

Satellite reception systems

Offset parabolic antennas

CAS 124	216236
CAS 180	216235
ZAS 124	218662
ZAS 180	218661
ZAS 181	218667
ZAS 186	218676
ZAS 189	23710017

- Aluminium reflector, powder-coated, matt white colour
- Feed system support of squared aluminium tubing and an aluminium feed system mounting plate
- Mast clamp of aluminium and stainless steel
- Optimal electrical data at lowest mechanical dimensions with offset-feeding
- Multi-feed systems can be mounted using compact feed systems. Up to two compact feed systems for reception of satellites 3° to 6° apart can be mounted onto the feed system support. For any other combination, an additional multifeed-adaptor plate is required
- The following components are required:
 - **For CAS 124:**
ZAS 124 feed system support (order no. 218662) and ZAS 180 azimuth/elevation support (order no. 218661)
 - **For CAS 180:**
ZAS 181 feed system support (order no. 218667) and ZAS 186 azimuth/elevation support (order no. 218676)
 - AZ fine adjustment for CAS 180/CAS 124: ZAS 189 (order no. 23710017)
 - Stand mast for CAS 124: ZSO 120 (order no. 376214), ZSO 125 (order no. 376215)
 - Stand mast for CAS 180: ZSO 180 (order no. 23710014), ZSO 181 (order no. 23710015)



CAS 180 with feed system EAS 485 and feed system mounting plate ZAS 181 on azimuth/elevation support ZAS 186



Azimuth/elevation support ZAS 186

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Technical data

Type		CAS 124	CAS 180
Order no.		216236	216235
Diameter	m	1.2	1.8
Reception range	GHz	10.70-12.75	10.70-12.75
Antenna gain at 10.70-11.70 GHz	dBi	41.50	44.50
Antenna gain at 11.70-12.50 GHz	dBi	42.15	45.15
Antenna gain at 12.50-12.75 GHz	dBi	42.50	45.50
Half-power beam width	°	1.43	0.9
System performance (G/T)		See feed system	See feed system
Cross polarisation decoupling	dB	> 30	> 30
Wind load ¹⁾	N	1296	3396
Mast clamp range ZAS 180/ZAS186	mm	75-114	75-114
Setting range Elevation	°	5-50	5-50
Setting range Azimuth	°	360	360
Dimensions width	mm	1234	1980
Max. dimensions height	mm	1501	1511
Max. dimension protrusion (from centre of mast without feed system)	mm	1353	1900
Dimensions (L x W x H)	mm	1430 x 1430 x 370	2230 x 2120 x 390
Weight appr. net/gross	kg	18.4/30.7	60.0/81.5

¹⁾ At a dynamic pressure of 800 N/m² acc. to DIN 57855 and VDE 0855