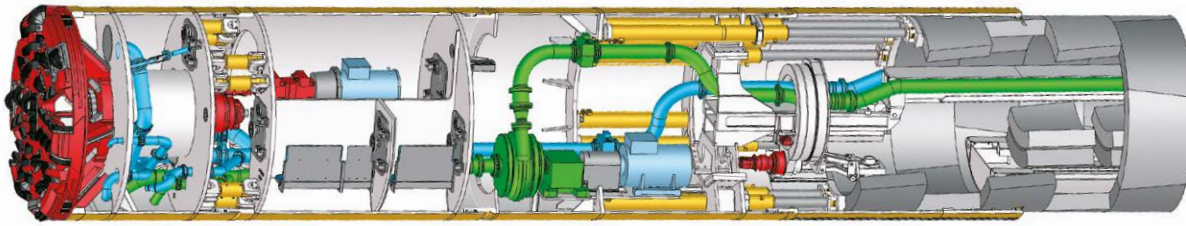


# AVND2600AH – MIX4000AH SEGMENT LINING



## Special Features

- › Slurry TBM with compressed air bubble for face support in inhomogeneous soil conditions or low coverage
- › Alternatively: conventional Slurry-mode (AVN)
- › Designed for soft ground, mixed ground and hard rock conditions by use of different cutting wheels (full face excavation)
- › Access to cutting wheel for tool replacement (backloading system)
- › Highly reliable steering operation due to inductive measuring system
- › Different (variable) flushing modes/jet systems to suit different ground conditions
- › Medium pressure water system for operation in cohesive soil
- › Providing highly effective cone crusher/jaw crusher
- › Equipped with heavy-duty long-life main bearing and high torque main drive
- › Medium-voltage power supply line to machine power pack
- › All machines compatible with TUNIS Navigation System
- › Shaft dimensions according to project requirements
- › Compatible with Combisegments®

TECHNICAL DATA	AVND2600AH	AVND3000AH	AVND3200AH	MIX3600AH	MIX4000AH
<b>1. Articulated Shield</b>					
› Outer diameter	3,225 mm	3,625 mm	3,925 mm	4,220 mm	4,660 mm
› Segment OD	3,000 mm	3,400 mm	2,700 mm	4,000 mm	4,500 mm
› Segment ID	2,600 mm	3,000 mm	2,300 mm	3,500 mm	4,000 mm
› Segment length	1,000 mm	1,100 mm	1,200 mm	1,300 mm	1,400 mm
<b>Main Drive</b>					
› Max. torque	1,200 kNm	1,600 kNm	1,600 kNm	1,600 kNm	2,300 kNm
› Revolution (LH/RH)	0–6 rpm	0–6 rpm	0–6 rpm	0–6 rpm	0–4 rpm
› Rated power	315–400 kW	315–400 kW	400 kW	400–630 kW	630–800 kW
› Roll correction	x	x	x	x	x
<b>Steering</b>					
› Steering cylinders	8	8	8	8	8
› Force per cyl./oil pressure	703 kN/350 bar	1,330 kN/350 bar	1,330 kN/350 bar	1,710 kN/400 bar	1,520 kN/400 bar
› Stroke per cylinder	150 mm	150 mm	150 mm	200 mm	250 mm
<b>Control</b>					
› Computer data logging system	x	x	x	x	x
› Fully visualized process control	x	x	x	x	x
› Active roll protection (el.-hydr.)	x	x	x	x	x
› Suitability TUNIS Navigation System:					
› Laser	x	x	x	x	x
› HydroLevel	x	x	x	x	x
› Gyro	x	x	x	x	x
› LaserTotalStation	x	x	x	x	x
<b>2. Push Module</b>					
› Wire brush seal with automatic lubrication	x	x	x	x	x
› Propulsion cylinders	12	12	12	12	16
› Stroke	1,700 mm	1,700 mm	1,900 mm	1,900 mm	2,100 mm
› Total force	11,904 kN/350 bar	11,904 kN/350 bar	15,966 kN/350 bar	19,000 kN/350 bar	21,287 kN/350 bar
<b>3. General Information</b>					
› Drive length (recommended)	2,000 m	5,000 m	5,000 m	7,000 m	7,000 m
› Crusher	Cone crusher	Cone crusher	Cone crusher	Jaw crusher	Jaw crusher
› Access to cutting wheel	x	x	x	x	x
› Operating pressure	3.5 bar or higher	3.5 bar or higher	3.5 bar or higher	x	x
› Airlock	x	x	x	opt.	opt.
› Slurry line diam.	200 mm	200 mm	200 mm	250 mm	250 mm
› Medium pressure water system	x	x	x	x	x
› Low pressure jet system	opt.	opt.	opt.	opt.	opt.

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