

ANODE LOW VOLTAGE FOIL

ELECTROMECHANICAL SPECIFICATIONS FOR ETCHED ANODE LOW VOLTAGE FOILS

| Foil type | Parameter values | | |
|------------|--|--------------------|------------------------------|
| | Capacitance at $U_f = 50V, \mu F/cm^2$ | Thickness, μm | Bursting test, $kgf/cm, min$ |
| AH4/0,060 | 9.26 | 60 | 2.2 |
| AH5/0,060 | 10.8 | 60 | 2.0 |
| AH6/0,060 | 12.5 | 60 | 1.8 |
| AH4/0,075 | 9.26 | 75 | 2.4 |
| AH5/0,075 | 10.8 | 75 | 2.2 |
| AH6/0,075 | 12.5 | 75 | 2.0 |
| AH7/0,075 | 15 | 75 | 1.8 |
| AH4/0,080 | 9.26 | 80 | 2.7 |
| AH5/0,080 | 10.8 | 80 | 2.6 |
| AH6/0,080 | 12.5 | 80 | 2.5 |
| AH7/0,080 | 15.0 | 80 | 2.4 |
| AH8/0,080 | 17.84 | 80 | 2.0 |
| AH4/0,085 | 9.26 | 85 | 2.8 |
| AH5/0,085 | 10.8 | 85 | 2.7 |
| AH6/0,085 | 12.5 | 85 | 2.6 |
| AH7/0,085 | 15.0 | 85 | 2.5 |
| AH8/0,085 | 17.84 | 85 | 2.4 |
| AH9/0,085 | 21.5 | 85 | 1.9 |
| AH9/0,100 | 21.5 | 100 | 2.0 |
| AH10/0,100 | 25.5 | 100 | 1.7 |
| AH10/0,105 | 25.5 | 105 | 1.7 |
| AH11/0,110 | 30.5 | 110 | 1.4 |

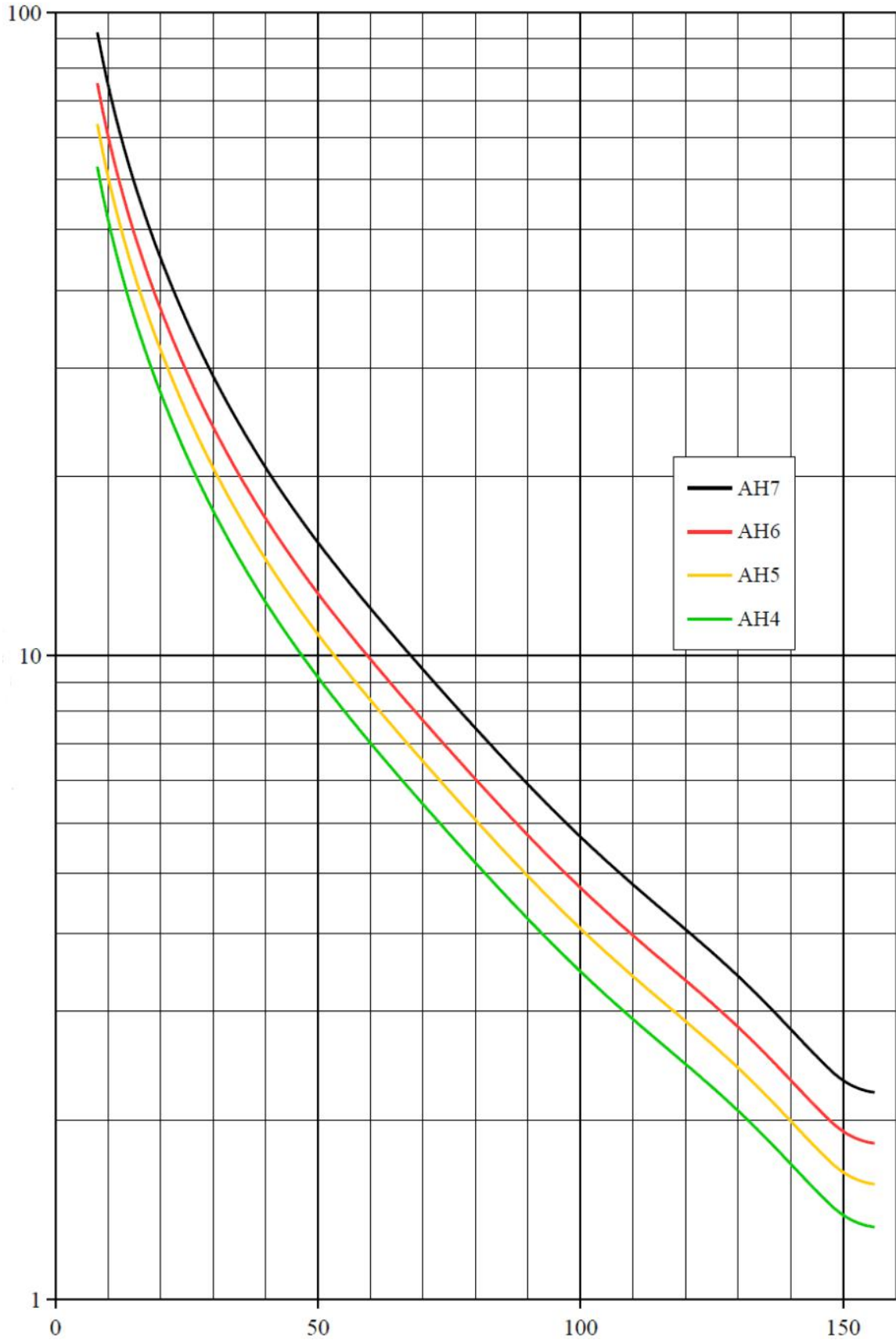
NOMINAL CAPACITANCES VERSUS FORMING VOLTAGES OF LOW VOLTAGE ANODE FOILS

| U _F , V | Nominal capacitances, uF/cm ² | | | |
|--------------------|--|--|--|---|
| | AH4/0.060-6 AH4/0.075-6 AH4/0.080-6 AH4/0.085-6 | AH5/0.060-6 AH5/0.075-6 AH5/0.080-6 AH5/0.085-6 | AH6/0.060-6 AH6/0.075-6 AH6/0.080-6 AH6/0.085-6 | AH7/0.075-6 AH7/0.080-6 AH7/0.085-6 |
| 8 | 57.53 | 67.07 | 77.63 | 93.15 |
| 9 | 52.21 | 60.86 | 70.45 | 84.53 |
| 10 | 47.82 | 55.75 | 64.53 | 77.42 |
| 11 | 44.13 | 51.44 | 59.55 | 71.45 |
| 12 | 40.96 | 47.76 | 55.28 | 66.32 |
| 13 | 38.21 | 44.55 | 51.57 | 61.87 |
| 14 | 35.80 | 41.73 | 48.30 | 57.96 |
| 15 | 33.65 | 39.23 | 45.41 | 54.48 |
| 16 | 31.73 | 36.99 | 42.81 | 51.37 |
| 18 | 28.42 | 33.13 | 38.35 | 46.02 |
| 20 | 25.67 | 29.93 | 34.64 | 41.57 |
| 22.5 | 22.83 | 26.61 | 30.80 | 36.96 |
| 25 | 20.48 | 23.87 | 27.63 | 33.16 |
| 27.5 | 18.51 | 21.57 | 24.97 | 29.96 |
| 30 | 16.83 | 19.62 | 22.72 | 27.25 |
| 32.5 | 15.40 | 17.95 | 20.78 | 24.93 |
| 35 | 14.16 | 16.51 | 19.11 | 22.92 |
| 37.5 | 13.08 | 15.25 | 17.65 | 21.17 |
| 40 | 12.13 | 14.14 | 16.37 | 19.64 |
| 42.5 | 11.29 | 13.16 | 15.23 | 18.28 |
| 45 | 10.54 | 12.29 | 14.22 | 17.06 |
| 47.5 | 9.87 | 11.50 | 13.32 | 15.98 |
| 50 | 9.26 | 10.80 | 12.50 | 15.00 |
| 55 | 8.21 | 9.57 | 11.08 | 13.29 |
| 60 | 7.32 | 8.53 | 9.88 | 11.85 |
| 65 | 6.55 | 7.64 | 8.84 | 10.61 |
| 70 | 5.88 | 6.86 | 7.94 | 9.52 |
| 75 | 5.29 | 6.17 | 7.14 | 8.56 |
| 80 | 4.77 | 5.56 | 6.43 | 7.72 |
| 85 | 4.30 | 5.02 | 5.81 | 6.97 |
| 90 | 3.90 | 4.54 | 5.26 | 6.31 |

| | | | | |
|---------------------------------|------|------|------|------|
| 95 | 3.54 | 4.13 | 4.78 | 5.73 |
| 100 | 3.23 | 3.77 | 4.36 | 5.23 |
| 105 | 2.96 | 3.45 | 3.99 | 4.79 |
| 110 | 2.72 | 3.17 | 3.67 | 4.41 |
| 115 | 2.51 | 2.93 | 3.39 | 4.07 |
| 120 | 2.32 | 2.70 | 3.13 | 3.76 |
| 125 | 2.14 | 2.49 | 2.89 | 3.46 |
| 130 | 1.96 | 2.29 | 2.65 | 3.18 |
| 135 | 1.79 | 2.09 | 2.42 | 2.90 |
| 140 | 1.62 | 1.89 | 2.19 | 2.63 |
| 145 | 1.47 | 1.72 | 1.99 | 2.38 |
| 150 | 1.35 | 1.58 | 1.82 | 2.19 |
| 156 | 1.29 | 1.51 | 1.75 | 2.10 |
| Capacitance tolerance \pm 10% | | | | |

FORMED FOILS CAPACITANCES VERSUS FORMING VOLTAGE.

Specific capacitance, $\mu\text{F}/\text{cm}^2$



Forming voltage, V

NOMINAL CAPACITANCES VERSUS FORMING VOLTAGES OF LOW VOLTAGE ANODE FOILS

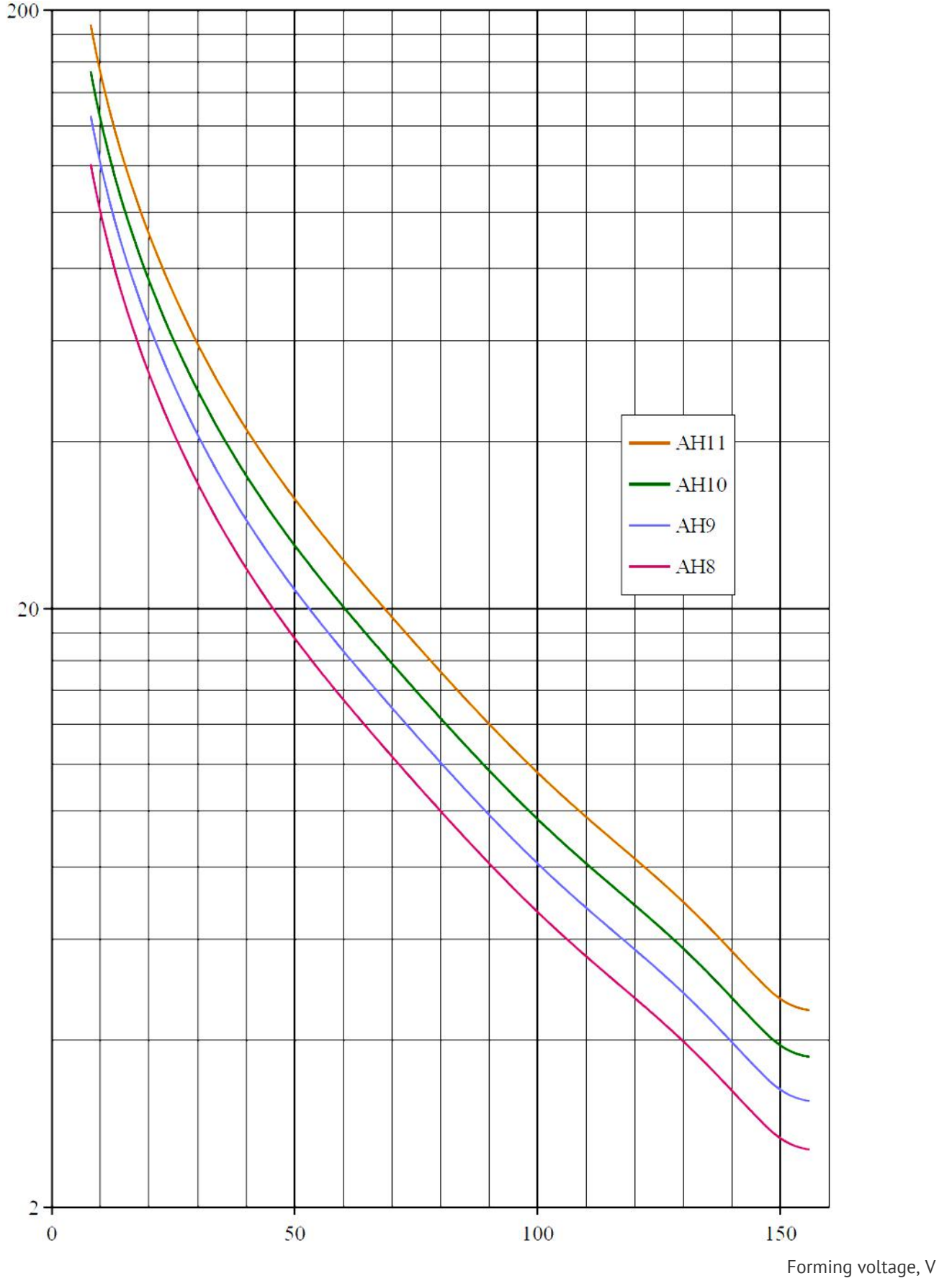
| U _F , V | Nominal capacitances, uF/cm ² | | | |
|--------------------|--|----------------------------|------------------------------|--------------|
| | AH8/0.080-6 AH8/0.085-6 | AH9/0.085-6 AH9/0.100-6 | AH10/0.100-6 AH10/0.105-6 | AH11/0.110-6 |
| 8 | 110.80 | 133.57 | 158.40 | 189.45 |
| 9 | 100.55 | 121.20 | 143.74 | 171.91 |
| 10 | 92.10 | 111.02 | 131.66 | 157.47 |
| 11 | 84.99 | 102.45 | 121.50 | 145.31 |
| 12 | 78.90 | 95.11 | 112.79 | 134.89 |
| 13 | 73.60 | 88.72 | 105.22 | 125.84 |
| 14 | 68.94 | 83.11 | 98.56 | 117.88 |
| 15 | 64.81 | 78.12 | 92.65 | 110.81 |
| 16 | 61.10 | 73.66 | 87.35 | 104.48 |
| 18 | 54.74 | 65.98 | 78.25 | 93.59 |
| 20 | 49.45 | 59.61 | 70.69 | 84.54 |
| 22.5 | 43.97 | 53.00 | 62.85 | 75.17 |
| 25 | 39.44 | 47.54 | 56.38 | 67.43 |
| 27.5 | 35.64 | 42.97 | 50.95 | 60.94 |
| 30 | 32.42 | 39.08 | 46.35 | 55.43 |
| 32.5 | 29.66 | 35.75 | 42.40 | 50.71 |
| 35 | 27.27 | 32.87 | 38.98 | 46.62 |
| 37.5 | 25.19 | 30.36 | 36.01 | 43.06 |
| 40 | 23.36 | 28.16 | 33.39 | 39.94 |
| 42.5 | 21.74 | 26.21 | 31.08 | 37.17 |
| 45 | 20.30 | 24.47 | 29.02 | 34.71 |
| 47.5 | 19.01 | 22.91 | 27.17 | 32.50 |
| 50 | 17.84 | 21.50 | 25.50 | 30.50 |
| 55 | 15.81 | 19.06 | 22.60 | 27.03 |
| 60 | 14.09 | 16.99 | 20.15 | 24.10 |
| 65 | 12.62 | 15.21 | 18.04 | 21.57 |
| 70 | 11.33 | 13.65 | 16.19 | 19.36 |
| 75 | 10.19 | 12.28 | 14.56 | 17.42 |
| 80 | 9.18 | 11.07 | 13.12 | 15.70 |
| 85 | 8.29 | 9.99 | 11.85 | 14.17 |
| 90 | 7.51 | 9.05 | 10.73 | 12.83 |
| 95 | 6.82 | 8.22 | 9.75 | 11.66 |

| | | | | |
|-----|------|------|------|-------|
| 100 | 6.22 | 7.50 | 8.89 | 10.64 |
| 105 | 5.70 | 6.87 | 8.15 | 9.75 |
| 110 | 5.24 | 6.32 | 7.50 | 8.97 |
| 115 | 8.84 | 5.83 | 6.92 | 8.27 |
| 120 | 4.47 | 5.39 | 6.39 | 7.64 |
| 125 | 4.12 | 4.96 | 5.89 | 7.04 |
| 130 | 3.78 | 4.56 | 5.40 | 6.46 |
| 135 | 3.45 | 4.16 | 4.93 | 5.90 |
| 140 | 3.13 | 3.77 | 4.47 | 5.35 |
| 145 | 2.83 | 3.42 | 4.05 | 4.84 |
| 150 | 2.60 | 3.14 | 3.72 | 4.45 |
| 156 | 2.49 | 3.01 | 3.56 | 4.26 |

Capacitance tolerance $\pm 10\%$

FORMED FOILS CAPACITANCES VERSUS FORMING VOLTAGE.

Specific capacitance, $\mu\text{F}/\text{cm}^2$



MECHANICAL SPECIFICATIONS FOR ETCHED ANODE LOW VOLTAGE FOILS

| Foil type | Parameter values | | |
|--------------|------------------|-----------------------------------|-----------------------|
| | Thickness, um | Bending test, number (r = 0.5 mm) | Bursting test, kgf/cm |
| AH4/0,060-6 | 60 | 40 | 2.2 |
| AH5/0,060-6 | 60 | 35 | 2.0 |
| AH6/0,060-6 | 60 | 35 | 1.8 |
| AH4/0,075-6 | 75 | 40 | 2.4 |
| AH5/0,075-6 | 75 | 40 | 2.2 |
| AH6/0,075-6 | 75 | 35 | 2.0 |
| AH7/0,075-6 | 75 | 35 | 1.8 |
| AH4/0,080-6 | 80 | 40 | 2.7 |
| AH5/0,080-6 | 80 | 40 | 2.6 |
| AH6/0,080-6 | 80 | 40 | 2.5 |
| AH7/0,080-6 | 80 | 35 | 2.4 |
| AH8/0,080-6 | 80 | 35 | 2 |
| AH4/0,085-6 | 85 | 40 | 2.8 |
| AH5/0,085-6 | 85 | 40 | 2.7 |
| AH6/0,085-6 | 85 | 40 | 2.6 |
| AH7/0,085-6 | 85 | 40 | 2.5 |
| AH8/0,085-6 | 85 | 35 | 2.4 |
| AH9/0,085-6 | 85 | 35 | 1.9 |
| AH9/0,100-6 | 100 | 40 | 2.0 |
| AH10/0,100-6 | 100 | 35 | 1.7 |
| AH10/0,105-6 | 105 | 35 | 1.7 |
| AH11/0,110-6 | 110 | 35 | 1.7 |