



CILINDROS HIDRAULICOS
Hydraulic Cylinders

CILINDROS DE DOBLE EFECTO

Cilindro hidráulico de doble efecto standard. Tabla de medidas
Cilindro hidráulico de doble efecto standard.
Cilindro hidráulico de doble efecto standard. Accesorios (1).
Cilindro hidráulico de doble efecto standard. Accesorios (2).

DOUBLE ACTING HYDRAULIC CYLINDERS

Double acting hydraulic cylinders. Table of dimensions.
Double acting hydraulic cylinders.
Double acting hydraulic cylinders. Accessories (1).
Double acting hydraulic cylinders. Accessories (2).

MODELO Model	REF. Ref.	ØA	ØB	Z CARRERA Stroke	E	C	ØD	F	ØG	H	ØI	J	K	L	M	PESO Kg Weight Kg	VOL (l) Vol (l)
DE-20-32-100-ST	7110			100	255											1,8	0,12
DE-20-32-150-ST	7115	20	32	150	305	17	16,2	35	40	48	30	38	34	13	1/4"	2,1	0,15
DE-20-32-200-ST	7120			200	355											2,4	0,18
DE-25-40-200-ST	7220			200	370											3,9	0,25
DE-25-40-300-ST	7230	25	40	300	470	17,5	20,2	40	50	56,5	35	37,5	44	19	3/8"	4,8	0,38
DE-25-40-400-ST	7240			400	570											5,8	0,50
DE-30-50-200-ST	7320			200	400											5,7	0,39
DE-30-50-300-ST	7330			300	500											6,9	0,59
DE-30-50-400-ST	7340	30	50	400	600	22	25,2	45	60	75	40	46	43	19	3/8"	8,1	0,79
DE-30-50-500-ST	7350			500	700											9,3	1,00
DE-30-50-600-ST	7360			600	800											10,5	1,20
DE-30-60-200-ST	7420			200	400											6,9	0,57
DE-30-60-300-ST	7430			300	500											8,3	0,85
DE-30-60-400-ST	7440	30	60	400	600	22	25,2	45	70	75	40	44	44	19	3/8"	9,6	1,13
DE-30-60-500-ST	7450			500	700											10,9	1,41
DE-30-60-600-ST	7460			600	800											12,2	1,70
DE-30-60-700-ST	7470			700	900											13,5	1,98
DE-40-70-200-ST	7520			200	410											10,2	0,80
DE-40-70-300-ST	7530			300	510											12,1	1,18
DE-40-70-400-ST	7540			400	610											14,0	1,56
DE-40-70-500-ST	7550	40	70	500	710	28	30,5	55	80	72	50	51	49	19	3/8"	15,9	1,94
DE-40-70-600-ST	7560			600	810											17,8	2,32
DE-40-70-700-ST	7570			700	910											19,7	2,70
DE-40-80-300-ST	7630			300	510											14,1	1,50
DE-40-80-400-ST	7640			400	610											16,1	2,00
DE-40-80-500-ST	7650	40	80	500	710	28	30,5	55	90	68	50	49	54	19	3/8"	18,1	2,50
DE-40-80-600-ST	7660			600	810											20,1	3,00
DE-40-80-700-ST	7670			700	910											22,1	3,50
DE-50-100-400-ST	7740			400	625											28,3	3,15
DE-50-100-500-ST	7750			500	725											31,8	3,95
DE-50-100-600-ST	7760	50	100	600	825	28	30,5	70	115	75	60	49	59	19	3/8"	35,3	4,75
DE-50-100-700-ST	7770			700	925											38,8	5,55
DE-50-100-800-ST	7780			800	1025											42,3	6,35
DE-50-100-900-ST	7790			900	1125											45,8	7,15
DE-70-120-400-ST	7840			400	670											53,3	4,5
DE-70-120-500-ST	7850			500	770											59,5	5,7
DE-70-120-600-ST	7860			600	870											65,7	6,8
DE-70-120-700-ST	7870	70	120	700	970	40	40,5	80	140	73	80	65	80	19	1/2"	72,0	7,9
DE-70-120-800-ST	7880			800	1070											78,2	9,0
DE-70-120-900-ST	7890			900	1170											84,4	10,2
DE-70-120-1000-ST	7800			1000	1270											90,6	11,3

(Consultar disponibilidad de otras carreras)



DATOS TECNICOS

CARACTERISTICAS CONSTRUCTIVAS

VASTAGO

- Material: F1140 (CK45)
- Acabado: Rectificado y cromado f7.
- Espesor capa de cromo 25 micras.

CAMISA

- Material: E-355
- Acabado interior: H9

CABEZA CIERRE

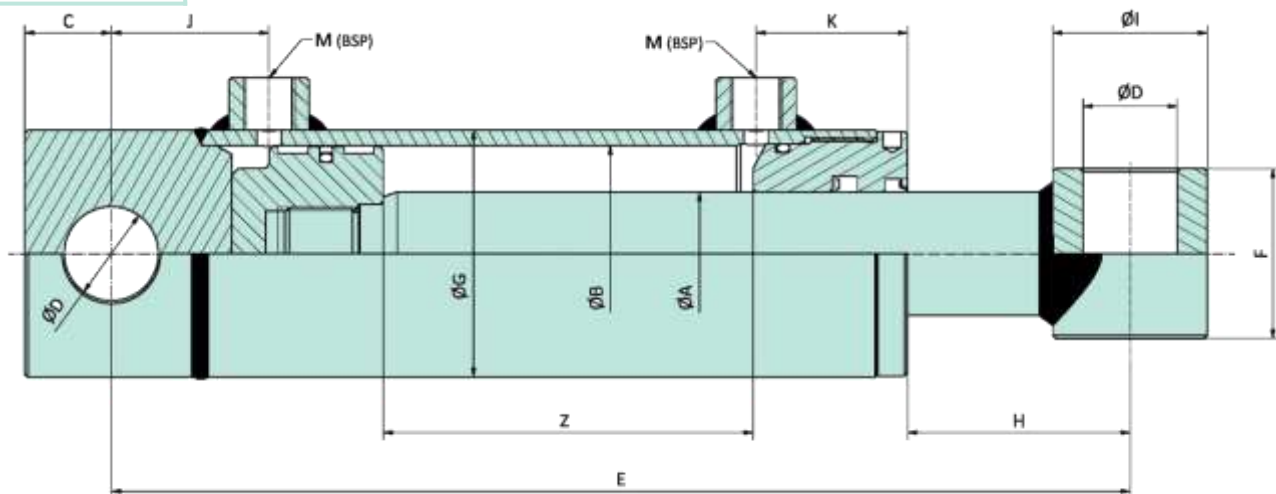
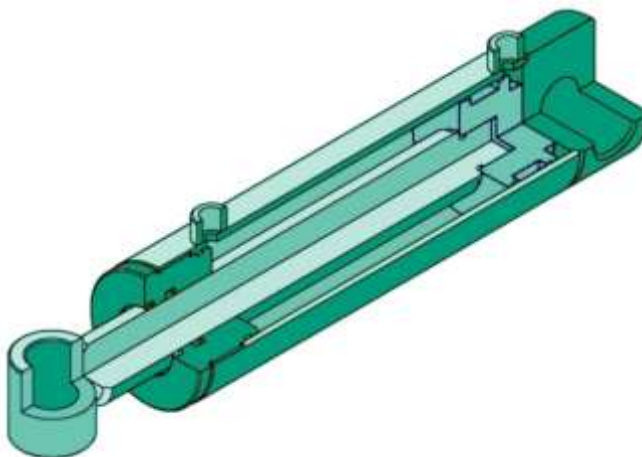
- Material: E-355 nitrurado

ELEMENTOS ESTANQUEIDAD

- Junta vástago doble labio en poliuretano
- Rascador en poliuretano
- Junta de pistón compacta doble efecto monoblock
- Cierres estáticos mediante anillos tóricos NBR 90 Sh.

CARACTERISTICAS FUNCIONALES

- Presión de trabajo máxima: 200 bar
- Velocidad máxima: 0,5 m/seg
- Temperatura de servicio:
- Aceite hidráulico base mineral



Technical Data

Raw Materials Characteristics

ROD

- Steel: F1140 (CK45)
- Hard chrome rectified
- Chromium layer 25 microns.

TUBE

- Steel: E-355
- Internal finishing: H9

GUIDE-BUSHING

- Steel: E-355 nitride hardening

SEALS

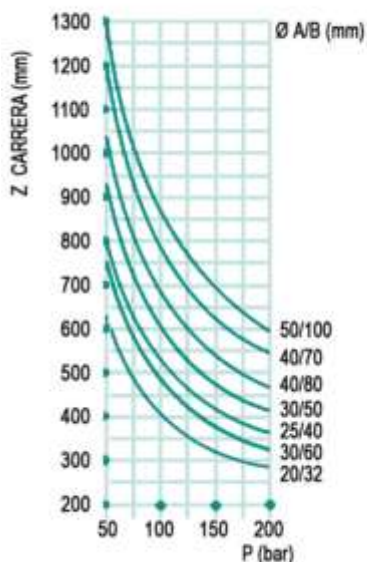
- Rod seal: solid thermoplastic polyurethane seal with double lip
- Scraper in polyurethane
- Piston seal: monoblock polyurethane seal plus rubber O-ring and guide seals.
- Static: NBR rubber O-ring 90 Sh.

Functional characteristics

- Maximum working pressure: 200 bar
- Maximum working speed: 0,5 m/seg
- Temperature:
- Oil: mineral hydraulic

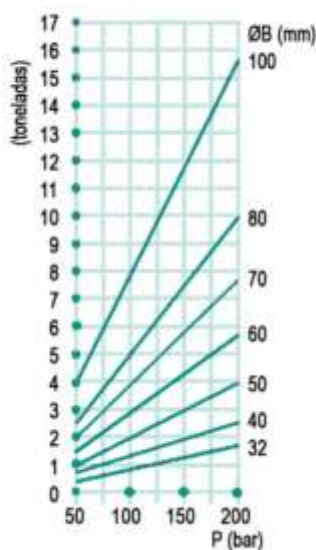
PANDEO

Buckling



FUERZA DE EMPUJE

Upward thrust



FUERZA DE TRACCION

Downward thrust

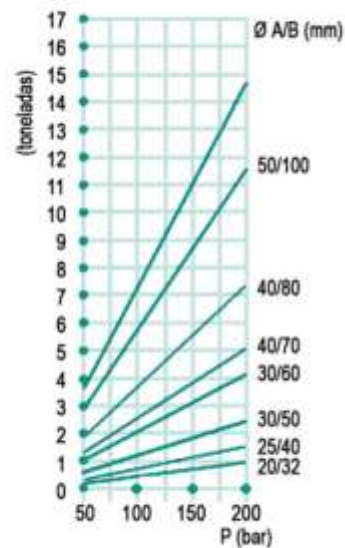

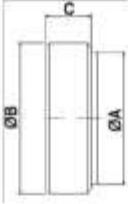



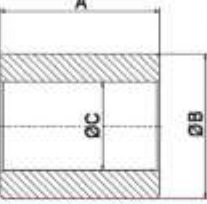

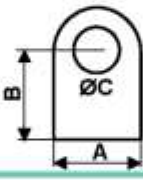

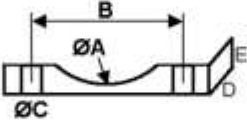

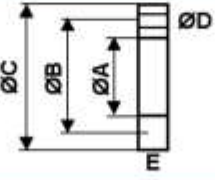

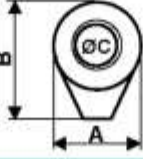

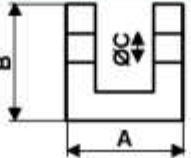
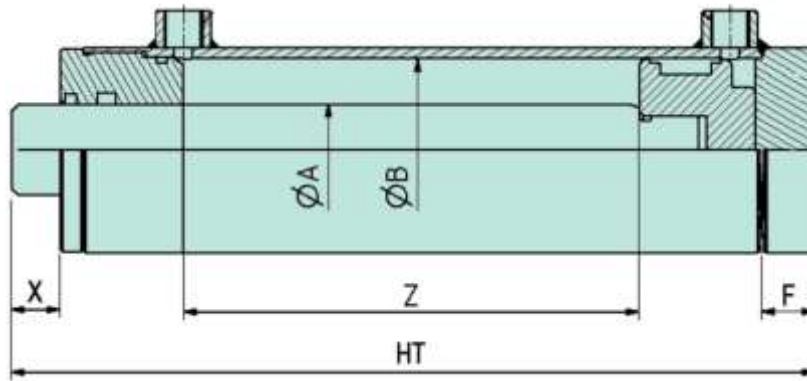


FOTO Photo	REFERENCIA Reference	DIBUJO Drawing	A	B	C	D	E
	Tapa trasera		32	40	12	--	--
			40	50	12	--	--
			50	60	12	--	--
			60	70	12	--	--
			70	80	12	--	--
			80	90	12	--	--
			100	115	12	--	--
	Tapón trasero taladrado		32	40	35	20	--
			40	50	35	20	--
			50	60	44	25	--
			60	70	44	25	--
			70	80	55	30	--
			80	90	55	30	--
			100	115	55	30	--
	Casquillo		35	30	16	--	--
			40	35	20	--	--
			45	40	25	--	--
			55	50	30	--	--
			70	60	30	--	--
	Orejeta		A definir por el cliente				
	Pata		A definir por el cliente				
	Brida		A definir por el cliente				
	Rótula standard. Vástago y cuerpo.		Consultar medidas				
	Horquilla		Consultar medidas				



REFERENCIA	Ø A VASTAGO	Ø B PISTON	Z CARRERA	F min	X min	HT min
Reference	Rod	Piston	Stroke	F min	X min	HT min
51020032XXXX-01	20	32	0-4000	12	13	Z + 116
51025040XXXX-01	25	40	0-4000	12	13	Z + 116
51030050XXXX-01	30	50	0-4000	14	13	Z + 121
51030060XXXX-01	30	60	0-4000	14	13	Z + 123
51040070XXXX-01	40	70	0-4000	16	13	Z + 129
51040080XXXX-01	40	80	0-4000	16	13	Z + 135
51050100XXXX-01	50	100	0-3000	18	13	Z + 143