

**SuperArc:** Precision ground tungsten for repeatable high-quality orbital welds. Reduce your costs by using disposable tungsten because manual sharpening costs time and money. Standard quality WC 20 to DIN EN ISO 6848.

**Sizes for all ORBITEC weld heads depending on the tube outer diameter**

Ø	Length	Ø Tip Diameter	Grinding
1,0 mm	All lengths available	0.1mm	18°
1.6mm	All lengths available	0.2mm	18°
2.4mm	All lengths available	0.4mm	30°

**TUNGSTEN SUPERARC Ø 1,0MM** NEW!  
**TUNGSTEN SUPERARC Ø 1.6MM**  
**TUNGSTEN SUPERARC Ø 2.4MM**



**1.2.0202** + Length  
**1.2.0200** + Length  
**1.2.0201** + Length

WELD HEAD		OSK 13 S*		OSK 21 C/CS		OSK 38 C/CS		OSK 53 S/SW		OSK 76 S/SW		OSK 115 S/SW	
Tube OD Ø		Tungsten length											
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
3.17	0.125	14	0.551	26	1.024	40	1.575						
6.00	0.236	12	0.472	25	0.984	39	1.535	48	1.889				
6.35	0.250	12	0.472	25	0.984	39	1.535	47	1.850				
8.00	0.315	11	0.433	24	0.945	38	1.496	47	1.850				
9.53	0.375	10	0.394	23	0.906	37	1.457	46	1.811	62	2.441	82	3.228
10.00	0.394	10	0.392	23	0.906	37	1.457	46	1.811	62	2.441	82	3.228
10.20	0.402	10	0.392	22	0.866	36	1.417	45	1.771	61	2.402	81	3.189
12.00	0.472	9	0.354	22	0.866	36	1.417	45	1.771	61	2.402	81	3.189
12.70	0.500	9	0.354	21	0.827	35	1.378	44	1.732	60	2.362	80	3.150
13.00	0.512			21	0.827	35	1.378	44	1.732	60	2.362	80	3.150
13.50	0.531			21	0.827	35	1.378	44	1.732	60	2.362	80	3.150
15.88	0.625			20	0.787	34	1.339	43	1.692	59	2.323	79	3.110
16.00	0.630			20	0.787	34	1.339	43	1.692	59	2.323	79	3.110
17.20	0.677			19	0.748	33	1.299	42	1.653	58	2.283	78	3.071
18.00	0.709			18	0.709	32	1.260	41	1.614	57	2.244	77	3.031
19.00	0.748			17	0.669	31	1.220	40	1.574	56	2.205	76	2.992
19.05	0.750			17	0.669	31	1.220	40	1.574	56	2.205	76	2.992
20.00	0.787			17	0.669	31	1.220	40	1.574	56	2.205	76	2.992
21.30	0.839			16	0.630	30	1.181	39	1.535	55	2.165	75	2.953
22.00	0.866					30	1.181	39	1.535	55	2.165	75	2.953
23.00	0.906					29	1.142	38	1.496	54	2.126	74	2.913
25.40	1.000					28	1.102	37	1.456	53	2.087	73	2.874
26.90	1.059					27	1.063	36	1.417	52	2.047	72	2.835
28.00	1.102					27	1.063	36	1.417	52	2.047	72	2.835
29.00	1.142					26	1.024	35	1.377	51	2.008	71	2.795
30.00	1.181					26	1.024	35	1.377	51	2.008	71	2.795
33.70	1.327					24	0.945	33	1.299	49	1.929	69	2.717
35.00	1.378					23	0.906	32	1.259	48	1.890	68	2.677
38.10	1.500					21	0.827	31	1.220	46	1.811	66	2.598
40.00	1.575							30	1.181	46	1.811	66	2.598
41.00	1.614							29	1.141	45	1.772	65	2.559
42.40	1.669							28	1.102	44	1.732	64	2.520
44.50	1.752							27	1.062	43	1.693	63	2.480
48.30	1.902							25	0.984	41	1.614	61	2.402
50.80	2.000							24	0.944	40	1.575	60	2.362
51.00	2.008							24	0.944	40	1.575	60	2.362
52.00	2.047							24	0.944	40	1.575	60	2.362
53.00	2.087							23	0.905	39	1.535	59	2.323
54.00	2.126									39	1.535	59	2.323
60.30	2.374									35	1.378	55	2.165
63.50	2.500									34	1.339	54	2.126
70.00	2.756									31	1.220	51	2.008
76.10	2.996									27	1.063	47	1.850
76.20	3.000									27	1.063	47	1.850
85.00	3.346											43	1.693
88.90	3.500											41	1.614
101.60	4.000											35	1.378
104.00	4.094											34	1.339
108.00	4.252											32	1.260
114.30	4.500											28	1.102

**Tungsten lengths for:**

open-frame weld heads OSW 40:	20 – 35mm		0.787" – 1.378"
open-frame weld heads OSW 80 – 170, OSZ:	35 – 50mm		1.378" – 1.968"
tube-to-tube-sheet weld heads RBK:	35 – 46mm		1.378" – 1.811"

\* For the OSK 13S are just diameter 1.0mm tungsten applicable.

Non-Standard length are available on request.