

OB12-4 12 Element 4 Band



The OB12-4 is a high effective Yagi for the classical four bands 40, 20, 15 and 10m, four monobanders on one boom.

- The OptiBeam high Q air coil reduces the length of the 40m elements nearly lossfree down to a little bit below convenient 15 meters.
- Due to the patented OptiBeam „direct coupled driver feed system“ and the especially developed „40m decoupling stubs“ a non compromise feed with a single 50 Ohm coaxial cable is achieved.

OB12-4	12 Element, 4 Band
Bands	40 / 20 / 15 / 10
Gain (dBd) *	3,6 / 5,2 / 5,9 / 6,8
Gain (dBi) **	10,5 / 12,5 / 13,5 / 14,5
F/B (dB)	15 / 25 / 20 / 20

VSWR**40 m allgemeines setting:**

7,00 - 7,05 - 7,15 1,6 - 1,1 - 1,9

40 m USA phone setting:

7,15 - 7,20 - 7,30 1,6 - 1,1 - 1,9

14,00 - 14,18 - 14,35 1,4 - 1,1 - 1,4

21,00 - 21,25 - 21,45 1,2 - 1,1 - 1,4

28,00 - 28,50 - 29,00 1,5 - 1,1 - 1,4

Elements (number) 12

Active Elements 2 / 3 / 3 / 4

Max. Element length (m) 14.9

Boom length (m) 7.6

Turning Radius (m) 8.36

Feed lines (number) 1 Coax 50 Ohm

Weight (kg) 70

Wind load at 130 km/h 1.250 N / 1,56 m² / 16,8 feet²

Price *** 2.579,00 EUR

* = average gain over dipole in free-space / for comparison: 2 el monobander 4 dBd, 3 el 5-6 dBd

** = average gain at 20m above ground (= dBd + 2.15 db isotropic + about 5 db ground reflection)

*** = outside EU minus 19% tax - subject to change