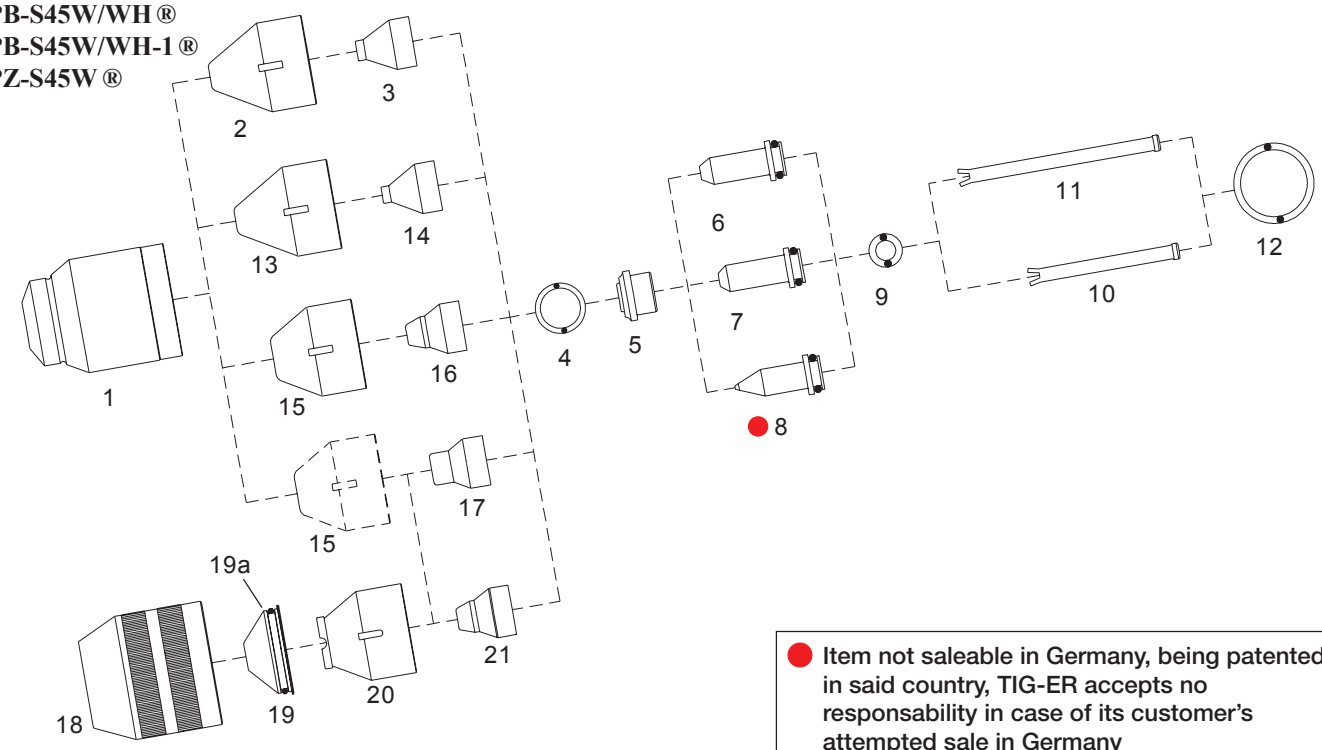
KJELLBERG ®

PA-S47CNC ® - FineFocus 450 ®
PB-S20W/WH ®
PB-S25W/WH ®
PB-S40W/WH ®
PB-S45W/WH ®
PB-S45W/WH-1 ®
PZ-S45W ®

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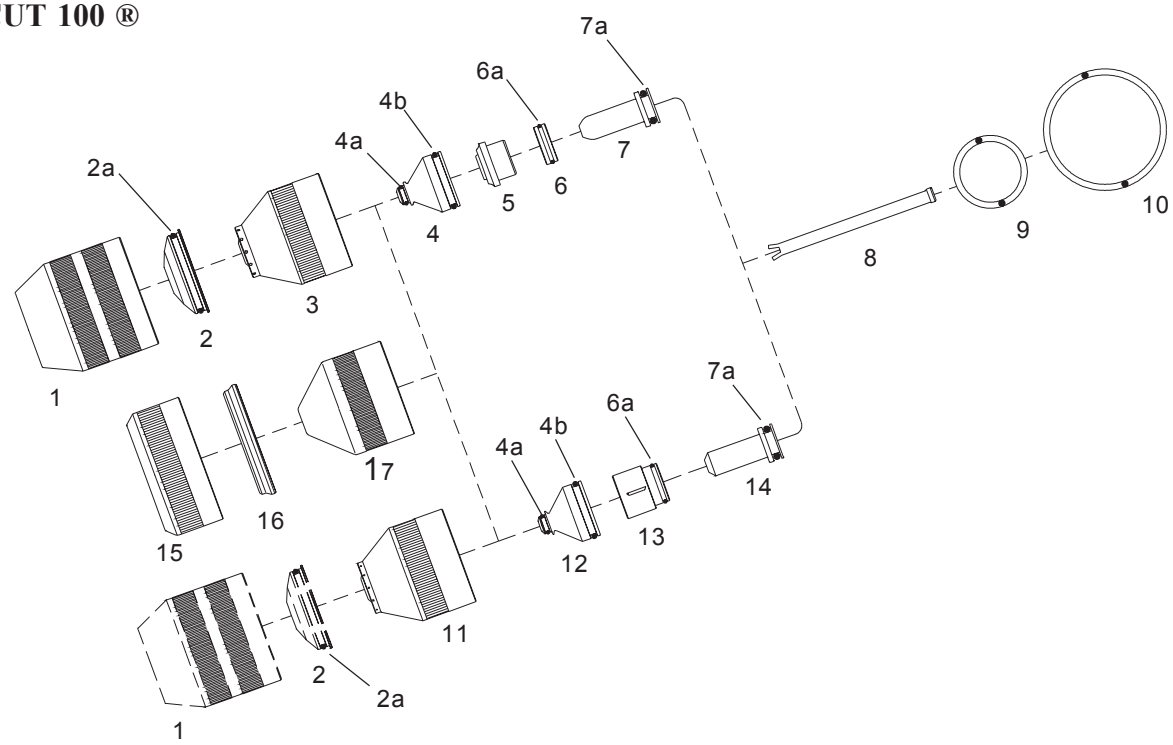


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Item	Ref.	Code	Description
1	.11.828.101.160	60359	Shield cup
2	.11.828.201.151	60358	Nozzle retaining cup ø 6.0
3	.11.828.201.413	51590	Nozzle Ld ø 1.3 , Air
	.11.828.201.414	51591	Nozzle Le ø 1.4 , Air
4	.10.575.036	60066.41	O-Ring 12x1.5 Silicone
5	.11.828.001.153	60066	Swirl ring
6	.11.828.001.3001	52705	Electrode Kb , Air **(XF)**
7	.11.834.321.3001	52708AG	Electrode Kb-Xl O2 - **Solid Silver** - (replaces 11.828.021.3001)
8	.11.828.211.500	52704W	● Electrode Ka Ar/H2 - **(XF)**
9	.10.505.827	20705.40	O-Ring 6x2 Silicone
10	.11.828.001.152	60366	Cooling tube
11	.11.832.201.152	60366B	Cooling tube
12	.10.575.052	60365.41	O-Ring 20x2 Silicone
13	.11.828.001.151	60365	Nozzle retaining cup ø 5.0
14	.11.828.001.410	51592	Nozzle Lb ø 1.0 , Air
	.11.828.001.413	51593	Nozzle Lc ø 1.3 , Air
15	.11.830.301.151	60357	Nozzle retaining cup ø 9.6
16	.11.828.203.410	51594	Nozzle Lle ø 1.0 , Air
	.11.828.203.413	51595	Nozzle Lde ø 1.3 , Air
	.11.828.203.414	51596	Nozzle Lee ø 1.4 , Air
17	.11.828.302.425	51597.25	Nozzle Lk ø 2.5 , Air
	.11.828.302.430	51597.30	Nozzle Ln ø 3.0 , Air
18	.11.832.201.081	60560	Shield Cup
19	.11.832.201.1571	60562	Shield ø 4.0
	.11.832.201.1561	60562.30	Shield ø 3.0
19a	.10.505.911	60562.41	O-Ring 22x1.5 Silicone
20	.11.832.201.160	60570	Nozzle retaining cup
21	.11.834.321.410	51656.10	Nozzle Lle-Xl ø 1.0 , O2 (replaces 11.828.223.410)
	.11.834.321.413	51657.13	Nozzle Lde-Xl ø 1.3 , O2 (replaces 11.828.223.413)
	.11.834.321.414	51657.14	Nozzle Lee-Xl ø 1.4 , O2 (replaces 11.828.223.414)

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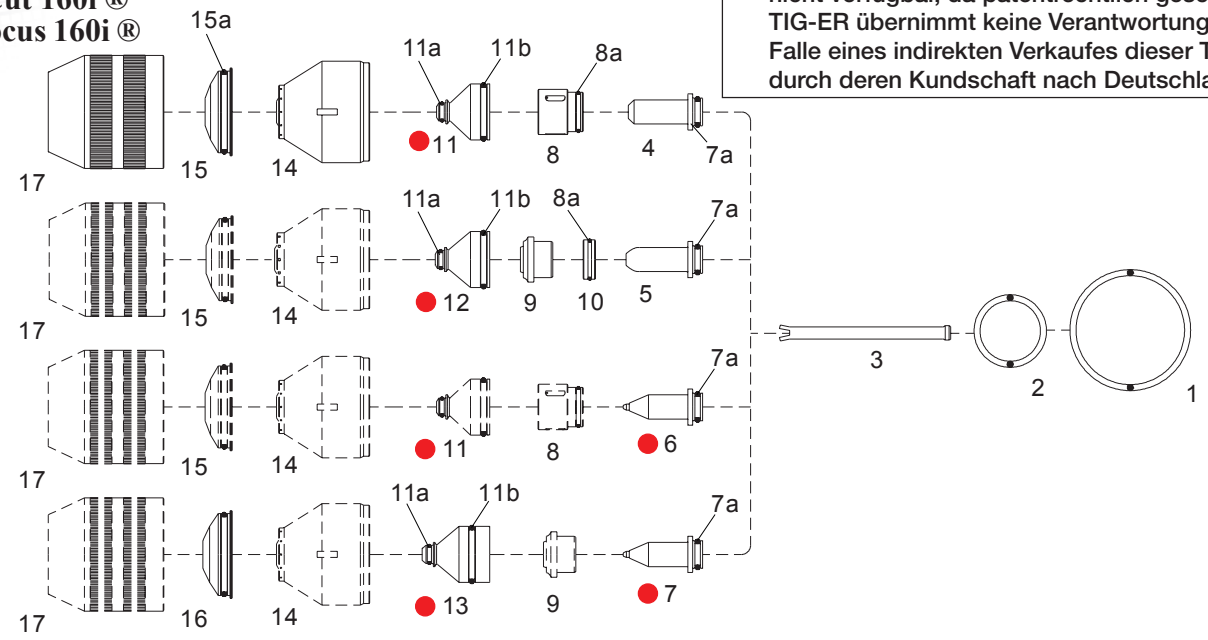
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PERCUT 100 ®



Item	Ref.	Code	Description
1	.11.835.201.081	60561	Shield Cup Z501
2	.11.835.201.1561	60565	Shield ø 1.5 Z4015
	.11.835.201.1571	60566	Shield ø 2.0 Z4020
	.11.835.201.1581	60566.25	Shield ø 2.5 Z4025
	.11.835.201.1591	60566.30	Shield ø 3.0 Z4030
	.11.835.401.1571	60567	Shield ø 4.0 Z4140
2a	.10.505.914	60565.41	O-Ring 24x1.5 Silicone
3	.11.835.201.162	60573	Nozzle retaining cup ø 0.8 Z3008
4	.11.835.221.406	51620.06	Nozzle ø 0.6 O2 Z2006 **(XF)**
	.11.835.221.407	51620.07	Nozzle ø 0.7 O2 Z2007 **(XF)**
	.11.835.221.408	51620.08	Nozzle ø 0.8 O2 Z2008 **(XF)**
	.11.835.221.409	51620.09	Nozzle ø 0.9 O2 Z2009 **(XF)**
	.11.835.221.410	51620.10	Nozzle ø 1.0 O2 Z2010 **(XF)**
	.11.835.221.411	51620.11	Nozzle ø 1.1 O2 Z2011 **(XF)**
	.11.835.221.412	51620.12	Nozzle ø 1.2 O2 Z2012 **(XF)**
4a	.10.505.820	20850.40	O-Ring 4x1 Silicone
4b	.10.505.885	51620.60	O-Ring 15x1.5 Silicone
5	.11.834.321.153	60066	Swirl ring Z111
6	.11.835.421.303	60064	Spacer ring
6a	.10.505.869	20608.41	O-Ring 10x1 Silicone
7	.11.835.421.3101	52707AG	Electrode O2 Xl Z012 - **Solid Silver**
7a	.10.505.827	20705.40	O-Ring 6x2 Silicone
8	.11.835.201.152	60366C	Cooling tube
9	.10.575.052	60365.41	O-Ring 20x2 Silicone
10	.10.505.946	60365.42	O-Ring 36x2 Silicone
11	.11.835.201.160	60572	Nozzle retaining cup ø 0.4 Z3004
12	.11.835.421.412	51621.12	Nozzle ø 1.2 O2 Z2112 **(XF)**
	.11.835.421.414	51621.14	Nozzle ø 1.4 O2 Z2114 **(XF)**
13	.11.835.221.153	60065	Swirl ring Z101
14	.11.835.221.3101	52706AG	Electrode O2 Xl Z002 - **Solid Silver**
15	.11.835.201.085	60575	Nozzle retaining cup
16	.11.835.201.086	60576	Insulator
17	.11.835.201.087	60577	Shield Cup

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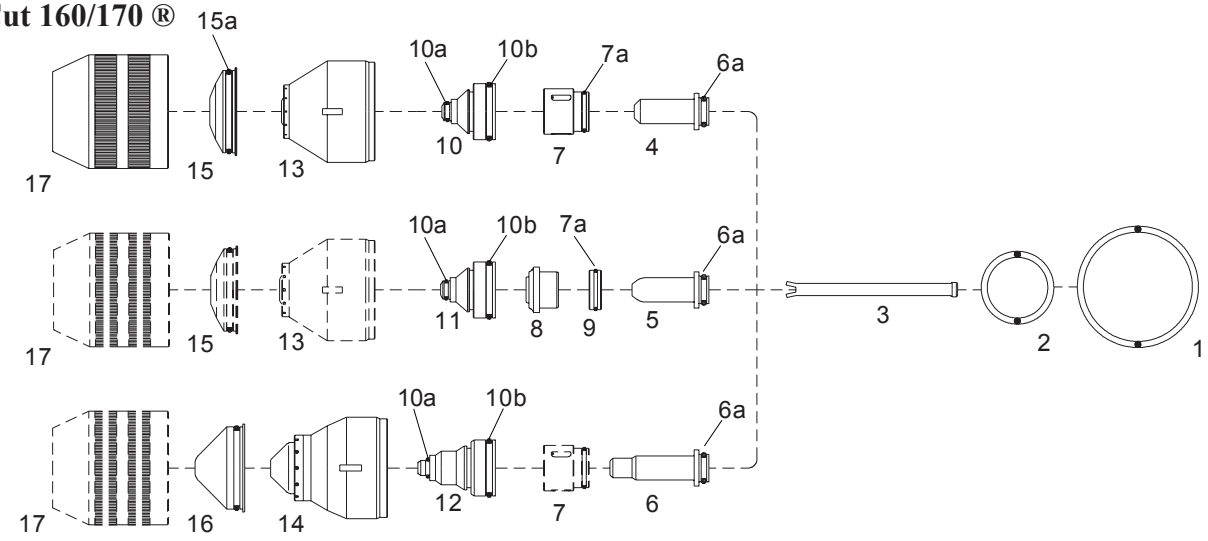


Item	Ref.	Code	Description
1	.10.505.946	60365.42	O-Ring 36x2 Silicone
2	.10.575.052	60365.41	O-Ring 20x2 Silicone
3	.11.842.401.152	60579	Cooling tube
4	.11.842.421.310	52711AG	Electrode O2 Xl S002 - **Solid Silver**
5	.11.842.521.310	52712AG	Electrode O2 Xl S012 - **Solid Silver**
6	.11.842.411.510	52713W	● Electrode A S042 **(XF)**
7	.11.842.511.510	52714W	● Electrode A S052 **(XF)**
7a	.10.505.827	20705.40	O-Ring 6x2 Silicone
8	.11.835.221.153	60065	Swirl ring Z101
	.11.835.221.154	60068	Swirl ring Z102
8a	.10.505.869	20608.41	O-Ring 10x1 Silicone
9	.11.834.321.153	60066	Swirl ring Z111
10	.11.835.421.303	60064	Spacer ring
11	.11.842.421.406	51622.06	● Nozzle ø 0.6 S2006 25A **(XF)**
	.11.842.421.407	51622.07	● Nozzle ø 0.7 S2007 35A **(XF)**
	.11.842.421.408	51622.08	● Nozzle ø 0.8 S2008 50A **(XF)**
	.11.842.421.409	51622.09	● Nozzle ø 0.9 S2009 70A **(XF)**
	.11.842.421.410	51622.10	● Nozzle ø 1.0 S2010 80A **(XF)**
	.11.842.421.411	51622.11	● Nozzle ø 1.1 S2011 90A **(XF)**
	.11.842.421.412	51622.12	● Nozzle ø 1.2 S2012 100A **(XF)**
	.11.842.421.414	51622.14	● Nozzle ø 1.4 S2014 130A **(XF)**
	.11.842.421.416	51622.16	● Nozzle ø 1.6 S2016 160A **(XF)**
11a	.10.505.820	20850.40	O-Ring 4x1 Silicone
11b	.10.505.885	51620.60	O-Ring 15x1.5 Silicone
12	.11.842.521.412	51623.12	● Nozzle ø 1.2 S2112 100A **(XF)**
	.11.842.521.414	51623.14	● Nozzle ø 1.4 S2114 130A **(XF)**
	.11.842.521.416	51623.16	● Nozzle ø 1.6 S2116 160A **(XF)**
13	.11.842.511.614	51624.14	● Nozzle ø 1.4 S2514 100A **(XF)**
	.11.842.511.616	51624.16	● Nozzle ø 1.6 S2516 130A **(XF)**
	.11.842.511.618	51624.18	● Nozzle ø 1.8 S2518 160A **(XF)**
14	.11.842.401.160	60580	Nozzle retaining cup ø 0.4 S3004
	.11.842.401.162	60581	Nozzle retaining cup ø 0.8 S3008
	.11.842.401.1622	60582	Nozzle retaining cup ø 0.8 S3028
15	.11.835.201.1561	60565	Shield ø 1.5 Z4015
	.11.835.201.1571	60566	Shield ø 2.0 Z4020
	.11.835.201.1551	60566.22	Shield ø 2.2 Z4022
	.11.835.201.1581	60566.25	Shield ø 2.5 Z4025
	.11.835.201.1591	60566.30	Shield ø 3.0 Z4030
	.11.835.401.1571	60567	Shield ø 4.0 Z4140
15a	.10.505.914	60565.41	O-Ring 24x1.5 Silicone
16	.11.835.411.1581	60568.30	Shield ø 3.0 Z4530
	.11.835.411.1580	60568.35	Shield ø 3.5 Z4535
	.11.835.411.1591	60568.40	Shield ø 4.0 Z4540
	.11.835.411.1590	60568.45	Shield ø 4.5 Z4545
17	.11.835.201.081	60561	Shield Cup Z501

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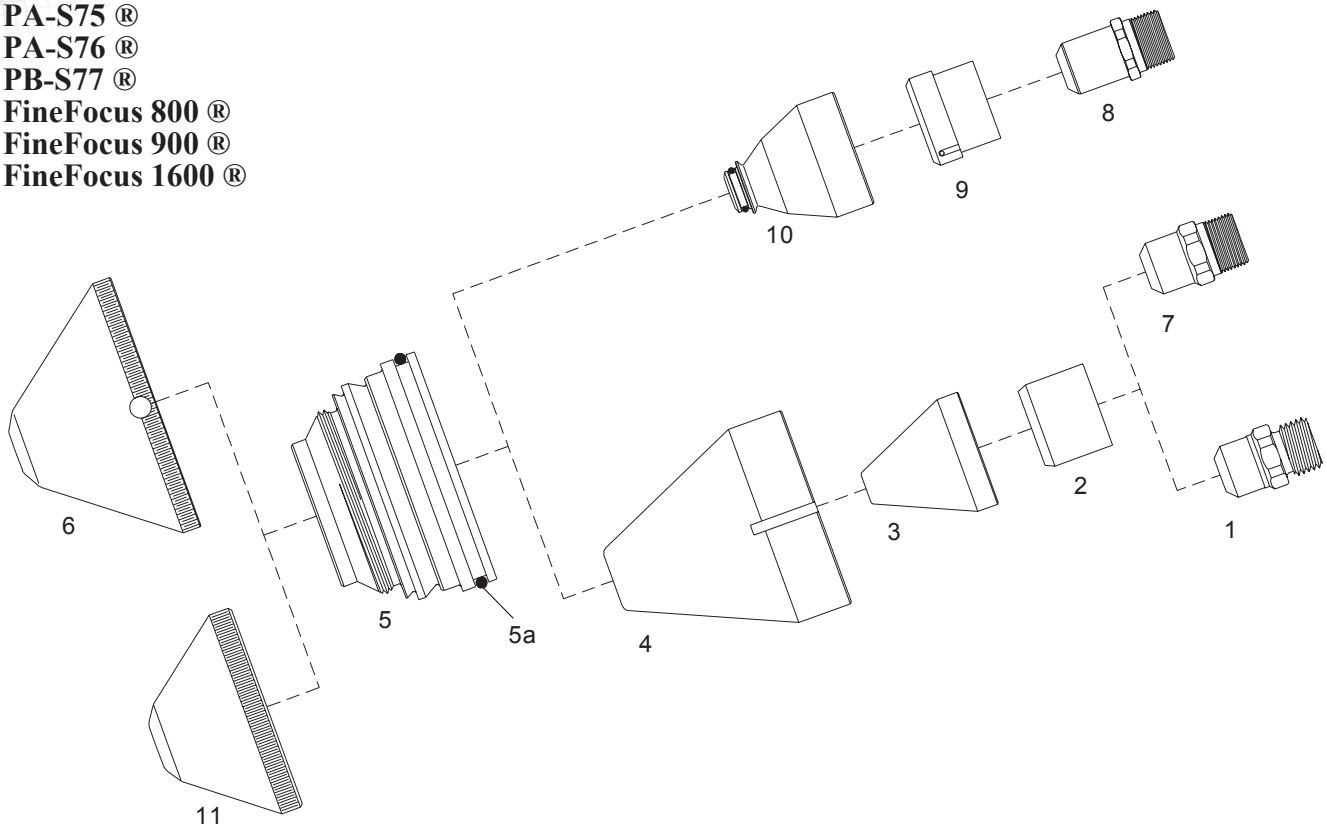
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Item	Ref.	Code	Description
1	.10.505.946	60365.42	O-Ring 36x2 Silicone
2	.10.575.052	60365.41	O-Ring 20x2 Silicone
3	.11.842.401.152	60579	Cooling tube
4	.11.843.021.310	52716AG	Electrode O2 XL S002X - **Solid Silver**
	.11.843.021.320	52718AG	Electrode O2 XL S002Y - **Solid Silver - "YELLOW"**
5	.11.843.121.310	52717AG	Electrode O2 XL S012X - **Solid Silver**
6	.11.842.621.310	52720AG	Electrode O2 XL R002 - **Solid Silver**
6a		20711.40	O-Ring 6x1.5 White Silicone
7	.11.835.221.153	60065	Swirl ring Z101, 3 Holes
	.11.835.221.154	60068	Swirl ring Z102, 2 Holes
7a	.10.505.869	20608.41	O-Ring 10x1 Silicone
8	.11.834.321.153	60066	Swirl ring Z111
9	.11.835.421.303	60064	Spacer ring Z111A
10	.11.843.021.406	51625.06	Nozzle ø 0.6 S2006X 25A **(XF)**
	.11.843.021.407	51625.07	Nozzle ø 0.7 S2007X 35A **(XF)**
	.11.843.021.408	51625.08	Nozzle ø 0.8 S2008X 50/60A **(XF)**
	.11.843.021.409	51625.09	Nozzle ø 0.9 S2009X 70/80A **(XF)**
	.11.843.021.410	51625.10	Nozzle ø 1.0 S2010X 80/90A **(XF)**
	.11.843.021.411	51625.11	Nozzle ø 1.1 S2011X 90/100A **(XF)**
	.11.843.021.412	51625.12	Nozzle ø 1.2 S2012X 100/130A **(XF)**
	.11.843.021.414	51625.14	Nozzle ø 1.4 S2014X 130/160A **(XF)**
	.11.843.021.416	51625.16	Nozzle ø 1.6 S2016X 160A **(XF)**
10a	.10.505.820	20850.40	O-Ring 4x1 Silicone
10b	.10.505.885	51620.60	O-Ring 15x1.5 Silicone
11	.11.843.121.412	51626.12	Nozzle ø 1.2 S2112X 100A **(XF)**
	.11.843.121.414	51626.14	Nozzle ø 1.4 S2114X 130A **(XF)**
	.11.843.121.416	51626.16	Nozzle ø 1.6 S2116X 160A **(XF)**
12	.11.842.621.408	51630.08	Nozzle ø 0.8 R2008 50/60A **(XF)**
	.11.842.621.409	51630.09	Nozzle ø 0.9 R2009 70/80A **(XF)**
	.11.842.621.410	51630.10	Nozzle ø 1.0 R2010 80/90A **(XF)**
	.11.842.621.411	51630.11	Nozzle ø 1.1 R2011 90/100A **(XF)**
	.11.842.621.412	51630.12	Nozzle ø 1.2 R2012 100/130A **(XF)**
13	.11.842.401.160	60580	Nozzle retaining cup ø 0.4 S3004
	.11.842.401.162	60581	Nozzle retaining cup ø 0.8 S3008
	.11.842.401.1622	60582	Nozzle retaining cup ø 0.8 S3028
14	.11.842.601.160	60584	Nozzle retaining cup ø 0.4 R3004
15	.11.835.201.1561	60565	Shield ø 1.5 Z4015
	.11.835.201.1571	60566	Shield ø 2.0 Z4020
	.11.835.201.1551	60566.22	Shield ø 2.2 Z4022
	.11.835.201.1581	60566.25	Shield ø 2.5 Z4025
	.11.835.201.1591	60566.30	Shield ø 3.0 Z4030
	.11.835.401.1571	60567	Shield ø 4.0 Z4140
15a	.10.505.914	60565.41	O-Ring 24x1.5 Silicone
16	.11.842.601.157	60586.20	Shield ø 2.0 R4020
	.11.842.601.155	60586.22	Shield ø 2.2 R4022
	.11.842.601.158	60586.25	Shield ø 2.2 R4025
	.11.838.001.1561	60585.15	Shield ø 1.5 Y4015
	.11.838.001.1571	60585	Shield ø 2.0 Y4020
	.11.838.001.1551	60585.22	Shield ø 2.2 Y4022
17	.11.835.201.081	60561	Shield Cup Z501

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PA-S75 ®
PA-S76 ®
PB-S77 ®
FineFocus 800 ®
FineFocus 900 ®
FineFocus 1600 ®



Item	Ref.	Code	Description
1	.12.40870	52700XF	Electrode K2 Air **(XF)**
	.11.828.921.300	52700AG	Electrode K2 XL **Solid Silver**
2	.12.40860	60067	Swirl Ring - Teflon
3	.11.828.501.414	51306	Nozzle L3 Air 120A
	.11.828.901.414	51306XF	Nozzle L3 XL O2 120A **(XF)**
	.12.43050	51307	Nozzle L1 Air 160A
	.11.828.901.420	51307XF	Nozzle L1 XL O2 160A **(XF)**
	.12.40850	51308	Nozzle L2 Air 250A
	.11.828.901.425	51308XF	Nozzle L2 XL O2 250A **(XF)**
4	.12.37790	60364	Conical nozzle retaining cap ø 38 mm
5	.11.833.101.271	60590	Fiberglass nozzle
5a	.10.505.961	60590.41	O-Ring 48 x 2 Silicone
6	.11.833.101.150	60595.30	Shield Cap ø 3.0 V4330
	.11.833.101.155	60595.35	Shield Cap ø 3.5 V4335
	.11.833.101.156	60595.40	Shield Cap ø 4.0 V4340
	.11.833.101.157	60595.45	Shield Cap ø 4.5 V4345
	.11.833.101.158	60595.50	Shield Cap ø 5.0 V4350
	.11.833.101.159	60595.60	Shield Cap ø 6.0 V4360
7		52702AG	Electrode K3 XL **Solid Silver**
8	.11.836.921.300	52703AG	Electrode T012 **Solid Silver**
9	.11.836.921.153	60070	Swirl Ring T101 - Teflon
	.11.836.921.154	60069	Swirl Ring T102 - Teflon
10	.11.836.921.420	51303	Nozzle T2120 200A **(XF)**
	.11.836.921.425	51304	Nozzle T2125 250A **(XF)**
	.11.836.921.427	51305	Nozzle T2127 300A **(XF)**
11	.11.833.111.155	60594.30	Shield Cap ø 3.0 V4530
	.11.833.111.156	60594.40	Shield Cap ø 4.0 V4540
		60594.45	Shield Cap ø 4.5 V4545
	.11.833.111.158	60594.50	Shield Cap ø 5.0 V4550
	.11.833.111.159	60594.60	Shield Cap ø 6.0 V4560

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