

# High-performance flow forming machine AFPM Series



High-performance flow forming machine for production of rotational symmetry hollow bodies.



The high performance flow forming machine AFPM is stable, flexible, efficient and user-friendly. Its solid construction enables a production of aluminium or steel street- and flag poles.

The main machine components and assemblies are mounted on a rigid and warp resistant, welded machine bed.

Raw Part-Ø, min. – max.	120 - 280	mm
Produced Ø, min. – max.	60 - 280	mm
Workpiece-Ø-reduction max. for Al 6061 <sup>1)</sup>	260 to 76	mm
Workpiece-Ø-reduction max. for ST 37-0	220 to 95	mm
Workpiece-WT, Aluminum (6060 / 6061) min <sup>1),2)</sup> – max. <sup>1)</sup>	3 - 6	mm
Workpiece-WT, Mild Steel min <sup>2)</sup> – max <sup>4)</sup>	3 - 5	mm
Wall thickness reduction max. <sup>2)</sup>	25	%
Preform / raw part length, max.	9.500	mm
Final part length, max. approx. <sup>3)</sup>	14.500	mm

1) max. hardness of raw material T0 or T4 with 45 HB at max.

2) depending on the raw part diameter

3) depending on the grade of wall thickness reduction

4) max. hardness and necessary elongation

5) HFI welded steel tubes acc. to DIN EN 10217-1(TR2)

DIN EN 10219 and DIN 1626 incl. AD2000W4, with APZ3.1 acc. to DIN EN 10204  
Steel tube DIN 1626/AD-W4, St 37.0, raw-black, angeschr. DIN 2559/22 APZ EN 10204-3.1  
EN10219S235JRH, EN10217-1P235TR2; Material with tensile strength between 235 and  
260 N/mm<sup>2</sup>, elongation >40%; not exceeding C-content 0,07%, low Mn-content.  
Material must be manufactured by FLENDER, Siegen or SALZGITTER, Siegen.