

Offset parabolic antennas



Offset parabolic antenna

CAS 120

20010008

- Antenna incl. reflector and feed system support
- With slewable multifeed-mounting device to be able to set the polarisation optimally. Thus one is able to position the feed systems into the secondary focal points typ. in multifeed-reception
- Reflector made of aluminium, powder coated
- Feed system support and reflector rear part made of galvanised sheet steel, powder coated
- Optimal electrical data in lowest mechanical dimensions due to offset-feed
- Without additional components, two universal feed systems to receive signals of satellites 3° to 4° (e.g. ASTRA 19.2°/23.5°) or 6° apart can be mounted on the boom
- Additionally required for mounting:
ZAS 120 Azimuth/Elevation support

Note:

For individual multifeed-reception systems with a satellite spacing of max. 13°, you can place an order for multifeed-adaptor plates without indentations (order no. 16800187) with ESC Grassau.



CAS 120 with two feed systems

Type		CAS 120
Order no.		20010008
Diameter	m	1.2
Colour		White (similar to RAL 9002)
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	41.5/42.15/42.5
Half-power beam width ¹⁾	°	1.43
System figure of merit ²⁾ feed system in centre; UAS 177/272/485	dB/K	21.6/22.6
System figure of merit ²⁾ feed system in centre; UAS 481/484	dB/K	20.9/21.9
System figure of merit ²⁾ feed system distance 3°-4°; UAS 177/272/485	dB/K	21.4/22.4
System figure of merit ²⁾ feed system distance 3°-4°; UAS 481/484	dB/K	20.8/21.7
System figure of merit ²⁾ feed system distance 6°; UAS 177/272/485	dB/K	21.3/22.2
System figure of merit ²⁾ feed system distance 6°; UAS 481/484	dB/K	20.6/21.5
Cross-polarisation decoupling	dB	> 30
Wind load ³⁾	N	1,296
Max. allowable wind speed	km/h	157
Mast clamp range	mm	50-90
Setting range Elevation/Azimuth	°	5-50/360
Dimensions width		1,234
Dimensions height max.	mm	1,570
Dimensions protrusion max. (mast centre without feed system)	mm	1,408
Packing unit dimensions	mm	1,330 x 1,330 x 250
Approx. weight net/gross	kg	18.3/29.0

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')