

Offset parabolic antennas



Offset parabolic antennas

CAS 09	216083
CAS 90	216224
CAS 90/R	216262

- Antennas incl. reflector, feed system support and mast clamp
- Reflector made of aluminium, powder coated
- Feed system support made of galvanised sheet steel, plastics coated
- Clamping piece made of sheet steel, hot-dip galvanised
- Optimal electrical data in lowest mechanical dimensions due to offset-feed
- Available in graphite-grey, white and auburn
- TÜV certified
- No additional components are required to be able to mount two universal feed systems to receive the signals of satellites 3° to 4° (ASTRA 19.2°/23.5°) or 6° (e.g. ASTRA/EUTELSAT-HOTBIRD) apart on the boom

For any other combination, additionally the ZAS 90 multifeed-adaptor plate is required.



CAS 90
with UAS 484

Type		CAS 09	CAS 90	CAS 90/R
Order no.		216083	216224	216262
Diameter	cm	90	90	90
Colour		White (similar to RAL 9002)	Graphite-grey (similar to RAL 7012)	Auburn (RAL 8012)
Reception range	GHz	10.70-12.75		
Antenna gain at 10.70-11.70 GHz/11.70-12.50 GHz/12.50-12.75 GHz	dBi	38.6/39.2/39.6		
Half-power beam width ¹⁾	°	< 1.9		
System figure of merit ²⁾ feed system in centre; UAS 177/272/485	dB/K	18.4/19.4		
System figure of merit ²⁾ feed system in centre; UAS 481/484	dB/K	17.8/18.7		
System figure of merit ²⁾ feed system distance 3°-4°; UAS 177/272/485	dB/K	17.9/18.9		
System figure of merit ²⁾ feed system distance 3°-4°; UAS 481/484	dB/K	17.3/18.2		
System figure of merit ²⁾ feed system distance 6°; UAS 177/272/485	dB/K	17.5/18.3		
System figure of merit ²⁾ feed system distance 6°; UAS 481/484	dB/K	16.9/17.6		
Cross-polarisation decoupling	dB	> 27		
Wind load ³⁾	N	730		
Max. allowable wind speed	km/h	190		
Mast clamp range	mm	48-90		
Setting range Elevation/Azimuth	°	5-50/360		
Dimensions width	mm	987		
Dimensions height max.	mm	1,030		
Dimensions protrusion max. (from mast centre without feed system)	mm	880		
Packing unit dimensions	mm	1,050 x 1,050 x 230		
Approx. weight net/gross	kg	9.3/11.9		

¹⁾ At mid-band

²⁾ G/T at 11.3/12.5 GHz

³⁾ At a dynamic pressure of 800 N/m² acc. to EN 60728-11 (see page 50, 'Wind load indications')