

Offset parabolic antennas

CAS 80gr	20010027
CAS 80ro	20010028
CAS 80ws	20010029



CAS 80
with UAS 58x

Features

- Consists of reflector, feed system support and mast support
- Reflector made of aluminium, powder coated
- Feed system support made of galvanised sheet steel, plastics coated
- All connectors (screws, rivets, discs) are made of corrosion-resistant stainless steel and zinc die-casting
- Cable holder for up to 8 coaxial cables
- Threaded clamp of hot-dip galvanised steel
- High ease of installation: Completely pre-mounted, reflector keyhole fixing system, zinc die-cast wing nuts, standardised hexagon size, elevation scale on both sides, minimal support arm dimensions due to fold-down feature
- Optimal electrical data in lowest mechanical dimensions due to offset-feed
- Available in graphite-grey, white or red-brown
- TÜV design approved
- 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, the ZAS 90 multifeed-adaptor plate is additionally required.

Offset parabolic antennas

Technical data

Type		CAS 80gr	CAS 80ro	CAS 80ws
Order no.		20010027	20010028	20010029
Diameter	cm	75	75	75
Colour		Graphite-grey (similar to RAL 7012)	Red-brown (similar to RAL 8012)	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	36.8/37.3/37.7		
Half-power beamwidth ¹⁾	°	< 2.2		
System figure of merit ²⁾ feed system in centre	UAS 177/572/584/585 UAS 481	dB/K	16.9/17.9 16.2/17.2	
System figure of merit ²⁾ feed system distance 3°-4°	UAS 177/572/584/585 UAS 481	dB/K	16.6/17.4 15.8/16.8	
System figure of merit ²⁾ feed system distance 6°	UAS 177/572/584/585 UAS 481	dB/K	16.3/17.1 15.5/15.8	
Cross-polarisation decoupling	dB	> 26		
Wind load ³⁾	N	450		
Max. allowable wind speed	km/h	190		
Mast clamp range	mm	38-90		
Setting range Elevation/Azimet	°	Mast-side mounting: 5-48/360 Wall-bracket mounting: 90/360		
Multifeed-adaptor plate adjustment range	°	± 15		
Dimensions width	mm	750		
Dimensions height max.	mm	884		
Distance from mast centre to end of LNB boom (without LNB)	mm	830		
Packing dimensions	mm	1,100 x 800 x 180		
Weight appr. net/gross	kg	6.7/8.0		

¹⁾ At mid-band

²⁾ G/T at 11.3/12.5 GHz

³⁾ At a dynamic pressure of 800 N/m² to EN 60728-11 (see page xx, „wind load indications“)