



Tungsten (500-2000)

Pre-ground Tips

ELECTRODE SELECTOR FOR INCH (O.D.) TUBE AND IPS PIPE SIZES

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-500	1/8" ABW/ATW	.020/.035	TC04-0584-02	.030
	1/4" ABW/ATW	.028/.049	TC04-0506-02	.045
	1/4" ABW/ATW	.028/.049	TC04-0444-02	.045
	.125	.020/.035	TC04-0611-01	.020
	.250	.020/.035	TC04-0539-02	.030
	.250	.049/.065	TC04-0524-02	.045
	.375	.022/.035	TC04-0476-02	.030
	.375	.049/.065	TC04-0461-02	.045
	.500	.022/.035	TC04-0414-02	.030
	.500	.049/.065	TC04-0399-02	.045

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-750	1/8" ABW/ATW	.020/.035	TC04-0890-02	.030
	1/4" ABW/ATW	.028/.049	TC06-0860-03	.050
	3/8" ABW/ATW	.028/.049	TC06-0745-03	.050
	1/2" ABW/ATW	.028/.065	TC06-0677-03	.050
	5/8" ABW/ATW	.028/.065	TC06-0612-03	.050
	3/4" ABW/ATW	.028/.065	TC06-0546-03	.050
	3/4" ABW/ATW	.072/.095	TC06-0526-04	.070
	.125	.020/.035	TC04-0917-01	.020
	.250	.022/.035	TC06-0845-02	.030
	.250	.049/.065	TC06-0825-03	.050
	.375	.022/.035	TC06-0782-02	.030
	.375	.059/.065	TC06-0762-03	.050
	.500	.022/.035	TC06-0720-02	.030
	.500	.049/.083	TC06-0700-03	.050
	.500	.095/.120	TC06-0680-04	.070
	.540 1/4" PIPE	5-10	TC06-0680-03	.050
	.540 1/4" PIPE	40	TC06-0660-04	.070
	.625	.022/.035	TC06-0657-02	.030
	.625	.049/.083	TC06-0637-03	.050
	.675 1/4" PIPE	5-10	TC06-0612-03	.050
	.675 1/4" PIPE	40	TC06-0592-04	.070
	.750	.022/.035	TC06-0595-02	.030
	.750	.049/.083	TC06-0575-03	.050
	.750	.095/.120	TC06-0555-04	.070
	.840 1/2" PIPE	5-10	TC06-0530-03	.050

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-1500	.250	.022/.035	TC06-1438-02	.030
	.250	.049/.065	TC06-1418-03	.050
	.375	.022/.035	TC06-1376-02	.030
	.375	.049/.065	TC06-1356-03	.050
	.500	.022/.035	TC06-1313-02	.030
	.500	.049/.083	TC06-1293-03	.050
	.500	.095/.120	TC09-1273-04	.070
	.540 1/4" PIPE	5-40	TC06-1273-03	.050
	.625	.022/.035	TC06-1251-02	.030
	.625	.049/.083	TC06-1231-03	.050
	.675 5/8" PIPE	5-10	TC06-1206-03	.050
	.675 5/8" PIPE	40	TC09-1186-04	.070
	.750	.022/.035	TC06-1188-02	.030
	.750	.049/.083	TC06-1168-03	.050
	.750	.095/.120	TC09-1148-04	.070
	.840 1/2" PIPE	5-10	TC06-1123-03	.050
	.840 1/2" PIPE	40	TC09-1103-04	.070
	1.000	.049/.083	TC06-1043-03	.050
	1.000	.095/.120	TC09-1023-04	.070
	1.050 3/4" PIPE	5-10	TC06-1018-03	.050
	1.050 3/4" PIPE	10-40	TC09-0866-04	.070
	1.250	.049/.083	TC06-0918-03	.050
	1.315 1" PIPE	5	TC06-0886-03	.050
	1.315 1" PIPE	10-40	TC09-0866-04	.070
	1.500	.049/.083	TC06-0793-03	.050
	1.500	.095/.120	TC09-0773-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9E-1500	.250	.022/.035	TC06-1188-02	.030
	.250	.049/.065	TC06-1168-03	.050
	.375	.022/.035	TC06-1125-02	.030
	.375	.049/.065	TC06-1105-03	.050
	.500	.022/.035	TC06-1063-02	.030
	.500	.049/.083	TC06-1043-03	.050
	.500	.095/.120	TC09-1023-04	.070
	.540 1/4" PIPE	5-40	TC06-1023-03	.050
	.625	.022/.035	TC06-1001-02	.030
	.625	.049/.083	TC06-0981-03	.050
	.675 3/8" PIPE	5-10	TC06-0956-03	.050
	.675 3/8" PIPE	40	TC09-0936-04	.070
	.750	.028/.035	TC06-0938-02	.030
	.750	.049/.083	TC06-0918-03	.050
	.750	.095/.120	TC09-0898-04	.070
	.840 1/2" PIPE	5-10	TC06-0873-03	.050
	.840 1/2" PIPE	40	TC09-0853-04	.070
	1.000	.049/.083	TC06-0793-03	.050
	1.000	.095/.120	TC09-0773-04	.070
	1.050 3/4" PIPE	5-10	TC06-0768-03	.050
	1.050 3/4" PIPE	40	TC09-0748-04	.070
	1.250	.049/.083	TC06-0668-03	.050
	1.315 1" PIPE	5	TC06-0638-03	.050
	1.315 1" PIPE	10-40	TC09-0616-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
8-2000	.500	.022/.035	TC06-1446-02	.030
	.500	.049/.083	TC06-1426-03	.050
	.500	.095/.120	TC09-1406-04	.070
	.540 1/4" PIPE	5-40	TC06-1406-03	.050
	.625	.028/.035	TC06-1383-03	.030
	.625	.049/.083	TC06-1363-03	.050
	.675 3/8" PIPE	5-10	TC06-1338-03	.050
	.675 3/8" PIPE	40	TC09-1318-04	.070
	.750	.049/.083	TC06-1301-03	.050
	.750	.095/.120	TC09-1281-04	.070
	.840 1/2" PIPE	5-10	TC06-1256-03	.050
	.840 1/2" PIPE	40	TC09-1236-04	.070
	1.000	.049/.083	TC06-1176-03	.050
	1.000	.095/.120	TC09-1156-04	.070
	1.050 3/4" PIPE	5-10	TC06-1151-03	.050
	1.050 3/4" PIPE	40	TC09-1131-04	.070
	1.250	.049/.083	TC06-1051-03	.050
	1.315 1" PIPE	5	TC06-1018-03	.050
	1.315 1" PIPE	10-40	TC09-0998-04	.070
	1.500	.049/.083	TC06-0926-03	.050
	1.500	.095/.120	TC09-0906-03	.070
	1.660 1-1/4" PIPE	5	TC06-0846-03	.050
	1.660 1-1/4" PIPE	10-40	TC09-0826-04	.070
	1.900 1-1/2" PIPE	5	TC06-0726-03	.050
	1.900 1-1/2" PIPE	10-40	TC09-0706-04	.070
	2.000	.049/.083	TC06-0676-03	.050
	2.000	.095/.120	TC09-0656-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-2500	.750	.049/.083	TC06-1765-03	.050
	.750	.095/.120	TC09-1745-04	.070
	.840 1/2" PIPE	5-10	TC06-1720-03	.050
	.840 1/2" PIPE	40	TC09-1700-04	.070
	1.000	.049/.083	TC06-1640-03	.050
	1.000	.095/.120	TC09-1620-04	.070
	1.050 3/4" PIPE	5-10	TC06-1615-03	.050
	1.050 3/4" PIPE	40	TC09-1595-04	.070
	1.250	.049/.083	TC06-1515-03	.050
	1.315 1" PIPE	5	TC06-1482-03	.050
	1.315 1" PIPE	10-40	TC09-1462-04	.070

Tungsten (2500-7500)

Pre-ground Tips

ELECTRODE SELECTOR FOR INCH (O.D.) TUBE AND IPS PIPE SIZES

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-2500	1.500	.049/.083	TC06-1390-03	.050
	1.500	.095/.120	TC09-1370-04	.070
	1.660 1-1/4" PIPE	5	TC06-1310-03	.050
	1.660 1-1/4" PIPE	10-40	TC09-1290-04	.070
	1.900 1-1/2" PIPE	5	TC06-1190-03	.050
	1.900 1-1/2" PIPE	10-40	TC09-1170-04	.070
	2.000	.049/.083	TC06-1140-03	.050
	2.000	.095/.120	TC09-1120-04	.070
	2.375 2" PIPE	5	TC06-0952-03	.050
	2.375 2" PIPE	10-40	TC09-0932-04	.070
	2.500	.049/.083	TC06-0870-03	.070
	2.500	.095/.120	TC09-0870-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-3500	1.000	.049/.083	TC06-2140-03	.050
	1.000	.095/.120	TC09-2120-04	.070
	1.050 3/4" PIPE	5-10	TC06-2115-03	.050
	1.050 3/4" PIPE	40	TC09-2095-04	.070
	1.315 1" PIPE	5	TC06-1982-03	.050
	1.315 1" PIPE	10-40	TC09-1962-04	.070
	1.500	.049/.083	TC06-1890-03	.050
	1.500	.095/.120	TC09-1870-04	.070
	1.660 1-1/4" PIPE	5	TC06-1690-03	.050
	1.660 1-1/4" PIPE	10-40	TC09-1790-04	.070
	1.900 1-1/2" PIPE	5	TC06-1690-03	.050
	1.900 1-1/2" PIPE	10-40	TC09-1670-04	.070
	2.000	.049/.083	TC06-1640-03	.050
	2.000	.095/.120	TC09-1620-04	.070
	2.375 2" PIPE	5	TC06-1452-03	.050
	2.375 2" PIPE	10	TC09-1432-04	.070
	2.500	2.065/.083	TC06-1370-03	.070
	2.500	.095/.120	TC09-1370-04	.070
	2.875 2-1/2" PIPE	5	TC06-1182-03	.070
	2.875 2-1/2" PIPE	10	TC09-1182-04	.070
	3.000	.065/.083	TC06-1120-03	.070
	3.000	.095/.120	TC09-1120-04	.070
	3.500	.065/.083	TC06-0870-03	.070
	3.500	.095/.120	TC09-0870-04	.070
	3.500 3" PIPE	5-10	TC09-0870-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
8-4000	1.000	.049/.083	TC06-2105-03	.050
	1.000	.095/.120	TC09-2085-04	.070
	1.050 3/4" PIPE	5-10	TC06-2080-03	.050
	1.050 3/4" PIPE	40	TC09-2060-04	.070
	1.315 1" PIPE	5	TC06-1947-03	.050
	1.315 1" PIPE	10-40	TC09-1927-04	.070
	1.500	.049/.083	TC06-1855-03	.050
	1.500	.095/.120	TC09-1835-04	.070
	1.660 1-1/4" PIPE	5	TC06-1775-03	.050
	1.660 1-1/4" PIPE	10-40	TC09-1755-04	.070
	1.900 1-1/2" PIPE	5	TC06-1655-03	.050
	1.900 1-1/2" PIPE	10-40	TC09-1635-04	.070
	2.000	.049/.083	TC06-1605-03	.050
	2.000	.095/.120	TC09-1585-04	.070
	2.375 2" PIPE	5	TC06-1417-03	.050
	2.375 2" PIPE	10-40	TC09-1397-03	.070
	2.500	.065/.083	TC06-1335-03	.070
	2.500	.095/.120	TC09-1335-04	.070
	2.875 2-1/2" PIPE	5	TC06-1147-03	.070
	2.875 2-1/2" PIPE	10	TC09-1147-04	.070
	3.000	.065/.083	TC06-1085-03	.070
	3.000	.095/.120	TC09-1085-04	.070
	3.500 3" PIPE	5-10	TC09-0835-04	.070
	4.000	.065/.083	TC06-0585-03	.070
	4.000	.095/.120	TC09-0585-04	.070
	4.000 3-1/2" PIPE	5-10	TC09-0585-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-4500	1.500	.049/.083	TC06-2637-03	.050
	1.500	.095/.120	TC09-2617-04	.070
	1.660 1-1/4" PIPE	5	TC06-2557-03	.050
	1.660 1-1/4" PIPE	10-40	TC09-2537-04	.070
	1.900 1-1/2" PIPE	5	TC06-2437-03	.050
	1.900 1-1/2" PIPE	10-40	TC09-2417-04	.070
	2.000	.049/.083	TC06-2387-03	.050
	2.000	.095/.120	TC09-2367-04	.070
	2.375 2" PIPE	5	TC06-2200-03	.050
	2.375 2" PIPE	10-40	TC09-2180-04	.070
	2.500	.065/.083	TC06-2117-03	.070
	2.500	.095/.120	TC09-2117-04	.070
	2.875 2-1/2" PIPE	5	TC06-1910-03	.070
	2.875 2-1/2" PIPE	10	TC09-1910-04	.070
	3.000	.065/.083	TC06-1867-03	.070
	3.000	.095/.120	TC09-1867-04	.070
	3.500	.065/.083	TC06-1617-03	.070
	3.500	.095/.120	TC09-1617-04	.070
	3.500 3" PIPE	5	TC06-1617-03	.070
	3.500 3" PIPE	10	TC09-1617-04	.070
	4.000	.065/.083	TC06-1367-03	.070
	4.000	.095/.120	TC09-1367-04	.070
	4.000 3-1/2" PIPE	5	TC06-1367-03	.070
	4.000 3-1/2" PIPE	10	TC09-1367-04	.070
	4.500	.095/.120	TC09-1117-04	.070
	4.500 4" PIPE	5	TC06-1117-03	.070
	4.500 4" PIPE	10	TC09-1117-04	.070

WELD HEAD MODEL	TUBE O.D.	WALL THICKNESS	PART NUMBER	ARC GAP
9-7500	2.875 2-1/2" PIPE	5	TC06-3712-03	.070
	2.875 2-1/2" PIPE	10	TC09-3712-04	.070
	3.000	.065/.083	TC06-3650-03	.070
	3.000	.095/.120	TC09-3650-04	.070
	3.500	.065/.083	TC06-3400-03	.070
	3.500	.095/.120	TC09-3400-04	.070
	3.500 3" PIPE	5-10	TC09-3400-04	.070
	4.000	.065/.083	TC06-3150-03	.070
	4.000	.095/.120	TC09-3150-04	.070
	4.000 3-1/2" PIPE	5-10	TC09-3150-04	.070
	4.500	.083/.120	TC09-2990-04	.070
	4.500 4" PIPE	5-10	TC09-2990-04	.070
	5.000	.065/.083	TC06-2650-03	.070
	5.000	.095/.120	TC09-2650-04	.070
	5.563 5" PIPE	5-10	TC09-2368-04	.070
	6.000	.065/.083	TC06-2150-03	.070
	6.000	.095/.120	TC09-2150-04	.070
	6.625 6" PIPE	5-10	TC09-1837-04	.070
	7.000	.095/.120	TC09-1650-04	.070

Pre-ground Tips:

All pre-ground Tungstens are polished and must pass our demanding quality control process and we ship 2% ceriated unless otherwise specified. Most popular sizes are available in stock. Order sizes may be found from various manufacturers suggested length guides or by giving the weld head type, size, tube/pipe outside diameter and the tube/pipe wall thickness. Part numbers correspond to the type of Tungsten.

How to order pre-ground tips:

Diameter (A) Tip Diameter (C) Products

1. Need diameter of tungsten (A) 04.040(1mm) .020 C/Ceriated
2. Need length of tungsten (B) 06 1/16" (1.58mm) .030 T/Thoriated
3. Tip diameter of tungsten (C) 09 3/32 (2.38mm) .040
4. Material needed 12 1/2 .050

Example: TC06-1040-03 = 1/16 diameter 1.040 length with a .030 tip diameter, ceriated tungsten.