

| extruder-type  | AE 1-80-..                  | AE 1-90-..                  | AE 1-100-..                 | AE 1-110-..                 | AE 1-120-..                 |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| <b>screw Ø</b>   | 80mm                        | 90mm                        | 100mm                       | 110mm                       | 120mm                       |
| effective length LxD (●)   | 25                          | 25                          | 25                          | 25                          | 25                          |
| effective length LxD (○)   | 30                          | 30                          | 30                          | 30                          | 30                          |
| screw pull out to front  | ●                           | ●                           | ●                           | ●                           | ●                           |
| screw pull out backwards   | ○                           | ○                           | ○                           | ○                           | ○                           |
| feather intake in gear   | ●                           | ●                           | ●                           | ●                           | ●                           |
| splined intake in gear   | ○                           | ○                           | ○                           | ○                           | ○                           |
| <b>cylinder</b>  | Ø80 H7                      | Ø90H7                       | Ø100H7                      | Ø110H7                      | Ø120H7                      |
| material 1.8550 nitrided layer<br>0,3-0,5mm up to 900-950HV  | ●                           | ●                           | ●                           | ●                           | ●                           |
| material Bi-Metall –middle-<br>inside layer of iron-based alloy<br>64-69 HRC                         | ○<br>+                      | ○<br>+                      | ○<br>+                      | ○<br>+                      | ○<br>+                      |
| material Bi-Metall -strong-<br>inside layer of nickel-based alloy with tungsten<br>carbide 60-65 HRC | -                           | -                           | ○<br>++                     | ○<br>++                     | ○<br>++                     |
| material Bi-Metall - Fluor-<br>Low-iron nickel-base alloy<br>48-56 HRC for Fluorpolymer              | ○                           | ○                           | ○                           | ○                           | ○                           |
| <b>insertion zone (smooth)</b>   | ●                           | ●                           | ●                           | ●                           | ●                           |
| insertion zone (grooved)   | -                           | ○                           | ○                           | ○                           | ○                           |
| connection   | clamping flange             | clamping flange             | clamping flange             | clamping flange             | clamping flange             |
| <b>cylinder heating zone (25.D)</b>  | 5                           | 5                           | 5                           | 6                           | 6                           |
| material   | ceramic                     | ceramic                     | ceramic                     | ceramic                     | ceramic                     |
| temperature sensor   | FeCuNi                      | FeCuNi                      | FeCuNi                      | FeCuNi                      | FeCuNi                      |
| <b>regulatory control</b>  | multi-channel<br>controller | multi-channel<br>controller | multi-channel<br>controller | multi-channel<br>controller | multi-channel<br>controller |
| BDE – Siemens  | ○                           | ○                           | ○                           | ○                           | ○                           |
| <b>drive / gear</b>  | CMG                         | CMG                         | CMG                         | CMG                         | CMG                         |
| design   | standing                    | standing                    | standing                    | standing                    | standing                    |
| gear cooling   | ●                           | ●                           | ●                           | ●                           | ●                           |
| motor  | 3-4 pcs                     | 3-4 pcs                     | 3-4 pcs                     | 3-4 pcs                     | 3-4 pcs                     |
| CMG – drive (AC)   | ●                           | ●                           | ●                           | ●                           | ●                           |
| Torque drive   | -                           | -                           | -                           | -                           | -                           |
| screw speed (standard)   | 120rpm                      | 120rpm                      | 100rpm                      | 100rpm                      | 100rpm                      |
| <b>extruder-type</b>   | <b>AE 1-80-..</b>           | <b>AE 1-90-..</b>           | <b>AE 1-100-..</b>          | <b>AE 1-110-..</b>          | <b>AE 1-120-..</b>          |