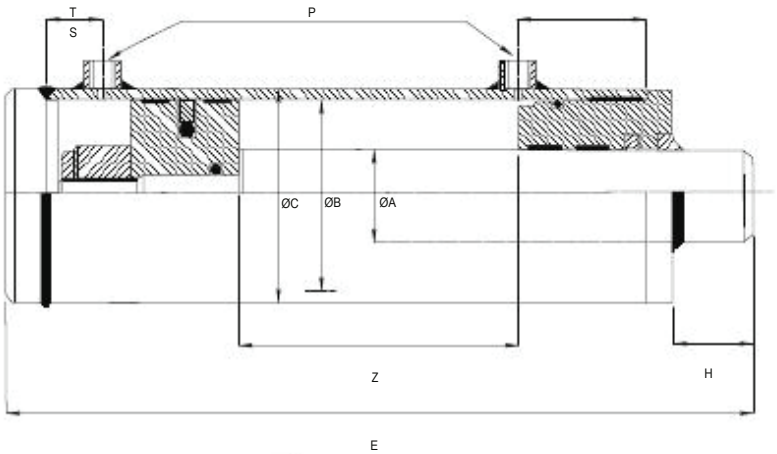
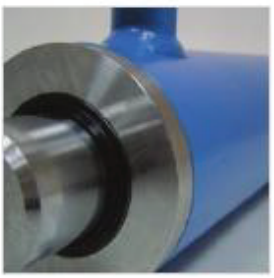
SERIES 300 - DOUBLE ACTING HYDRAULIC CYLINDER (NO ENDS)



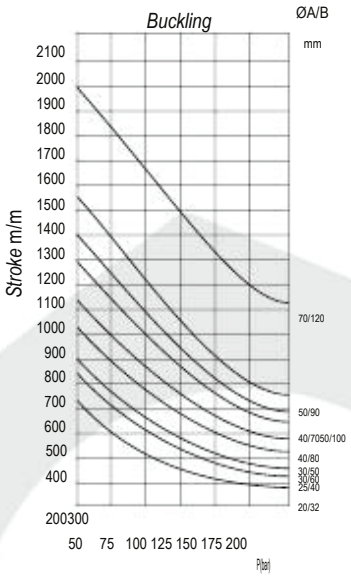


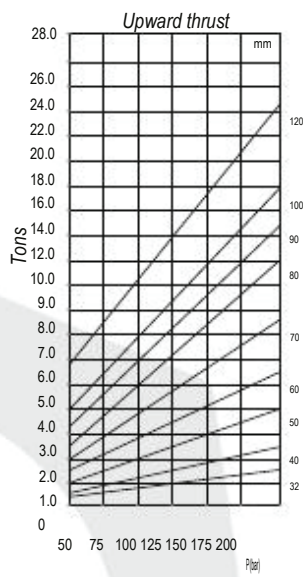
Working pressure: 180 bars.
Speed: 0.5 m/s.
Working temperature: -25ºC - +80ºC.
Oil: Mineral oil.
Rod: C45 f7 25 microns.
Tube: St52.3 Din2393 Iso H9

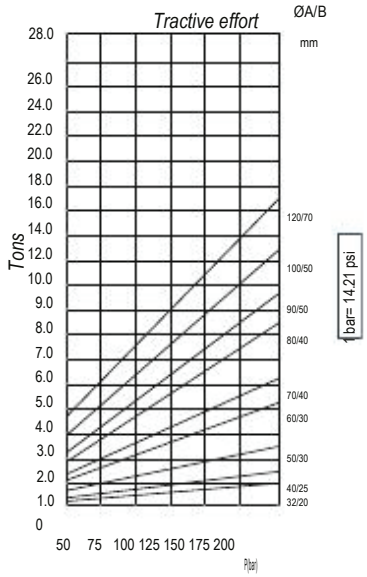
Volume = x r_2 x h (height)
Example = Cylinder 40-70/80-400 (mm)
3.5$_2$ x 3.14 x 0.04 (m.)
Total 1.5386 litres

Push Force = x r_2 x pressure (bar)
Example = Cylinder 40-70/80
3.5$_2$ x 3.14 x 150 (bar)
Total 5.769.75 Kgs

Push Force = x r_2 x pressure (bar)
Example = Cylinder 40-70/80
Calculate Rod Area: 3.14 x 2.0$_2$ = 12,56
Calculate Tube Area: 3.14 x 3.5$_2$= 38.465
Subtract Areas: 38,465-12,56= 25,905
Strength: 25,905 x 150 (bar) = 3885.79







Referencia *Reference*	ØA	Z Carrera *Stroke*	E	B	C	H	T	S	P	Vol. (litros) *(liters)*	Peso *Weight* Kgs.
300/010	20	100	233	32	40	46	10	33	1/4"	0.10	1.90
300/020		200	333							0.16	2.50
300/030		300	433							0.24	3.10
301/020	25	200	345	40	50	30	16	42	3/8"	0.25	3.50
301/030		300	445							0.38	4.50
301/040		400	545							0.50	5.50
301/050		500	645							0.69	6.50
301/060		600	745							0.76	7.50
301/070		700	845							0.88	8.50
302/020	30	200	370	50	60	47	20	43	3/8"	0.39	4.90
302/030		300	470							0.59	6.20
302/040		400	570							0.79	7.50
302/050		500	670							0.98	8.80
302/060		600	770							1.18	10.10
302/070		700	870							1.37	11.40
303/020		200	371	60	70	46		47	3/8"	0.57	6.20
303/030		300	471							0.85	7.50
303/040		400	571							1.13	8.90
303/050		500	671							1.41	10.30
303/060		600	771							1.70	11.60
303/070		700	871							1.98	13.00
304/020	40	200	371	70	80	34	26	51	3/8"	0.77	8.70
304/030		300	471							1.15	10.60
304/040		400	571							1.54	12.60
304/050		500	671							1.92	14.50
304/060		600	771							2.31	16.40
304/070		700	871							2.69	18.30
305/020		200	371	80	90	21		56	3/8"	1.01	11.60
305/030		300	471							1.51	13.80
305/040		400	571							2.01	16.10
305/050		500	671							2.51	18.40
305/060		600	771							3.02	20.60
305/070		700	871							3.52	22.90
306/020	50	200	382	90	100	28		60	3/8"	1.27	14.10
306/030		300	482							1.91	17.05
306/040		400	582							2.54	20.10
306/050		500	682							3.17	23.15
306/060		600	782							3.80	26.20
306/070		700	882							4.43	29.35
307/030		300	487	100	115	25		67	1/2"	2.36	23.90
307/040		400	587							3.14	27.40
307/050		500	687							3.94	30.90
307/060		600	787							4.74	34.50
307/070		700	887							5.54	38.00
308/040	70	400	655	120	140	39	30	67	1/2"	4.23	50.10
308/050		500	755							5.65	57.25
308/060		600	855							7.07	64.50
308/070		700	955							8.49	71.80

* Unidades en milímetros.
Units in milimeters.