

GEORG CYLINDER

FS18557K



Front end cylinder with yoke

type

GFH-SG 172-5-05630-009M-K1431

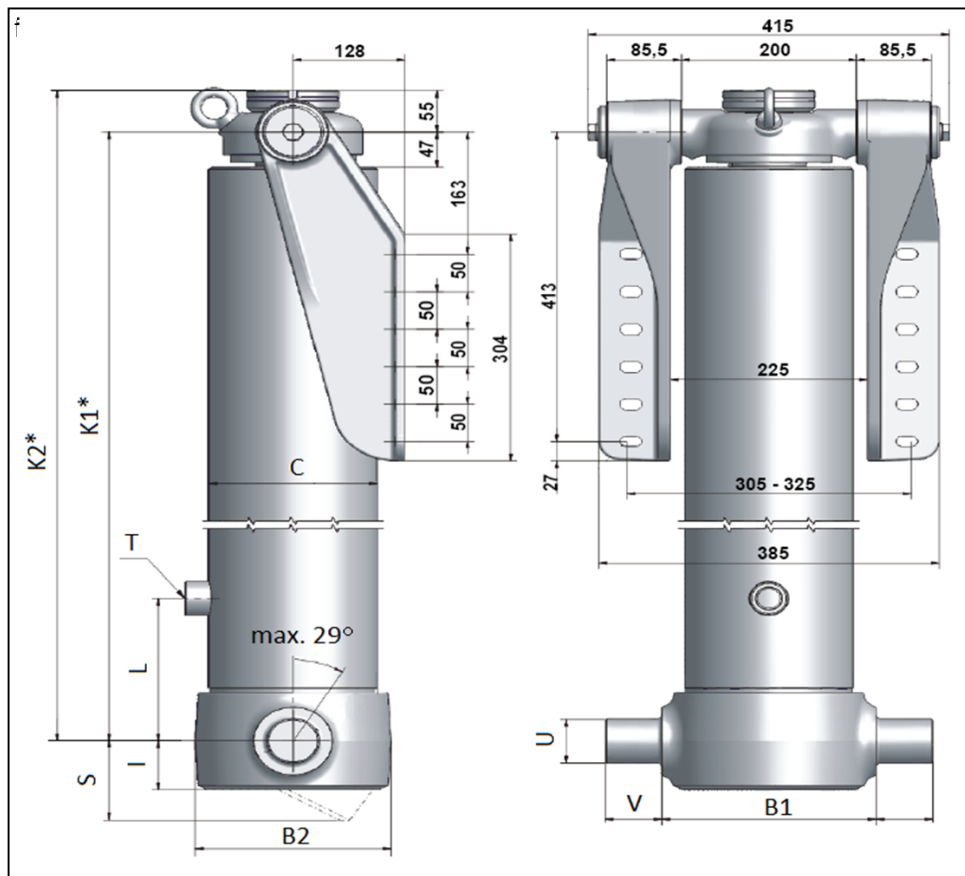
tipping weight

40-75 ton

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closed length (K)

1426-1461 mm



	1	2	
A			mm
B	245	224	mm
C	196		mm
D			mm
E			mm
F			mm
G*			mm
H*			mm
I	65		mm
J			mm
K*	1431	1486	mm
L	190		mm
M*			mm
N			mm
O			mm
P			mm
Q			mm
R			mm
S	107		mm
T	G1"		
U	60		mm
V	65		mm
W			mm
X			mm
Y			mm
Z			mm

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

specifications

weight cylinder only	285 kg
total volume	85 L
working volume	72 L
maximum pressure	250 bar
maximum pump flow	119 L/min
maximum cylinder angle to front	30 °
maximum thrust first stage**	35 ton

**when the cylinder is mounted at an angle, the thrust on the first stage may become too high: see Hyva Tipper Program

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) See mounting instruction CYL-0019 and oil spec. sheet OIL-0002 See bracket specification sheet 015BRA01.

extension	1	2	3	4	5	6	7	8	9	
effective diameter [mm]	172	150	129	110	85					total
stroke [mm]	1110	1130	1130	1130	1130					5630

tipping weight

tipping weight at maximum pressure of 250 bar and C is 229 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	7400			7100			6800		
	OH	200	500	800	200	500	800	200	500	800
	At	45	47	50	47	50	52	50	52	55
	Ycog									
	600	40	43	48	41	45	51	43	48	54
	900	43	47	53	45	50	57	47	53	63
	1200	46	52	60	49	56	66	52	61	75

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