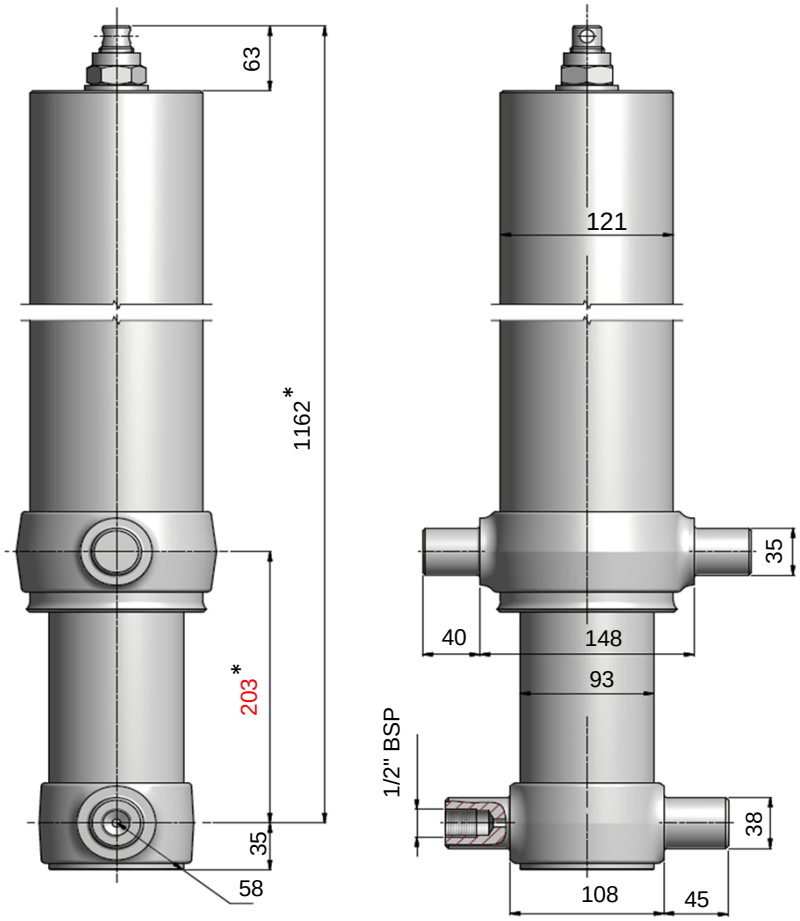
HYVA CYLINDER

714 90 220

Front end cylinder with outer cover	**type**	**FC 077-3-02900-K0203**
	tipping weight	**7-10 ton**
	closed length (K)	**198-233 mm**



*incl. standard pull out 20 [-5; +30] mm on piston

specifications

weight cylinder only	61	kg
total volume	11	L
working volume	9	L
maximum pressure	170	bar
maximum pump flow	33	L/min
maximum thrust first stage**	4.3	ton

technical notes

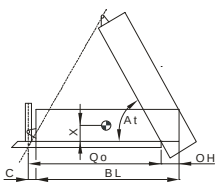
This cylinder is a lifting device only and may not be used as a structural member or be subjected to a side load. Working pressure depends on the application; never exceed maximum pressure.
The maximum duration of extension is 2 hours (excluded HC).
**when cyl. mounted at a large angle, thrust first stage may become too high: see Hyva Tipper Program

cylinder stroke

extension	1	2	3	total stroke
effective diameter [mm]	77	61	45	
stroke [mm]	954	974	974	2900

tipping weight

tipping weight at maximum pressure of 170 bar and C is 140 mm



BL (body length);
OH (rear overhang);
X=Ycog (vert. pos. centre of gravity);
Qo (pivot length);
C (bracket length);

At = stroke x 60 / Qo

BL	4000			3700			3400		
OH	200	300	400	200	300	400	200	300	400
At	43	45	46	47	49	50	52	54	55
Ycog									
200	7	7	8	7	8	8	8	8	9
400	8	8	8	8	8	9	9	9	10
600	8	9	9	9	9	10	10		