

# STUDS M4 TO M12

## AIR-COOLED

Item number example for a complete electrode



For threaded studs > M4



Change electrode SW 24 > 1111-ZK-13000



Centring sleeve, Volcera > 8440-ZK-13000



DOGLAS insert > 1115-ZK-12000



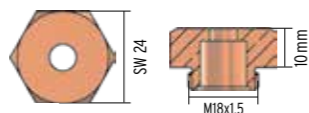
O-ring for stud insert > 1123-ZK-16437



Base electrode M18x1.5 > 1111-ZK-10562

### M4, M5, M6

#### Change electrodes



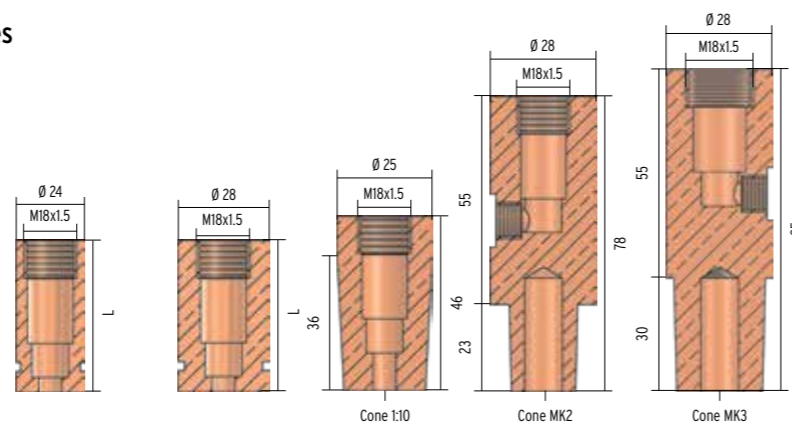
Screw thread	Item No.	1111-ZK-
M4	13000	
M5	13001	
M6	13002	

#### Centring sleeves

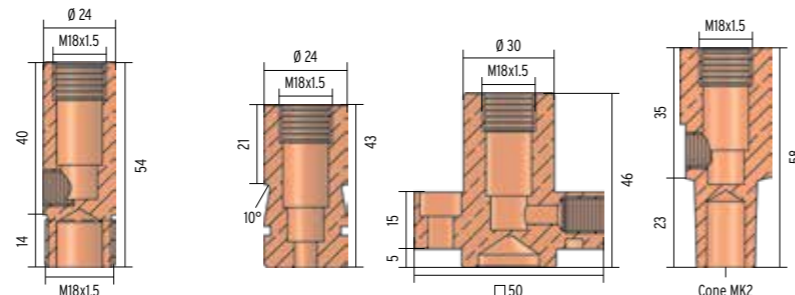


Screw thread	Item No.	8440-ZK-	8210-ZK-
M4	13000	13000	
M5	13001	13001	
M6	13002	13002	

#### Base electrodes



Length (L in mm)	Standard Ø 24		Standard Ø 28		Cone 1:10		Cone MK2		Cone MK3	
	Item No.	1111-ZK-	Item No.	1111-ZK-	Item No.	1111-ZK-	Item No.	1111-ZK-	Item No.	1111-ZK-
40	10512		10515		-		-		-	
50	10513		10516		-		-		-	
60	10514		10517		-		-		-	
	-		-		10582		10542		10543	



	Thread M18x1.5	S-type	R-type	T-type
Item No.	1111-ZK-10562	1111-ZK-10682	1111-ZK-10616	1111-ZK-10642

#### Accessories

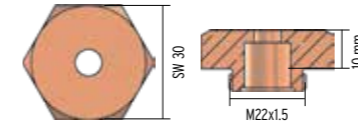
##### DOGLAS insulating insert



Ø D (mm)	M4		M5		M6		M8		M10		M12	
	Item No.	1115-ZK-	Item No.	1115-ZK-	Item No.	1115-ZK-	Item No.	1115-ZK-	Item No.	1115-ZK-	Item No.	1115-ZK-
13.8	12000		12001		12002		-		-		-	
18.8	-		-		-		12003		12004		12005	

### M8, M10, M12

#### Change electrodes



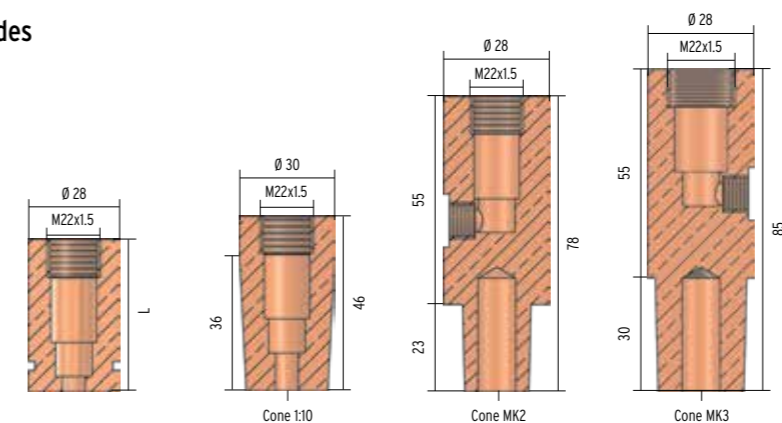
Screw thread	Item No.	1111-ZK-
M8	13003	
M10	13004	
M12	13005	

#### Centring sleeves

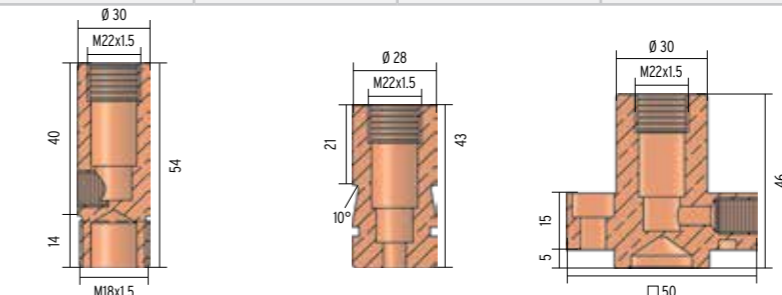


Screw thread	Item No.	8440-ZK-	8210-ZK-
M8	13003	13003	
M10	13004	13004	
M12	13005	13005	

#### Base electrodes



Length (L in mm)	Standard Ø 28		Cone 1:10		Cone MK2		Cone MK3	
	Item No.	1111-ZK-	Item No.	1111-ZK-	Item No.	1111-ZK-	Item No.	1111-ZK-
40	10521		-		-		-	
50	10522		-		-		-	
60	10523		-		-		-	
	-		10584		10546		10547	



	Thread M18x1.5	S-type	R-type
Item No.	1111-ZK-10564	1111-ZK-10684	1111-ZK-10622

#### Compressed air connector

##### Compressed air connector 1/8-6

Item No.	1116-ZK-
	12353

#### O-rings for base electrode

O-rings for base electrodes	
Ø (mm)	Item No.
24	1123-ZK-16435
28	1123-ZK-16436

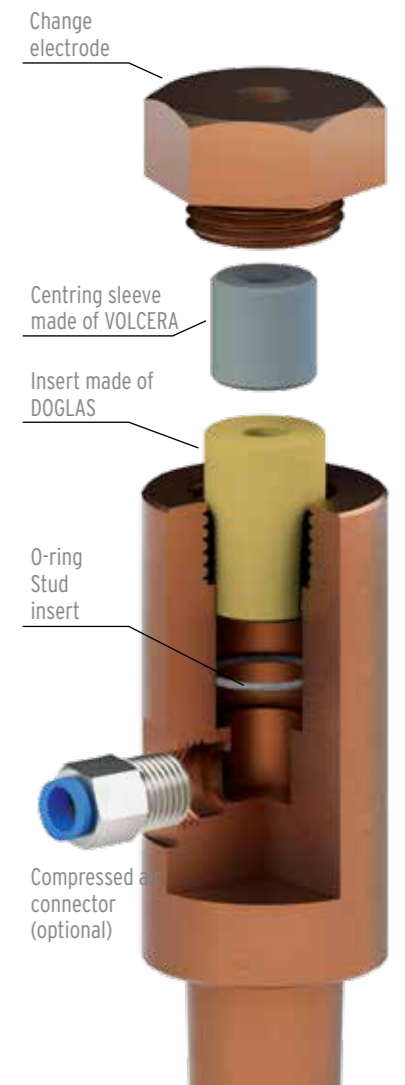
#### O-rings for stud insert

##### O-rings for stud insert

Ø (mm)	Item No.
M4 to M6	1123-ZK-16437
M8 to M12	1123-ZK-16438



Perfect stud and sheet centring with a sleeve made of VOLCERA



Air-cooled complete electrode for stud welding