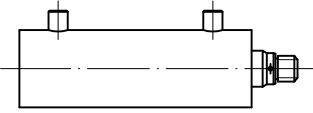
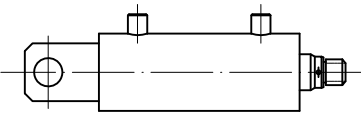
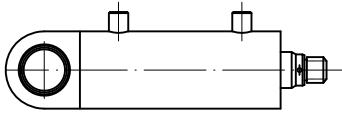
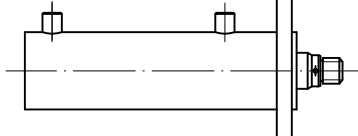
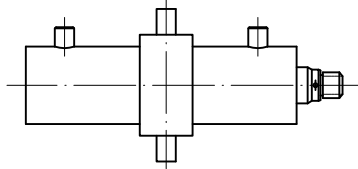
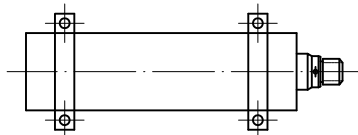
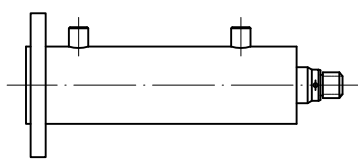
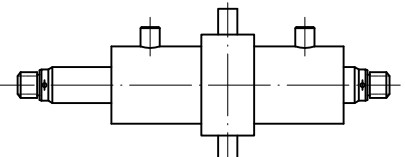
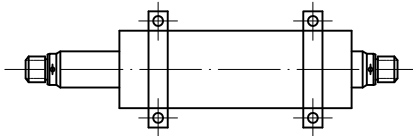
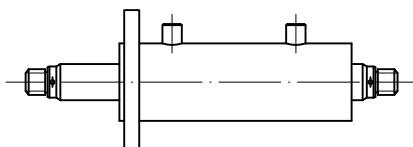


CARACTERISTICAS TECNICAS	
PRESION	PRESION MINIMA DE TRABAJO: 10 bar
	PRESION DE TRABAJO CONTINUO: 210 bar
	PRESION DE PRUEBA EN FABRICA: 280 bar
VELOCIDADES	ESTOS CILINDROS ESTAN PREPARADOS EN JUNTAS Y MATERIALES PARA TRABAJAR A VELOCIDADES MAXIMAS COMPRENDIDAS ENTRE 25 Y 30 m/minuto
TEMPERATURA	TEMPERATURA MINIMA: -20°C
	TEMPERATURA MAXIMA: +70°C
	PARA TEMPERATURAS MAS ALTAS CONSULTAR PROVEEDOR
FLUIDOS	ACEITES MINERALES DE VISCOSIDAD ISO VG 32, 46, 68
TIPOS DE SUJECION	9 FIJACIONES DIFERENTES (Pg. 4)

DESIGNACION DE CILINDROS CNV				
<div> <div>CNV 40-</div> <div>28-</div> <div>500-</div> <div>DT-</div> <div>CHM40</div> </div>				
DIAMETRO INTERIOR DEL CILINDRO				
DIAMETRO DEL VASTAGO				
CARRERA				
TIPO FIJACION DEL CILINDRO				
TIPO FIJACION VASTAGO				

El ejemplo anterior muestra la elección de un cilindro hidráulico de diámetro interior 40mm., diámetro del vástago 28, carrera 500mm. fijación del cilindro por charnela y fijación del vástago chape macho.

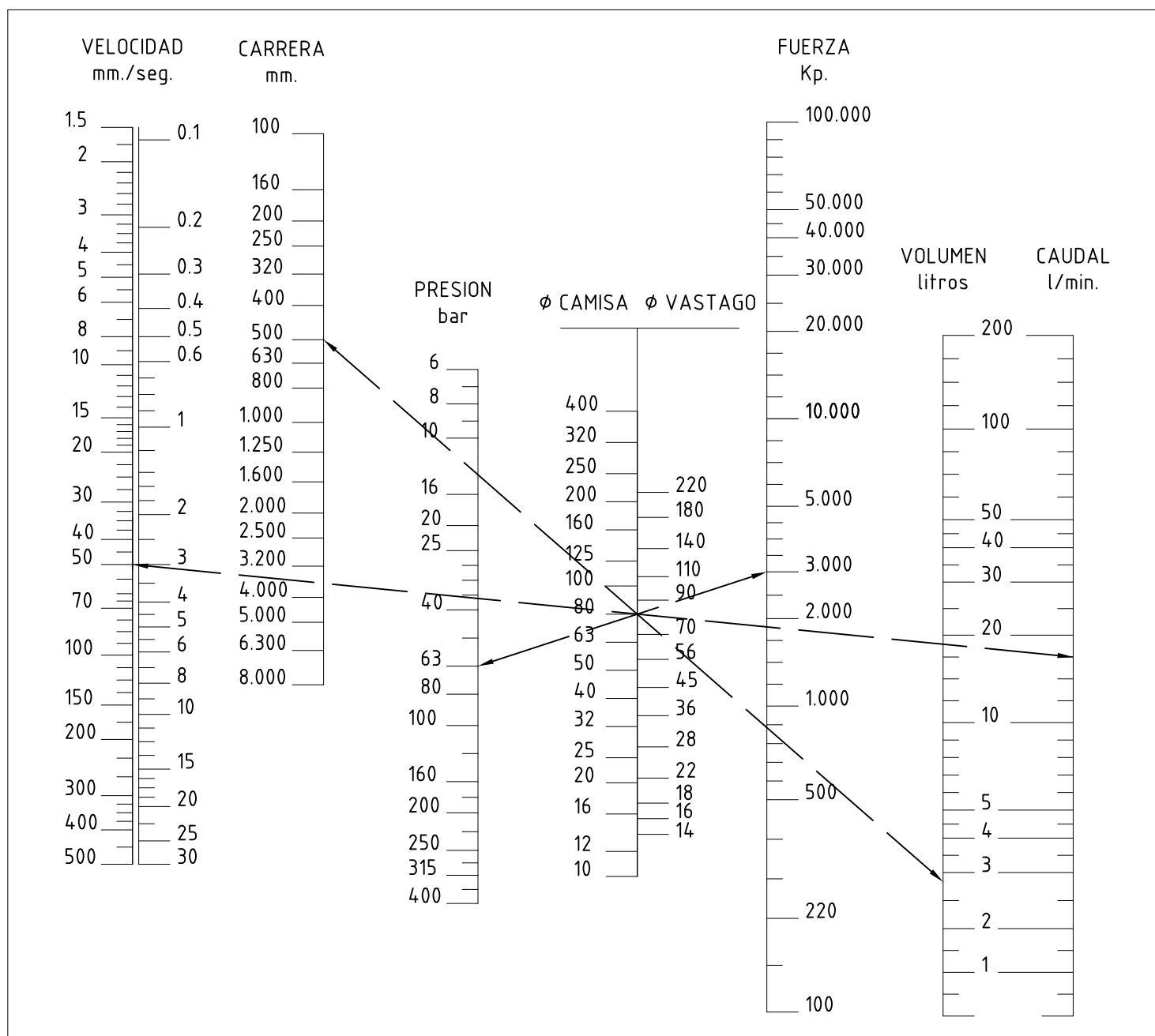
TIPOS DE SUJECIONES

SIN SUJECIÓN	DN	
CON CHARNELA	DT	
CON ROTULA	DR	
CON BRIDA DELANTERA	DPD	
CON MUÑONES	DM	
CON PATAS	DS	
CON BRIDA POSTERIOR	DPP	
MUÑONES Y DOBLE VÁSTAGO	DM-DV	
PATAS Y DOBLE VÁSTAGO	DS-DV	
BRIDA Y DOBLE VÁSTAGO	DP-DV	

ABACO PARA LA ELECCION DEL CILINDRO

DIAMETROS	32-16	40-22	50-28	63-36	80-45	100-56	125-70	160-90	200-110	250-140
Sección total	8.04	12.56	19.36	31.17	50.26	78.53	122.71	201.06	314.16	490.87
Vást. normal	2.01	3.80	6.15	10.17	15.90	24.63	38.48	63.61	95.03	153.90
Secci. anular	6.03	8.78	13.48	21	34.36	53.90	84.23	137.45	219.13	336.97

DIAMETROS	32-20	40-28	50-36	63-45	80-56	100-70	125-90	160-110	200-140	250-180
V. diferencial	3.14	6.15	10.17	15.90	24.63	38.48	63.61	95.03	153.90	254.40
Secci. anular	4.90	6.41	9.46	15.27	25.63	40.05	59.10	106.03	160.26	236.40
roscas gas	1/4"	3/8"	3/8"	1/2"	1/2"	3/4"	3/4"	1"	1 1/4"	1 1/4"

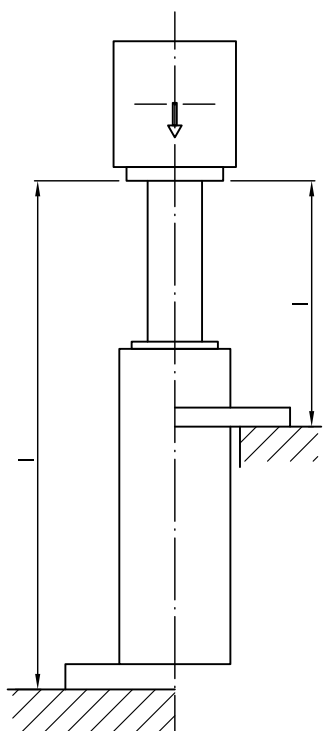


MONTAJE DEL CILINDRO

En muchos casos y sobre todo en carreras muy grandes se hace necesario efectuar el cálculo numérico de seguridad para los esfuerzos de pandeo. Puede darse el caso de que el esfuerzo teórico que esté desarrollando un cilindro de acuerdo con su presión de trabajo y la superficie del émbolo, no pueda ser realizado en la práctica, debido al peligro de pandeo.

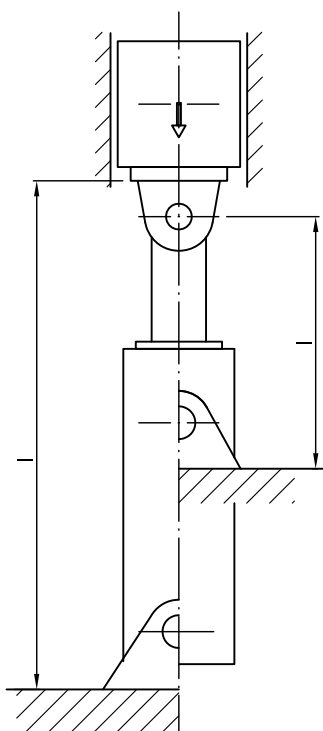
CASO 1

Un extremo libre
y otro fijo



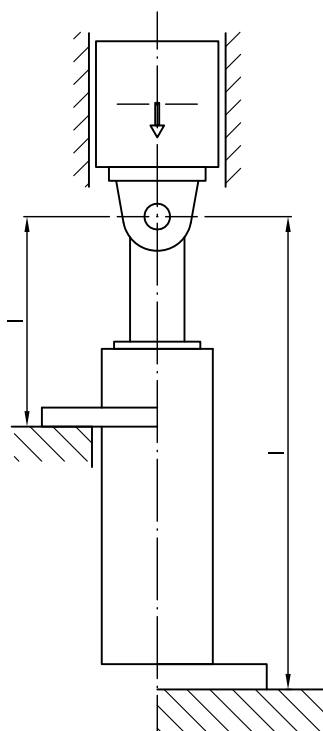
CASO 2

Dos extremos
articulados



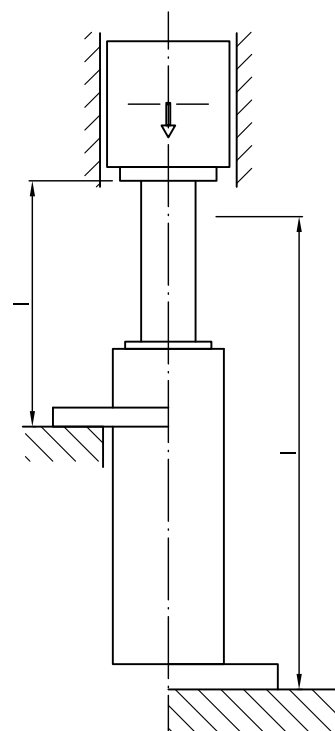
CASO 3

Un extremo articulado
y otro fijo



CASO 4

Los dos extremos
fijos



	CASO 1	CASO 2	CASO 3	CASO 4
FORMA DE SUJECION	DPD, DPP, DS	DT, DR, DM	DPD, DPP, DS	DPD, DPP, DS
LONGITUD LIBRE DE PANDEO SK	$SK = 2I$	$SK = I$	$SK = 0.707I$	$SK = I/2$

I: LONGITUD EXTENDIDA DEL VASTAGO

CILINDROS HIDRAULICOS

CNV

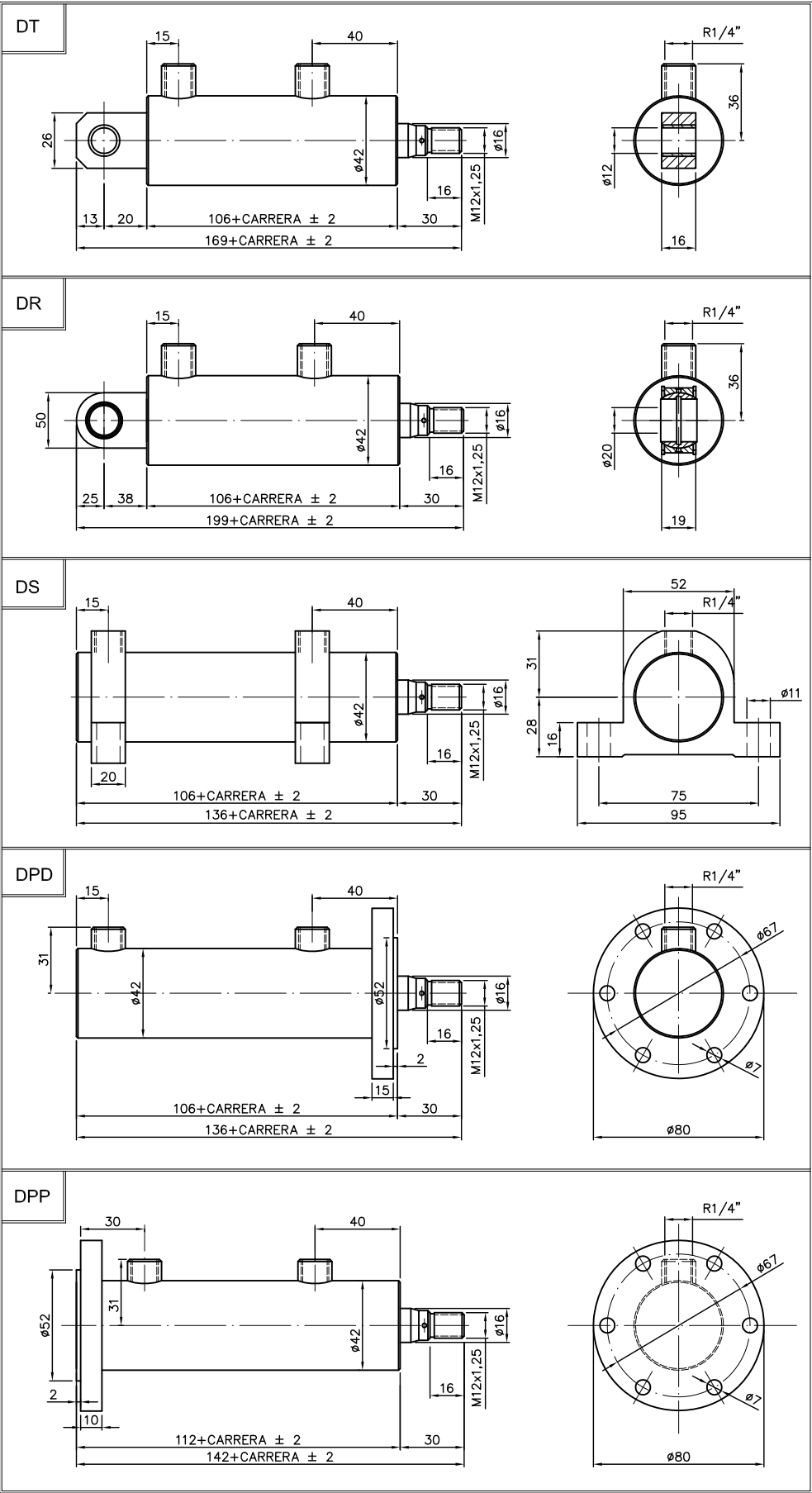
FLUID EMPORDA S.L.

Tel. 972525053 - Fax. 972525458

POL. IND. PONT DEL PRINCEP C/ LLEVANT, 14
17469 VILAMALLA (GIRONA)



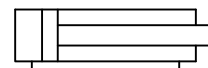
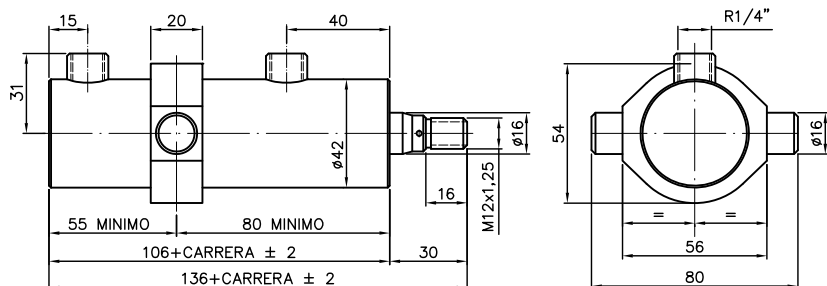
CNV 32



PRESION NOMINAL				PRESION MAXIMA		
210 bar				280 bar		
PISTON	DIAMETRO			32		mm.
	SECCION			10		cm. ²
VASTAGO	DIAMETRO			16		mm.
	SECCION			5		cm. ²
	SECCION ANULAR			5		
PRESION		50	100	150	210	Kg./cm. ²
EMPUJE PISTON		500	1000	1500	2100	Kg.
TRACCION VASTAGO		250	500	750	1050	

DM

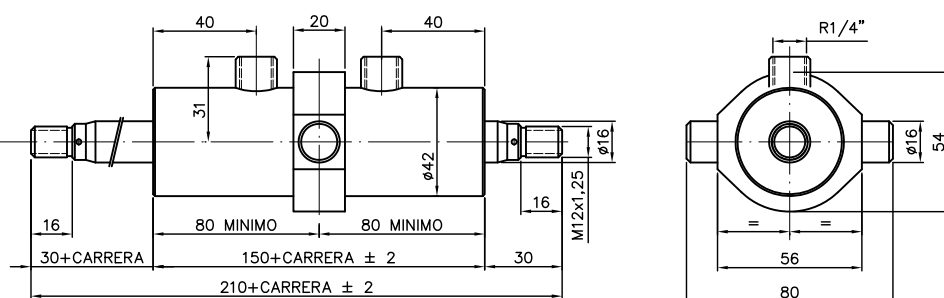
CARRERA MINIMA 35



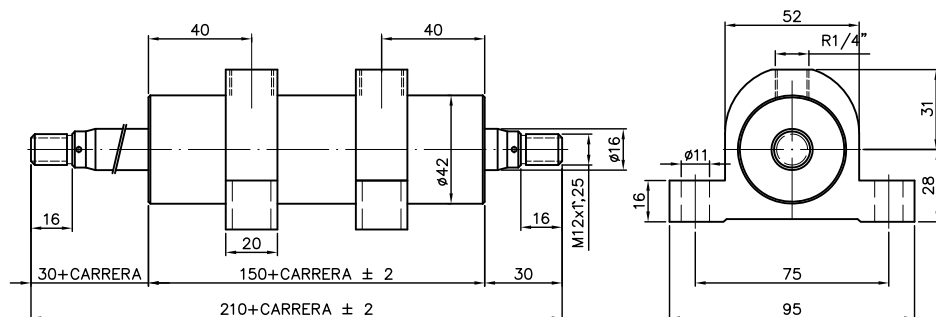
CNV 32

DM-DV

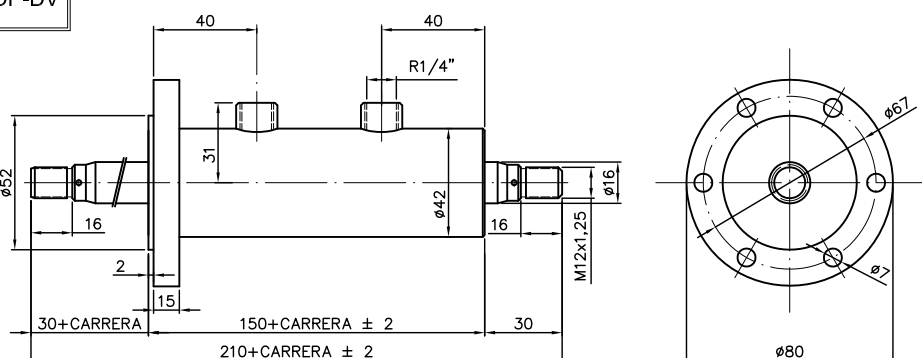
CARRERA MINIMA 35



DS-DV



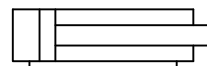
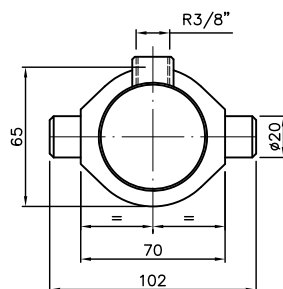
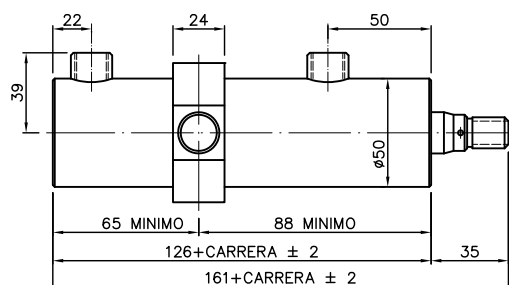
DP-DV



PRESION NOMINAL				PRESION MAXIMA		
210 bar				280 bar		
PISTON	DIAMETRO			32	mm.	
	SECCION			10	cm. ²	
VASTAGO	DIAMETRO			16	mm.	
	SECCION			5	cm. ²	
	SECCION ANULAR			5		
PRESION		50	100	150	210	Kg./cm. ²
EMPUJE PISTON		500	1000	1500	2100	Kg.
TRACCION VASTAGO		250	500	750	1050	

DM

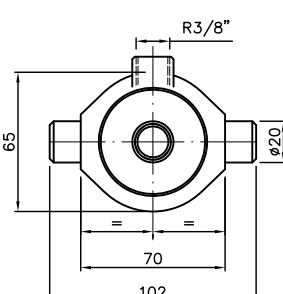
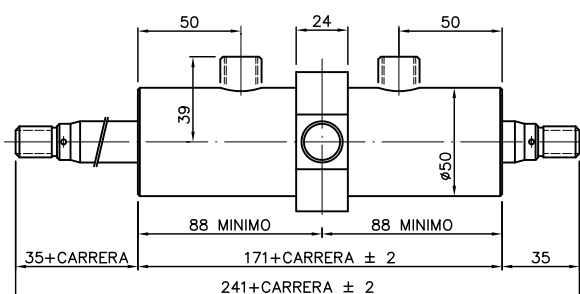
CARRERA MINIMA 40



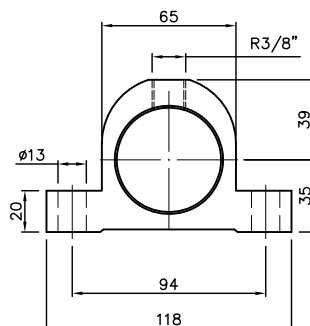
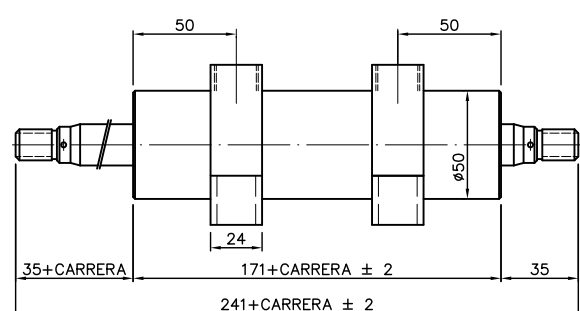
CNV 40

DM-DV

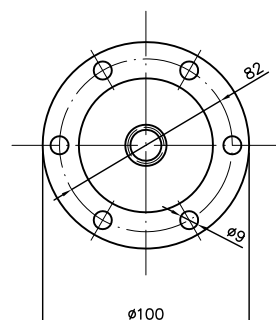
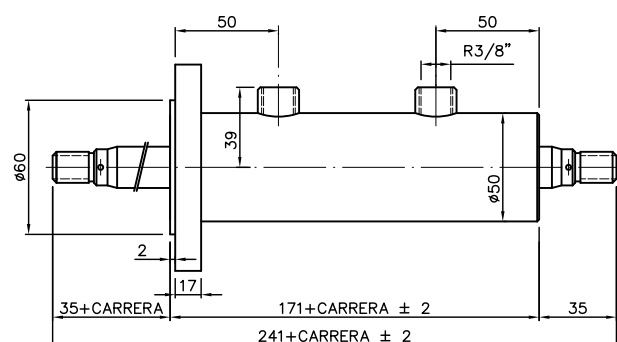
CARRERA MINIMA 40



DS-DV

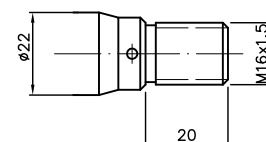


DP-DV

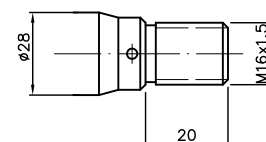


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	40		mm.	
	SECCION	12,6		cm. ²	
VASTAGO	DIAMETRO	22	28	mm.	
	SECCION	3,8	6,2	cm. ²	
	SECCION ANULAR	8,8	6,4	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	630	1260	1890	2646	
TRACCION VASTAGO Ø22	440	880	1320	1848	Kg.
TRACCION VASTAGO Ø28	320	640	960	1344	

VASTAGO Ø 22

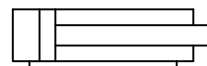
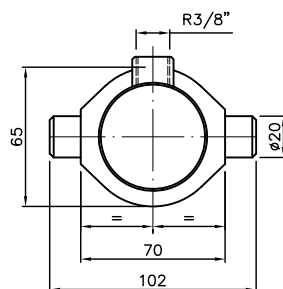
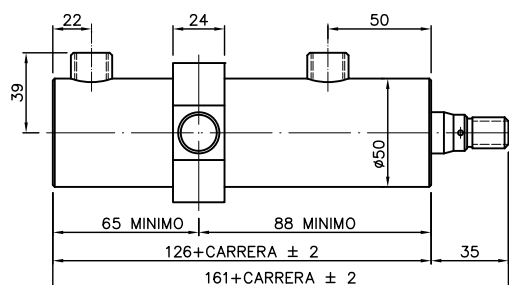


VASTAGO REFORZADO Ø 28



DM

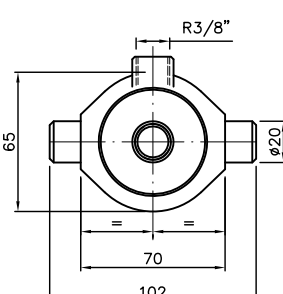
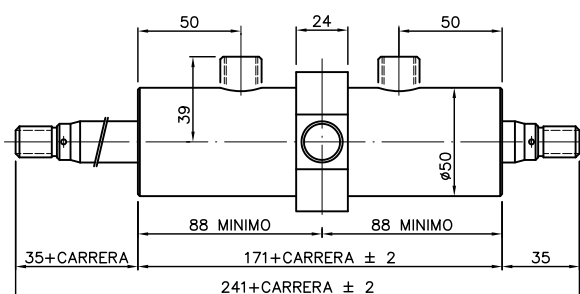
CARRERA MINIMA 40



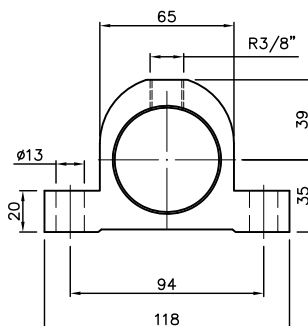
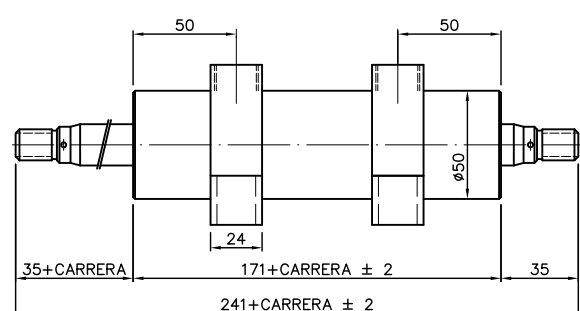
CNV 40

DM-DV

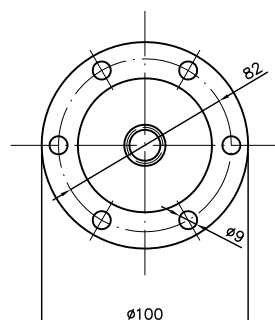
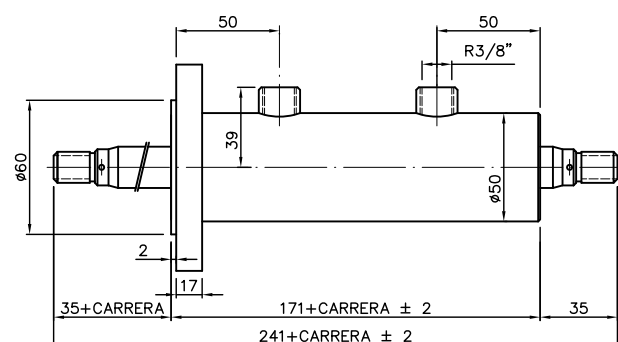
CARRERA MINIMA 40



DS-DV

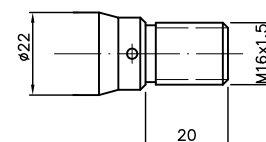


DP-DV

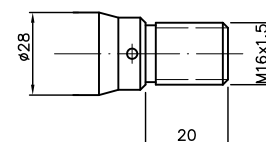


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	40		mm.	
	SECCION	12,6		cm. ²	
VASTAGO	DIAMETRO	22	28	mm.	
	SECCION	3,8	6,2	cm. ²	
	SECCION ANULAR	8,8	6,4		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	630	1260	1890	2646	
TRACCION VASTAGO Ø22	440	880	1320	1848	Kg.
TRACCION VASTAGO Ø28	320	640	960	1344	

VASTAGO Ø 22

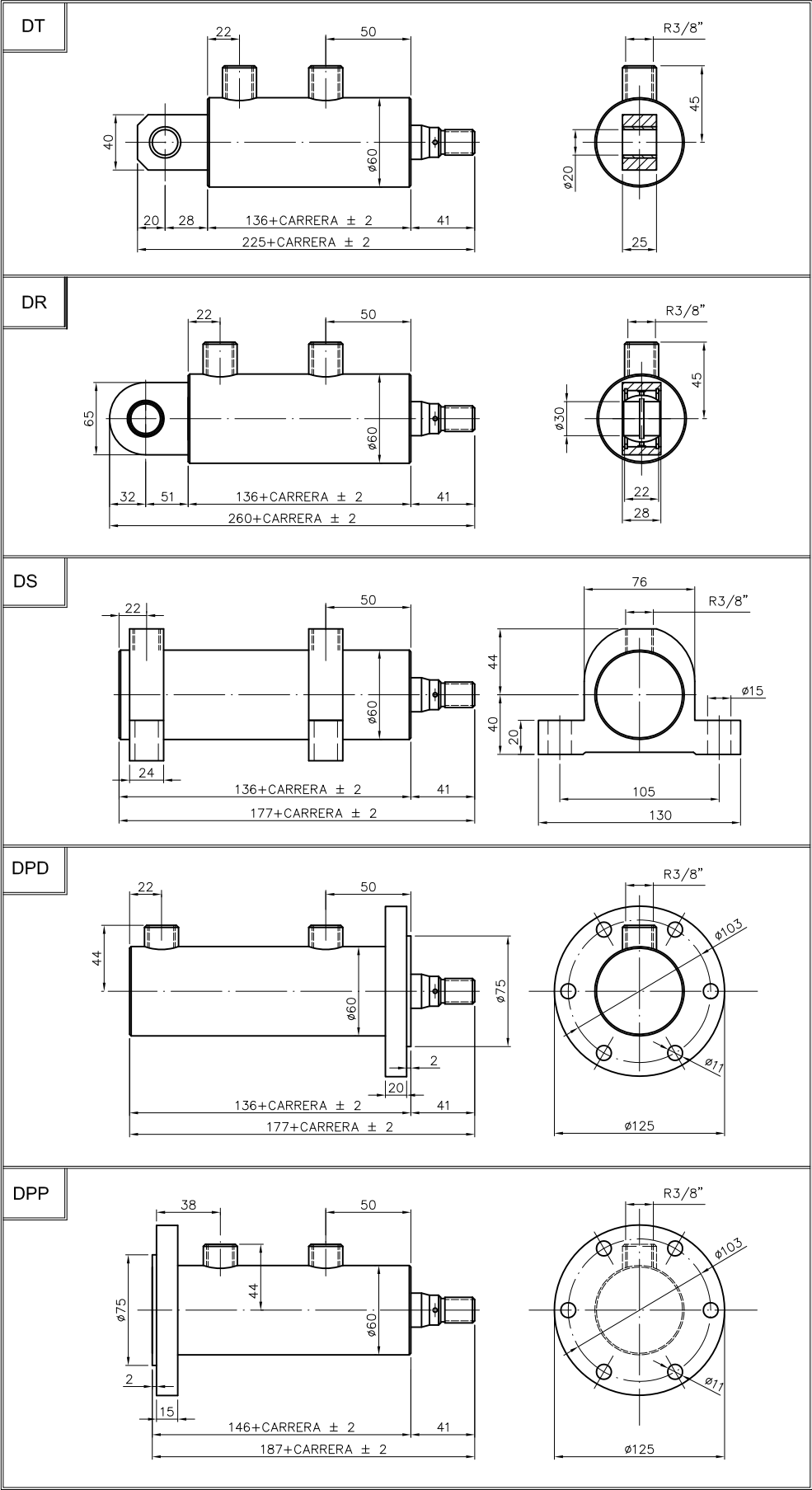
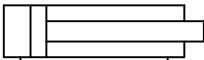


VASTAGO REFORZADO Ø 28



CILINDROS HIDRAULICOS

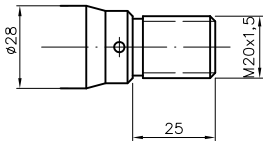
CNV

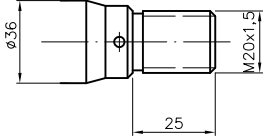
CNV 50

PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	50		mm.	
	SECCION	19,6		cm. ²	
VASTAGO	DIAMETRO	28	36	mm.	
	SECCION	6,2	10,2	cm. ²	
	SECCION ANULAR	13,4	9,4		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	980	1960	2940	4116	Kg.
TRACCION VASTAGO Ø28	670	1340	2010	2814	
TRACCION VASTAGO Ø36	470	940	1410	1974	

VASTAGO Ø 28

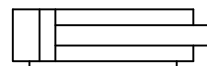
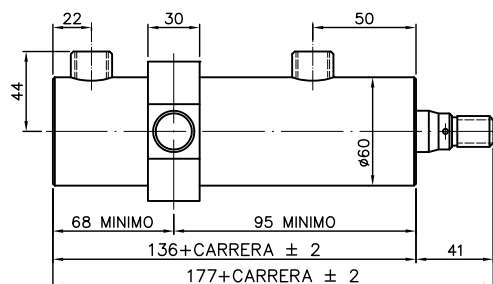


VASTAGO REFORZADO Ø 36



DM

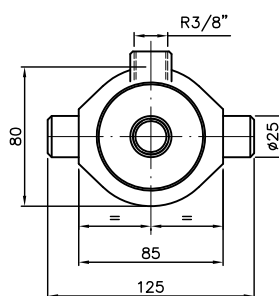
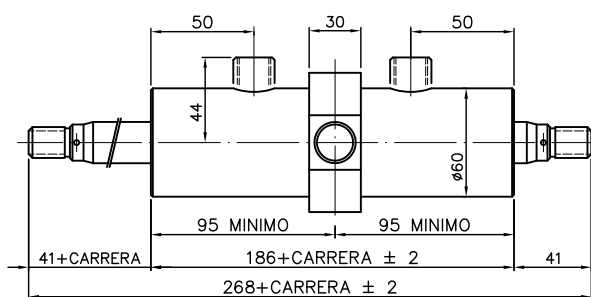
CARRERA MINIMA 40



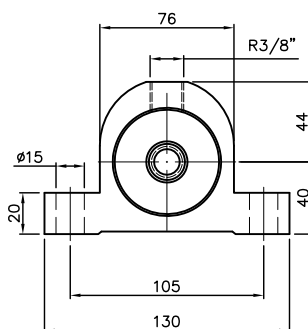
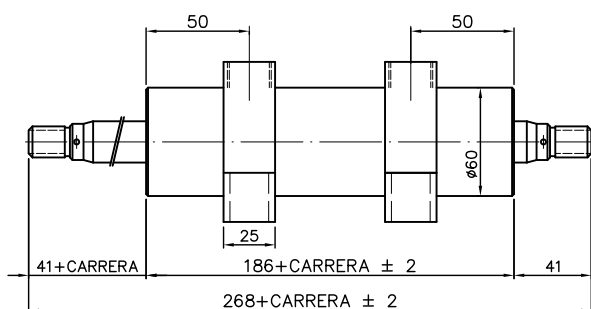
CNV 50

DM-DV

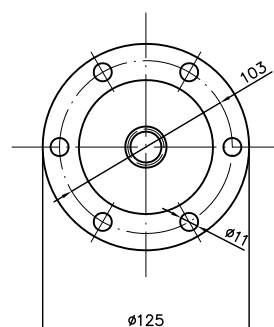
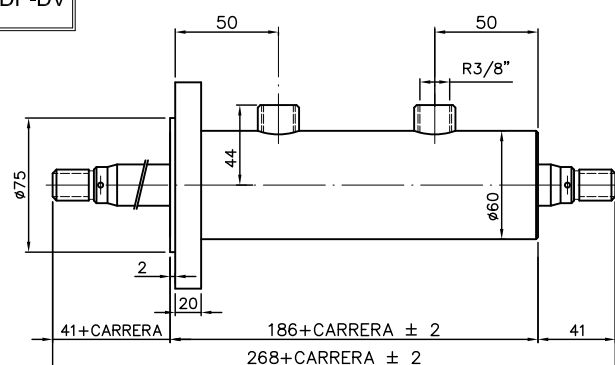
CARRERA MINIMA 45



DS-DV

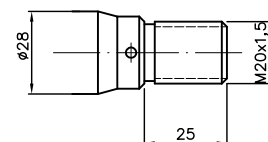


DP-DV

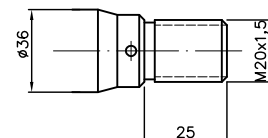


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	50		mm.	
	SECCION	19,6		cm. ²	
VASTAGO	DIAMETRO	28	36	mm.	
	SECCION	6,2	10,2	cm. ²	
	SECCION ANULAR	13,4	9,4	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	980	1960	2940	4116	Kg.
TRACCION VASTAGO Ø28	670	1340	2010	2814	
TRACCION VASTAGO Ø36	470	940	1410	1974	

VASTAGO Ø 28



VASTAGO REFORZADO Ø 36



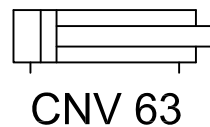
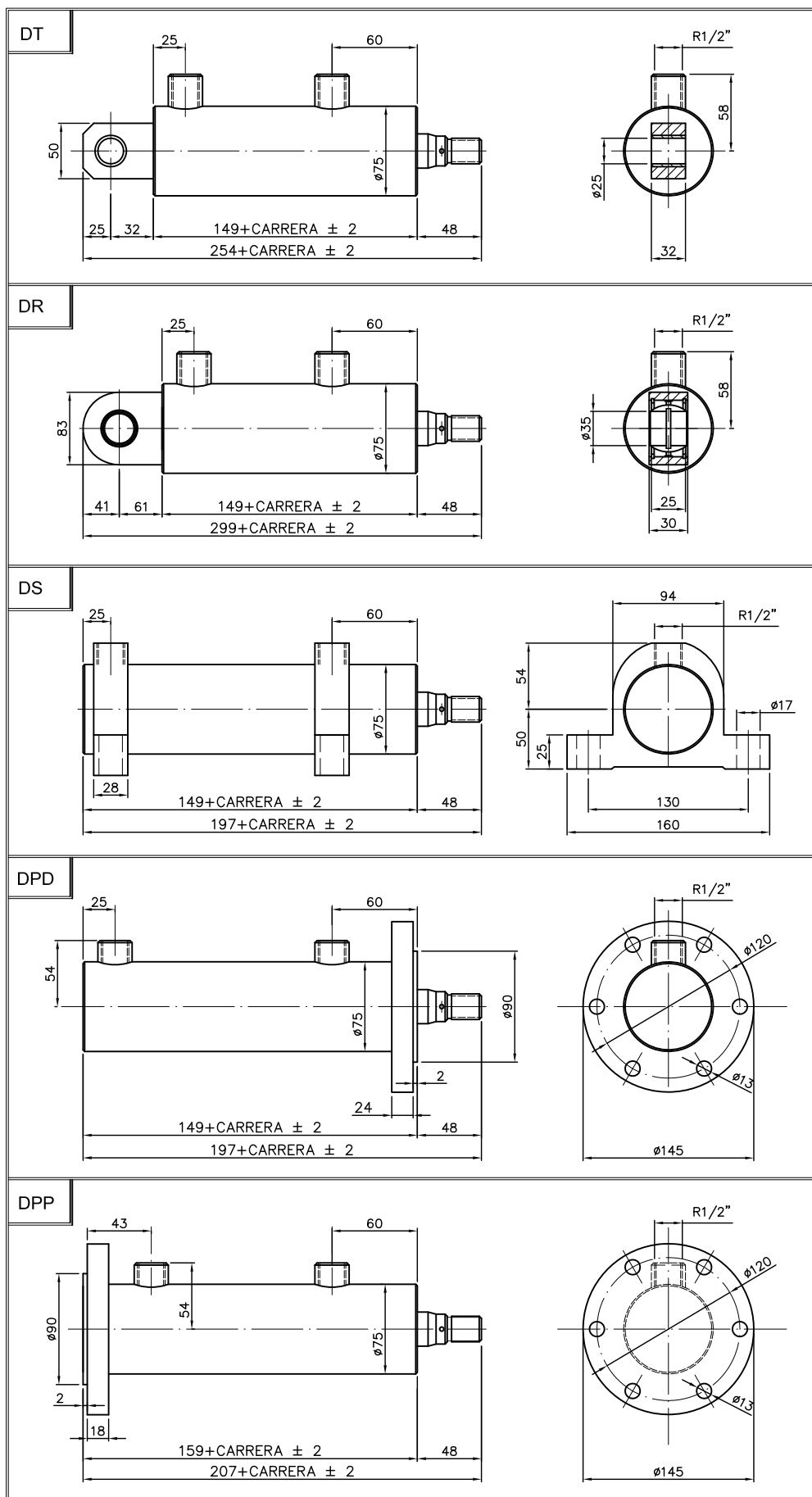
CILINDROS HIDRAULICOS

CNV

FLUID EMPORDA S.L.

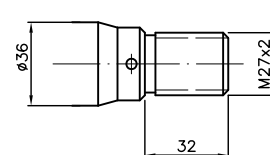
Tel. 972525053 - Fax. 972525458

POL. IND. PONT DEL PRINCEP C\ LLEVANT, 14
17469 VILAMALLA (GIRONA)

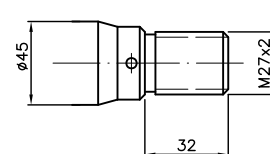


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	63		mm.	
	SECCION	31,2		cm. ²	
VASTAGO	DIAMETRO	36	45	mm.	
	SECCION	10,2	15,9	cm. ²	
	SECCION ANULAR	21	15,3		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	1560	3120	4680	6552	
TRACCION VASTAGO Ø36	1050	2100	3150	4410	Kg.
TRACCION VASTAGO Ø45	765	1530	2295	3213	

VASTAGO Ø 36

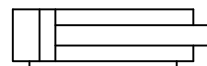
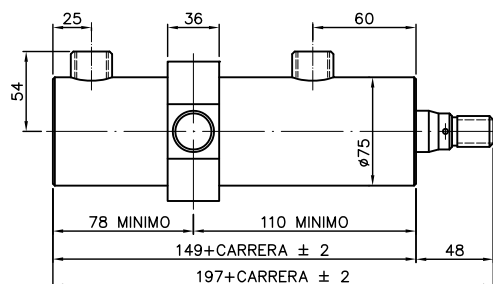


VASTAGO REFORZADO Ø 45



DM

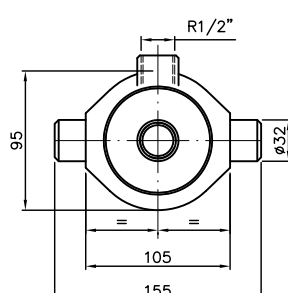
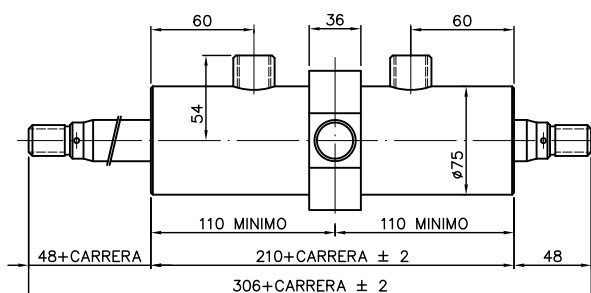
CARRERA MINIMA 45



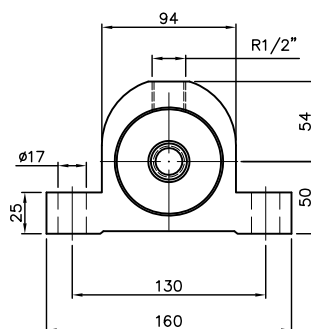
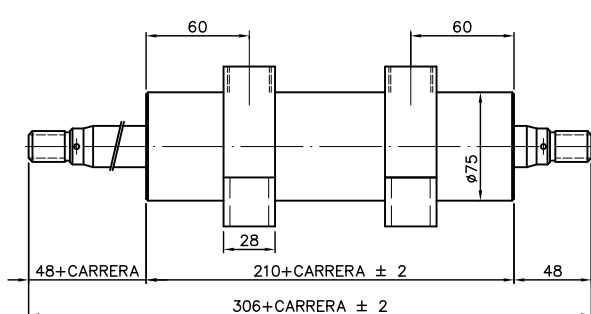
CNV 63

DM-DV

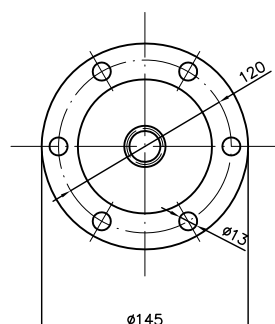
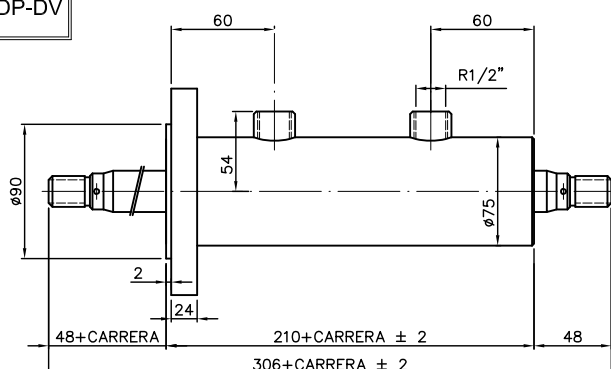
CARRERA MINIMA 45



DS-DV

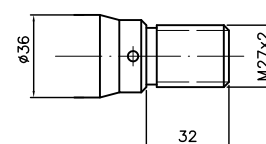


DP-DV

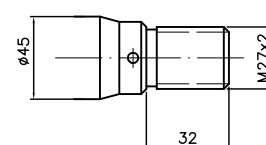


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	63		mm.	
	SECCION	31,2		cm. ²	
VASTAGO	DIAMETRO	36	45	mm.	
	SECCION	10,2	15,9	cm. ²	
	SECCION ANULAR	21	15,3	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	1560	3120	4680	6552	
TRACCION VASTAGO Ø36	1050	2100	3150	4410	Kg.
TRACCION VASTAGO Ø45	765	1530	2295	3213	

VASTAGO Ø 36



VASTAGO REFORZADO Ø 45



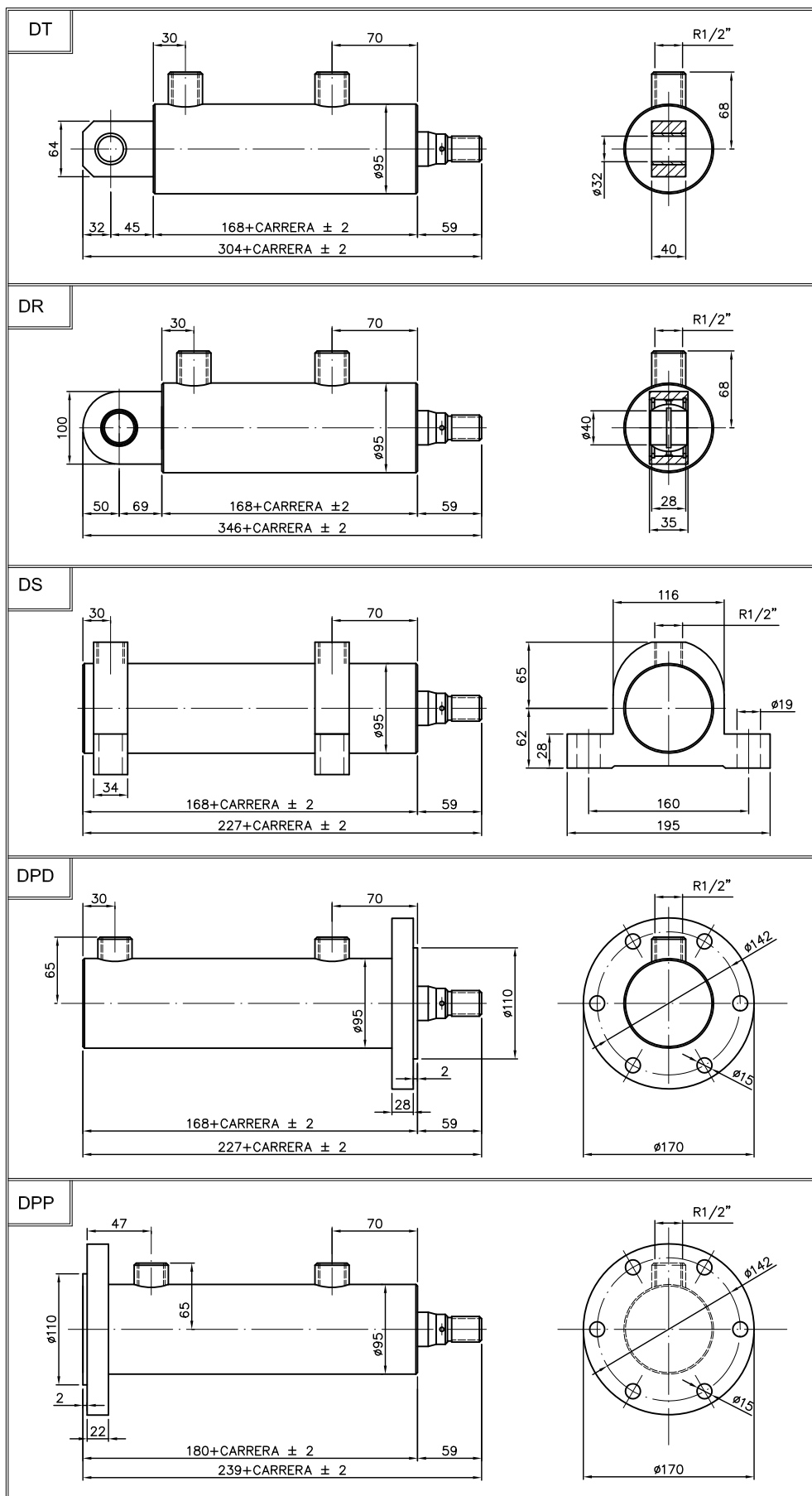
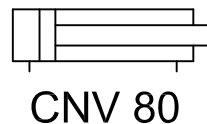
CILINDROS HIDRAULICOS

CNV

FLUID EMPORDA S.L.

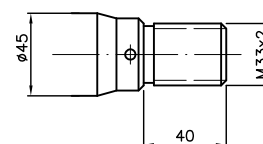
Tel. 972525053 - Fax. 972525458

POL. IND. PONT DEL PRINCEP C/ LLEVANT, 14
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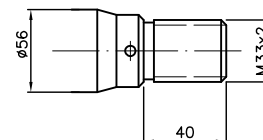


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	80		mm.	
	SECCION	50,3		cm. ²	
VASTAGO	DIAMETRO	45	56	mm.	
	SECCION	15,9	24,6	cm. ²	
	SECCION ANULAR	34,4	25,7		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	2515	5030	7545	10563	
TRACCION VASTAGO Ø45	1720	3440	5160	7224	Kg.
TRACCION VASTAGO Ø56	1285	2570	3855	5397	

VASTAGO Ø 45

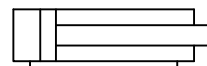
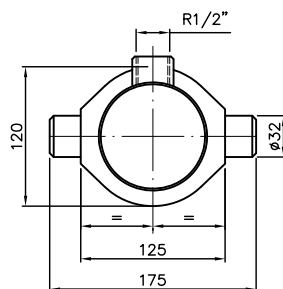
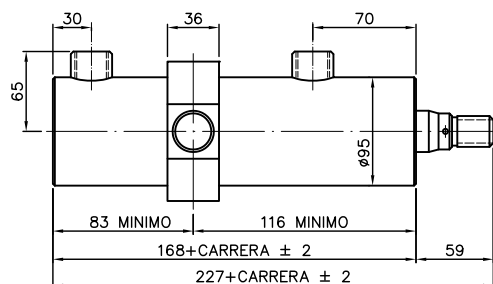


VASTAGO REFORZADO Ø 56



DM

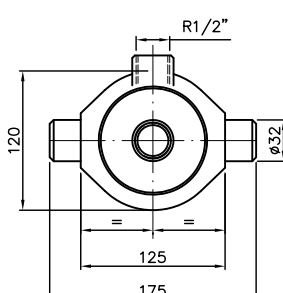
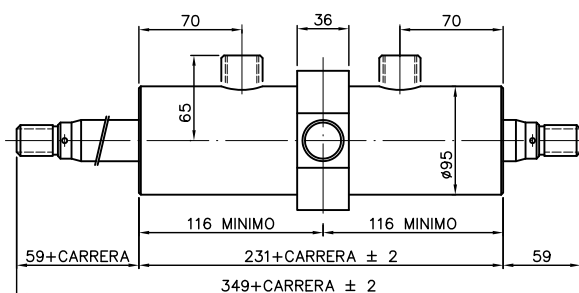
CARRERA MINIMA 50



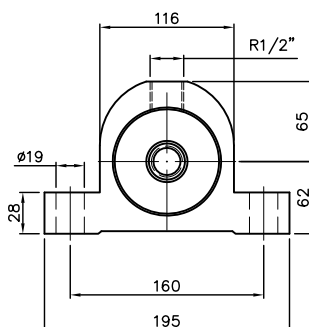
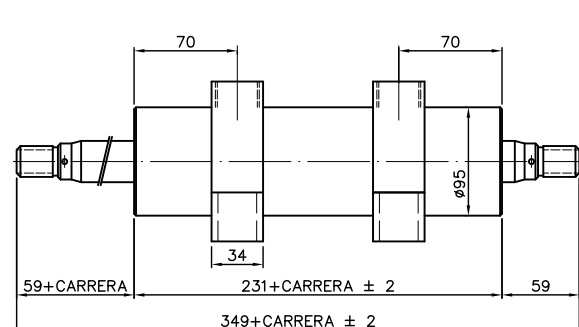
CNV 80

DM-DV

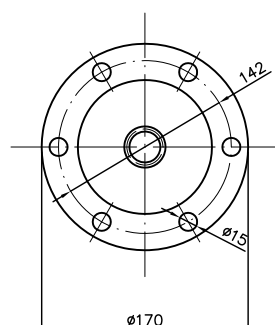
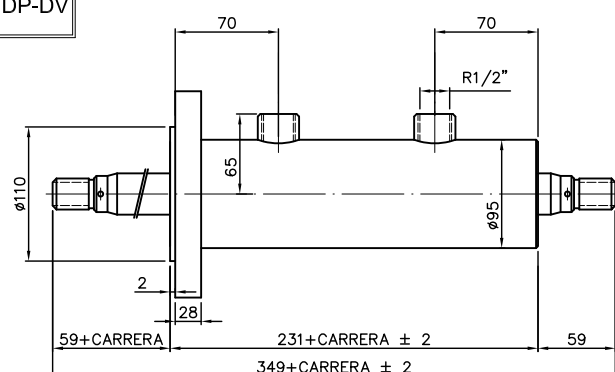
CARRERA MINIMA 50



DS-DV

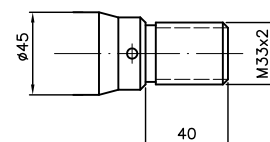


DP-DV

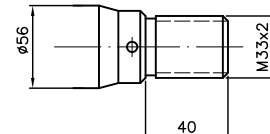


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	80		mm.	
	SECCION	50,3		cm. ²	
VASTAGO	DIAMETRO	45	56	mm.	
	SECCION	15,9	24,6	cm. ²	
	SECCION ANULAR	34,4	25,7		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	2515	5030	7545	10563	
TRACCION VASTAGO Ø45	1720	3440	5160	7224	Kg.
TRACCION VASTAGO Ø56	1285	2570	3855	5397	

VASTAGO Ø 45



VASTAGO REFORZADO Ø 56



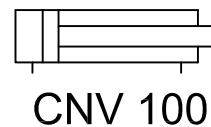
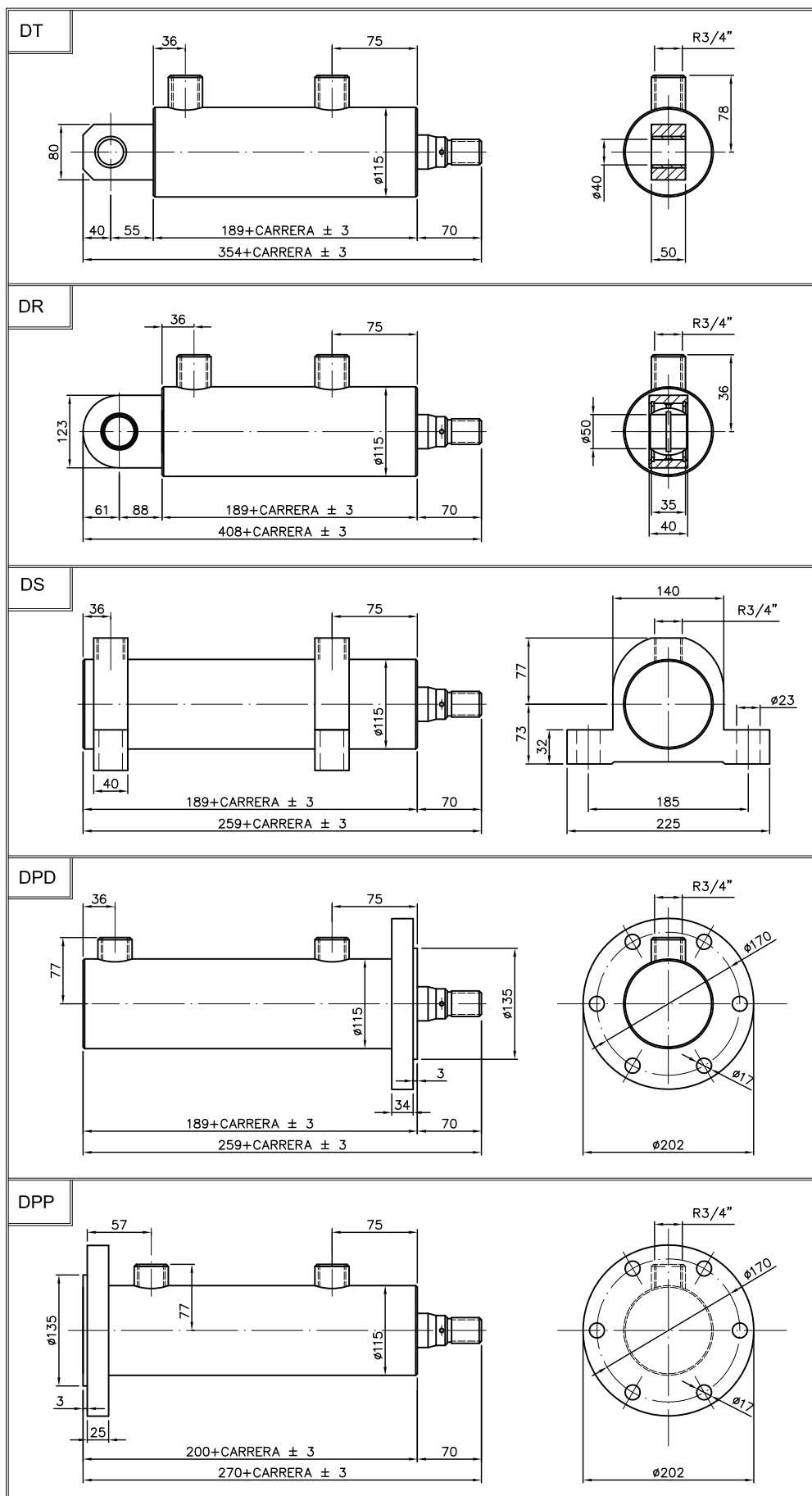
CILINDROS HIDRAULICOS

CNV

FLUID EMPORDA S.L.

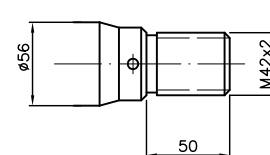
Tel. 972525053 - Fax. 972525458

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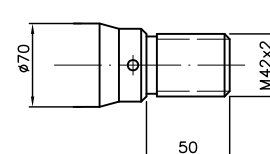


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	100		mm.	
	SECCION	78,5		cm. ²	
VASTAGO	DIAMETRO	56	70	mm.	
	SECCION	24,6	38,5	cm. ²	
	SECCION ANULAR	53,9	40	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	3925	7850	11775	16485	
TRACCION VASTAGO Ø56	2695	5390	8085	11319	Kg.
TRACCION VASTAGO Ø70	2000	4000	6000	8400	

VASTAGO Ø 56

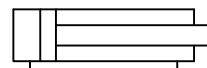
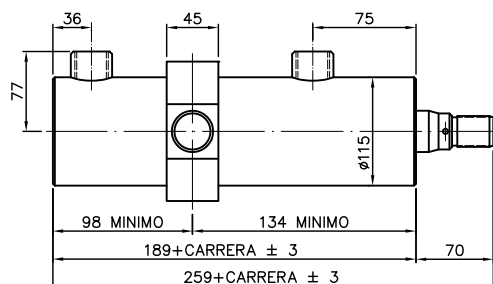


VASTAGO REFORZADO Ø 70



DM

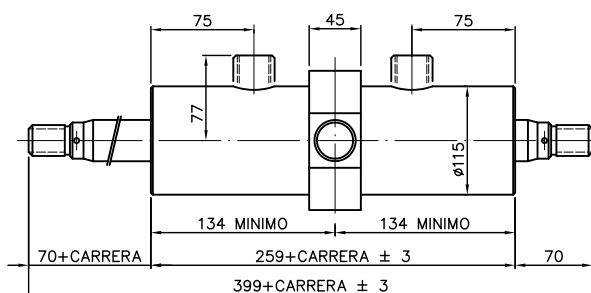
CARRERA MINIMA 65



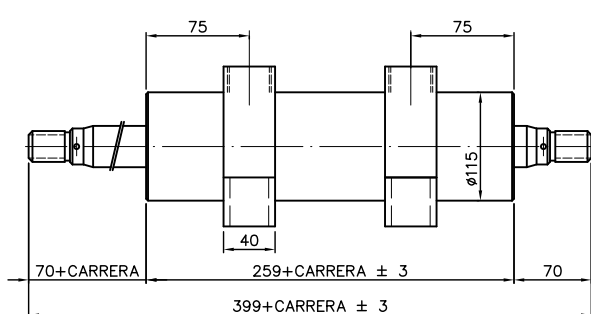
CNV 100

DM-DV

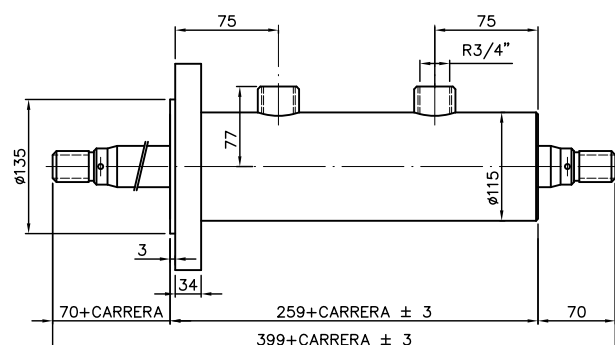
CARRERA MINIMA 65



DS-DV

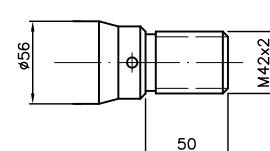


DP-DV

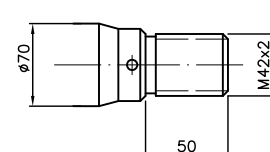


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	100		mm.	
	SECCION	78,5		cm. ²	
VASTAGO	DIAMETRO	56	70	mm.	
	SECCION	24,6	38,5	cm. ²	
	SECCION ANULAR	53,9	40	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	3925	7850	11775	16485	
TRACCION VASTAGO Ø56	2695	5390	8085	11319	Kg.
TRACCION VASTAGO Ø70	2000	4000	6000	8400	

VASTAGO Ø 56



VASTAGO REFORZADO Ø 70



CILINDROS HIDRAULICOS

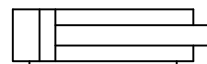
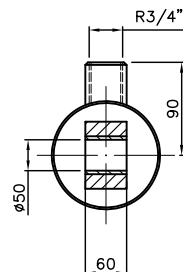
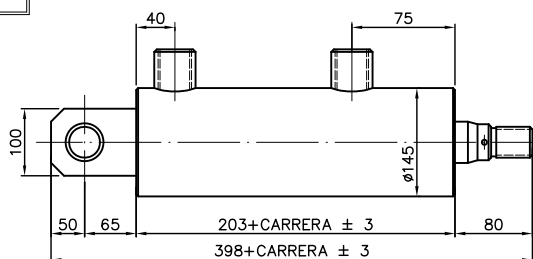
CNV

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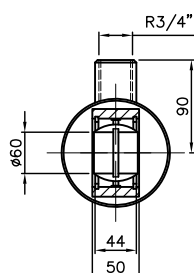
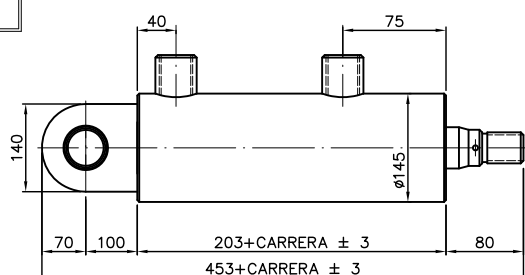
POL. IND. PONT DEL PRINCEP C/ LLEVANT, 14
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DT

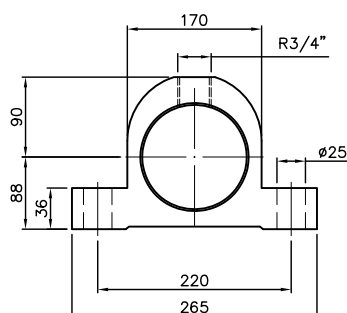
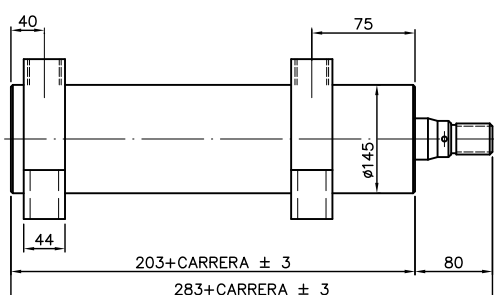


CNV 125

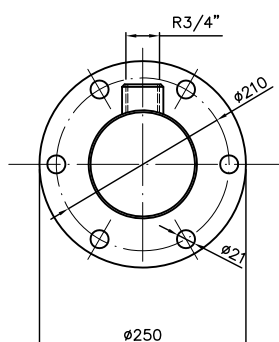
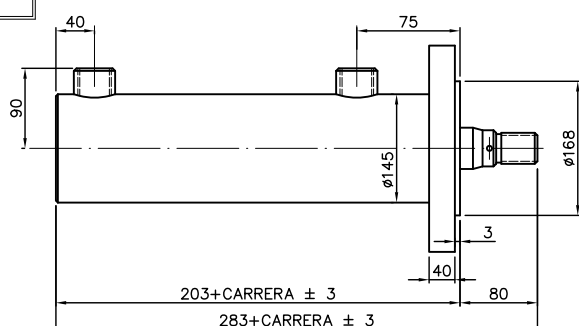
DR



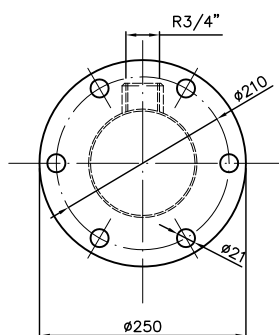
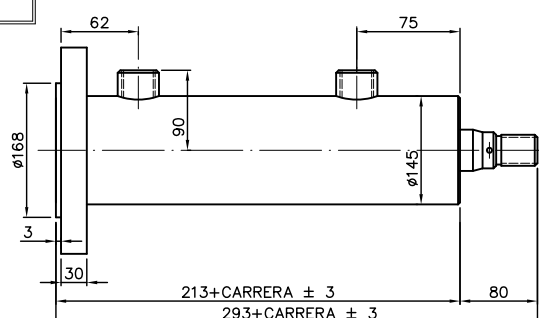
DS



DPD

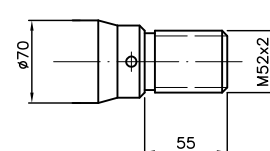


DPP

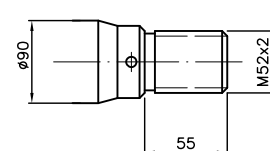


PRESION NOMINAL				210bar		
PRESION MAXIMA				280bar		
PISTON	DIAMETRO	125			mm.	
	SECCION	122,7			cm. ²	
VASTAGO	DIAMETRO	70	90		mm.	
	SECCION	38,5	63,6		cm. ²	
	SECCION ANULAR	84,2	59,1			
PRESION		50	100	150	210	Kg./cm. ²
EMPUJE PISTON		6135	12270	18405	25767	Kg.
TRACCION VASTAGO Ø70		4210	8420	12630	17682	
TRACCION VASTAGO Ø90		2955	5910	8865	12411	

VASTAGO Ø 70

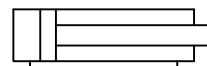
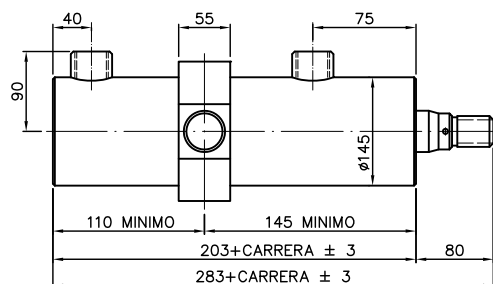


VASTAGO REFORZADO Ø 90



DM

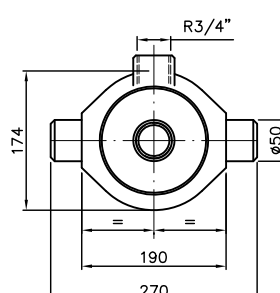
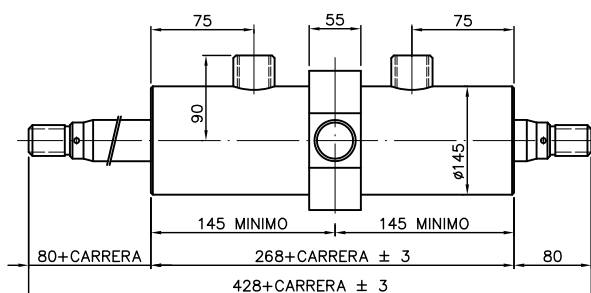
CARRERA MINIMA 75



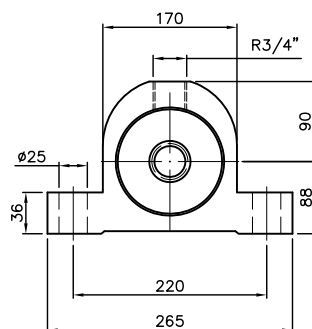
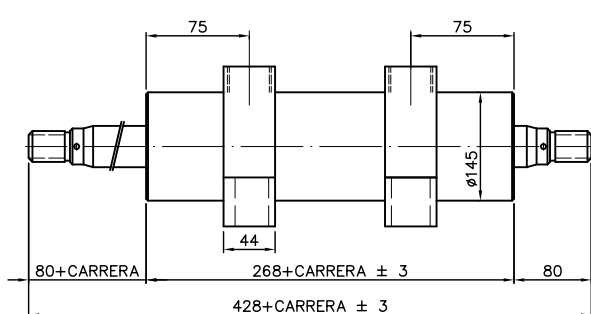
CNV 125

DM-DV

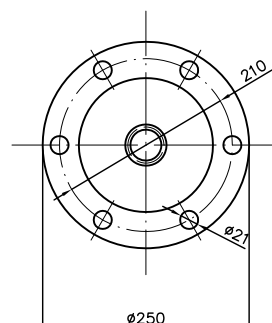
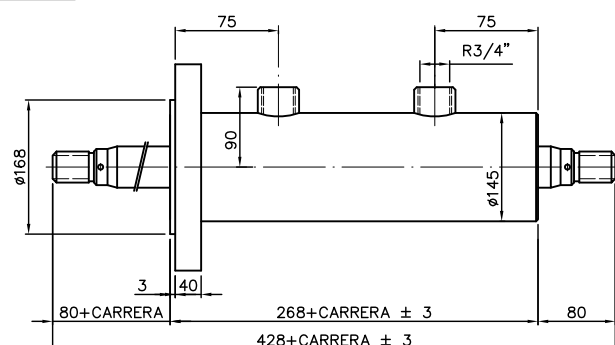
CARRERA MINIMA 75



DS-DV

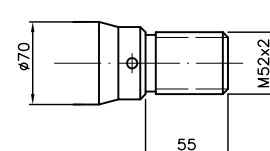


DP-DV

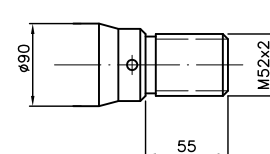


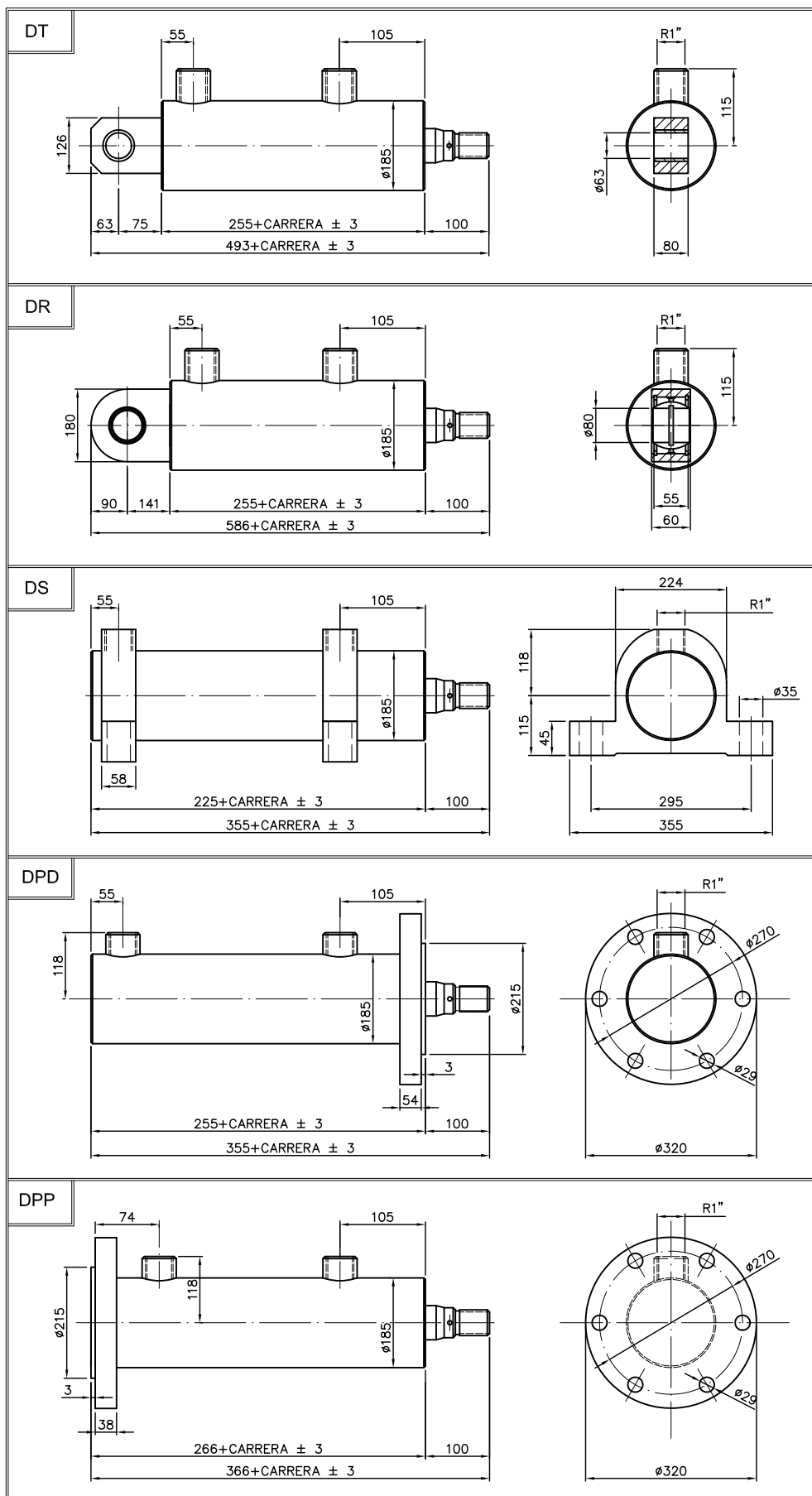
PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	125		mm.	
	SECCION	122,7		cm. ²	
VASTAGO	DIAMETRO	70	90	mm.	
	SECCION	38,5	63,6	cm. ²	
	SECCION ANULAR	84,2	59,1	cm. ²	
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	6135	12270	18405	25767	
TRACCION VASTAGO Ø70	4210	8420	12630	17682	Kg.
TRACCION VASTAGO Ø90	2955	5910	8865	12411	

VASTAGO Ø 70



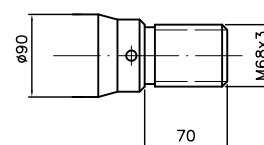
VASTAGO REFORZADO Ø 90



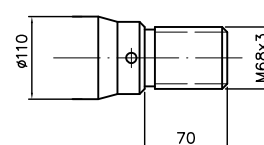


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	160		mm.	
	SECCION	201		cm. ²	
VASTAGO	DIAMETRO	90	110	mm.	
	SECCION	63,6	95	cm. ²	
	SECCION ANULAR	137,4	106		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	10050	20100	30150	42210	
TRACCION VASTAGO Ø90	6870	13740	20610	28854	Kg.
TRACCION VASTAGO Ø110	5300	10600	15900	22260	

VASTAGO Ø 90

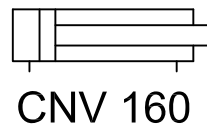
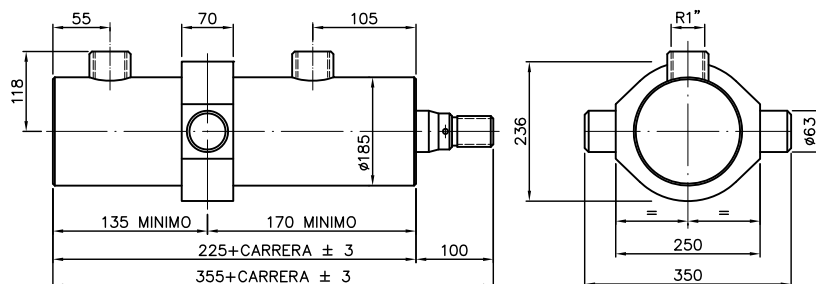


VASTAGO REFORZADO Ø 110



DM

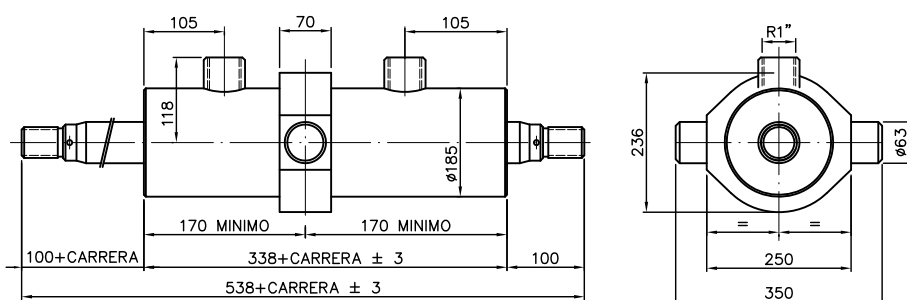
CARRERA MINIMA 95



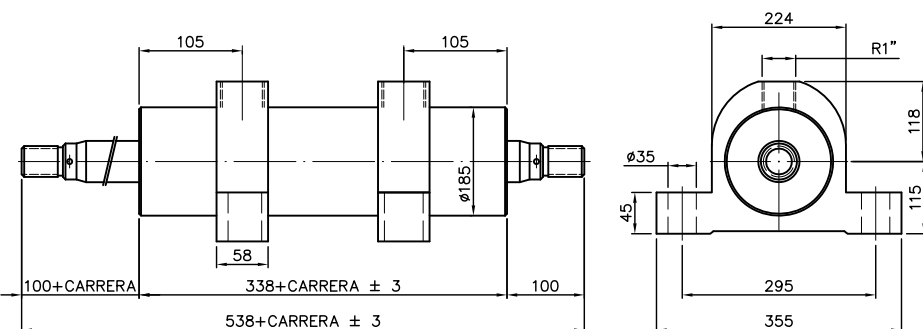
CNV 160

DM-DV

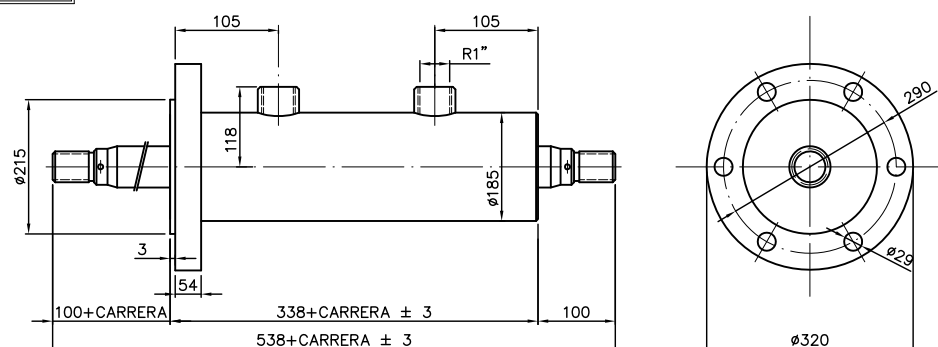
CARRERA MINIMA 95



DS-DV

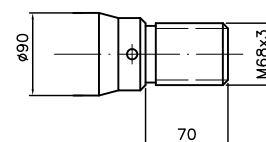


DP-DV

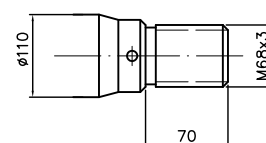


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	160		mm.	
	SECCION	201		cm. ²	
VASTAGO	DIAMETRO	90	110	mm.	
	SECCION	63,6	95	cm. ²	
	SECCION ANULAR	137,4	106		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	10050	20100	30150	42210	
TRACCION VASTAGO Ø90	6870	13740	20610	28854	Kg.
TRACCION VASTAGO Ø110	5300	10600	15900	22260	

VASTAGO Ø 90



VASTAGO REFORZADO Ø 110



CILINDROS HIDRAULICOS

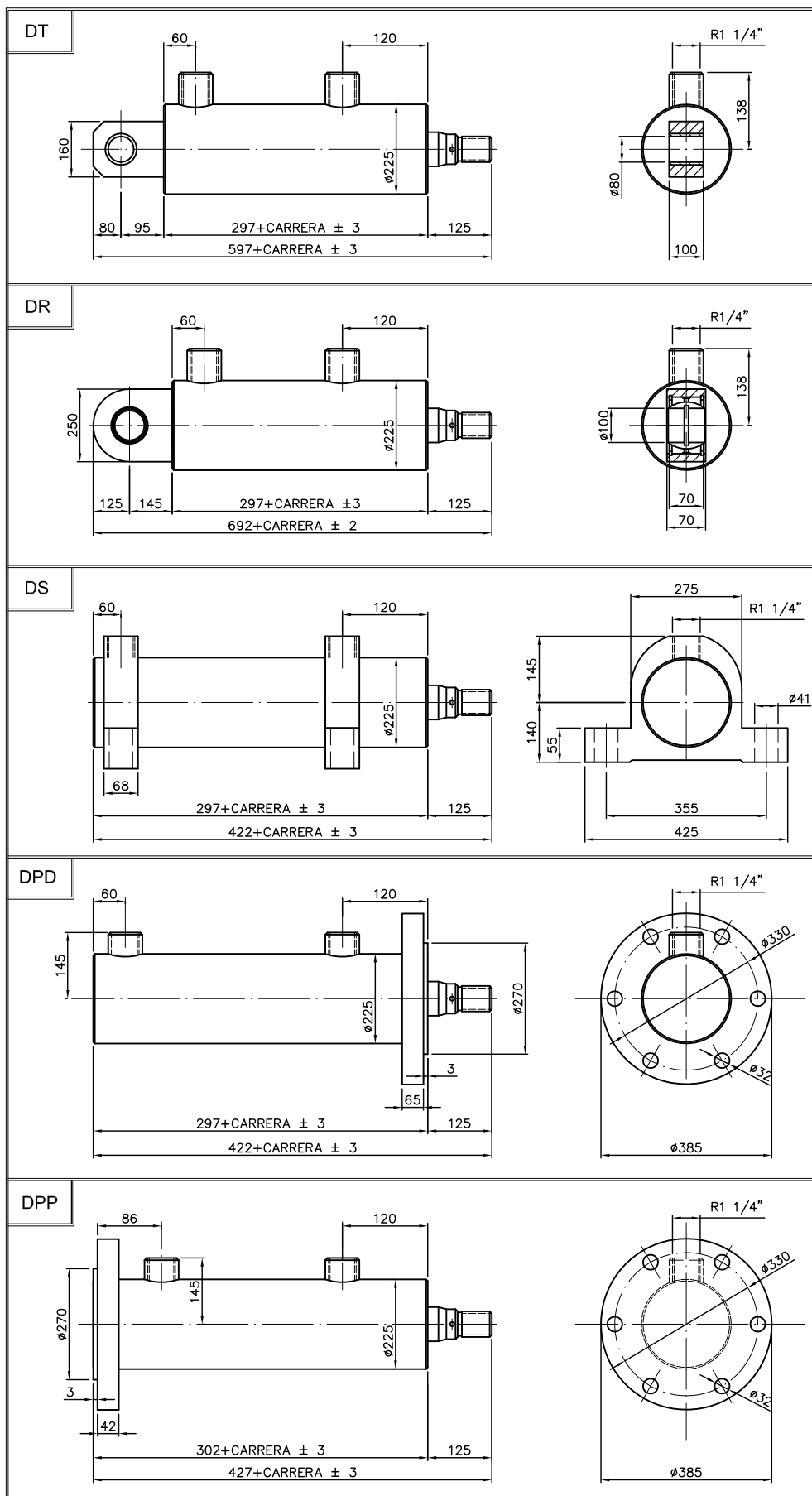
CNV

FLUID EMPORDA S.L.

Tel. 972525053 - Fax. 972525458

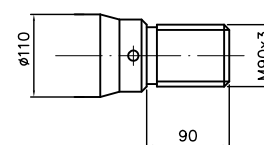
POL. IND. PONT DEL PRINCEP C/ LLEVANT, 14
17469 VILAMALLA (GIRONA)


CNV 200

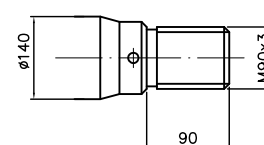


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	200		mm.	
	SECCION	314,1		cm. ²	
VASTAGO	DIAMETRO	110	140	mm.	
	SECCION	95	153,9	cm. ²	
	SECCION ANULAR	219,1	160,2		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	15705	31410	47115	65961	
TRACCION VASTAGO Ø110	10955	21910	32865	46011	Kg.
TRACCION VASTAGO Ø140	8010	16020	24030	33642	

VASTAGO Ø 110

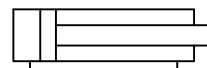
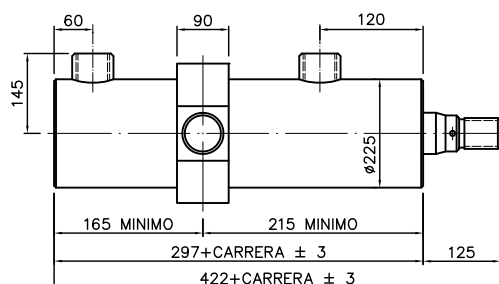


VASTAGO REFORZADO Ø 140



DM

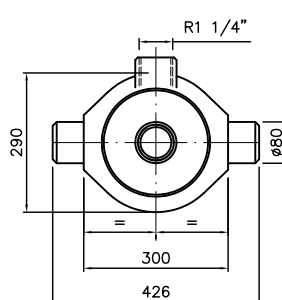
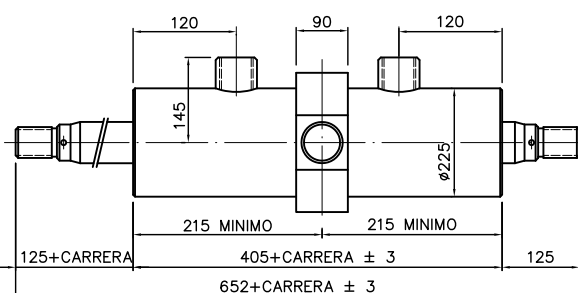
CARRERA MINIMA 120



CNV 200

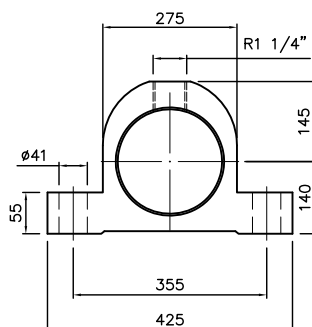
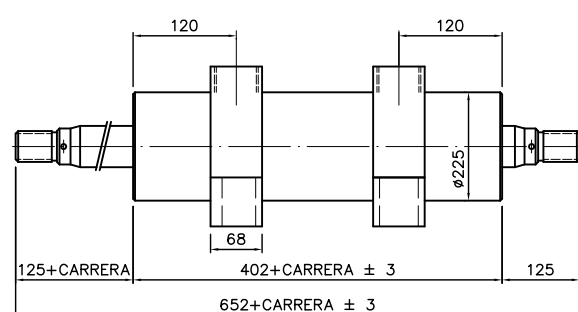
DM-DV

CARRERA MINIMA 120

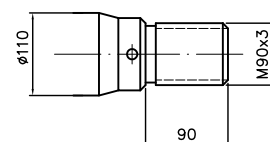


PRESION NOMINAL				210bar			
PRESION MAXIMA				280bar			
PISTON	DIAMETRO	200				mm.	
	SECCION	314,1				cm. ²	
VASTAGO	DIAMETRO	110		140		mm.	
	SECCION	95		153,9		cm. ²	
	SECCION ANULAR	219,1		160,2			
PRESION		50	100	150	210	Kg./cm. ²	
EMPUJE PISTON		15705	31410	47115	65961	Kg.	
TRACCION VASTAGO Ø110		10955	21910	32865	46011		
TRACCION VASTAGO Ø140		8010	16020	24030	33642		

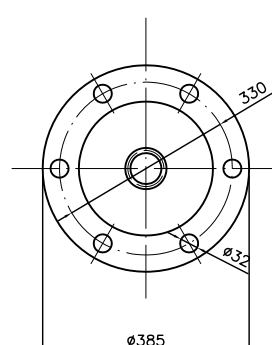
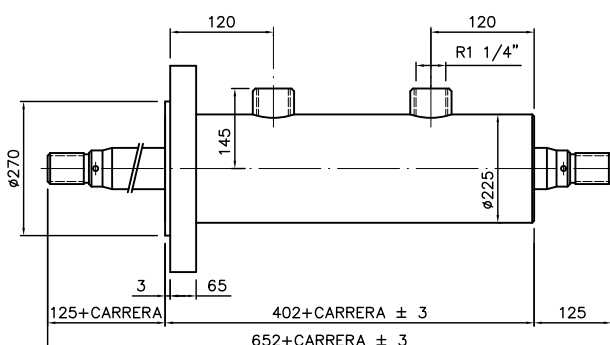
DS-DV



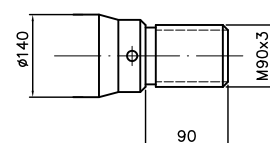
VASTAGO Ø 110

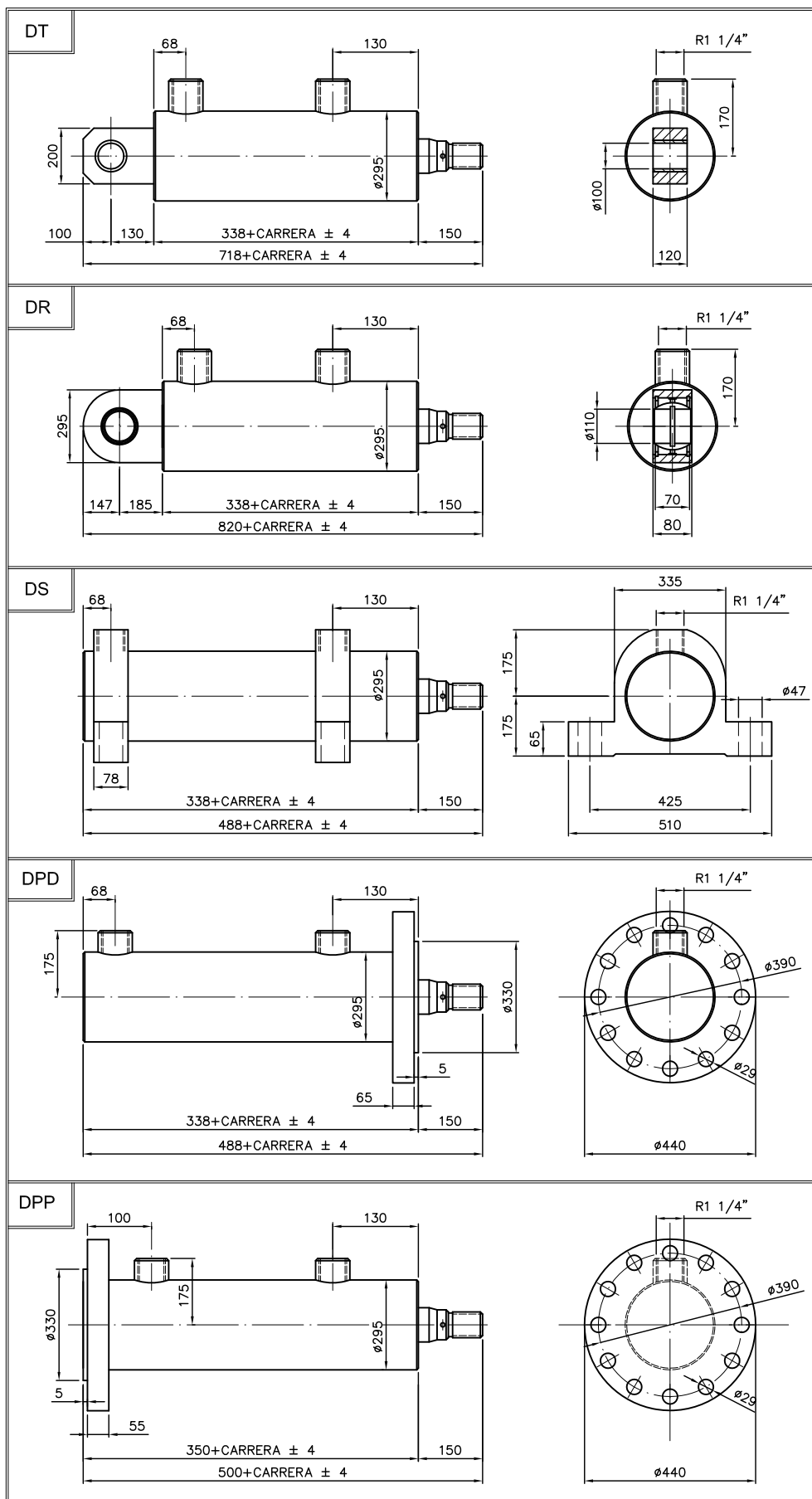


DP-DV



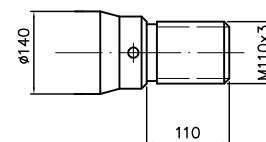
VASTAGO REFORZADO Ø 140



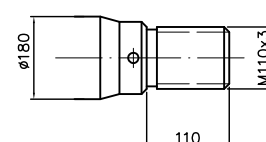


PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	250		mm.	
	SECCION	490,9		cm. ²	
VASTAGO	DIAMETRO	140	180	mm.	
	SECCION	153,9	254,5	cm. ²	
	SECCION ANULAR	337	236,4		
PRESION	50	100	150	210	Kg./cm. ²
EMPUJE PISTON	24545	49090	73635	103089	
TRACCION VASTAGO Ø140	16850	33700	50550	70770	Kg.
TRACCION VASTAGO Ø180	11820	23640	35460	49644	

VASTAGO Ø 140

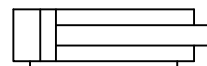
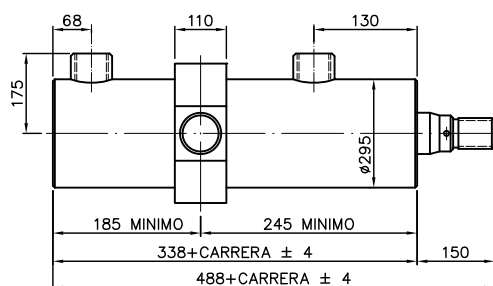


VASTAGO REFORZADO Ø 180



DM

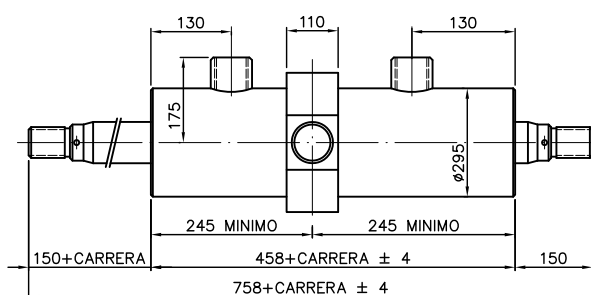
CARRERA MINIMA 135



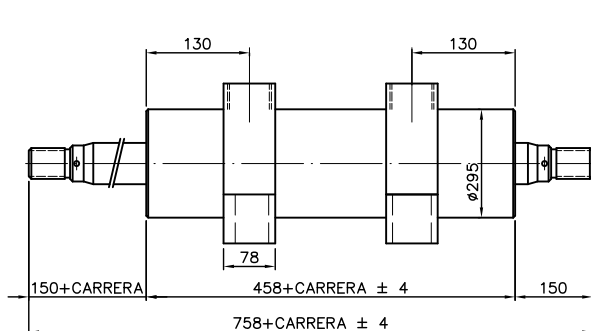
CNV 250

DM-DV

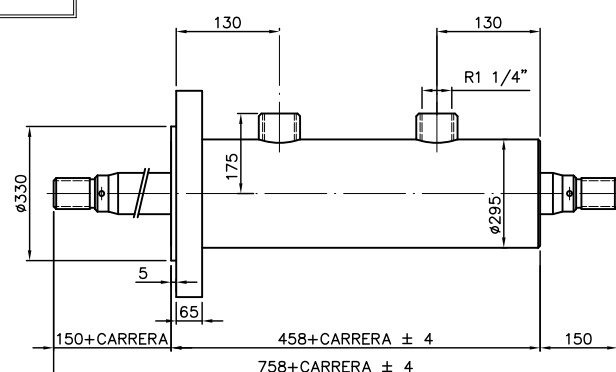
CARRERA MINIMA 135



DS-DV

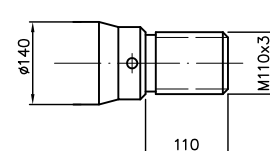


DP-DV

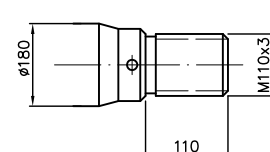


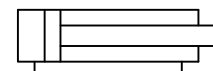
PRESION NOMINAL		210bar			
PRESION MAXIMA		280bar			
PISTON	DIAMETRO	250		mm.	
	SECCION	490,9		cm. ²	
VASTAGO	DIAMETRO	140	180	mm.	
	SECCION	153,9	254,5	cm. ²	
	SECCION ANULAR	337	236,4		
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EMPUJE PISTON	24545	49090	73635	103089	
TRACCION VASTAGO Ø140	16850	33700	50550	70770	Kg.
TRACCION VASTAGO Ø180	11820	23640	35460	49644	

VASTAGO Ø 140

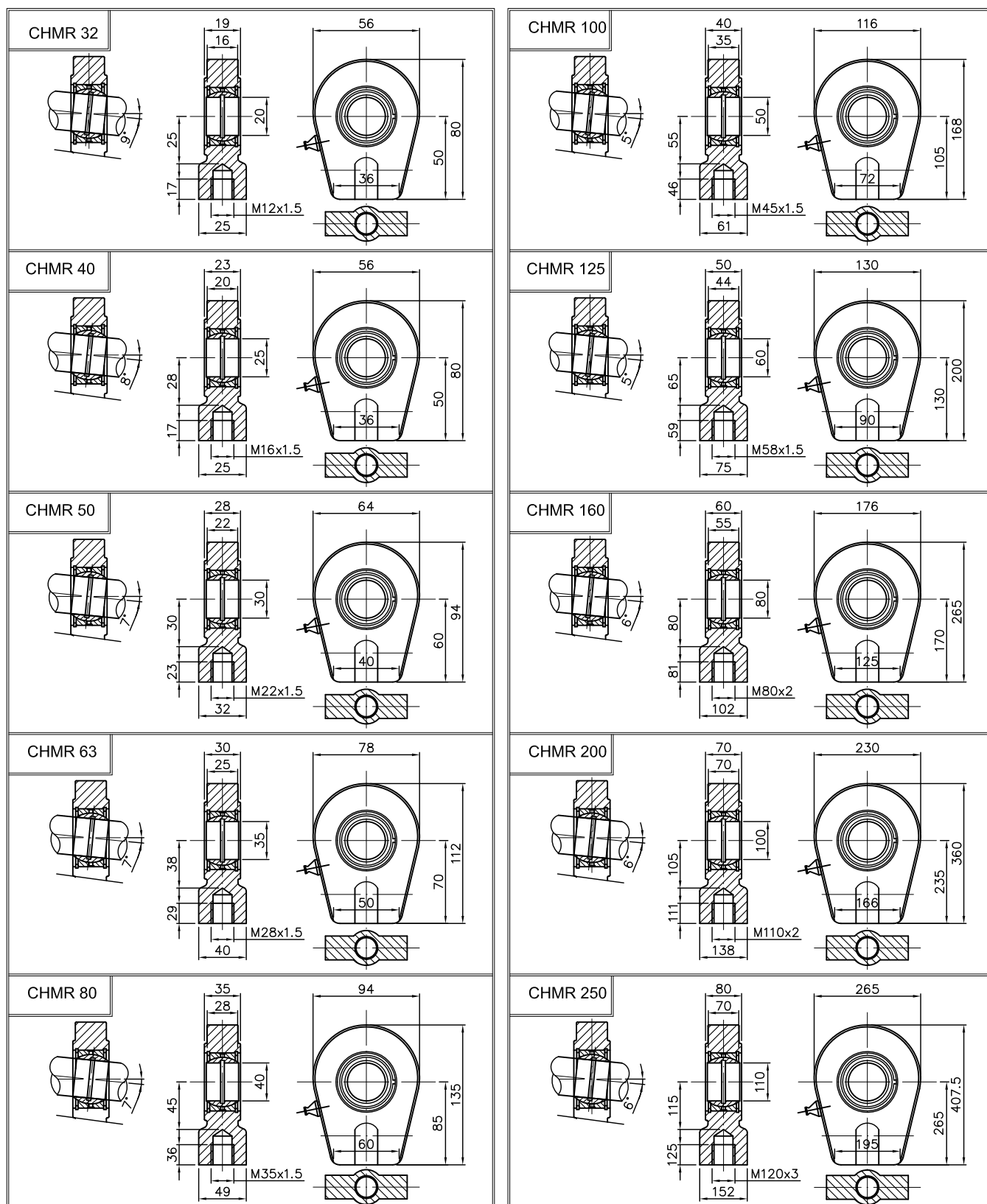


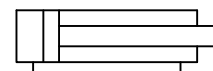
VASTAGO REFORZADO Ø 180



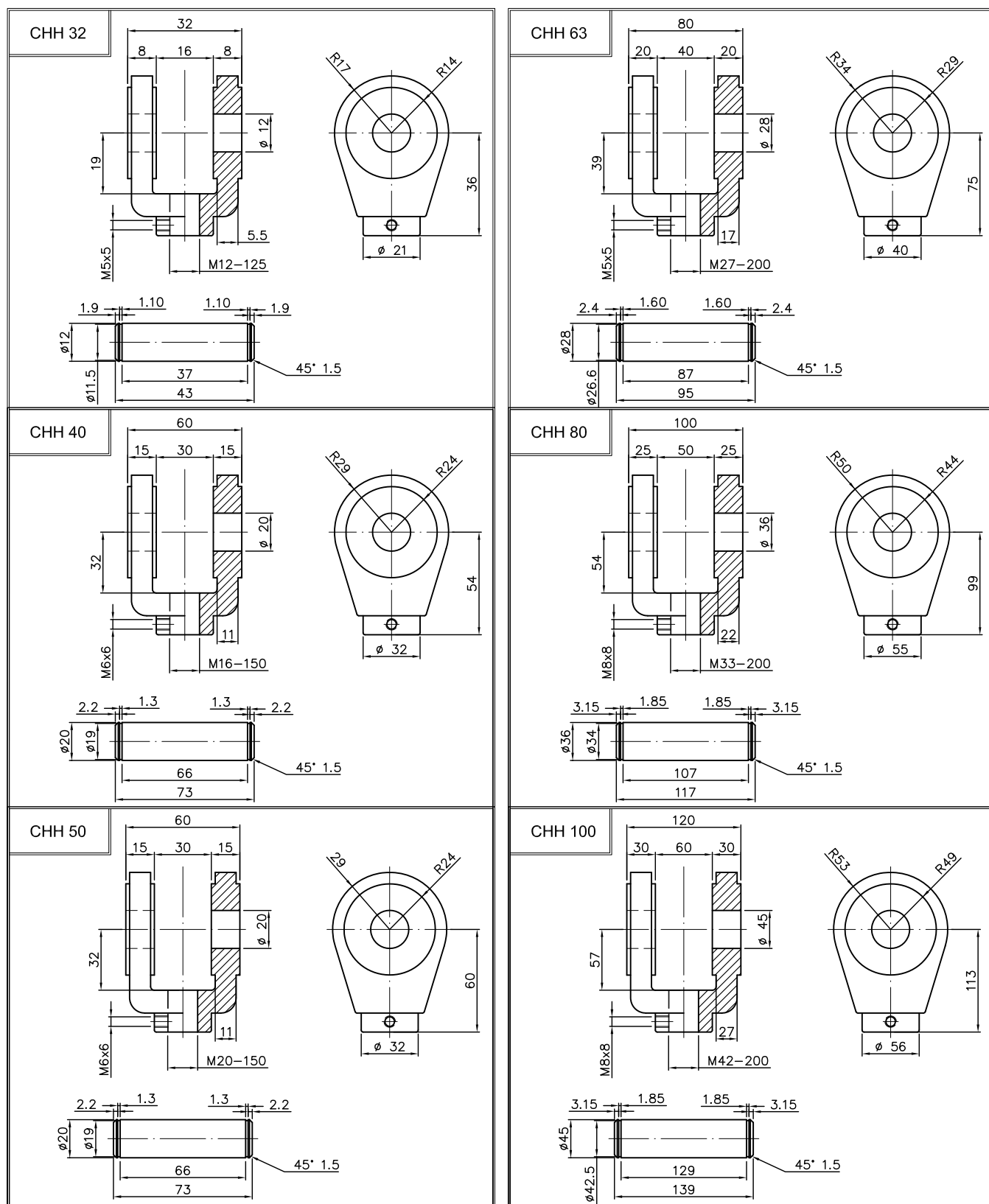


FIJACION TIPO CHAPE MACHO CON ROTULA CHMR

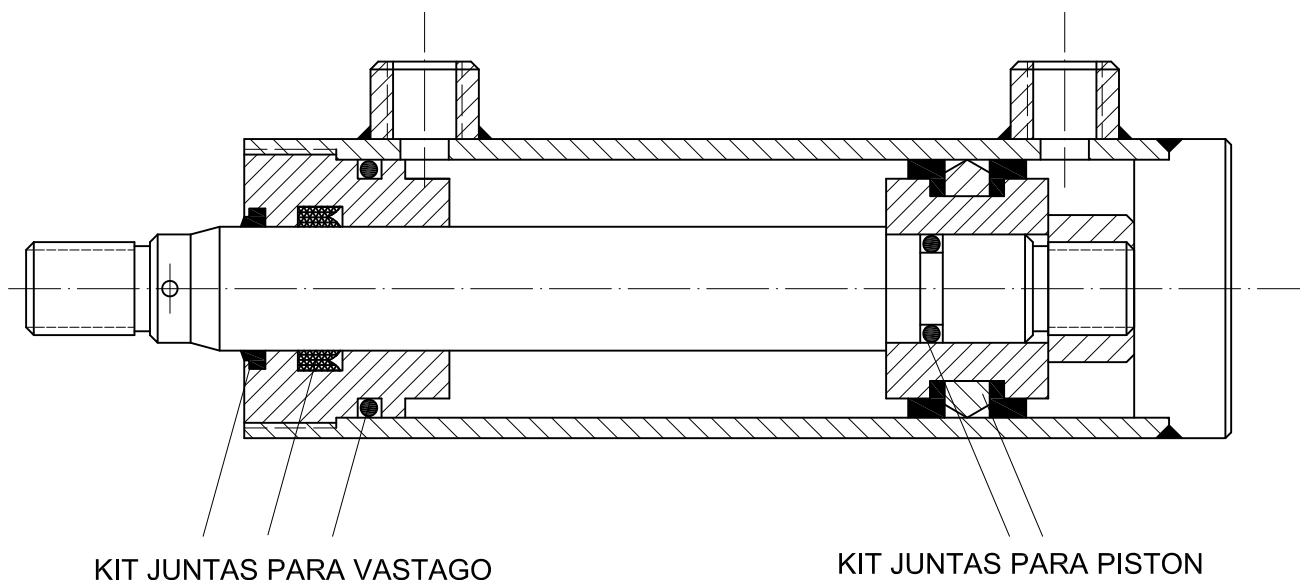




FIJACION TIPO CHAPE HEMBRA CHH



JUNTAS PARA RECAMBIO



TIPO	KIT JUNTAS PARA VASTAGO	KIT JUNTAS PARA PISTON
CNV-32-16	Kit Juntas Vástago 32-16	Kit Juntas Pistón 32-16
CNV-40-22	Kit Juntas Vástago 40-22	Kit Juntas Pistón 40-22
CNV-40-28	Kit Juntas Vástago 40-28	Kit Juntas Pistón 40-28
CNV-50-28	Kit Juntas Vástago 50-28	Kit Juntas Pistón 50-28
CNV-50-36	Kit Juntas Vástago 50-36	Kit Juntas Pistón 50-36
CNV-63-36	Kit Juntas Vástago 63-36	Kit Juntas Pistón 63-36
CNV-63-45	Kit Juntas Vástago 63-45	Kit Juntas Pistón 63-45
CNV-80-45	Kit Juntas Vástago 80-45	Kit Juntas Pistón 80-45
CNV-80-56	Kit Juntas Vástago 80-56	Kit Juntas Pistón 80-56
CNV-100-56	Kit Juntas Vástago 100-56	Kit Juntas Pistón 100-56
CNV-100-70	Kit Juntas Vástago 100-70	Kit Juntas Pistón 100-70
CNV-125-70	Kit Juntas Vástago 125-70	Kit Juntas Pistón 125-70
CNV-125-90	Kit Juntas Vástago 125-90	Kit Juntas Pistón 125-90
CNV-160-90	Kit Juntas Vástago 160-90	Kit Juntas Pistón 160-90
CNV-160-110	Kit Juntas Vástago 160-110	Kit Juntas Pistón 160-110
CNV-200-110	Kit Juntas Vástago 200-110	Kit Juntas Pistón 200-110
CNV-200-140	Kit Juntas Vástago 200-140	Kit Juntas Pistón 200-140
CNV-250-140	Kit Juntas Vástago 250-140	Kit Juntas Pistón 250-140
CNV-250-180	Kit Juntas Vástago 250-180	Kit Juntas Pistón 250-180