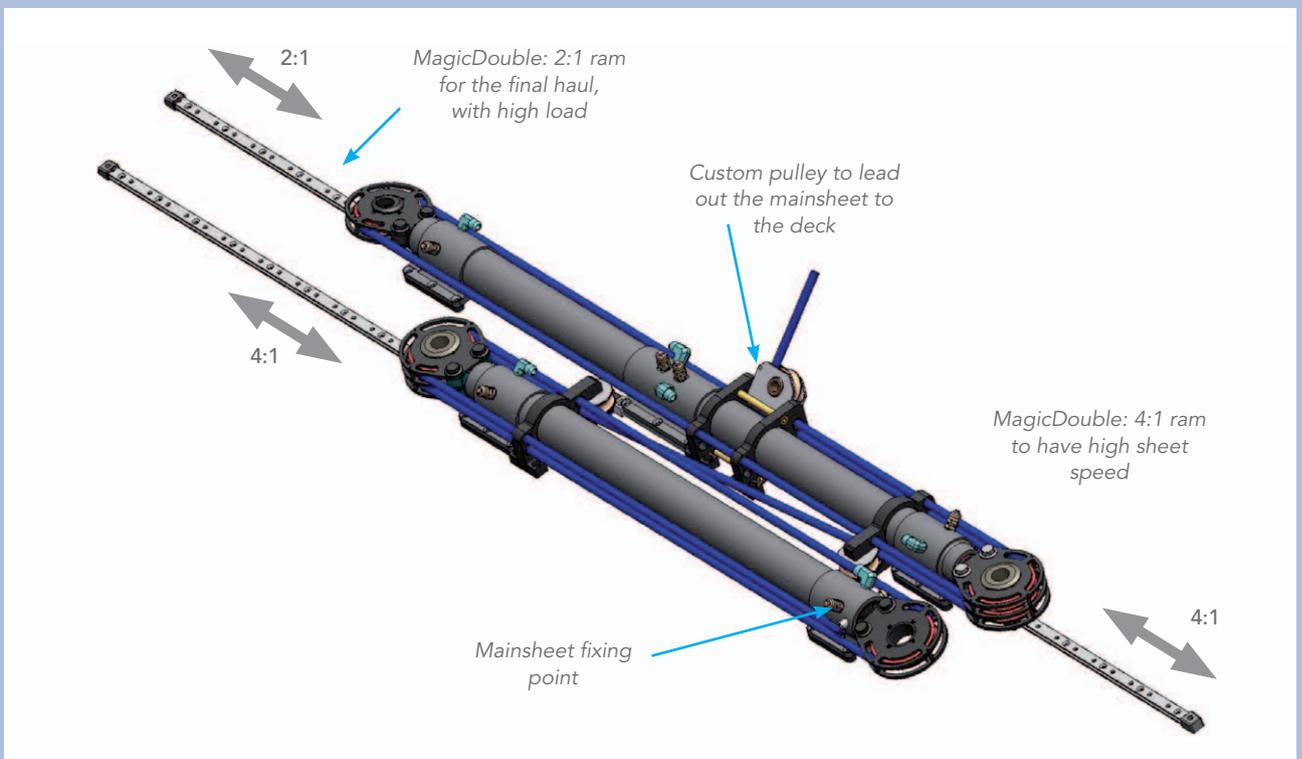


magic double

It is composed by two integrated rams: one works as a 4:1 tackle for the starting quick hauling; the other works as a 2:1 tackle for the final powerful setting due to the exponential trend of the load.

Compared to standard cylinders, *Magic Double* has smaller dimensions, considering the same load. Lower size, less oil volume, saving of weight mean an increasing of performance and speed.



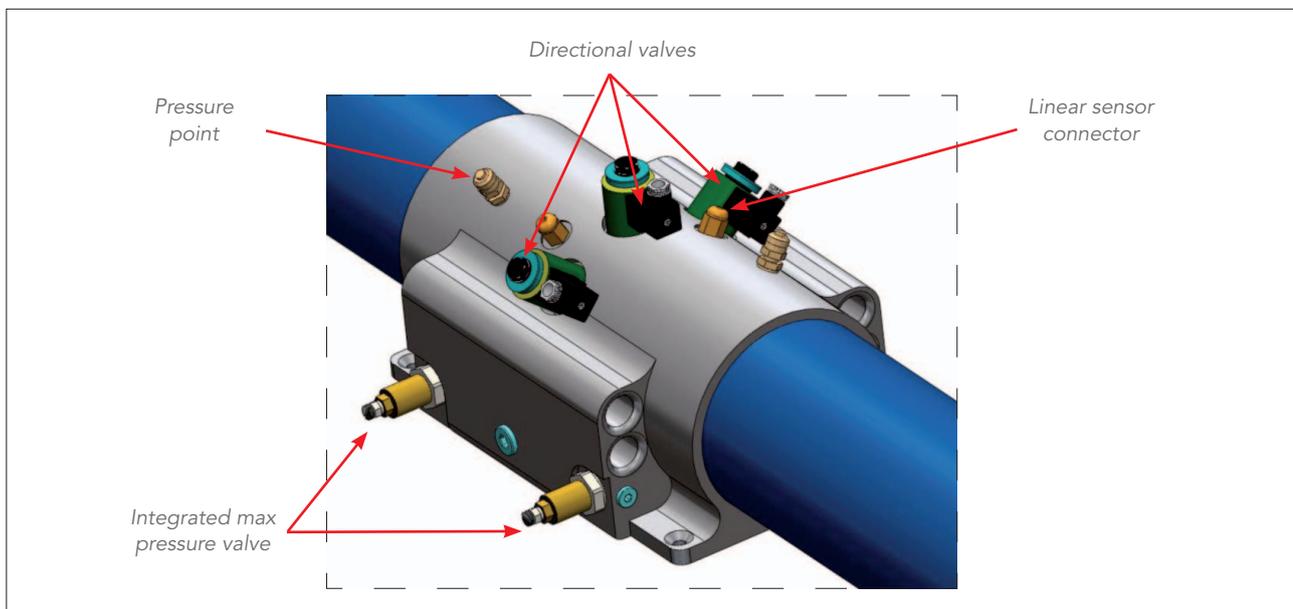
The mainsheet Magic Trim + Magic Double system developed for a Swan '60. Trim sequence: both cylinders closed, Magic Trim start to exit, than starts the 4:1 side of Magic Double tacking the mainsheet speed. When the 4:1 side of Magic Double is fully extended and the load of sheet increases, the 2:1 Magic Double ram completes the hauling of the sheet. Vice versa for easing sequence.

SMART MAGIC DOUBLE

Smart Magic Double is a Magic Double with integrated valves in the central part of the cylinder. Directional valves and release valves are part of the ram so as to guarantee the maximum system reliability and safety.

Smart Magic Double is often equipped with integrated linear sensor to perfectly control the sheet.

Smart MagicDouble
 Bore: 140mm
 Stroke: 1400mm (4:1), 1000mm (2:1)
 Hauling sheet length: 7.6 meter
 Hauling load on sheet: up to 9 tons



Wally 130' deck: Smart MagicTrim and MagicDouble are used for mainsheet and jib sheet. Thanks to these automatic systems, the deck is flush and free from winches and their sheets.



Magic Trim and Smart Magic Double arrangements for Wally 130' shown at 2008 METS trade.