

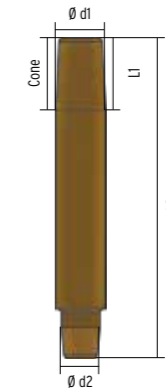
Screw shafts with through-hole Ø 16 mm caps

Length L2 (in mm)	(mm)			Item No.
	L1	Ø d2	1111-ZK-	
48	20	12	31018	
58	30	12	31019	
68	40	12	31020	
78	50	12	31021	
88	60	12	31022	
98	70	12	31023	
108	80	12	31024	
118	90	12	31025	
128	100	12	31026	
138	110	12	31027	
148	120	12	31028	
158	130	12	31029	
168	140	12	31030	
178	150	12	31031	



Cone shafts with through-hole

Length L2 (in mm)	(mm)		(mm)		Item No.
	L1	Cone	Ø d1	Ø d2	1111-ZK-
36.0	16	1:10	13	10	31000
44.5	16	1:10	13	10	31001
54.5	16	1:10	13	10	31002
67.5	16	1:10	13	10	31003
84.5	16	1:10	13	10	31004
104.5	16	1:10	13	10	31005
129.5	16	1:10	13	10	31006
48.0	20	1:10	16	12	31007
58.0	20	1:10	16	12	31008
71.0	20	1:10	16	12	31009
88.0	20	1:10	16	12	31010
108	20	1:10	16	12	31011
133	20	1:10	16	12	31012
168	20	1:10	16	12	31013
53.5	15	MK1	12.5	10	31014
73.5	15	MK1	12.5	10	31015
56.0	18	MK2	-	12	31016
76.0	18	MK2	-	12	31017



Screw shafts with through-hole Ø 20 mm caps

Length L2 (in mm)	(mm)			Item No.
	L1	Ø d2	1111-ZK-	
50	20	15	31032	
60	30	15	31033	
70	40	15	31034	
80	50	15	31035	
90	60	15	31036	
100	70	15	31037	
110	80	15	31038	
120	90	15	31039	
130	100	15	31040	
140	110	15	31041	
150	120	15	31042	
160	130	15	31043	
170	140	15	31044	
180	150	15	31045	

