Updated 2026-11-03

# MotoCrane RADICAL counterweight and balance

## COARSE COUNTERWEIGHT BY PAYLOAD AUW

Empty: 32.5 lb

15 lb: 70 lb

20 lb: 82.5 lb

25 lb: 92.5 lb

30 lb: 105 lb (100 first, mount, add 5)

35 lb: 115 lb (100 first, mount, add 15)

## RULES

Weigh the payload. Do not add up spec sheets.

Max 100 lb CW preload with no payload.

Max payload 35 lb, 45 lb with HEAVYLIFT (use the Heavylift chart).

Use an anti-vibration mount.

Fine-tune with BALANCE TEST on the COMMAND Console.

Isolator air shock: ride angle about 15 deg.

Independent summary by Moving Shot. Not an official MotoCrane document and not affiliated with MotoCrane, LLC. Source: RADICAL Operation Manual v1.2 at motocrane.com/knowledge-base. Always follow the current MotoCrane manual. MotoCrane Support: support@motocrane.com, +1 (612) 361-2325. Full guide: movingshot.com/knowledge/motocrane