

Preferred fields of application:

The single acting telescope cylinders are mainly used as tilting cylinders for agricultural trailers. It is necessary to use a stroke limiting valve to prevent the cylinder from reaching the enposition under pressure. Maximum tilting angle is 30°

Principle of konstruktion:

The specified types of hydraulic telescope cylinders are based on the construction principle of plunger cylinders. Tilting bolts with a gimblar are fixed on the ground tube. A bore for mounting is forseen on the end of the sallest rod. The stroke of the rod ids limited by retaining rings.

The nex wiping, sealing and guiding system guarantees less friction an an outstanding service life.

Maximum operating speed:

Up to 0,1 m/s

Sealing elements:

Polyurethan

Temperature range:

min. -10 ° Celsius
max + 80 ° Celsius.

Hydraulic pressure medium:

Standard mineral oils, biological oils (only after reales by WEBER-HYDRAULIK)
Viscosity 10 to 300 cSt.

Nominal pressure:

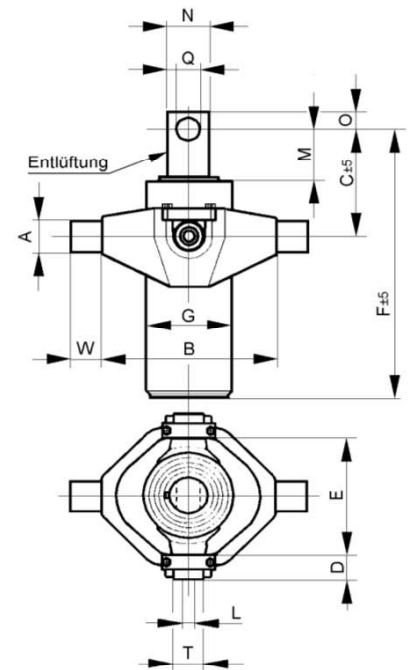
Working pressure 200 bar.
Test pressure 220 bar.

Permissible pressure force:

Permissible pressure force equvalnt maximum load of gimbal and must not be exceeded (Page 5)

Rod specification:

the single rod-stages are chrome-plated


Advantages:

Certificate according to ISO 9001, surface primer coated, rod-satges chrome plated, high nominal pressure, bleed air screw at piston 75 and up

Type: TZE 2B ...	stroke in mm ± 25 mm	Lifting powers				Dimensions																		
		Extensions				Gimbal							Cylinder											
		3,2 t	5,7 t	8,8 t	12,7 t	Gimbal Nr.	max. load in t	A Ø ± 1,5	B in mm	W in mm	C in mm	D in mm	E in mm ± 2	F in mm	G Ø	L	M in mm	N Ø	O in mm	Q Ø	T Ø - 2	kg weight	Oil volume in l	Weber ID. Nr. Incl. Cradle
4505	500	45	60	75	90	1	4	25	152	20	100	25	98	272	80	M 16x1,5	27	41,5	20	25,5	25	13,8	1,7	1808710
6005	500					2	5	30	165	25	120	25	114	400	95	M 16x1,5	45	53,5	25	30,5	30	20,0	2,2	1808770
7505	500					4	6	40	230	40	120	30	140	402	110	M 16x1,5	47	53,5	25	30,5	40	24,9	3,2	1808796

Grey marked types only after prior consultation referring minimum quantity and lead time