

Calculation to find out (**TOW CAPACITY**) when towing behind VH-55 or VH-55 RO***

(This is a two part calculation)

First Part:

Take the **tongue** capacity of your hitch* (lbs), and **subtract** –

the weight of your motorcycle** -(lbs)

= (lbs), then **subtract** -

weight of motorcycle carrier -(lbs VH-55=65lbs or VH-55 RO=80lbs***)

= tongue weight left (lbs), then **divide** it by

tongue capacity of your hitch* (lbs)

= (. this will be a decimal) **percent** of tongue weight
left.

(Ending # from **First Part** will be used in **Second Part** calculation)

Second Part:

Take the **tow** capacity of your hitch* (lbs), and **multiply** it by

percent of tongue weight left(Ending # of first calculation .)

= (), then **divide** this number by

(3) (1/3 of hitch capacity)

= (lbs) (**Total tow capacity with VH-55 or VH-55 RO and motorcycle**)

* You can find hitch tow & tongue weight on your receiver or call dealer.

** For weight of motorcycle call up your dealer.

*** VH-55 single motorcycle carrier, VH-55 RO single motorcycle carrier w/ramp

Example: tongue weight=**500lbs**, tow capacity=**5000lbs**,
motorcycle weight=**200lbs**, VH-55 RO=**80lbs**.

First Part:

Take the **tongue** capacity of your hitch*, (**500 lbs**) and **subtract** –

the weight of your motorcycle**, -(**200 lbs**)

= (**300 lbs**) then **subtract** -

weight of motorcycle carrier -(**80 lbs**) (VH-55=65lbs or **VH-55 RO=80lbs**)

(VH-55 SINGLE MOTORCYCLE CARRIER & VH-55 RO SINGLE MOTORCYCLE CARRIER W/RAMP)

= (**220 lbs**) tongue weight left, then **divide** it by

tongue capacity of your hitch* (**500 lbs**)

= (**.44** this will be a decimal) **percent** of tongue weight

left.

(Ending # from **First Part** will be used in **Second Part** calculation)

Second Part:

Take the **tow** capacity of your hitch* (**5000 lbs**) and **multiply** it by

percent of tongue weight left(Ending # of first calculation **.44**)

= (**2200 lbs**) **divide** this number by

(**3**) (1/3 of hitch capacity)

= (**733.33lbs**) (**Total tow capacity with VH-55 RO and motorcycle**)