REDUCTORES y VARIADORES

CATALOGO TECNICO

Taüsend Motoren

INDICE PAG

RSTV025～130

RSTIV030～130

RSTV + RSTV...

RSTIV + RSTV...

PC + RSTV...

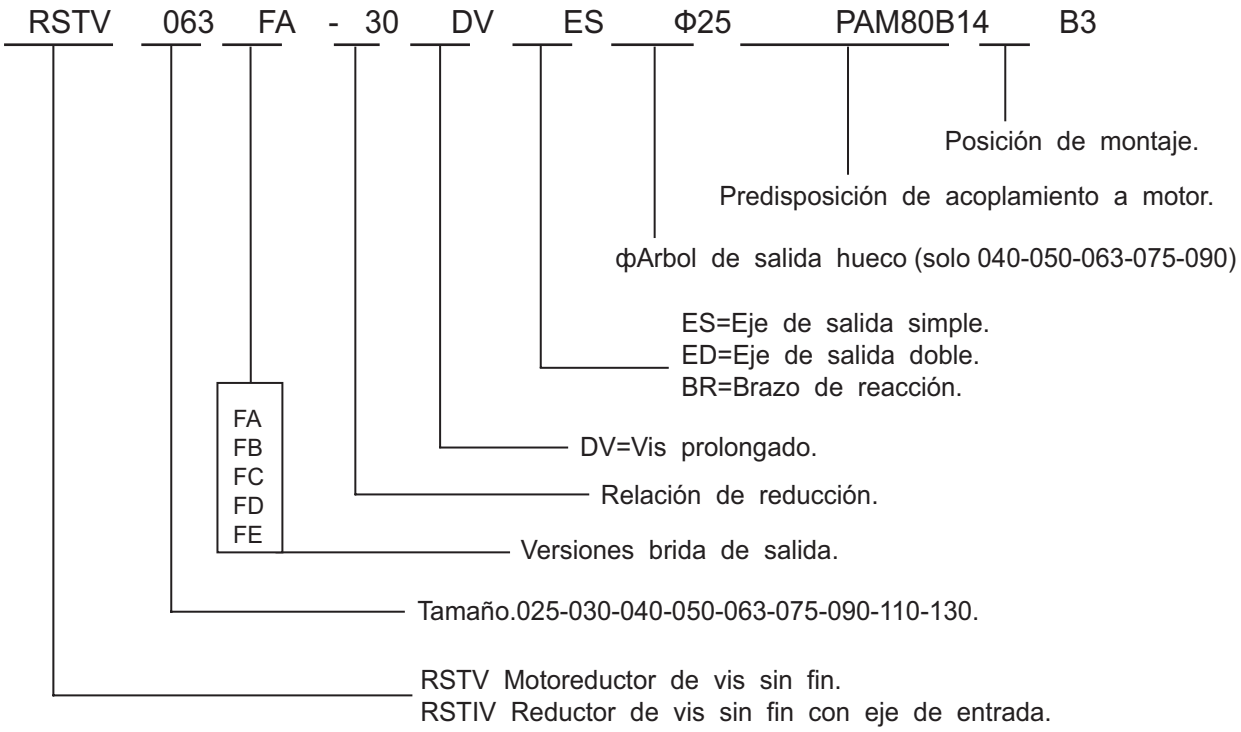
RSTV MOTORREDUCTORES DE CORONA Y SIN FIN
PR + MOTO REDUCTORES Y VARIADORES

Los reductores de vis sin fin de la serie RSTV son una nueva generació de productos desarrollados por nuestra compañía sobre la base de un compromiso de satisfacción a las exigencias de nuestros clientes,se caracterizan por un cinematismo compuesto por un vis de acero cementado y rectificado y una corona fadricada con una aleación de bronce sobre un núcleo de hierro fundido esferoidal.

La serie está compuesta por 9 tamaños con relaciones de reducción entre 1:7.5 hasta 1:100,se fabrican con carcasa de aluminio hasta el modelo 90 y en fundición gris las carcasas de los modelos 110 y 130.

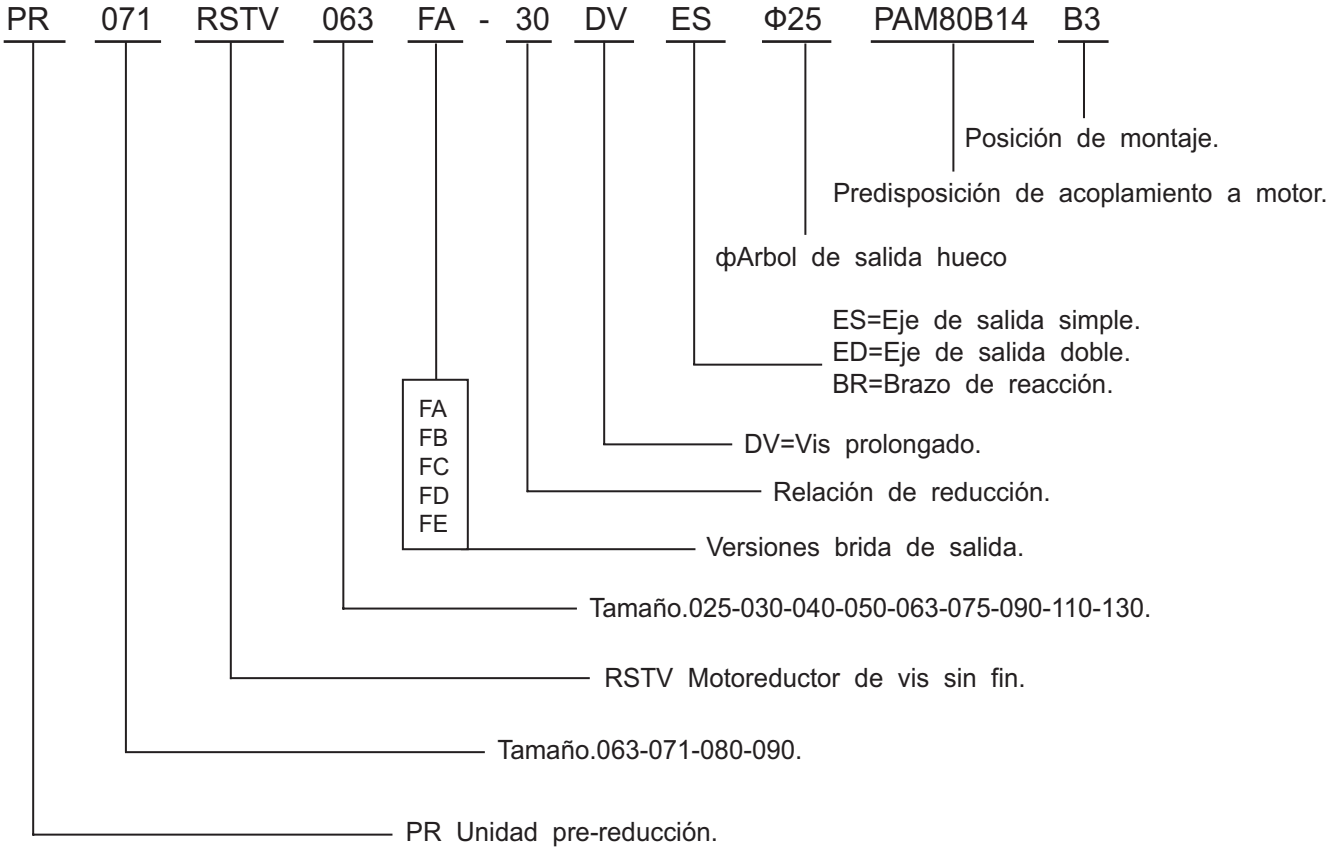
Complementan la gama 3 tamaños de pre-reducciones de un tren de engranajes helicoidales PR, motoreductores combinados con doble reductor,ejes de salida simples,dobles y brazos de reacción.

Designación



PR + RSTV MOTO REDUCTORES DE TORNILLO SIN FIN CON PREREDUCCION

Designación



Durante la instalación deben respetarse las siguientes instrucciones
- Asegurar una alineación correcta entre motor y reductor y entre el reductor y la máquina.
- Instalar el reductor de manera que no sufra vidraciones.
- Observar que los órganos a instalar sobre los ejes cumplan las tolerancias correctas sin correr el riesgo de dañar los rodamientos o las partes externas del reductor.
- Si se preveen sobrecargas, golpes o bloqueos durante el funcionamiento hay que preveer la instalación de coplamientos de seguridad.
- Si se aplican pinturas sobre el reductor se debe proteger el borde exterior de los retenes para evitar que el caucho se deteriore y cause perdidas de lubricante.
- Pulir completamente la superficie donde se debe fijar el reductor y tratar con sustancias protectoras las partes metálicas en contacto antes del motaje para evitar oxidaciones y bloqueos.
- Verificar en el momento de la puesta en funcionamiento que las partes eléctricas llevan las protecciones necesarias.
- Verificar que la tensión de alimentación indicada en las placas de los motores sea la correcta.

Durante el funcionamiento
- Los reductores suministrados sin tapones están lubricados con engrases sintéticos por lo que no equieren ingún tipo de mantenimiento.
- El cambio de aceite para los modelos 110 y 130, que se suministran con aceite mineral,debe realizarae después de 5.000 horas de uncionamiento o después de largos periodos de inactividad. realizarse después de 5.000 horas de funcionamiento o después de largos periodos de inactividad.
- Es necesario verificar la cantidad de aceite necesaria en función de las posiciones de montaje indicadas en las tablas（pág.9）.
- En caso de temperaturas ambiente inferiores a-20℃ o superiores a 40℃ rogamos ponerse en contacto con nuestro departamento técnico.
- Durante la fase de rodaje la temperatura del reductor puede ser un poco más elevada de lo normal.

LUBRICANTES RECOMENDADOS

	℃ -50 0 +50 +100	ISO	SHELL	AGIP	ESSO	MOBIL	CASTROL	BP		
RSTV025～090 PC063～090	-25 +50	VG320	Tivela OIL S320	Telium VSF320	S220	Glygoyle 30	Alphasyn PG320	Energol SG-XP320	WA460	Synthetic oil
RSTV11 0～130	-5 +40	VG460	Omala OIL460	Blasia 460	Spartan EP460	Mobilgear 634	Alpha MAX 460	Energol GR-XP460	WA460	Mineral oil
	-15 +25	VG220	Omala OIL220	Blasia 220	Spartan EP220	Mobilgear 630	Alpha MAX 220	Energol GR-XP220	WA460	
PC	-15 +50	VG320	Tivela OIL S320	Telium VSF320	S220	Glygoyle 30	Alphasyn PG320	Energol SG-XP320	CKC150	Synthetic oil
VTF	-25 +40	VG32	A.T.F.DXRON	A.T.F.DXRON	A.T.F.DXRON	A.T.F.220	TQ.DXRON II	Autran DX	Ub3	Mineral oil

CANTIDAD DE ACEITE EN LITROS

(L)

RSTV	025	030	040	050	063	075	090	110	130	PC	63	71	80	90
B3	0.023	0.05	0.1	0.15	0.3	0.5	1	3	4.5		0.05	0.07	0.15	0.16
B8								2.2	3.3					
B6-B7								2.5	3.5					
V5								3	4.5					
V6								2.2	3.3					

VTF	VTF0.18	VTF0.37	VTF0.55	VTF0.75	VTF1.1	VTF1.5	VTF2.2	VTF3.0	VTF4.0
B3	0.13	0.15	0.33	0.33	0.8	0.8	1.2	1.2	1.2
B8									
B6-B7									
V5	0.3	0.4	0.85	0.85	1.4	1.4	2.15	2.15	2.15
V6	0.2	0.25	0.45	0.45	1	1	1.2	1.2	1.2

Cargas radiales y axiales

Cuando la transmisión del movimiento pueda provocar cargas radiales o axiales en el extremo de los ejes, se debe verificar que éstas nunca superen e n las condiciones más desfavorables a los máximos permitidos.
En la siguiente tabla se indican los valores de las cargas radiales admisibles para los ejes de entrada Fr1. Lacargaaxial se obtiene: Fa1=0.2 × Fr1

nv rpm	Fr1(daN)							
	SF							
	030	040	050	063	075	090	110	130
1400	6	22	32	42	50	70	100	160
900	6	25	35	46	53	80	120	180
700	7	28	40	50	57	90	130	200
500	7	31	45	53	60	100	145	220

En la siguiente tabla se indican los valores de las cargas radiales admisibles en el eje de salida Fr2. La ca rga axial admisible se obtiene： Fa2=0.2 × Fr2

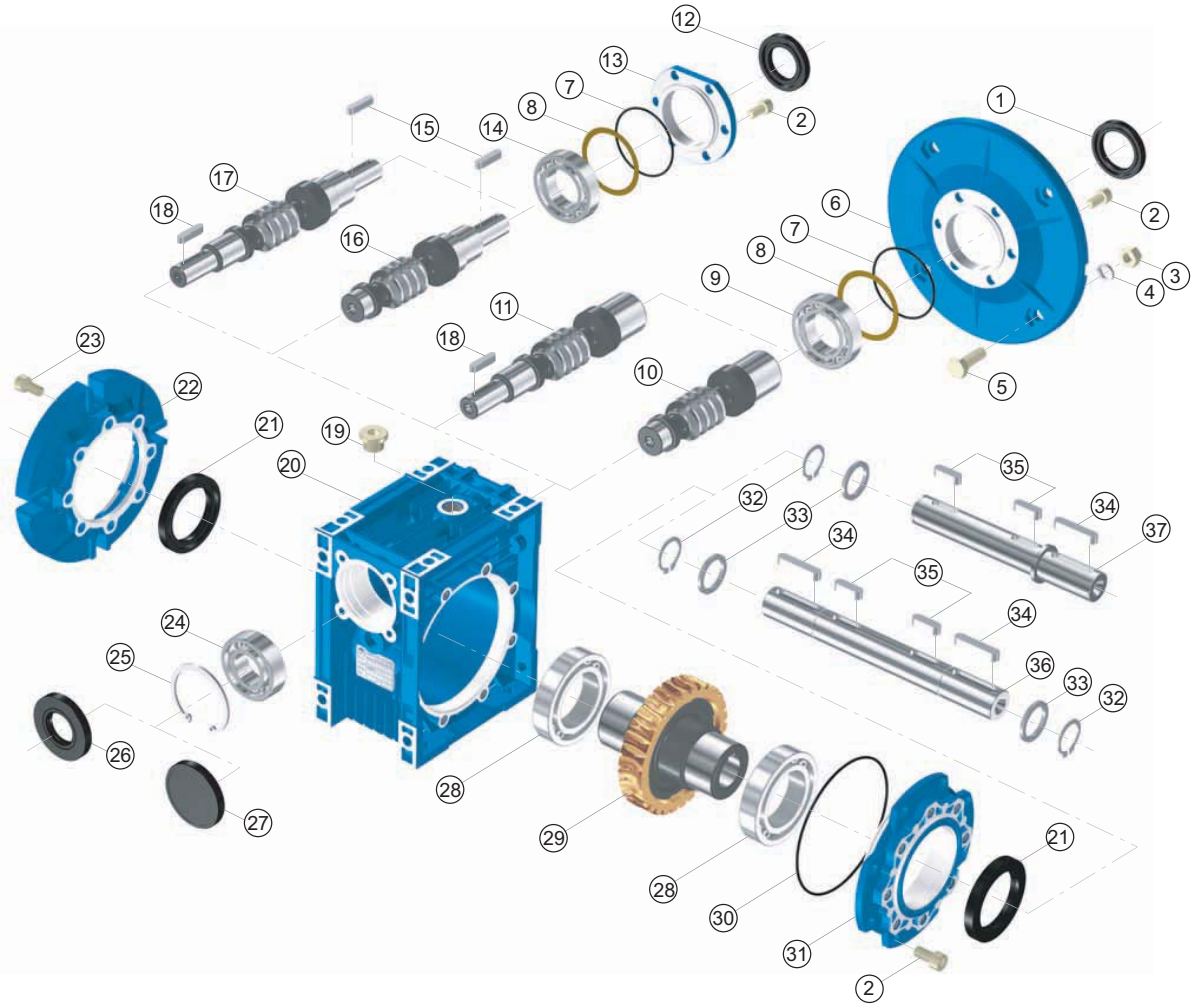
nl rpm	Fa2(daN)							
	SF-MSF							
	030	040	050	063	075	090	110	130
187	65	128	177	233	275	305	386	506
140	73	141	195	256	301	336	424	.556
93	84	162	224	295	346	384	486	638
70	91	178	247	325	383	424	536	702
56	100	194	266	349	414	456	577	756
47	105	205	284	370	439	486	614	804
35	115	225	313	408	484	534	677	885
28	125	244	336	441	520	576	729	954
23	134	259	357	467	554	612	774	1015
17	146	286	394	515	610	674	853	1117
14		308	425	555	656	727	920	1202

(*) Los valores indicados se refieren a las cargas situadas en el centro de los ejes.

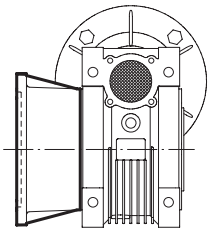
Irreversibilidad

Una de las características de algunos reductores de vis sin fin es la irreversibilidad, es decir que no pueden ser accionados desde el eje de salida. A modo orientativo se muestra la siguiente tabla.

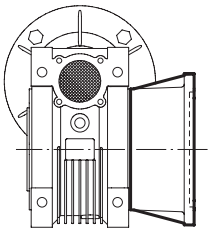
	7.5/1	10/1	15/1	20/1	25/1	30/1	40/1	50/1	60/1	80/1	100/1
030											
040											
050			REVERSIBLES		NEUTROS		IRREVERSIBLES				
063											
075											
090											
110											
130											



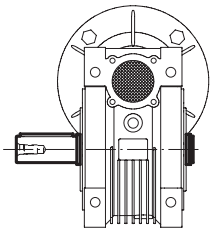
1. oil seal
2. inner hex screw
3. nut
4. spring washer
5. hex screw
6. input flange
7. O-Ring
8. adjust spacer
9. bearing
10. hole input worm
11. hole input and shaft output worm
12. oil seal
13. input cover
14. Bearing
15. key
16. shaft input worm
17. shaft input and shaft output worm
18. key
19. oil plug
20. casing
21. oil seal
22. output flange
23. inner hex screw
24. bearing
25. hole-circlip
26. oil seal
27. cover
28. bearing
29. worm wheel
30. O-Ring
31. output cover
32. shaft-circlip
33. spacer
34. key
35. key
36. double output shaft
37. single output shaft



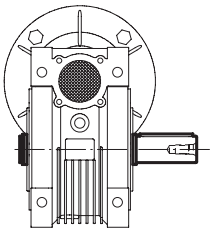
ESTANDAR



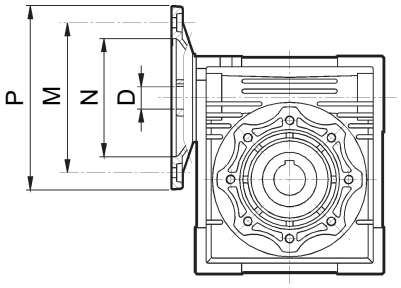
LADO CONTRARIO



ESTANDAR



LADO CONTRARIO

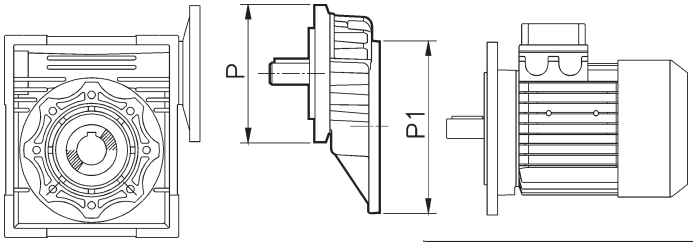


PREDISPOSICION

NMRV	PAM IEC	N	M	P	D										
					7.5	10	15	20	25	30	40	50	60	80	100
025	56B14	50	65	80	9	9	9	9		9	9	9	9		
030	63B5	95	115	140	11	11	11	11	11	11	11	11			
	63B14	60	75	90											
	56B5	80	100	120	9	9	9	9	9	9	9	9	9	9	
	56B14	50	65	80											
040	71B5	110	130	160	14	14	14	14	14	14	14				
	71B14	70	85	105											
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90											
	56B5	80	100	120								9	9	9	9
050	80B5	130	165	200	19	19	19	19	19	19					
	80B14	80	100	120											
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	
	71B14	70	85	105											
	63B5	95	115	140							11	11	11	11	11
063	90B5	130	165	200	24	24	24	24	24	24					
	90B14	95	115	140											
	80B5	130	165	200	19	19	19	19	19	19	19	19	19		
	80B14	80	100	120											
	71B5	110	130	160							14	14	14	14	14
	71B14	70	85	105											
075	100/112B5	180	215	250	28	28	28								
	100/112B14	110	130	160											
	90B5	130	165	200	24	24	24	24	24	24	24				
	90B14	95	115	140											
	80B5	130	165	200				19	19	19	19	19	19	19	19
	80B14	80	100	120											
	71B5	110	130	160								14	14	14	14
090	100/112B5	180	215	250	28	28	28	28	28	28					
	100/112B14	110	130	160											
	90B5	130	165	200	24	24	24	24	24	24	24	24	24		
	90B14	95	115	140											
	80B5	130	165	200							19	19	19	19	19
	80B14	80	100	120											
110	132B5	230	265	300	38*	38*	38*	38*							
	100/112B5	180	215	250	28	28	28	28	28	28	28	28	28		
	90B5	130	165	200					24	24	24	24	24	24	24
	80B5	130	165	200										19	19
130	132B5	230	265	300	38*	38*	38*	38*	38*	38*	38*				
	100/112B5	180	215	250					28	28	28	28	28	28	28
	90B5	130	165	200										24	24

PC+RSTV 组合 PC+RSTV Combinaciones

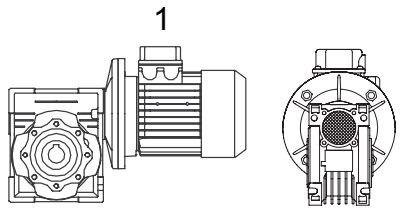
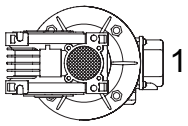
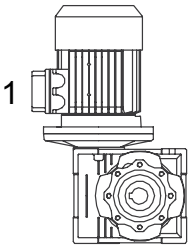
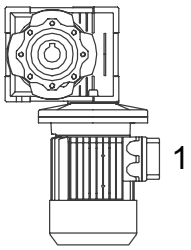
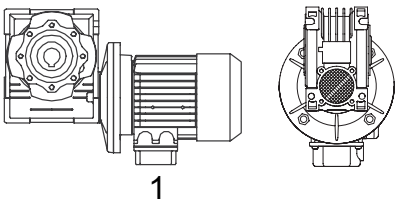
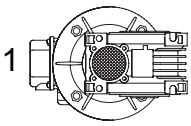
NMRV	i	PC 063		PC 071		PC 080			PC 090		
		105 / 11 i = 3	105 / 14 i = 3	120 / 14 i = 3	120 / 19 i = 3	160 / 19 i = 3	160 / 24 i = 3	160 / 28 i = 3	160 / 19 i = 2.42	160 / 24 i = 2.42	160 / 28 i = 2.42
040	25	■	■								
	30	■	■								
	40	■	■								
	50	■									
	60	■									
	80	■									
	100	■									
050	25		■	■	■						
	30		■	■	■						
	40	■	■	■							
	50	■	■	■							
	60	■	■	■							
	80	■	■	■							
	100	■									
063	25				■						
	30				■						
	40		■	■	■						
	50		■	■	■						
	60		■	■	■						
	80		■	■							
	100		■	■							
075	25				■	■	■		■	■	
	30				■	■	■		■	■	
	40				■	■	■		■	■	
	50			■	■	■			■		
	60			■	■	■			■		
	80			■	■	■			■		
	100			■	■	■			■		
090	25						■	■		■	■
	30						■	■		■	■
	40				■	■	■		■	■	
	50				■	■	■		■	■	
	60				■	■	■		■	■	
	80				■	■			■		
	100				■	■			■		
110	25						■	■		■	■
	30						■	■		■	■
	40						■	■		■	■
	50						■	■		■	■
	60						■	■		■	■
	80					■	■	■	■	■	
	100					■	■		■	■	
130	25							■			■
	30							■			■
	40							■			■
	50							■			■
	60							■			■
	80						■	■		■	■
	100						■	■		■	■

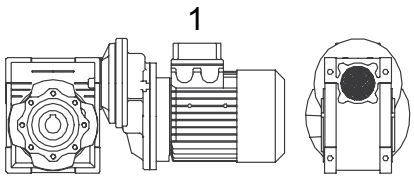
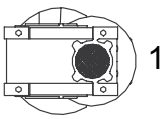
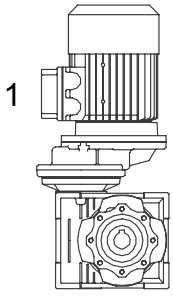
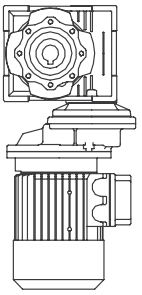
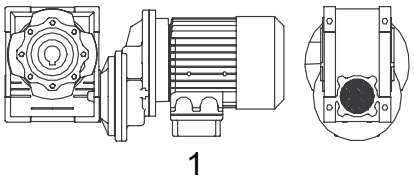
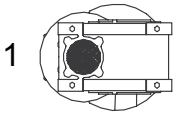


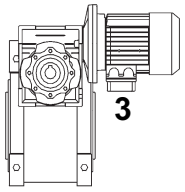
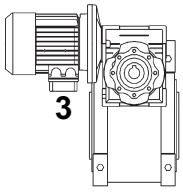
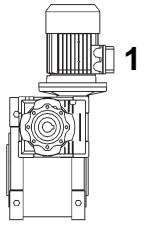
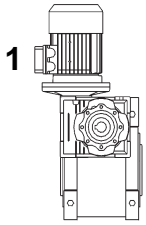
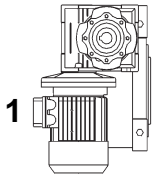
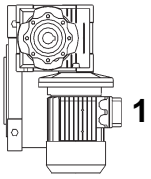
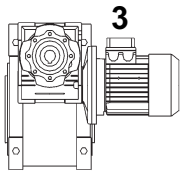
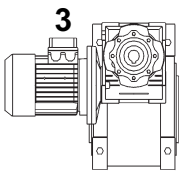
	P1	P	P*
PC 063	63B5-140/11	105/11	105/14*
PC 071	71B5-160/14	120/14	120/19*
PC 080	80B5-200/19	160/19	160/24* 160/28*
PC 090	90B5-200/24	160/24	160/19* 160/28*

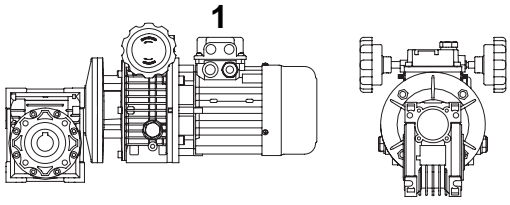
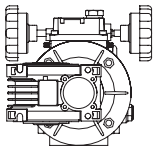
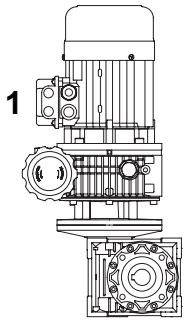
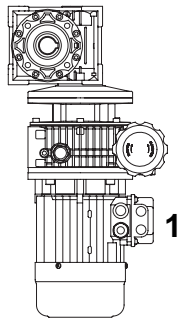
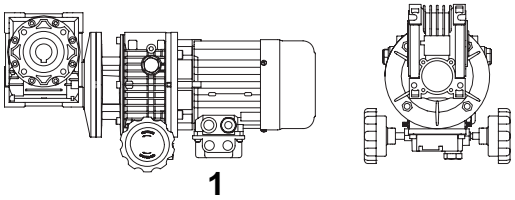
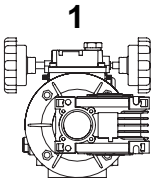
(*) modelo no standard

POSICIONES DE MONTAJE

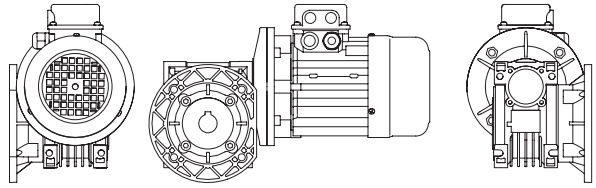
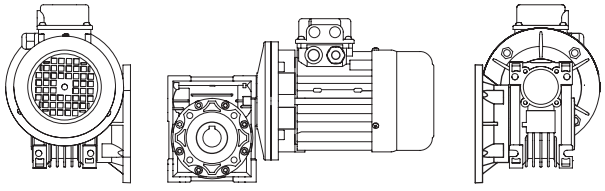
RSTV			
RSTV...U - B3	**B6**	**V5**	**V6**
			
B8	**B7**		
			

PC - RSTV			
RSTV...U - B3	**B6**	**V5**	**V6**
			
B8	**B7**		
			

RSTV-RSTV/ RSTIV-RSTV			
AS1	**AS2**	**VS1**	**VS2**
			
PS1	**PS2**	**BS1**	**BS2**
			

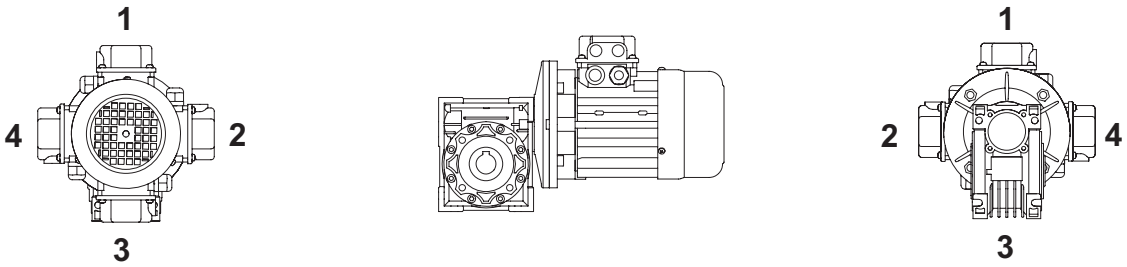
VTF-RSTV			
RSTV...U-B3	**B6**	**V5**	**V6**
			
B8	**B7**		
			

BRIDA F-FB

D	S
	

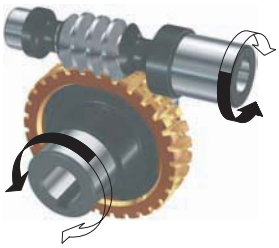
SI NO SE ESPECIFICA , EL REDUCTOR SE MONTA SEGÚN LA POSICIÓN D PARA POSICIÓN B3

POSICIÓN DE LA CAJA DE BORNES



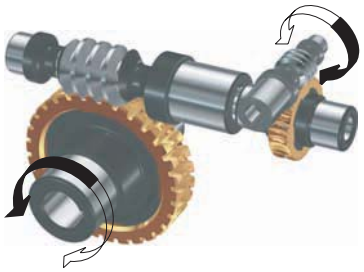
PARA PEDIDOS CON REQUERIMIENTOS ESPECIFICOS, INDICAR POSICIÓN DE LA CAJA DE BORNES SEGÚN EL DIAGRAMA.

DIRECCION DE ROTOCION

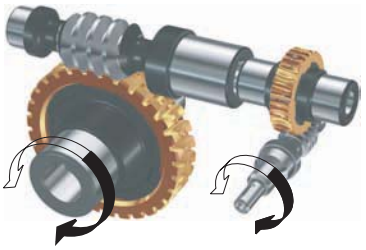


RSTV

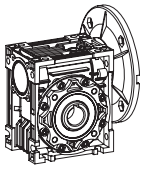
RSTIV



RSTV+RSTV

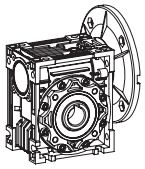


RSTIV+RSTV

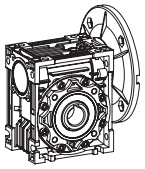


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.06	186.7	2.6	7.5	503	4.2	**RSTV025**	**5614**	58
	140	3.4	10	553	3.5			
	93.3	4.9	15	633	2.5			
	70	6.1	20	697	2			
	46.7	8.2	30	798	1.6			
	35	10	40	878	1.3			
	28	12	50	946	0.9			
	23.3	14	60	1006	0.7			
	186.7	2.6	7.5	683	6.9	**RSTV030**	**5614**	59
	140	3.4	10	752	5.4			
	93.3	4.7	15	861	3.8			
	70	6	20	948	3			
	56	7	25	1021	3			
	46.7	8	30	1085	2.5			
	35	9.7	40	1194	1.9			
	28	11	50	1286	1.5			
	23.3	13	60	1367	1.3			
	17.5	14	80	1504	0.9			
	14	25	100	1620	1.3	**RSTV025+030**	**5614**	71
	9.3	32	150	1830	0.9			
	7	41	200	1830	0.7			
	5.6	44	250	1830	0.8			
	4.7	59	300	3490	1.2	**RSTV025+040**	**5614**	71
	3.5	71	400	3490	0.9			
	2.8	82	500	3490	0.7			
	2.3	101	600	3490	0.6			
	1.9	116	750	3490	0.5			
	1.6	143	900	3490	0.5			
	1.2	171	1200	3490	0.4			
	0.9	197	1500	3490	0.3			
	0.8	217	1800	3490	0.3			
	0.6	268	2400	3490	0.2			
	0.5	324	3000	3490	0.2			
	0.4	294	4000	3490	0.1			
	0.3	356	5000	3490	0.1			
	4.7	57	300	3490	1.3	**RSTV030+040**	**5614**	72
	3.5	70	400	3490	0.9			
	2.8	96	500	3490	0.6			
	2.3	104	600	3490	0.7			
	1.9	121	750	3490	0.6	**RSTV030+040**	**5614**	72
	1.6	139	900	3490	0.5			
	1.2	166	1200	3490	0.4			
	0.9	196	1500	3490	0.4			
	0.8	218	1800	3490	0.3			

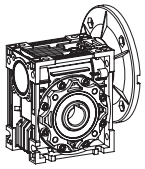


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.06	0.58	261	2400	3490	0.2	**RSTV030+040**	**5614**	72
	0.4	300	3200	3490	0.2			
	0.4	279	4000	3490	0.1			
	0.28	338	5000	3490	0.1			
	1.6	141	900	4840	1	**RSTV030+050**	**5614**	72
	1.2	169	1200	4840	0.7			
	0.93	199	1500	4840	0.7			
	0.78	222	1800	4840	0.7			
	0.6	266	2400	4840	0.5			
	0.5	307	3000	4840	0.4			
	0.35	288	4000	4840	0.3			
	0.29	311	4800	4840	0.3			
	0.9	204	1500	6270	1.1	**RSTV030+063**	**5614**	72
	0.78	225	1800	6270	0.9			
	0.58	276	2400	6270	0.8			
	0.47	319	3000	6270	0.7			
	0.35	306	4000	6270	0.6			
	0.28	360	5000	6270	0.4			
	0.6	330	2400	7380	1.1	**RSTV040+075**	**5614**	73
	0.47	377	3000	7380	0.8			
	0.35	355	4000	7380	0.7			
	0.28	419	5000	7380	0.5			
	0.5	406	3000	8180	1.4	**RSTV040+090**	**5614**	73
	0.35	365	4000	8180	1.3			
	0.28	431	5000	8180	1			
0.09	373.3	2	7.5	399	3.9	**RSTV025**	**5612**	58
	280	2.6	10	439	3.4			
	186.7	3.8	15	503	2.4			
	140	4.9	20	553	1.9			
	93.3	6.7	30	633	1.3			
	70	8.3	40	697	1.1			
	56	10	50	751	0.9			
	186.7	3.9	7.5	503	2.8	**RSTV025**	**5624**	58
	140	5.1	10	553	2.4			
	93.3	7.3	15	633	1.6			
	70	9.2	20	697	1.3			
	46.7	12	30	798	1.1			
	35	15	40	878	0.9			
	373.3	2	7.5	542	6.5	**RSTV030**	**5612**	59
	280	2.6	10	597	5			
	186.7	3.7	15	683	3.5			
	140	4.8	20	752	2.5			

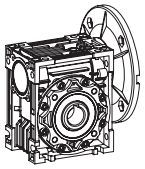


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.09	112	5.7	25	810	2.8	**RSTV030**	**5612**	59
	93.3	6.5	30	861	2.3			
	70	8.1	40	948	1.7			
	56	10	50	1021	1.4			
	46.7	11	60	1085	1.1			
	35	13	80	1194	0.9			
	186.7	3.9	7.5	683	4.6	**RSTV030**	**5624**	59
	140	5	10	752	3.6			
	93.3	7.1	15	861	2.5			
	70	9	20	948	2			
	56	10	25	1021	2			
	46.7	12	30	1085	1.7			
	35	14	40	1194	1.2			
	28	17	50	1286	1			
	23.3	19	60	1367	0.9			
	28	20	100	1286	1.6	**RSTV025+030**	**5612**	71
	18.7	25	150	1472	1.1			
	14	33	200	1620	0.9			
	14	38	100	1620	0.8	**RSTV025+030**	**5624**	71
	9.3	49	150	1830	0.6			
	7	62	200	1830	0.5			
	5.6	66	250	1830	0.5			
	4.7	75	300	1830	0.4			
	3.5	107	400	1830	0.3			
	2.8	115	500	1830	0.3			
	2.3	135	600	1830	0.2			
	1.9	151	750	1830	0.2			
	1.6	178	900	1830	0.2			
	1.2	212	1200	1830	0.1			
	0.9	247	1500	1830	0.1			
	0.78	304	1800	1830	0.1			
	0.58	340	2400	1830	0.1			
	0.47	405	3000	1830	0.1			
	28	19	50	2475	2	**RSTV040**	**5624**	60
	23.3	21	60	2630	1.7			
	17.5	26	80	2895	1.3			
	14	29	100	3118	1			
	9.3	45	300	3490	1.6	**RSTV025+040**	**5612**	71
	7	54	400	3490	1.2			
	5.6	77	500	3490	0.8			
	4.7	88	300	3490	0.8	**RSTV030+040**	**5624**	72

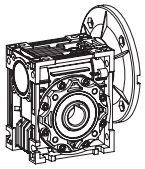


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.09	3.5	107	400	4840	1.2	**RSTV030+050**	**5624**	72
	2.8	123	500	4840	1			
	2.3	159	600	4840	0.9			
	1.9	185	750	4840	0.8			
	1.6	212	900	4840	0.7			
	1.6	200	900	6270	1	**RSTV030+063**	**5624**	72
	1.2	263	1200	6270	0.9			
	0.93	305	1500	6270	0.7			
	0.9	360	1500	7380	1.1	**RSTV040+075**	**5624**	73
	0.78	404	1800	7380	1			
	0.58	496	2400	7380	0.7			
	0.5	609	3000	8180	0.9	**RSTV040+090**	**5624**	73
	0.35	548	4000	8180	0.8			
0.12	373.3	2.7	7.5	399	3	**RSTV025**	**5622**	58
	280	3.5	10	439	2.6			
	186.7	5	15	503	1.8			
	140	6.5	20	553	1.4			
	93.3	9	30	633	1			
	70	11	40	697	0.8			
	186.7	5.2	7.5	683	3.4	**RSTV030**	**6314**	59
	140	6.7	10	752	2.7			
	93.3	9.5	15	861	1.9			
	70	12	20	948	1.5			
	56	14	25	1021	1.5			
	46.7	16	30	1085	1.3			
	35	19	40	1194	0.9			
	28	23	50	1286	0.8			
	46.7	17	30	2087	2.6	**RSTV040**	**6314**	60
	35	21	40	2298	1.9			
	28	25	50	2475	1.5			
	23.3	28	60	2630	1.3			
	17.5	34	80	2895	1			
	14	38	100	3118	0.8			
	18.7	42	75	2833	1.2	**PC063+RSTV040**	**6314**	67
	15.6	46	90	3011	1.2			
	11.7	57	120	3314	0.9			
	9.3	66	150	3490	0.7			
	7.8	74	180	3490	0.6			
	23.3	29	60	3610	2.3	**RSTV050**	**6314**	61
	17.5	35	80	3973	1.9			
	14	40	100	4280	1.4			

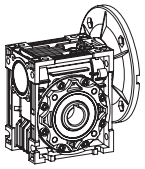


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.12	9.3	68	150	4840	1.3	**PC063+RSTV050**	**6314**	67
	7.8	75	180	4840	1.1			
	5.8	88	240	4840	0.8			
	4.7	98	300	4840	0.7			
	4.7	119	300	4840	1.2	**RSTV030+050**	**6314**	72
	3.5	142	400	4840	0.9			
	2.8	164	500	4840	0.7			
	5.8	92	240	6270	1.5	**PC063+RSTV063**	**6314**	68
	4.7	103	300	6270	1.2			
	2.8	171	500	6270	1.3	**RSTV030+063**	**6314**	72
	2.3	208	600	6270	1.1			
	1.9	241	750	6270	0.9			
	1.6	325	900	7380	1.2	**RSTV040+075**	**6314**	73
	1.2	399	1200	7380	0.9			
	0.8	547	1800	8180	0.9	**RSTV040+090**	**6314**	73
	0.58	695	2400	8180	0.9			
	0.5	884	3000	10320	1.2	**RSTV050+110**	**6314**	73
	0.35	784	4000	10320	1			
	0.28	928	5000	10320	0.8			
0.18	373.3	4	7.5	542	3.2	**RSTV030**	**6312**	59
	280	5.2	10	597	2.5			
	186.7	7.5	15	683	1.7			
	140	10	20	752	1.3			
	112	11	25	810	1.4			
	93.3	13	30	861	1.1			
	70	16	40	948	0.9			
	186.7	7.8	7.5	683	2.3	**RSTV030**	**6324**	59
	140	10	10	752	1.8			
	93.3	14	15	861	1.3			
	70	18	20	948	1			
	56	21	25	1021	1	**RSTV030**	**6324**	59
	46.7	24	30	1085	0.8			
	93.3	14	30	1657	2.4	**RSTV040**	**6312**	60
	70	18	40	1824	1.8			
	56	21	50	1964	1.4			
	70	19	20	1824	2	**RSTV040**	**6324**	60
	56	23	25	1964	1.7			
	46.7	26	30	2087	1.7			

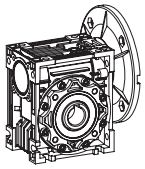


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.18	35	32	40	2298	1.3	**RSTV040**	**6324**	60
	28	38	50	2475	1			
	23.3	43	60	2630	0.8			
	45	29	20	2113	1.5	**RSTV040**	**7116**	60
	36	34	25	2276	1.3			
	30	38	30	2419	1.3			
	22.5	47	40	2662	1			
	18.7	64	75	2833	0.8	**PC063+RSTV040**	**6324**	67
	15.6	70	90	3011	0.8			
	11.7	85	120	3314	0.6			
	46.7	24	60	2865	2.1	**RSTV050**	**6312**	61
	35	30	80	3153	1.5			
	28	34	100	3397	1.2			
	35	33	40	3153	2.3	**RSTV050**	**6324**	61
	28	39	50	3397	1.9			
	23.3	43	60	3610	1.6			
	17.5	52	80	3973	1.2			
	14	60	100	4280	0.9			
	18	56	50	3936	1.4	**RSTV050**	**7116**	61
	15	63	60	4183	1.1			
	11.3	75	80	4604	0.9			
	18.7	64	75	3889	1.4	**PC063+RSTV050**	**6324**	67
	15.6	71	90	4132	1.5			
	11.7	87	120	4548	1.1			
	9.3	101	150	4840	0.9			
	7.8	113	180	4840	0.7			
	5.8	133	240	4840	0.6			
	12	95	75	4506	1.2	**PC071+RSTV050**	**7116**	68
	10	105	90	4788	1.4			
	7.5	126	120	4840	1			
	15	66	60	5467	2.1	**RSTV063**	**7116**	62
	11.3	79	80	6018	1.6			
	9	90	100	6270	1.4			
	9.3	103	150	6270	1.7	**PC063+RSTV063**	**6324**	68
	7.8	117	180	6270	1.4			
	5.8	139	240	6270	1			
	4.7	155	300	6270	0.8			

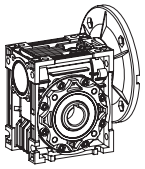


PRESTACIONES MOTOREDUCTOR

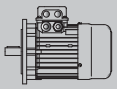
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.18	12	97	75	5889	2.2	**PC071+RSTV063**	**7116**	68
	10	107	90	6259	2.4			
	7.5	131	120	6270	1.8			
	6	152	150	6270	1.4			
	5	168	180	6270	1.2			
	3.8	197	240	6270	0.9			
	3	218	300	6270	0.7			
	3.5	222	400	6270	1	**RSTV030+063**	**6324**	72
	2.8	257	500	6270	0.8			
	5	179	180	7380	1.7	**PC071+RSTV075**	**7116**	69
	3.8	211	240	7380	1.2			
	3	235	300	7380	1			
	2.3	362	600	7380	1.1	**RSTV040+075**	**6324**	73
	1.9	435	750	7380	0.9			
	1.6	487	900	7380	0.8			
	1.2	629	1200	8180	1	**RSTV040+090**	**6324**	73
	0.93	735	1500	8180	0.8			
	0.8	861	1800	10320	1.5	**RSTV050+110**	**6324**	73
	0.58	1113	2400	10320	1.1			
0.25	373.3	5.6	7.5	542	2.3	**RSTV030**	**6322**	59
	280	7.2	10	597	1.8			
	186.7	10	15	683	1.3			
	140	13	20	752	0.9			
	112	16	25	810	1			
	93.3	18	30	861	0.8			
	186.7	11	7.5	1315	3.6	**RSTV040**	**7114**	60
	140	14	10	1447	2.8			
	93.3	21	15	1657	1.9			
	70	27	20	1824	1.5			
	56	32	25	1964	1.2			
	46.7	36	30	2087	1.3			
	35	44	40	2298	0.9			
	120	17	7.5	1524	2.6	**RSTV040**	**7126**	60
	90	22	10	1677	2			
	60	31	15	1920	1.4			
	45	40	20	2113	1.1			
	36	48	25	2276	0.9			
	30	53	30	2419	0.9			
	35	42	80	3153	1.1	**RSTV050**	**6322**	61
	28	48	100	3397	0.8			

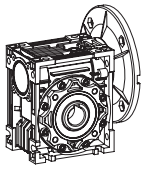


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.25	70	27	20	2503	2.7	**RSTV050**	**7114**	61
	56	32	25	2696	2.2			
	46.7	37	30	2865	2.3			
	35	46	40	3153	1.7			
	28	54	50	3397	1.4			
	23.3	60	60	3610	1.1			
	17.5	72	80	3973	0.9			
	45	40	20	2900	1.9	**RSTV050**	**7126**	61
	36	48	25	3124	1.5			
	30	54	30	3320	1.7			
	22.5	67	40	3654	1.2			
	18	78	50	3936	1			
	15	88	60	4183	0.8			
	18.7	88	75	3889	1	**PC071+RSTV050**	**7114**	68
	15.6	98	90	4132	1.1			
	11.7	121	120	4548	0.8			
	28	56	50	4440	2.4	**RSTV063**	**7114**	62
	23.3	63	60	4719	2			
	17.5	78	80	5193	1.6			
	14	87	100	5595	1.4			
	18	81	50	5145	1.8	**RSTV063**	**7126**	62
	15	92	60	5467	1.5			
	11.3	110	80	6018	1.2			
	9	125	100	6270	1			
	18.7	91	75	5083	1.8	**PC071+RSTV063**	**7114**	68
	15.6	100	90	5401	2			
	11.7	125	120	5945	1.5			
	9.3	143	150	6270	1.2			
	7.8	163	180	6270	1			
	5.8	192	240	6270	0.7			
	4.7	215	300	6270	0.6			
	12	135	75	5889	1.6	**PC071+RSTV063**	**7126**	68
	10	148	90	6259	1.8			
	7.5	181	120	6270	1.3			
	6	211	150	6270	1			
	7	159	400	6270	1.4	**RSTV030+063**	**6322**	72
	5.6	185	500	6270	1.2			
	17.5	82	80	6130	2.3	**RSTV075**	**7114**	63
	14	94	100	6603	1.9			

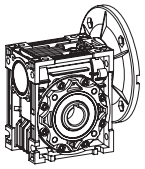


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.25	11.3	117	80	7103	1.7	**RSTV075**	**7126**	63
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	**PC071+RSTV075**	**7114**	69
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	**PC071+RSTV075**	**7126**	69
	10	155	90	7380	2.5			
	7.5	191	120	7380	1.9			
	6	219	150	7380	1.5			
	5	248	180	7380	1.2			
	3.5	336	400	7380	1.1	**RSTV040+075**	**7114**	73
	2.8	384	500	7380	0.8			
	5	263	180	8180	1.9	**PC071+RSTV090**	**7126**	69
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	512	600	8180	1.2	**RSTV040+090**	**7114**	73
	1.9	598	750	8180	0.9			
	1.6	667	900	8180	0.8			
	1.2	943	1200	10320	1.3	**RSTV050+110**	**7114**	73
	0.93	1064	1500	10320	1.2			
	0.78	1195	1800	10320	1.1			
	0.6	1624	2400	13500	1	**RSTV063+130**	**7114**	74
	0.47	1935	3000	13500	0.8			
	0.35	2046	4000	13500	0.6			
	0.28	2430	5000	13500	0.5			
0.37	373.3	8.4	7.5	1044	3.3	**RSTV040**	**7112**	60
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	21	20	1447	1.4	**RSTV040**	**7112**	60
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	**RSTV040**	**7124**	60
	140	21	10	1447	1.9			
	93.3	31	15	1657	1.3			
	70	39	20	1824	1			
	56	47	25	1964	0.8			
	46.7	53	30	2087	0.8			

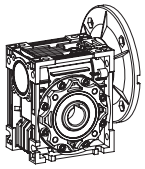


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.37	112	25	25	2140	2	**RSTV050**	**7112**	61
	93.3	29	30	2274	2.2			
	70	37	40	2503	1.6			
	56	44	50	2696	1.2			
	46.7	50	60	2865	1	**RSTV050**	**7112**	61
	35	62	80	3153	0.7			
	140	22	10	1987	3.3	**RSTV050**	**7124**	61
	93.3	31	15	2274	2.4			
	70	40	20	2503	1.8			
	56	48	25	2696	1.5			
	46.7	55	30	2865	1.5			
	35	68	40	3153	1.1			
	28	80	50	3397	0.9	**RSTV050**	**7124**	61
	23.3	89	60	3610	0.8			
	120	25	7.5	2091	3.3	**RSTV050**	**8016**	61
	90	33	10	2302	2.5			
	60	47	15	2635	1.8			
	45	60	20	2900	1.3			
	36	72	25	3124	1			
	30	80	30	3320	1.1			
	35	71	40	4122	2.1	**RSTV063**	**7124**	62
	28	83	50	4440	1.6			
	23.3	94	60	4719	1.4			
	17.5	115	80	5193	1.1			
	14	129	100	5595	0.9			
	45	60	20	3791	2.4	**RSTV063**	**8016**	62
	36	74	25	4084	1.9			
	30	82	30	4339	2.1			
	22.5	102	40	4776	1.6			
	18	120	50	5145	1.2			
	15	137	60	5467	1			
	18.7	134	75	5083	1.2	**PC071+RSTV063**	**7124**	68
	15.6	148	90	5401	1.4			
	11.7	185	120	5945	1			
	9.3	212	150	6270	0.8			
	9.3	181	300	6270	1.3	**RSTV030+063**	**7112**	72
	7	236	400	6270	1			
	23.3	98	60	5569	2	**RSTV075**	**7124**	63
	17.5	121	80	6130	1.6			
	14	139	100	6603	1.3			

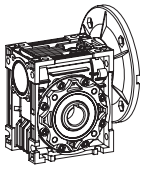


PRESTACIONES MOTOREDUCTOR

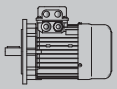
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.37	18	126	50	6073	1.8	**RSTV075**	**8016**	63
	15	144	60	6453	1.5			
	11.3	173	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	**PC071+RSTV075**	**7124**	69
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	**PC080+RSTV075**	**8016**	69
	10	230	90	7380	1.7			
	7.5	283	120	7380	1.3			
	6	324	150	7380	1			
	4.7	405	300	7380	1	**RSTV040+075**	**7124**	73
	3.5	498	400	7380	0.7			
	11.3	185	80	7859	1.7	**RSTV090**	**8016**	64
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	**PC071+RSTV090**	**7124**	69
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
	6	347	150	8180	1.6	**PC080+RSTV090**	**8016**	70
	5	389	180	8180	1.3			
	3.8	471	240	8180	1			
	4.7	402	300	8180	1.5	**RSTV040+090**	**7124**	73
	3.5	523	400	8180	1.2			
	2.8	611	500	8180	0.9			
	2.3	757	600	8180	0.8			
	3.8	509	240	10320	1.6	**PC080+RSTV110**	**8016**	70
	3	577	300	10320	1.3			
	1.9	950	750	10320	1.3	**RSTV050+110**	**7124**	73
	1.6	1079	900	10320	1.2			
	1.2	1396	1200	10320	0.8			
	0.9	1674	1500	13500	1.1	**RSTV063+130**	**7124**	74
	0.78	1887	1800	13500	0.9			
0.55	373.3	13	7.5	1044	2.2	**RSTV040**	**7122**	60
	280	17	10	1149	1.8			
	186.7	24	15	1315	1.3			
	140	31	20	1447	0.9			
	112	37	25	1559	0.8			

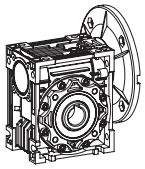


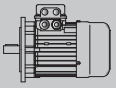
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.55	140	31	20	1987	1.7	**RSTV050**	**7122**	61
	112	38	25	2140	1.4			
	93.3	43	30	2274	1.5			
	70	55	40	2503	1.1			
	56	65	50	2696	0.8			
	46.7	74	60	2865	0.7			
	186.7	25	7.5	1805	2.9	**RSTV050**	**8014**	61
	140	32	10	1987	2.2	**RSTV050**	**8014**	61
	93.3	46	15	2274	1.6			
	70	59	20	2503	1.2			
	56	71	25	2696	1			
	46.7	81	30	2865	1			
	120	38	7.5	2091	2.2	**RSTV050**	**8026**	61
	90	49	10	2302	1.7			
	60	69	15	2635	1.2			
	45	89	20	2900	0.9			
	70	56	40	3272	1.9	**RSTV063**	**7122**	62
	56	67	50	3524	1.5			
	46.7	77	60	3745	1.2			
	35	95	80	4122	0.9			
	28	109	100	4440	0.7			
	70	61	20	3272	2.2	**RSTV063**	**8014**	62
	56	73	25	3524	1.8			
	46.7	83	30	3745	1.9			
	35	105	40	4122	1.4			
	28	124	50	4440	1.1			
	23.3	140	60	4719	0.9			
	60	71	15	3444	2.2	**RSTV063**	**8026**	62
	45	90	20	3791	1.6			
	36	109	25	4084	1.3			
	30	123	30	4339	1.4			
	22.5	152	40	4776	1.1			
	35	99	80	4865	1.3	**RSTV075**	**7122**	63
	28	114	100	5241	1			
	35	108	40	4865	2	**RSTV075**	**8014**	63
	28	129	50	5241	1.6			
	23.3	146	60	5569	1.4			
	17.5	180	80	6130	1.1			
	14	206	100	6603	0.9			

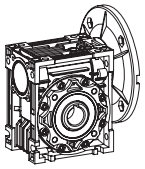


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.55	30	128	30	5122	2	**RSTV075**	**8026**	65
	22.5	159	40	5637	1.5			
	18	187	50	6073	1.2			
	15	214	60	6453	1			
	18.7	205	75	6000	1.2	**PC080+RSTV075**	**8014**	69
	15.6	230	90	6375	1.3			
	11.7	284	120	7017	1			
	9.3	332	150	7380	0.8			
	12	306	75	6952	1.1	**PC080+RSTV075**	**8026**	69
	10	341	90	7380	1.1			
	17.5	189	80	6783	1.5	**RSTV090**	**8014**	64
	14	221	100	7306	1.2			
	18	198	50	6719	2	**RSTV090**	**8026**	64
	15	224	60	7140	1.6			
	11.3	275	80	7859	1.1			
	9	315	100	8180	0.9			
	15.6	240	90	7054	2.3	**PC080+RSTV090**	**8014**	70
	11.7	297	120	7764	1.6			
	9.3	355	150	8180	1.3			
	7.8	398	180	8180	1			
	10	357	90	8174	2	**PC080+RSTV090**	**8026**	70
	7.5	441	120	8180	1.4			
	6	516	150	8180	1.1			
	5	578	180	8180	0.9			
	9.3	306	300	8180	2	**RSTV040+090**	**7122**	73
	7	403	400	8180	1.5			
	5.6	470	500	8180	1.2			
	17.5	201	80	8571	2.6	**RSTV110**	**8014**	65
	14	236	100	9232	2			
	11.3	294	80	9931	1.9	**RSTV110**	**8026**	65
	9	338	100	10320	1.5			
	7.8	425	180	10320	1.8	**PC080+RSTV110**	**8014**	70
	5.8	513	240	10320	1.3			
	4.7	597	300	10320	1			
	7.5	462	120	10320	2.6	**PC080+RSTV110**	**8026**	70
	6	552	150	10320	2			
	5	620	180	10320	1.6			
	3.8	756	240	10320	1.1			

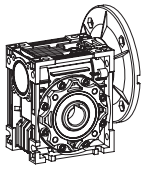


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.55	4.7	639	300	10320	2	**RSTV050+110**	**8014**	73
	3.5	826	400	10320	1.4			
	2.8	984	500	10320	1.1			
	2.3	1181	600	10320	1			
	1.9	1411	750	10320	0.9			
	3.8	756	240	13500	1.6	**PC080+RSTV130**	**8026**	70
	3	858	300	13500	1.3			
	2.8	996	500	13500	1.6	**RSTV063+130**	**8014**	74
	1.9	1471	750	13500	1.2			
	1.2	2132	1200	13500	0.8			
0.75	373.3	17	7.5	1433	3	**RSTV050**	**8012**	61
	280	23	10	1577	2.4			
	186.7	33	15	1805	1.7			
	140	42	20	1987	1.3			
	112	51	25	2140	1			
	93.3	58	30	2274	1.1			
	186.7	34	7.5	1805	2.1	**RSTV050**	**8024**	61
	140	44	10	1987	1.6			
	93.3	63	15	2274	1.2			
	70	81	20	2503	0.9			
	140	43	20	2597	2.3	**RSTV063**	**8012**	62
	112	52	25	2797	1.8			
	93.3	60	30	2973	2			
	70	77	40	3272	1.4			
	56	91	50	3524	1.1			
	46.7	104	60	3745	0.9			
	93.3	64	15	2973	2.2	**RSTV063**	**8024**	62
	70	83	20	3272	1.6			
	56	100	25	3524	1.3			
	46.7	114	30	3745	1.4			
	35	143	40	4122	1			
	120	52	7.5	2734	2.9	**RSTV063**	**90S6**	62
	90	68	10	3009	2.3			
	60	97	15	3444	1.6			
	45	123	20	3791	1.2			
	36	149	25	4084	0.9			
	30	167	30	4339	1			
	46.7	109	60	4421	1.3	**RSTV075**	**8012**	63
	28	156	100	5241	0.8			

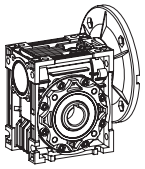


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.75	56	102	25	4160	2	**RSTV075**	**8024**	63
	46.7	117	30	4421	2			
	35	147	40	4865	1.5			
	28	177	50	5241	1.2			
	23.3	200	60	5569	1			
	60	98	15	4065	2.4	**RSTV075**	**90S6**	63
	45	126	20	4474	1.9			
	36	153	25	4820	1.4			
	30	174	30	5122	1.5			
	22.5	216	40	5637	1.1			
	18.7	280	75	6000	0.9	**PC080+RSTV075**	**8024**	69
	15.6	313	90	6375	1			
	35	141	80	5383	1.6	**RSTV090**	**8012**	64
	28	166	100	5799	1.2			
	28	184	50	5799	1.8	**RSTV090**	**8024**	64
	23.3	212	60	6163	1.5			
	17.5	258	80	6783	1.1			
	14	302	100	7306	0.9			
	30	179	30	5667	2.6	**RSTV090**	**90S6**	64
	22.5	226	40	6238	1.8			
	18	271	50	6719	1.4			
	15	306	60	7140	1.1			
	15.6	327	90	7054	1.7	**PC080+RSTV090**	**8024**	70
	11.7	405	120	7764	1.2			
	9.3	483	150	8180	0.9			
	7.8	543	180	8180	0.7			
	7	549	400	8180	1.1	**RSTV040+090**	**8012**	73
	5.6	642	500	8180	0.9			
	17.5	274	80	8571	1.9	**RSTV110**	**8024**	65
	14	322	100	9232	1.5			
	15	325	60	9023	2.1	**RSTV110**	**90S6**	65
	11.3	401	80	9931	1.4			
	9	462	100	10320	1.1			
	11.7	430	120	9811	2.2	**PC080+RSTV110**	**8024**	70
	9.3	506	150	10320	1.7			
	7.8	580	180	10320	1.3			
	5.8	700	240	10320	0.9			

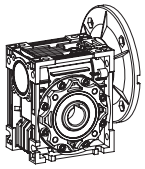


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.75	12.4	393	73	9614	3.2	**PC090+RSTV110**	**90S6**	71
	9.3	508	96.8	10320	2.3			
	7.4	607	121	10320	1.8			
	6.2	682	145.2	10320	1.5			
	4.6	832	193.6	10320	1			
	9.3	446	300	10320	2.8	**RSTV050+110**	**8012**	74
	7	563	400	10320	2.1			
	5.6	687	500	10320	1.6			
	4.7	871	300	10320	1.5	**RSTV050+110**	**8024**	74
	3.5	1126	400	10320	1.1			
	11.3	407	80	12989	2.1	**RSTV130**	**90S6**	67
	9	470	100	13500	1.7			
	5.8	712	240	13500	1.4	**PC080+RSTV130**	**8024**	71
	4.7	813	300	13500	1.1			
	12.4	399	73	12575	4.4	**PC090+RSTV130**	**90S6**	71
	9.3	508	96.8	13500	3.2			
	7.4	607	121	13500	2.6			
	6.2	682	145.2	13500	2.1			
	4.6	832	193.6	13500	1.5			
	3.7	944	242	13500	1.2			
	2.8	1358	500	13500	1.1	**RSTV063+130**	**8024**	75
	2.3	1631	600	13500	1			
	1.9	2005	750	13500	0.9			
	1.6	2283	900	13500	0.8			
1.1	373.3	25	7.5	1433	2.1	**RSTV050**	**8022**	62
	280	33	10	1577	1.6			
	186.7	48	15	1805	1.2			
	140	62	20	1987	0.9			
	186.7	48	15	2359	2.1	**RSTV063**	**8022**	63
	140	63	20	2597	1.6			
	112	77	25	2797	1.2			
	93.3	88	30	2973	1.4			
	70	113	40	3272	1			
	120	76	7.5	2734	2	**RSTV063**	**90L6**	63
	90	99	10	3009	1.5			
	60	142	15	3444	1.1			
	45	180	20	3791	0.8			

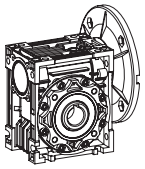


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
1.1	186.7	50	7.5	2359	2.6	**RSTV063**	**90S4**	62
	140	65	10	2597	2			
	93.3	93	15	2973	1.5			
	70	122	20	3272	1.1			
	56	146	25	3524	0.9			
	46.7	167	30	3745	1			
	112	78	25	3302	1.9	**RSTV075**	**8022**	63
	93.3	90	30	3509	1.9			
	70	116	40	3862	1.4			
	56	139	50	4160	1.1			
	46.7	160	60	4421	0.9			
	90	100	10	3551	2.3	**RSTV075**	**90L6**	63
	60	144	15	4065	1.6			
	45	184	20	4474	1.3			
	36	225	25	4820	1			
	30	256	30	5122	1			
	93.3	96	15	3509	2.1	**RSTV075**	**90S4**	63
	70	123	20	3862	1.7			
	56	150	25	4160	1.3			
	46.7	171	30	4421	1.3			
	35	216	40	4865	1			
	35	207	80	5383	1.1	**RSTV090**	**8022**	64
	28	244	100	5799	0.8			
	36	231	25	5333	1.6	**RSTV090**	**90L6**	64
	30	263	30	5667	1.8			
	22.5	331	40	6238	1.2			
	18	397	50	6719	1			
	15	448	60	7140	0.8			
	35	225	40	5383	1.6	**RSTV090**	**90S4**	64
	28	270	50	5799	1.3			
	23.3	311	60	6163	1			
	22.5	345	40	7882	2.3	**RSTV110**	**90L6**	65
	18	414	50	8491	1.8			
	15	476	60	9023	1.4			
	11.3	588	80	9931	1			
	28	281	50	7328	2.3	**RSTV110**	**90S4**	65
	23.3	324	60	7787	1.9			
	17.5	402	80	8571	1.3			
	14	473	100	9232	1			

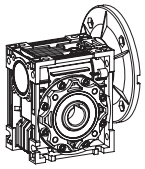


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
1.1	12.4	576	73	9614	2.2	**PC090+RSTV110**	**90L6**	70
	9.3	746	96.8	10320	1.6			
	7.4	890	121	10320	1.2			
	6.2	1000	145.2	10320	1			
	19.3	392	73	8298	2.5	**PC090+RSTV110**	**90S4**	70
	14.5	508	96.8	9133	1.8			
	11.6	599	121	9838	1.5			
	9.6	686	145.2	10320	1.1			
	7.2	828	193.6	10320	0.8			
	9.3	654	300	10320	1.9	**RSTV050+110**	**8022**	73
	7	845	400	10320	1.4			
	5.6	1007	500	10320	1.1			
	11.3	598	80	12989	1.4	**RSTV130**	**90L6**	66
	9	689	100	13500	1.1			
	17.5	408	80	11210	2.1	**RSTV130**	**90S4**	66
	14	480	100	12076	1.5			
	12.4	585	73	12575	3	**PC090+RSTV130**	**90L6**	70
	9.3	746	96.8	13500	2.2			
	7.4	890	121	13500	1.7			
	6.2	1000	145.2	13500	1.4			
	4.6	1220	193.6	13500	1			
	19.3	398	73	10853	3.5	**PC090+RSTV130**	**90S4**	70
	14.5	508	96.8	11945	2.6			
	11.6	608	121	12868	2			
	9.6	686	145.2	13500	1.6			
	7.2	843	193.6	13500	1.2			
	5.8	962	242	13500	0.9			
	4.7	1312	300	13500	1.3	**RSTV063+130**	**90S4**	74
	3.5	1671	400	13500	1			
	2.8	1991	500	13500	0.8			
1.5	373.3	35	7.5	1433	1.5	**RSTV050**	**80C2**	61
	280	45	10	1577	1.2			
	186.7	65	15	1805	0.9			
	186.7	68	7.5	2359	1.9	**RSTV063**	**90L4**	62
	140	89	10	2597	1.5			
	93.3	127	15	2973	1.1			
	70	166	20	3272	0.8	**RSTV063**	**90L4**	62

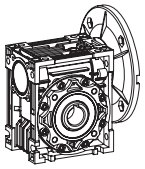


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
1.5	373.3	35	7.5	1873	2.7	**RSTV063**	**90S2**	62
	280	46	10	2061	2.1			
	186.7	66	15	2359	1.6			
	140	86	20	2597	1.2			
	112	105	25	2797	0.9			
	93.3	120	30	2973	1			
	120	105	7.5	3227	2	**RSTV075**	**100L6**	63
	90	137	10	3551	1.7			
	60	196	15	4065	1.2			
	56	189	50	4160	0.8	**RSTV075**	**90S2**	63
	46.7	218	60	4421	0.7			
	140	90	10	3065	2.2	**RSTV075**	**90L4**	63
	93.3	130	15	3509	1.5			
	70	168	20	3862	1.3			
	56	205	25	4160	1			
	46.7	233	30	4421	1			
	280	46	10	2433	3.1	**RSTV075**	**90S2**	63
	186.7	67	15	2785	2.2			
	140	87	20	3065	1.8	**RSTV075**	**90S2**	63
	112	106	25	3302	1.4			
	93.3	123	30	3509	1.4			
	70	158	40	3862	1			
	90	138	10	3929	2.7	**RSTV090**	**100L6**	64
	60	201	15	4498	2.1			
	45	258	20	4951	1.5			
	36	314	25	5333	1.2			
	30	358	30	5667	1.3			
	70	172	20	4273	2.1	**RSTV090**	**90L4**	64
	56	210	25	4603	1.6			
	46.7	239	30	4891	1.7			
	35	307	40	5383	1.2			
	28	368	50	5799	0.9			
	23.3	424	60	6163	0.8			
	56	194	50	4603	1.4	**RSTV090**	**90S2**	64
	46.7	227	60	4891	1.1			
	45	264	20	6256	2.7	**RSTV110**	**100L6**	65
	36	322	25	6739	2.4			
	30	363	30	7161	2.3			
	22.5	471	40	7882	1.7			
	18	565	50	8491	1.3			
	15	649	60	9023	1.1			

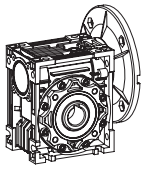


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
1.5	35	319	40	6803	2.2	**RSTV110**	**90L4**	65
	28	384	50	7328	1.7			
	23.3	442	60	7787	1.4			
	17.5	548	80	8571	0.9			
	46.7	236	60	6181	2	**RSTV110**	**90S2**	65
	35	299	80	6803	1.3			
	28	353	100	7328	1			
	19.3	535	73	8298	1.9	**PC090+RSTV110**	**90L4**	70
	14.5	693	96.8	9133	1.3			
	11.6	817	121	9838	1.1			
	9.6	936	145.2	10320	0.8			
	9.3	891	300	10320	1.4	**RSTV050+110**	**90S2**	73
	7	1153	400	10320	1			
	5.6	1373	500	10320	0.8			
	22.5	478	40	10309	2.3	**RSTV130**	**100L6**	66
	18	573	50	11105	1.8			
	15	659	60	11801	1.4	**RSTV130**	**100L6**	66
	11.3	815	80	12989	1.1			
	17.5	557	80	11210	1.5	**RSTV130**	**90L4**	66
	14	655	100	12076	1.1			
	19.3	542	73	10853	2.6	**PC090+RSTV130**	**90L4**	70
	14.5	693	96.8	11945	1.9			
	11.6	830	121	12868	1.5			
	9.6	936	145.2	13500	1.1			
	7.2	1149	194	13500	0.8			
	9.3	915	300	13500	1.9	**RSTV063+130**	**90S2**	74
	7	1166	400	13500	1.4			
	5.6	1389	500	13500	1.1			
	4.7	1789	300	13500	1	**RSTV063+130**	**90L4**	74
	3.5	2279	400	13500	0.7			
2.2	373.3	51	7.5	1873	1.8	**RSTV063**	**90L2**	62
	280	67	10	2061	1.5			
	186.7	97	15	2359	1.1			
	186.7	100	7.5	2785	1.8	**RSTV075**	**100LA4**	63
	140	132	10	3065	1.5			
	93.3	191	15	3509	1			

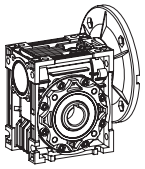


PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
2.2	373.3	51	7.5	2210	2.5	**RSTV075**	**90L2**	63
	280	68	10	2433	2.1			
	186.7	98	15	2785	1.5			
	140	128	20	3065	1.3			
	112	156	25	3302	1			
	93.3	180	30	3509	0.9			
	186.7	101	7.5	3081	2.9	**RSTV090**	**100LA4**	64
	140	134	10	3391	2.3			
	93.3	194	15	3882	1.9			
	70	252	20	4273	1.4			
	56	308	25	4603	1.1			
	46.7	351	30	4891	1.2			
	120	156	7.5	3570	2.2	**RSTV090**	**112M6**	64
	90	203	10	3929	1.8			
	60	294	15	4498	1.4			
	45	378	20	4951	1			
	140	131	20	3391	2	**RSTV090**	**90L2**	64
	112	159	25	3653	1.6			
	93.3	185	30	3882	1.7			
	70	237	40	4273	1.2			
	56	285	50	4603	0.9			
	70	255	20	5399	2.5	**RSTV110**	**100LA4**	65
	56	315	25	5816	2.2			
	46.7	356	30	6181	2			
	35	468	40	6803	1.5			
	28	563	50	7328	1.2			
	23.3	648	60	7787	1			
	90	205	10	4965	3.5	**RSTV110**	**112M6**	65
	60	298	15	5684	2.6			
	45	388	20	6256	1.9			
	36	473	25	6739	1.6			
	30	532	30	7161	1.6			
	112	163	25	4616	3.1	**RSTV110**	**90L2**	65
	93.3	187	30	4905	3			
	70	246	40	5399	2.1	**RSTV110**	**90L2**	65
	56	296	50	5816	1.7			
	46.7	347	60	6181	1.4			
	38.6	398	73	6586	2.1	**PC090+RSTV110**	**90L2**	70
	28.9	516	96.8	7249	1.5			
	23.1	617	121	7809	1.2			

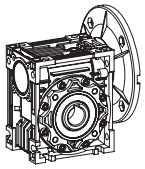


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
2.2	35	468	40	8897	2.2	**RSTV130**	**100LA4**	66
	28	563	50	9584	1.7			
	23.3	648	60	10185	1.4			
	17.5	816	80	11210	1			
	36	479	25	8814	2.2	**RSTV130**	**112M6**	66
	30	546	30	9366	2.1			
	22.5	700	40	10309	1.6			
	18	840	50	11105	1.2	**RSTV130**	**112M6**	66
	15	966	60	11801	1			
	35	438	80	8897	1.3	**RSTV130**	**90L2**	66
	28	525	100	9584	1			
	38.6	409	73	8614	2.9	**PC090+RSTV130**	**90L2**	70
	28.9	545	96.8	9481	2			
	23.1	654	121	10213	1.6			
	19.3	752	145.2	10853	1.3			
3	373.3	70	7.5	2210	1.9	**RSTV075**	**100L2**	63
	280	92	10	2433	1.6			
	186.7	137	7.5	2785	1.4	**RSTV075**	**100LB4**	63
	140	180	10	3065	1.1			
	93.3	261	15	3509	0.8			
	373.3	71	7.5	2446	3	**RSTV090**	**100L2**	64
	280	92	10	2692	2.6			
	186.7	138	7.5	3081	2.1	**RSTV090**	**100LB4**	64
	140	182	10	3391	1.7			
	93.3	264	15	3882	1.4			
	70	344	20	4273	1			
	56	420	25	4603	0.8			
	46.7	479	30	4891	0.9			
	93.3	264	15	4905	2.5	**RSTV110**	**100LB4**	64
	70	348	20	5399	1.9			
	56	430	25	5816	1.6			
	46.7	485	30	6181	1.5			
	35	638	40	6803	1.1			
	28	767	50	7328	0.9			
	120	212	7.5	4511	3.1	**RSTV110**	**132S6**	64
	90	280	10	4965	2.5			
	60	406	15	5684	1.9			
	45	528	20	6256	1.4			



PRESTACIONES MOTOREDUCTOR

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
3	56	430	25	7607	2.2	**RSTV130**	**100LB4**	66
	46.7	491	30	8084	2.1			
	35	638	40	8897	1.6			
	28	767	50	9584	1.3			
	23.3	884	60	10185	1			
	17.5	1113	80	11210	0.8			
	90	280	10	6494	3.4	**RSTV130**	**132S6**	66
	60	406	15	7434	2.6			
	45	535	20	8182	1.9	**RSTV130**	**132S6**	66
	36	653	25	8814	1.6	**RSTV130**	**132S6**	66
	30	745	30	9366	1.6			
	22.5	955	40	10309	1.2			
4	373.3	93	7.5	2210	1.4	**RSTV075**	**112M2**	63
	280	123	10	2433	1.2			
	186.7	182	7.5	2785	1	**RSTV075**	**112M4**	63
	140	240	10	3065	0.8			
	373.3	94	7.5	2446	2.2	**RSTV090**	**112M2**	64
	280	123	10	2692	1.9			
	186.7	184	7.5	3081	1.6	**RSTV090**	**112M4**	64
	140	243	10	3391	1.3			
	93.3	352	15	3882	1			
	70	458	20	4273	0.8			
	140	243	10	4285	2.5	**RSTV110**	**112M4**	65
	93.3	352	15	4905	1.9			
	70	464	20	5399	1.4			
	56	573	25	5816	1.2			
	46.7	647	30	6181	1.1			
	120	283	7.5	4511	2.3	**RSTV110**	**132MA6**	65
	90	374	10	4965	1.9			
	60	541	15	5684	1.4			
	56	573	25	7607	1.6	**RSTV130**	**112M4**	66
	46.7	655	30	8084	1.6			
	35	851	40	8897	1.2			
	28	1023	50	9584	1			
	23.3	1179	60	10185	0.8			
	120	287	7.5	5901	3.1	**RSTV130**	**132MA6**	66
	90	374	10	6494	2.6			
	60	541	15	7434	2			
	45	713	20	8182	1.5			
	36	870	25	8814	1.2			



P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i	Fr_2 [N]	fs			
5.5	186.7	253	7.5	3893	2.2	**RSTV110**	**132S4**	65
	140	334	10	4285	1.8			
	93.3	484	15	4905	1.4			
	70	638	20	5399	1			
	140	334	10	5605	2.5	**RSTV130**	**132S4**	66
	93.3	490	15	6416	1.9			
	70	645	20	7062	1.4			
	56	788	25	7607	1.2	**RSTV130**	**132S4**	66
	46.7	900	30	8084	1.2			
	35	1171	40	8897	0.9			
7.5	186.7	345	7.5	3893	1.6	**RSTV110**	**132M4**	65
	140	455	10	4285	1.3			
	93.3	660	15	4905	1			
	186.7	349	7.5	5092	2.1	**RSTV130**	**132M4**	66
	140	455	10	5605	1.8			
	93.3	668	15	6416	1.4			
	70	880	20	7062	1			
	56	1074	25	7607	0.9			
	46.7	1228	30	8084	0.8			
	35	1596	40	8897	0.7			

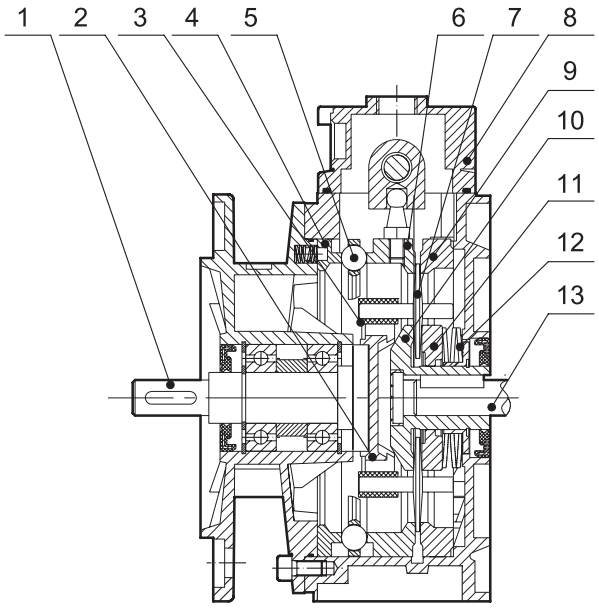
VTF MOTOVARIADORES DE DISCOS PLANETARIOS

Breve introducción

Los motovariadores y motovariadores-reductores de la serie VTF son fabricados con especial tecnología avanzada lo que los hace especialmente adaptados para tradajos en la industria de manutención, cerámica, envase, embalaje, química, textil, alimentaria, máquina herramienta, líneas qutomáticas de producción, líneas de ensamblaje y en general en aquellas en las que se requiere una regulación continuo. Sus principales características son las siguientes:

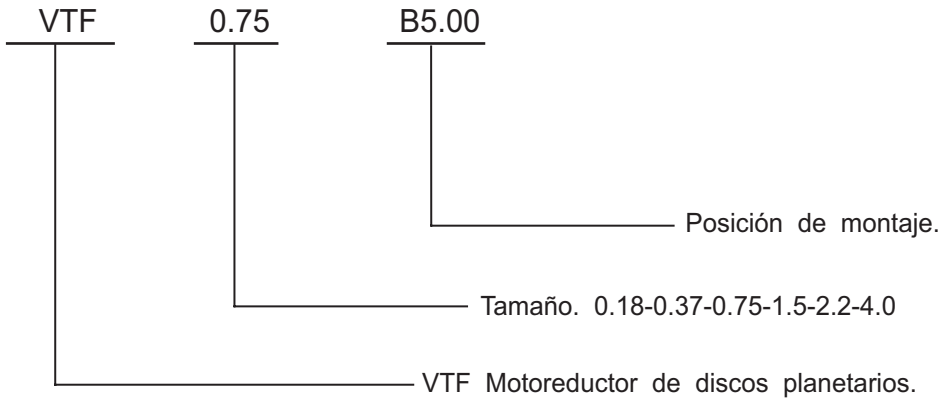
- Campo de regulación continuo 1:5.3 realizado en toda la gama respecto a la velocidad de entrada.
- Constante de velocidad±0.5% a la velocidad máxima y±1% a la mínima.
- Sentido de giro indistinto con entrada y salida concordantes.
- Funcionamiento silencioso y uniforme, gracias al número elevado y simétrico de puntos de contacto del mecanismo de variación.
- Buen dimensionamiento para garantizar una larga duración incluso con servicio continuo y a plena carga.
- Incremento del par hasta dos veces el nominal a la velocidad mínima.
- Elevado par de arranque.
- Alto rendimiento, aproximadamente el 84% a la máxima velocidad.
- Mínima manutención.
- Facilidad de adaptación y montaje, forma coaxial, compacta y de reducidas dimensiones.
- Fabricados en aluminio de alte calidad hasta el tamaño 1.50 y en fundición el resto de modelos.

结构 Características de funionamiento



1. Output shaft
2. Planet carrier
3. Friction bearing - planet disk
4. Cam ring
5. Ball ring
6. Adjustable annulus ring
7. Planet disk
8. Control cover
9. Fixed annulus ring
10. Fixed sun race
11. Adustable sun race
12. Belleville spring
13. Motor shaft

Designación



Instrucciones de montaje y mantenimiento

Durante la instalación y funcionamiento deben respetarse las siguientes instrucciones：

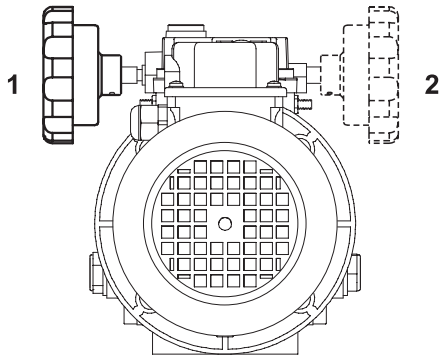
- Se debe asegurar una buena alineación entre el eje del motor y el acoplamiento del variador. El margen de error no debe ser superior a la tolerancia admitida por el acoplamiento.
- Cuando el árbol de salida se acopla a una ploea, piñón o acoplamiento elástico este debe fijarse mediante el tornillo situado en el extremo del eje o bien por calentamiento. Nunca golpear el eje de salida.

- Los variadores de velocidad mecánicos no deben usarse en aplicaciones donde se prevean sobrecargas o bloqueos de la máquina.
- La variación de velocidad debe efectuarse con el variador girando. Nunca manejar el volante de regulación con el motor parado.
- Los dos tornillos de regulación situados a ambos lados de la caja de maniobras vienen reglados de fábrica. Por favor no los toquen.
- Estos equipos están previstos para tradajar a una temperatura ambiente no superior a 40? , se debe considerar como temperatura ambiente máxima soportable 45 . Cuando el variador comienza a trabajar(sin carga), la temperatura se eleva más de lo normal hasta 40-50 por encima de la temperatura ambiente. Después de las primeras 60-80 horas de tradajo la temperatura disminuirá progresivamente hasta la temperatura normal de tradajo, unos 20 por encima de la temperatura ambiente y se mantendrá estable. La sobre temperatura ocurrida en la puesta en funcionamiento no daña a ninguna de las partes del variador ni afecta al tiempo de vida del mismo.（Sugerencia：tradajar sin carga durante las primeras horas）.
- El aceite lubricante usado es especial para variadores de velocidad. Su referencia es ISO VG320. Por favor comprobar el nivel de lubricante antes de su puesta en funcionamiento.

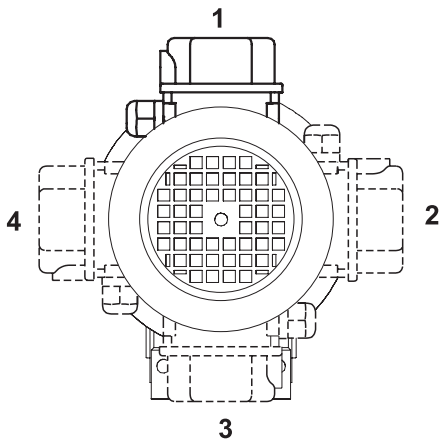
INTRUCCIONES DE MONTAJE Y MANTENIMIENTO

- Los variadores se suministran con lubricante, para trabajar durante las primeras 1.000 horas, después de este periodo el lubricante debe ser reemplazado.
- El nivel de aceite debe mantenerse a un tercio de la mirilla. Comprobar el nivel con asiduidad, estrictamente prohibido trabajar con un bajo nivel de lubricante. El tapón ciego situado en la caja de maniobras se utiliza para evitar derrame de aceite durante el transporte, debe sustituirse por un tapón desvaporizador antes de la puesta en funcionamiento.

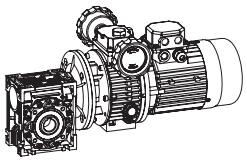
Posición estandar



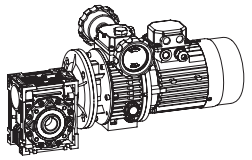
Posición del volante de mando



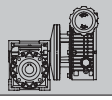
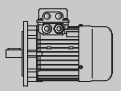
Posición de la caja de bornes

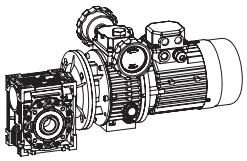


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i			
0.18	117 ~ 22.5	9 ~ 18	12 ~ 61.5	**VTF0.18-RSTV040**	**6324**	60 & 75
	88 ~ 17	12 ~ 23	16 ~ 82			
	58.7 ~ 11.3	17 ~ 32	24 ~ 123			
	44 ~ 8.5	22 ~ 40	32 ~ 164			
	35.2 ~ 6.8	27 ~ 47	40 ~ 205			
	29.3 ~ 5.7	30 ~ 51	48 ~ 246			
	22 ~ 4.3	37 ~ 62	64 ~ 328			
	17.6 ~ 3.4	43 ~ 60	80 ~ 410			
	22 ~ 4.3	38 ~ 63	64 ~ 328	**VTF0.18-RSTV050**	**6324**	61 & 75
	17.6 ~ 3.4	44 ~ 73	80 ~ 410			
	14.7 ~ 2.8	50 ~ 80	96 ~ 492			
	11 ~ 2.1	59 ~ 82	128 ~ 656			
	8.8 ~ 1.7	66 ~ 79	160 ~ 820			
0.37	133 ~ 26.7	19 ~ 36	10.5 ~ 52.5	**VTF0.37-RSTV050**	**7124**	61 & 75
	100 ~ 20	25 ~ 47	14 ~ 70			
	66.7 ~ 13.3	36 ~ 65	21 ~ 105			
	50 ~ 10	46 ~ 82	28 ~ 140			
	40 ~ 8	55 ~ 97	35 ~ 175			
	33.3 ~ 6.7	61 ~ 107	42 ~ 210			
	25 ~ 5	76 ~ 124	56 ~ 280			
	20 ~ 4	89 ~ 120	70 ~ 350			
	25 ~ 5	79 ~ 134	56 ~ 280	**VTF0.37-RSTV063**	**7124**	62 & 75
	20 ~ 4	92 ~ 155	70 ~ 350			
	16.7 ~ 3.3	104 ~ 173	84 ~ 420			
	12.5 ~ 2.5	125 ~ 173	112 ~ 560			
	10 ~ 2	139 ~ 150	140 ~ 700			
0.55	133 ~ 26.7	26 ~ 49	10.5 ~ 52.5	**VTF0.55-RSTV063**	**8014**	62 & 75
	100 ~ 20	34 ~ 63	14 ~ 70			
	66.7 ~ 13.3	48 ~ 88	21 ~ 105			
	50 ~ 10	62 ~ 112	28 ~ 140			
	40 ~ 8	75 ~ 133	35 ~ 175			
	33.3 ~ 6.7	81 ~ 146	42 ~ 210			
	25 ~ 5	105 ~ 179	56 ~ 280			
	20 ~ 4	123 ~ 207	70 ~ 350			
	20 ~ 4	129 ~ 216	70 ~ 350	**VTF0.55-RSTV075**	**8014**	63 & 75
	16.7 ~ 3.3	146 ~ 242	84 ~ 420			
	12.5 ~ 2.5	176 ~ 250	112 ~ 560			
	12.5 ~ 2.5	189 ~ 309	112 ~ 560	**VTF0.55-RSTV090**	**8014**	64 & 75
	10 ~ 2	218 ~ 350	140 ~ 700			
0.75	133 ~ 26.7	39 ~ 73	10.5 ~ 52.5	**VTF0.75-RSTV063**	**8024**	62 & 75
	100 ~ 20	51 ~ 94	14 ~ 70			
	66.7 ~ 13.3	72 ~ 132	21 ~ 105			

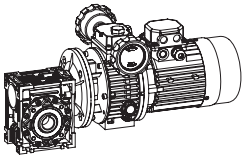


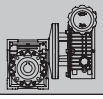
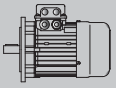
PRESTACIONES

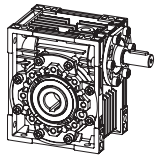
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i			
0.75	50 ~ 10	92 ~ 168	28 ~ 140	**VTF0.75-RSTV063**	**8024**	62 & 75
	40 ~ 8	112 ~ 199	35 ~ 175			
	33.3 ~ 6.7	126 ~ 219	42 ~ 210			
	25 ~ 5	156 ~ 232	56 ~ 280			
	20 ~ 4	185 ~ 310	70 ~ 350			
	20 ~ 4	192 ~ 320	70 ~ 350	**VTF0.75-RSTV075**	**8024**	63 & 75
	16.7 ~ 3.3	219 ~ 300	84 ~ 420			
	16.7 ~ 3.3	230 ~ 389	84 ~ 420	**VTF0.75-RSTV090**	**8024**	64 & 75
	12.5 ~ 2.5	265 ~ 428	112 ~ 560			
	10 ~ 2	303 ~ 410	140 ~ 700			
	12.5 ~ 2.5	302 ~ 503	112 ~ 560	**VTF0.75-RSTV110**	**8024**	65 & 75
	10 ~ 2	348 ~ 575	140 ~ 700			
1.1	133 ~ 26.7	59 ~ 111	10.5 ~ 52.5	**VTF1.1-RSTV075**	**90S4**	63 & 75
	100 ~ 20	77 ~ 144	14 ~ 70			
	66.7 ~ 13.3	110 ~ 203	21 ~ 105			
	50 ~ 10	142 ~ 258	28 ~ 140			
	40 ~ 8	172 ~ 308	35 ~ 175			
	33.3 ~ 6.7	195 ~ 340	42 ~ 210			
	25 ~ 5	245 ~ 360	56 ~ 280			
	100 ~ 20	78 ~ 146	14 ~ 70	**VTF1.1-RSTV090**	**90S4**	64 & 75
	66.7 ~ 13.3	113 ~ 208	21 ~ 105			
	50 ~ 10	146 ~ 266	28 ~ 140			
	40 ~ 8	177 ~ 320	35 ~ 175			
	33.3 ~ 6.7	202 ~ 356	42 ~ 210			
	25 ~ 5	256 ~ 442	56 ~ 280			
	20 ~ 4	304 ~ 517	70 ~ 350			
	20 ~ 4	320 ~ 550	70 ~ 350	**VTF1.1-RSTV110**	**90S4**	65 & 75
	16.7 ~ 3.3	368 ~ 625	84 ~ 420			
	12.5 ~ 2.5	455 ~ 754	112 ~ 560			
	10 ~ 2	522 ~ 710	140 ~ 700			
	16.7 ~ 3.3	373 ~ 623	84 ~ 420	**VTF1.1-RSTV130**	**90S4**	66 & 75
	12.5 ~ 2.5	460 ~ 749	112 ~ 560			
	10 ~ 2	531 ~ 868	140 ~ 700			
1.5	133 ~ 26.7	78 ~ 148	10.5 ~ 52.5	**VTF1.5-RSTV075**	**90L4**	63 & 75
	100 ~ 20	102 ~ 192	14 ~ 70			
	66.7 ~ 13.3	147 ~ 270	21 ~ 105			
	50 ~ 10	190 ~ 344	28 ~ 140			
	40 ~ 8	229 ~ 330	35 ~ 175			
	33.3 ~ 6.7	260 ~ 390	42 ~ 210			
	25 ~ 5	327 ~ 360	56 ~ 280			



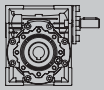
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i			
1.5	133 ~ 26.7	77 ~ 150	10.5 ~ 52.5	**VTF1.5-RSTV090**	**90L4**	64 & 75
	100 ~ 20	104 ~ 195	14 ~ 70			
	66.7 ~ 13.3	150 ~ 277	21 ~ 105			
	50 ~ 10	194 ~ 355	28 ~ 140			
	40 ~ 8	236 ~ 427	35 ~ 175			
	33.3 ~ 6.7	270 ~ 474	42 ~ 210			
	25 ~ 5	341 ~ 589	56 ~ 280			
	20 ~ 4	406 ~ 560	70 ~ 350			
	20 ~ 4	426 ~ 733	70 ~ 350	**VTF1.5-RSTV110**	**90L4**	65 & 75
	16.7 ~ 3.3	490 ~ 833	84 ~ 420			
	16.7 ~ 3.3	498 ~ 831	84 ~ 420	**VTF1.5-RSTV130**	**90L4**	66 & 75
	12.5 ~ 2.5	614 ~ 999	112 ~ 560			
	10 ~ 2	696 ~ 1100	140 ~ 700			
2.2	133 ~ 26.7	120 ~ 226	10.5 ~ 52.5	**VTF2.2-RSTV110**	**100LA4**	65 & 75
	100 ~ 20	157 ~ 294	14 ~ 70			
	66.7 ~ 13.3	228 ~ 418	21 ~ 105			
	50 ~ 10	298 ~ 549	28 ~ 140			
	40 ~ 8	364 ~ 664	35 ~ 175			
	33.3 ~ 6.7	413 ~ 717	42 ~ 210			
	25 ~ 5	533 ~ 931	56 ~ 280			
	25 ~ 5	542 ~ 932	56 ~ 280	**VTF2.2-RSTV130**	**100LA4**	66 & 75
	20 ~ 4	648 ~ 1097	70 ~ 350			
	16.7 ~ 3.3	746 ~ 1246	84 ~ 420			
	12.5 ~ 2.5	921 ~ 1499	112 ~ 560			
	10 ~ 2	1040 ~ 1690	140 ~ 700			
3	133 ~ 26.7	160 ~ 302	10.5 ~ 52.5	**VTF3.0-RSTV110**	**100LB4**	65 & 75
	100 ~ 20	210 ~ 392	14 ~ 70			
	66.7 ~ 13.3	304 ~ 558	21 ~ 105			
	50 ~ 10	398 ~ 732	28 ~ 140			
	40 ~ 8	485 ~ 885	35 ~ 175			
	33.3 ~ 6.7	547 ~ 956	42 ~ 210			
	25 ~ 5	711 ~ 1030	56 ~ 280			
	133 ~ 26.7	160 ~ 301	10.5 ~ 52.5	**VTF3.0-RSTV130**	**100LB4**	66 & 75
	100 ~ 20	211 ~ 395	14 ~ 70			
	66.7 ~ 13.3	307 ~ 563	21 ~ 105			
	50 ~ 10	402 ~ 733	28 ~ 140			
	40 ~ 8	490 ~ 885	35 ~ 175			
	33.3 ~ 6.7	562 ~ 973	42 ~ 210			
	25 ~ 5	720 ~ 1242	56 ~ 280			
	20 ~ 4	864 ~ 1463	70 ~ 350			

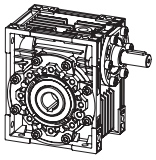


P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	i			
4	133 ~ 26.7	213 ~ 402	10.5 ~ 52.5	**VTF4.0-RSTV110**	**112M4**	65 & 75
	100 ~ 20	279 ~ 523	14 ~ 70			
	66.7 ~ 13.3	405 ~ 744	21 ~ 105			
	50 ~ 10	530 ~ 975	28 ~ 140			
	40 ~ 8	647 ~ 1020	35 ~ 175			
	133 ~ 26.7	214 ~ 401	10.5 ~ 52.5	**VTF4.0-RSTV130**	**112M4**	66 & 75
	100 ~ 20	281 ~ 527	14 ~ 70			
	66.7 ~ 13.3	410 ~ 751	21 ~ 105			
	50 ~ 10	536 ~ 978	28 ~ 140			
	40 ~ 8	653 ~ 1180	35 ~ 175			
	33.3 ~ 6.7	749 ~ 1298	42 ~ 210			
	25 ~ 5	960 ~ 1650	56 ~ 280			

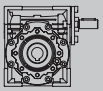


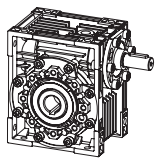
RSTIV (n_1=2800)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
13	7.5	0.58	373.3	542	125	**RSTIV030**	59
13	10	0.45	280	597	140		
13	15	0.31	186.7	683	140		
12	20	0.23	140	752	146		
16	25	0.25	112	810	210		
15	30	0.21	93.3	861	210		
14	40	0.16	70	948	127		
13	50	0.12	56	1021	128		
12	60	0.1	46.7	1085	126		
11	80	0.08	35	1194	130		
28	7.5	1.2	373.3	1044	233	**RSTIV040**	60
29	10	1	280	1149	272		
31	15	0.72	186.7	1315	291		
29	20	0.52	140	1447	204		
28	25	0.42	112	1559	236		
34	30	0.44	93.3	1657	350		
31	40	0.32	70	1824	350		
30	50	0.26	56	1964	350		
28	60	0.21	46.7	2087	350		
25	80	0.16	35	2298	350		
23	100	0.12	28	2475	350		
52	7.5	2.3	373.3	1433	324	**RSTIV050**	61
54	10	1.8	280	1577	378		
57	15	1.3	186.7	1805	399		
53	20	0.95	140	1987	417		
51	25	0.75	112	2140	482		
64	30	0.82	93.3	2274	490		
59	40	0.59	70	2503	490		
53	50	0.45	56	2696	490		
50	60	0.37	46.7	2865	490		
45	80	0.27	35	3153	490		
40	100	0.21	28	3397	490		
93	7.5	4	373.3	1873	395	**RSTIV063**	62
97	10	3.2	280	2061	463		
103	15	2.3	186.7	2359	492		
100	20	1.7	140	2597	538		
92	25	1.3	112	2797	593		
120	30	1.5	93.3	2973	700		
108	40	1.1	70	3272	700		
100	50	0.83	56	3524	700		
95	60	0.68	46.7	3745	700		
85	80	0.49	35	4122	700		
74	100	0.37	28	4440	700		



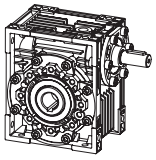
RSTIV (n_1=2800)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
130	7.5	5.6	373.3	2210	560	**RSTIV075**	63
145	10	4.7	280	2433	703		
150	15	3.4	186.7	2785	727		
160	20	2.8	140	3065	872		
150	25	2.1	112	3302	980		
170	30	2.1	93.3	3509	980		
165	40	1.6	70	3862	980		
150	50	1.2	56	4160	980		
145	60	1	46.7	4421	980		
130	80	0.72	35	4865	980		
120	100	0.58	28	5241	980		
210	7.5	8.9	373.3	2446	715	**RSTIV090**	64
235	10	7.7	280	2692	900		
270	15	6	186.7	3081	1034		
260	20	4.4	140	3391	1120		
250	25	3.4	112	3653	1270		
310	30	3.7	93.3	3882	1270		
275	40	2.6	70	4273	1270		
265	50	2	56	4603	1270		
245	60	1.6	46.7	4891	1270		
225	80	1.2	35	5383	1270		
200	100	0.9	28	5799	1270		
391	7.5	16.6	373.3	3090	950	**RSTIV110**	65
437	10	14.1	280	3401	1194		
489	15	10.7	186.7	3893	1337		
483	20	8	140	4285	1485		
506	25	6.8	112	4616	1700		
552	30	6.5	93.3	4905	1700		
529	40	4.7	70	5399	1700		
495	50	3.7	56	5816	1700		
473	60	3	46.7	6181	1700		
399	80	2	35	6803	1700		
368	100	1.6	28	7328	1700		
520	7.5	22.1	373.3	4042	1190	**RSTIV130**	66
580	10	18.7	280	4449	1493		
670	15	14.7	186.7	5092	1725		
660	20	11	140	5605	1912		
670	25	9	112	6038	2100		
770	30	9	93.3	6416	2100		
730	40	6.5	70	7062	2100		
700	50	5.1	56	7607	2100		
640	60	4	46.7	8084	2100		
590	80	3	35	8897	2100		
520	100	2.2	28	9584	2100		

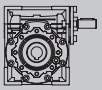


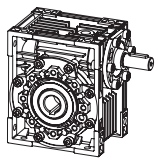
RSTIV (n_1=1400)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
18	7.5	0.41	186.7	683	150	**RSTIV030**	59
18	10	0.32	140	752	169		
18	15	0.23	93.3	861	169		
18	20	0.18	70	948	190		
21	25	0.18	56	1021	210		
20	30	0.15	46.7	1085	210		
18	40	0.11	35	1194	210		
17	50	0.09	28	1286	210		
16	60	0.08	23.3	1367	210		
13	80	0.05	17.5	1504	210		
40	7.5	0.9	186.7	1315	294	**RSTIV040**	60
40	10	0.69	140	1447	331		
40	15	0.48	93.3	1657	331		
39	20	0.37	70	1824	350		
38	25	0.3	56	1964	350		
38	25	0.3	56	1964	350		
45	30	0.31	46.7	2087	350		
41	40	0.23	35	2298	350		
39	50	0.18	28	2475	350		
36	60	0.15	23.3	2630	350		
33	80	0.12	17.5	2895	350		
29	100	0.09	14	3118	350		
71	7.5	1.6	186.7	1805	401	**RSTIV050**	61
72	10	1.2	140	1987	490		
74	15	0.88	93.3	2274	490		
73	20	0.68	70	2503	490		
70	25	0.54	56	2696	490		
84	30	0.57	46.7	2865	490		
76	40	0.42	35	3153	490		
73	50	0.34	28	3397	490		
68	60	0.28	23.3	3610	490		
65	80	0.22	17.5	3973	490		
55	100	0.16	14	4280	490		
128	7.5	2.8	186.7	2359	500	**RSTIV063**	62
130	10	2.2	140	2597	571		
140	15	1.6	93.3	2973	615		
135	20	1.2	70	3272	667		
130	25	1	56	3524	700		
160	30	1.1	46.7	3745	700		
145	40	0.76	35	4122	700		
135	50	0.6	28	4440	700		
130	60	0.51	23.3	4719	700		
122	80	0.39	17.5	5193	700		
118	100	0.34	14	5595	700		

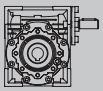


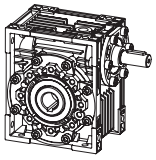
RSTIV (n_1=1400)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
185	7.5	4.1	186.7	2785	700	**RSTIV075**	63
195	10	3.2	140	3065	830		
200	15	2.3	93.3	3509	851		
210	20	1.9	70	3862	980		
200	25	1.5	56	4160	980		
230	30	1.5	46.7	4421	980		
220	40	1.1	35	4865	980		
210	50	0.89	28	5241	980		
200	60	0.75	23.3	5569	980		
190	80	0.58	17.5	6130	980		
180	100	0.48	14	6603	980		
290	7.5	6.3	186.7	3081	900	**RSTIV090**	64
310	10	5.1	140	3391	1082		
360	15	4.1	93.3	3882	1257		
355	20	3.1	70	4273	1270		
340	25	2.4	56	4603	1270		
410	30	2.6	46.7	4891	1270		
360	40	1.8	35	5383	1270		
340	50	1.4	28	5799	1270		
320	60	1.1	23.3	6163	1270		
285	80	0.83	17.5	6783	1270		
270	100	0.67	14	7306	1270		
552	7.5	12	186.7	3893	1200	**RSTIV110**	65
598	10	9.8	140	4285	1463		
656	15	7.5	93.3	4905	1604		
644	20	5.6	70	5399	1700		
679	25	4.7	56	5816	1700		
725	30	4.5	46.7	6181	1700		
702	40	3.3	35	6803	1700		
660	50	2.6	28	7328	1700		
616	60	2.1	23.3	7787	1700		
515	80	1.4	17.5	8571	1700		
483	100	1.1	14	9232	1700		
750	7.5	16.1	186.7	5092	1500	**RSTIV130**	66
820	10	13.5	140	5605	1845		
920	15	10.3	93.3	6416	2070		
910	20	7.8	70	7062	2100		
930	25	6.5	56	7607	2100		
1040	30	6.4	46.7	8084	2100		
1050	40	4.9	35	8897	2100		
980	50	3.8	28	9584	2100		
900	60	3.1	23.3	10185	2100		
840	80	2.3	17.5	11210	2100		
740	100	1.7	14	12076	2100		

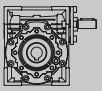


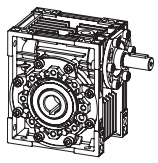
RSTIV (n_1=900)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
20	7.5	0.3	120	792	175	**RSTIV030**	59
20	10	0.24	90	871	197		
20	15	0.17	60	997	197		
20	20	0.13	45	1098	210		
23	25	0.14	36	1183	210		
21	30	0.11	30	1257	210		
20	40	0.09	22.5	1383	210		
18	50	0.07	18	1490	210		
17	60	0.06	15	1583	210		
15	80	0.04	11.3	1743	210		
44	7.5	0.65	120	1524	319	**RSTIV040**	60
44	10	0.5	90	1677	350		
45	15	0.36	60	1920	350		
44	20	0.28	45	2113	350		
43	25	0.23	36	2276	350		
49	30	0.23	30	2419	350		
45	40	0.17	22.5	2662	350		
42	50	0.14	18	2868	350		
39	60	0.11	15	3047	350		
35	80	0.09	11.3	3354	350		
32	100	0.07	9	3490	350		
84	7.5	1.2	120	2091	448	**RSTIV050**	61
84	10	0.94	90	2302	490		
84	15	0.67	60	2635	490		
77	20	0.48	45	2900	490		
75	25	0.39	36	3124	490		
90	30	0.42	30	3320	490		
82	40	0.31	22.5	3654	490		
77	50	0.25	18	3936	490		
72	60	0.21	15	4183	490		
68	80	0.16	11.3	4604	490		
56	100	0.12	9	4840	490		
151	7.5	2.2	120	2734	580	**RSTIV063**	62
153	10	1.7	90	3009	661		
155	15	1.2	60	3444	670		
148	20	0.91	45	3791	700		
137	25	0.69	36	4084	700		
175	30	0.79	30	4339	700		
160	40	0.58	22.5	4776	700		
145	50	0.45	18	5145	700		
138	60	0.37	15	5467	700		
128	80	0.29	11.3	6018	700		
124	100	0.25	9	6270	700		



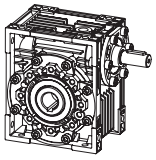
RSTIV (n_1=900)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
215	7.5	3.1	120	3227	810	**RSTIV075**	63
230	10	2.5	90	3551	975		
235	15	1.8	60	4065	980		
235	20	1.4	45	4474	980		
215	25	1.1	36	4820	980		
260	30	1.1	30	5122	980		
240	40	0.83	22.5	5637	980		
220	50	0.65	18	6073	980		
210	60	0.54	15	6453	980		
200	80	0.43	11.3	7103	980		
190	100	0.36	9	7380	980		
340	7.5	4.8	120	3570	1040	**RSTIV090**	64
370	10	4	90	3929	1270		
420	15	3.1	60	4498	1270		
390	20	2.3	45	4951	1270		
370	25	1.8	36	5333	1270		
460	30	1.9	30	5667	1270		
410	40	1.4	22.5	6238	1270		
390	50	1.1	18	6719	1270		
350	60	0.86	15	7140	1270		
315	80	0.63	11.3	7859	1270		
280	100	0.49	9	8180	1270		
650	7.5	9.2	120	4511	1390	**RSTIV110**	65
713	10	7.6	90	4965	1700		
759	15	5.6	60	5684	1700		
725	20	4.1	45	6256	1700		
759	25	3.5	36	6739	1700		
840	30	3.5	30	7161	1700		
794	40	2.5	22.5	7882	1700		
748	50	2	18	8491	1700		
682	60	1.6	15	9023	1700		
567	80	1.1	11.3	9931	1700		
515	100	0.84	9	10320	1700		
880	7.5	12.3	120	5901	1740	**RSTIV130**	66
960	10	10.3	90	6494	2100		
1060	15	7.8	60	7434	2100		
1040	20	5.8	45	8182	2100		
1050	25	4.8	36	8814	2100		
1170	30	4.7	30	9366	2100		
1100	40	3.5	22.5	10309	2100		
1050	50	2.7	18	11105	2100		
940	60	2.1	15	11801	2100		
860	80	1.6	11.3	12989	2100		
780	100	1.2	9	13500	2100		

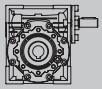


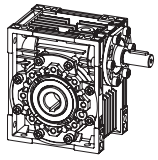
RSTIV (n_1=500)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
24	7.5	0.21	66.7	963	210	**RSTIV030**	59
24	10	0.16	50	1060	210		
24	15	0.12	33.3	1213	210		
23	20	0.09	25	1336	210		
29	25	0.1	20	1439	210		
26	30	0.08	16.7	1529	210		
23	40	0.06	12.5	1683	210		
21	50	0.05	10	1813	210		
19	60	0.04	8.3	1830	210		
17	80	0.03	6.3	1830	210		
54	7.5	0.45	66.7	1853	350	**RSTIV040**	60
54	10	0.35	50	2040	350		
55	15	0.26	33.3	2335	350		
52	20	0.19	25	2570	350		
49	25	0.15	20	2769	350		
58	30	0.16	16.7	2942	350		
53	40	0.12	12.5	3238	350		
49	50	0.1	10	3488	350		
46	60	0.08	8.3	3490	350		
40	80	0.06	6.3	3490	350		
36	100	0.05	5	3490	350		
103	7.5	0.86	66.7	2544	490	**RSTIV050**	61
103	10	0.67	50	2800	490		
103	15	0.47	33.3	3205	490		
93	20	0.33	25	3528	490		
91	25	0.28	20	3800	490		
108	30	0.29	16.7	4038	490		
98	40	0.22	12.5	4445	490		
91	50	0.17	10	4788	490		
83	60	0.14	8.3	4840	490		
75	80	0.11	6.3	4840	490		
65	100	0.09	5	4840	490		
184	7.5	1.5	66.7	3325	700	**RSTIV063**	62
185	10	1.2	50	3660	700		
187	15	0.85	33.3	4190	700		
178	20	0.63	25	4611	700		
164	25	0.48	20	4967	700		
200	30	0.54	16.7	5279	700		
185	40	0.4	12.5	5810	700		
173	50	0.32	10	6259	700		
160	60	0.26	8.3	6270	700		
137	80	0.19	6.3	6270	700		
128	100	0.16	5	6270	700		

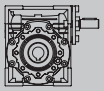


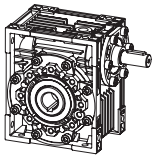
RSTIV (n_1=500)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
260	7.5	2.1	66.7	3925	980	**RSTIV075**	63
270	10	1.7	50	4320	980		
280	15	1.2	33.3	4945	980		
285	20	0.98	25	5443	980		
255	25	0.73	20	5863	980		
300	30	0.77	16.7	6231	980		
280	40	0.58	12.5	6858	980		
250	50	0.44	10	7380	980		
240	60	0.37	8.3	7380	980		
215	80	0.29	6.3	7380	980		
210	100	0.24	5	7380	980		
410	7.5	3.3	66.7	4343	1270	**RSTIV090**	64
435	10	2.7	50	4780	1270		
490	15	2.1	33.3	5472	1270		
470	20	1.6	25	6022	1270		
440	25	1.2	20	6487	1270		
550	30	1.4	16.7	6894	1270		
480	40	0.95	12.5	7588	1270		
450	50	0.75	10	8174	1270		
400	60	0.59	8.3	8180	1270		
365	80	0.45	6.3	8180	1270		
330	100	0.35	5	8180	1270		
794	7.5	6.4	66.7	5488	1700	**RSTIV110**	65
851	10	5.2	50	6040	1700		
909	15	3.9	33.3	6914	1700		
863	20	2.8	25	7610	1700		
909	25	2.4	20	8198	1700		
1000	30	2.4	16.7	8711	1700		
932	40	1.7	12.5	9588	1700		
880	50	1.4	10	10320	1700		
781	60	1.1	8.3	10320	1700		
662	80	0.76	6.3	10320	1700		
599	100	0.59	5	10320	1700		
1080	7.5	8.6	66.7	7178	2100	**RSTIV130**	66
1160	10	7.1	50	7900	2100		
1300	15	5.5	33.3	9043	2100		
1230	20	4	25	9953	2100		
1200	25	3.2	20	10722	2100		
1400	30	3.3	16.7	11394	2100		
1300	40	2.4	12.5	12540	2100		
1220	50	1.9	10	13500	2100		
1070	60	1.5	8.3	13500	2100		
970	80	1.1	6.3	13500	2100		
860	100	0.85	5	13500	2100		

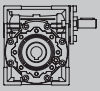


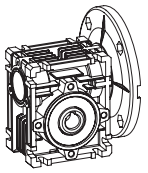
RSTIV + RSTV (n_1=1400)

M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
73	300	0.08	4.7	3490	210	**RSTIV030+040**	72
65	400	0.06	3.5	3490	210		
61	500	0.04	2.8	3490	210		
73	600	0.04	2.3	3490	210		
73	750	0.04	1.9	3490	210		
73	900	0.03	1.6	3490	210		
65	1200	0.02	1.2	3490	210		
73	1500	0.02	0.9	3490	210		
73	1800	0.02	0.8	3490	210		
65	2400	0.01	0.58	3490	210		
65	3200	0.01	0.4	3490	210		
33	4000	0.01	0.4	3490	210		
29	5000	0.01	0.28	3490	210		
145	300	0.15	4.7	4840	210	**RSTIV030+050**	72
124	400	0.1	3.5	4840	210		
120	500	0.09	2.8	4840	210		
145	600	0.08	2.3	4840	210		
145	750	0.07	1.9	4840	210		
145	900	0.06	1.6	4840	210		
124	1200	0.04	1.2	4840	210		
145	1500	0.04	0.93	4840	210		
145	1800	0.04	0.78	4840	210		
124	2400	0.03	0.6	4840	210		
120	3000	0.02	0.5	4840	210		
82	4000	0.02	0.35	4840	210		
82	4800	0.02	0.29	4840	210		
230	300	0.24	4.7	6270	210	**RSTIV030+063**	72
230	400	0.19	3.5	6270	210		
216	500	0.15	2.8	6270	210		
230	600	0.13	2.3	6270	210		
216	750	0.11	1.9	6270	210		
198	900	0.09	1.6	6270	210		
230	1200	0.08	1.2	6270	210		
216	1500	0.06	0.93	6270	210		
198	1800	0.05	0.78	6270	210		
230	2400	0.05	0.58	6270	210		
216	3000	0.04	0.47	6270	210		
172	4000	0.03	0.35	6270	210		
150	5000	0.02	0.28	6270	210		
390	300	0.36	4.7	7380	350	**RSTIV040+075**	73
360	400	0.27	3.5	7380	350		
320	500	0.21	2.8	7380	350		
390	600	0.19	2.3	7380	350		
390	750	0.16	1.9	7380	350		
390	900	0.14	1.6	7380	350		
360	1200	0.11	1.2	7380	350		

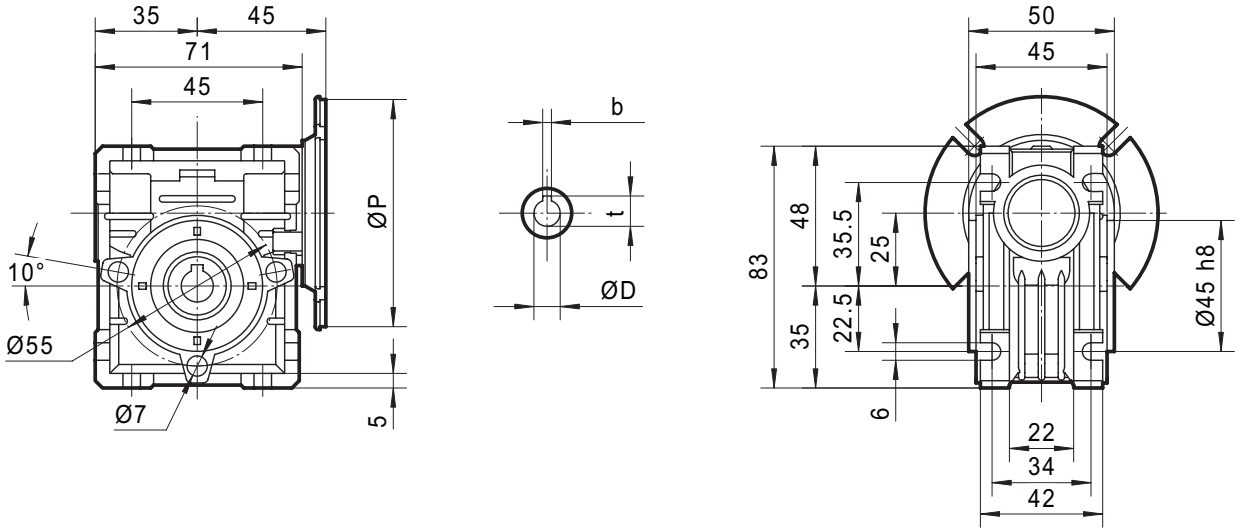


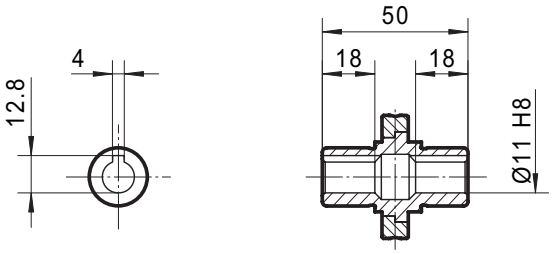
RSTIV / RSTV (n_1=1400)

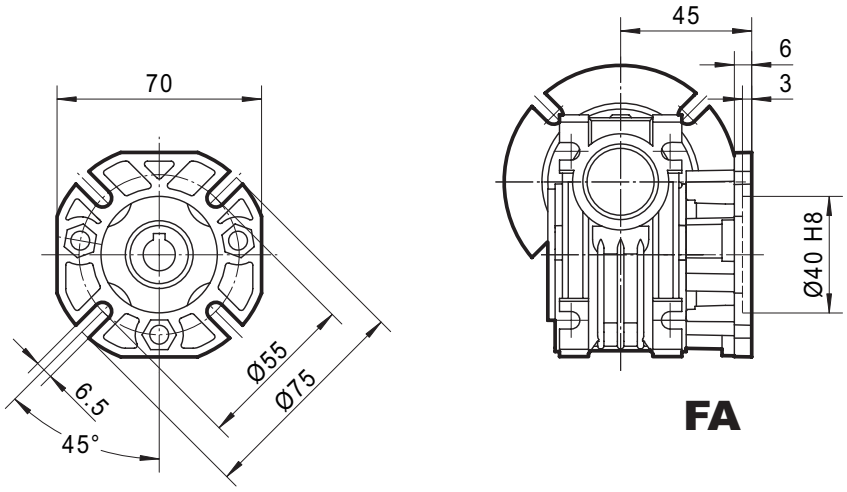
M_2 [Nm]	i	P_1 [Kw]	n_2 [min^{-1}]	Fr_2 [N]	Fr_1 [N]		
390	1500	0.1	0.93	7380	350	**RSTIV040+075**	73
390	1800	0.09	0.78	7380	350		
360	2400	0.07	0.58	7380	350		
320	3000	0.05	0.47	7380	350		
250	4000	0.04	0.35	7380	350		
230	5000	0.03	0.28	7380	350		
610	300	0.56	4.7	8180	350	**RSTIV040+090**	73
610	400	0.43	3.5	8180	350		
560	500	0.34	2.8	8180	350		
610	600	0.3	2.3	8180	350		
560	750	0.23	1.9	8180	350		
505	900	0.19	1.6	8180	350		
610	1200	0.17	1.2	8180	350		
560	1500	0.14	0.93	8180	350		
505	1800	0.11	0.78	8180	350	**RSTIV040+090**	73
610	2400	0.11	0.58	8180	350		
560	3000	0.08	0.47	8180	350		
460	4000	0.08	0.35	8180	350		
410	5000	0.06	0.28	8180	350		
1265	300	1.1	4.7	10320	490	**RSTIV050+110**	73
1185	400	0.79	3.5	10320	490		
1100	500	0.61	2.8	10320	490		
1185	600	0.55	2.3	10320	490		
1265	750	0.49	1.9	10320	490		
1265	900	0.43	1.6	10320	490		
1185	1200	0.31	1.2	10320	490		
1265	1500	0.3	0.93	10320	490		
1265	1800	0.26	0.78	10320	490		
1185	2400	0.19	0.58	10320	490		
1100	3000	0.15	0.47	10320	490		
819	4000	0.13	0.35	10320	490		
746	5000	0.1	0.28	10320	490		
1760	300	1.5	4.7	13500	700	**RSTIV063+130**	74
1650	400	1.1	3.5	13500	700		
1550	500	0.86	2.8	13500	700		
1650	600	0.76	2.3	13500	700		
1760	750	0.66	1.9	13500	700		
1760	900	0.58	1.6	13500	700		
1650	1200	0.43	1.2	13500	700		
1760	1500	0.39	0.93	13500	700		
1760	1800	0.35	0.78	13500	700		
1650	2400	0.25	0.58	13500	700		
1550	3000	0.2	0.47	13500	700		
1220	4000	0.15	0.35	13500	700		
1100	5000	0.11	0.28	13500	700		



RSTV **025**





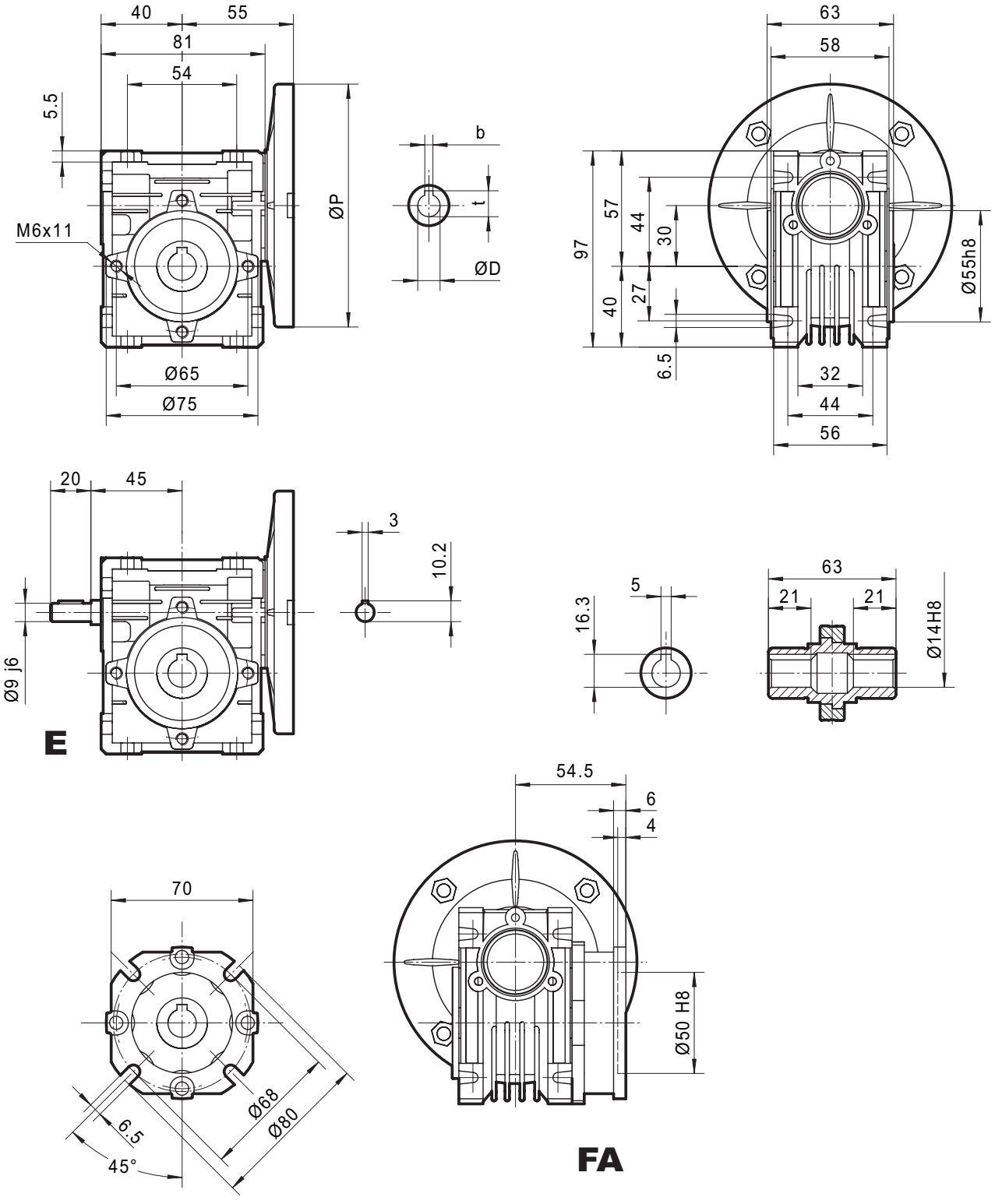


FA

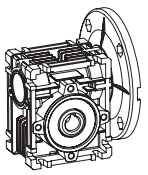
PESO SIN MOTOR 0.7kg

Para las dimensiones de acoplamiento cota (P, D, b, t)
consultar tabla página (73 de su catalogo)

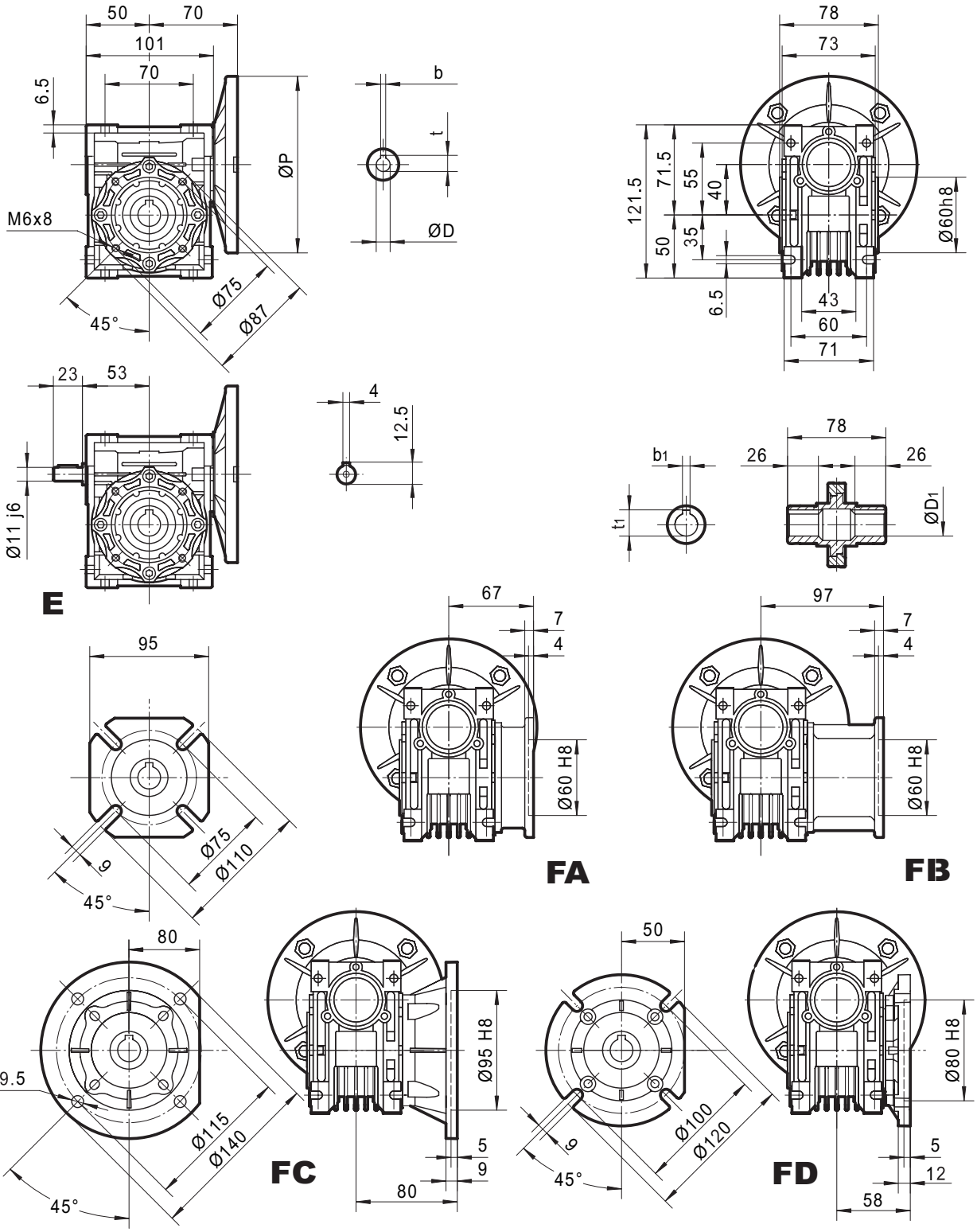
RSTV **030**



PESO SIN MOTOR 1.2kg
Para las dimensiones de acoplamiento cota (P, D, b, t)
consultar tabla página (73 de su catalogo)



RSTV **040**

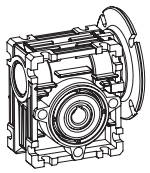


PESO SIN MOTOR 2.3kg

Para las dimensiones de acoplamiento cota (P, D, b, t) consultar tabla página (73 de su catalogo)

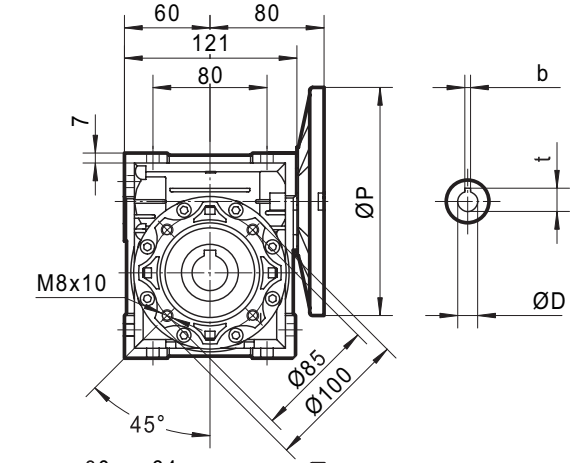
Output size		
Ø**D**1 H8	**b**1	**t**1
Ø18 Ø19*	6 6*	20.8 21.8*

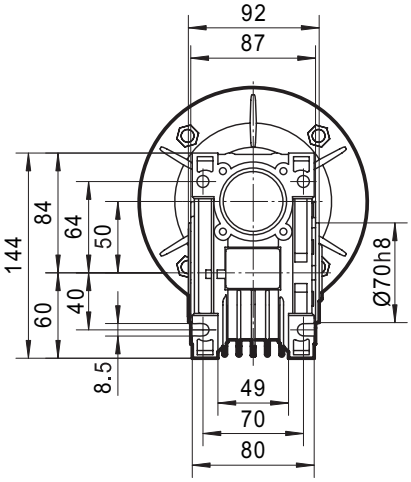
(*) Modelo no standard

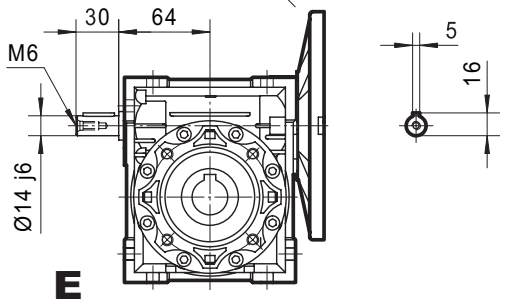


DIMENSIONES

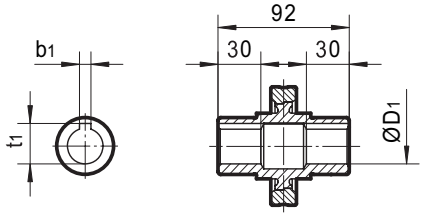
RSTV **050**

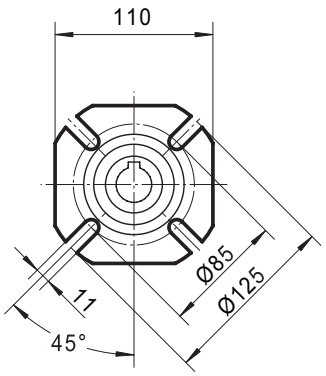


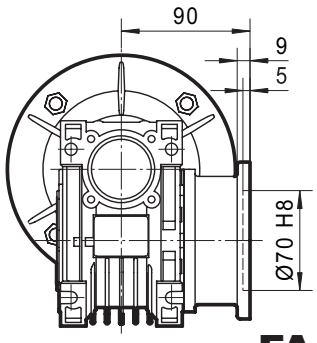




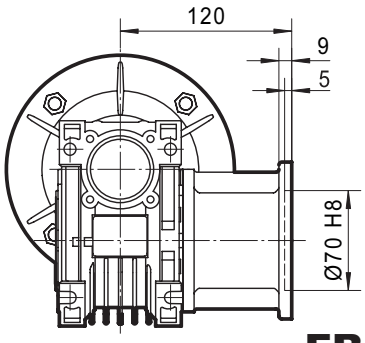
E



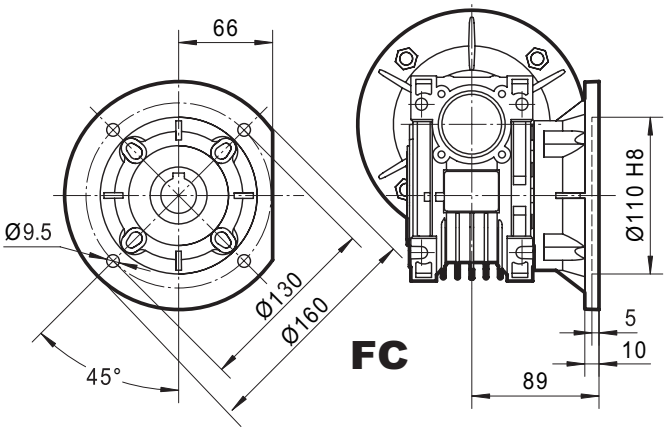




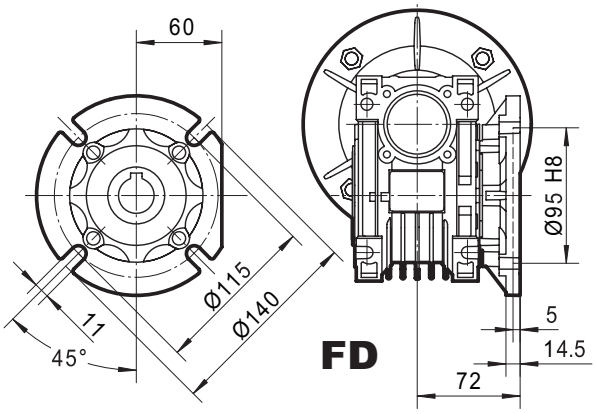
FA



FB



FC



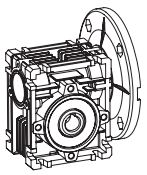
FD

PESO SIN MOTOR 3.5kg

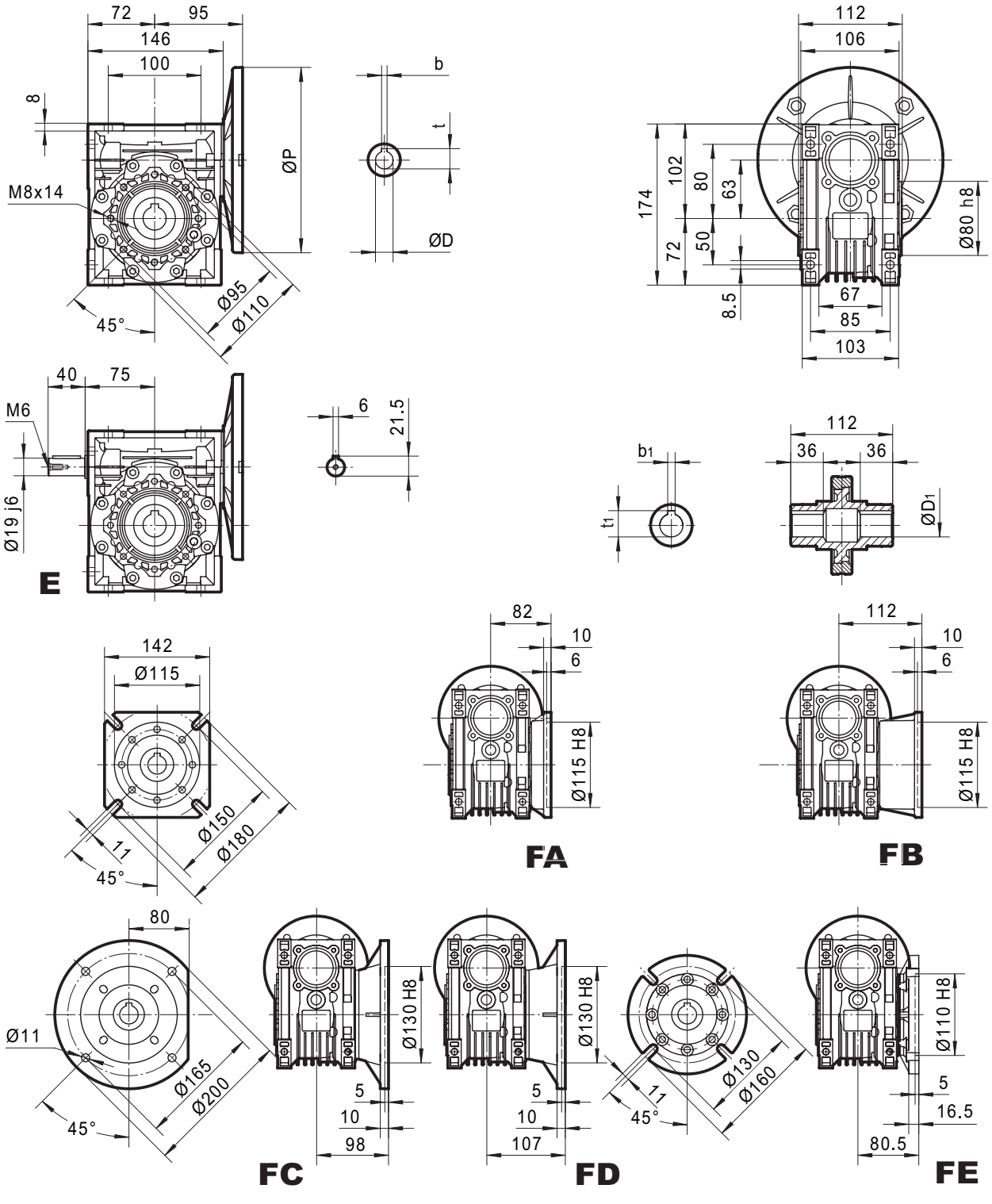
Para las dimensiones de acoplamiento cota (P, D, b, t) consultar tabla página (73 de su catalogo)

ØD1 H8	b1	t1
Ø25 Ø24*	8 8*	28.3 27.3*

(*) Modelo no standard



RSTV **063**

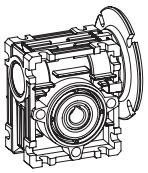


输出尺寸 Output size		
ØD1 H8	**b1**	**t1**
Ø25 Ø28*	8 8*	28.3 31.3*

(*) Modelo no standard

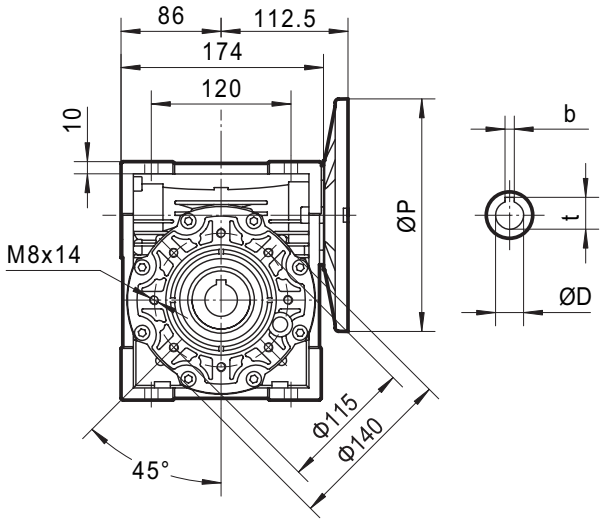
PESO SIN MOTOR 6.2kg

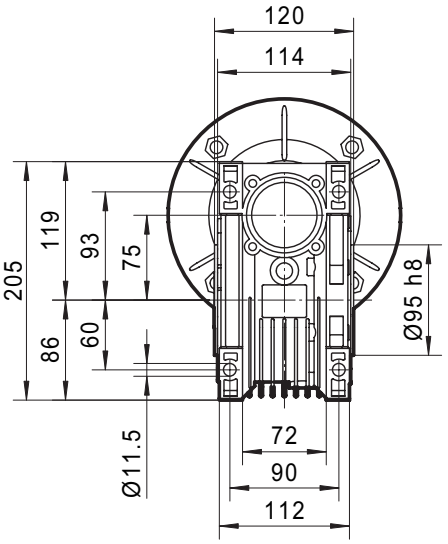
Para las dimensiones de acoplamiento cota (P, D, b, t) consultar tabla página (73 de su catalogo)

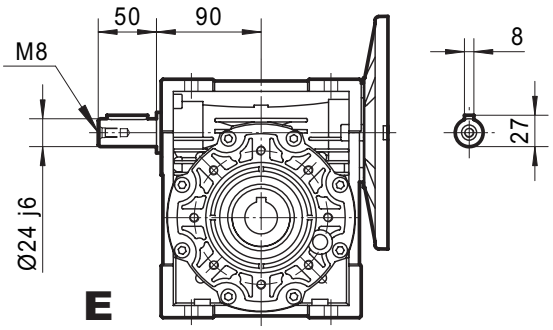


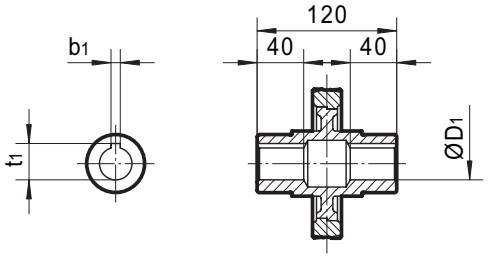
DIMENSIONES

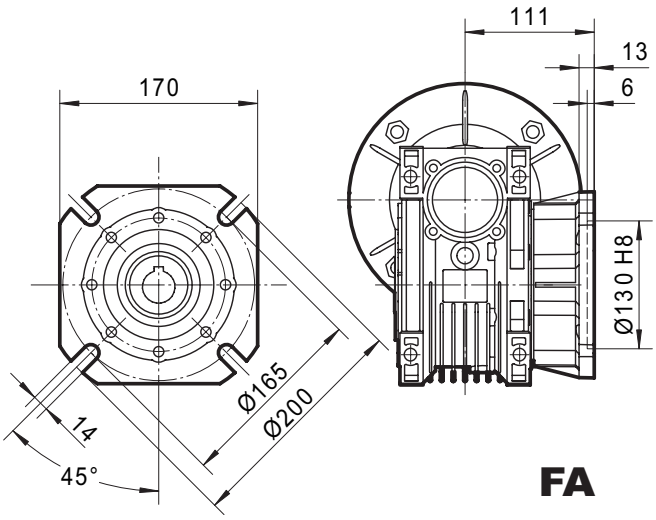
RSTV **075**

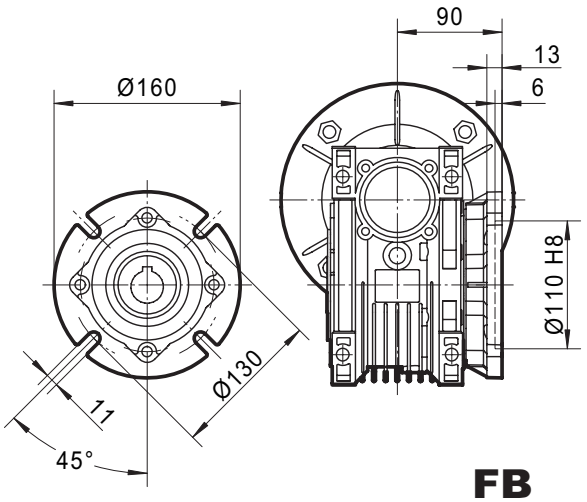










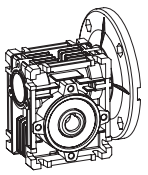


PESO SIN MOTOR 9kg

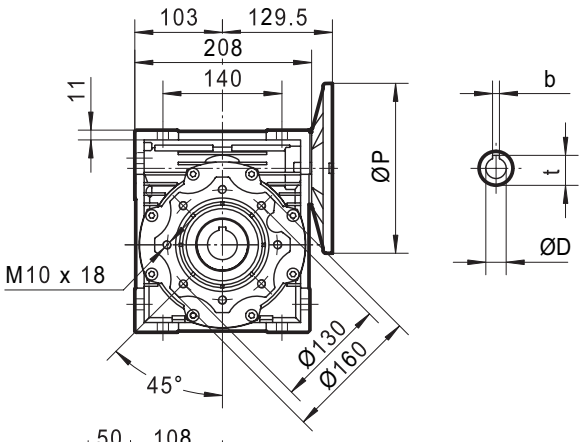
Para las dimensiones de acoplamiento cota (P, D, b, t) consultar tabla página (73 de su catalogo)

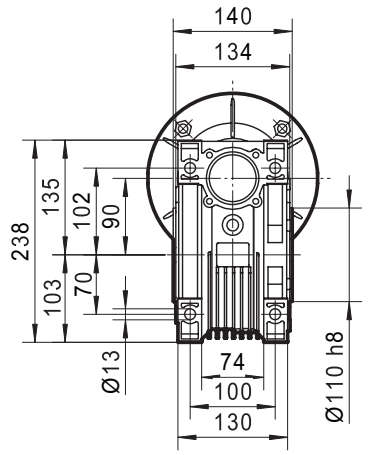
输出尺寸 Output size		
ØD1 H8	**b1**	**t1**
Ø28 Ø35 *	8 10*	31.3 38.3 *

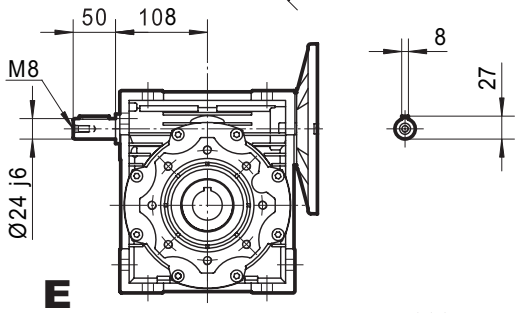
(*) Modelo no standard



RSTV **090**







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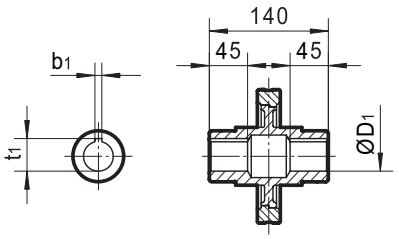

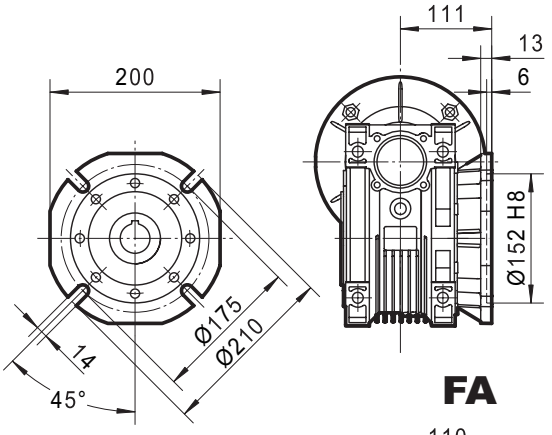

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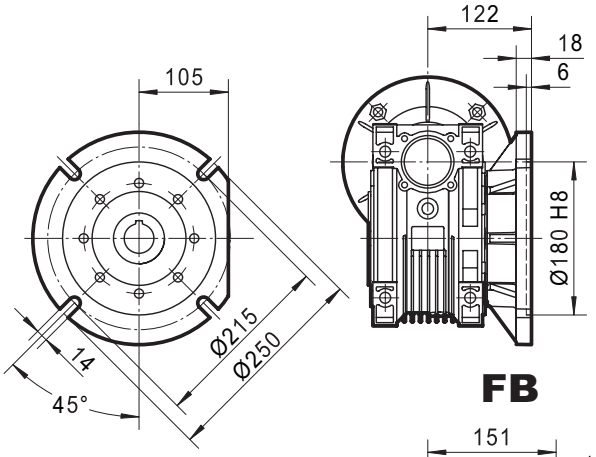
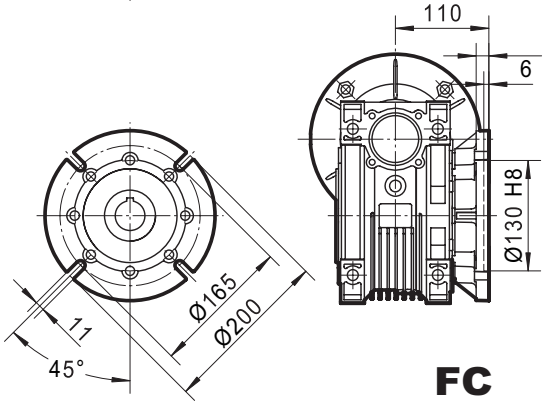
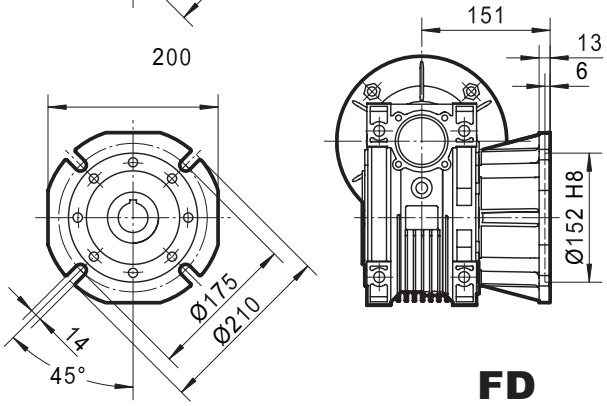


FB



FC



FD

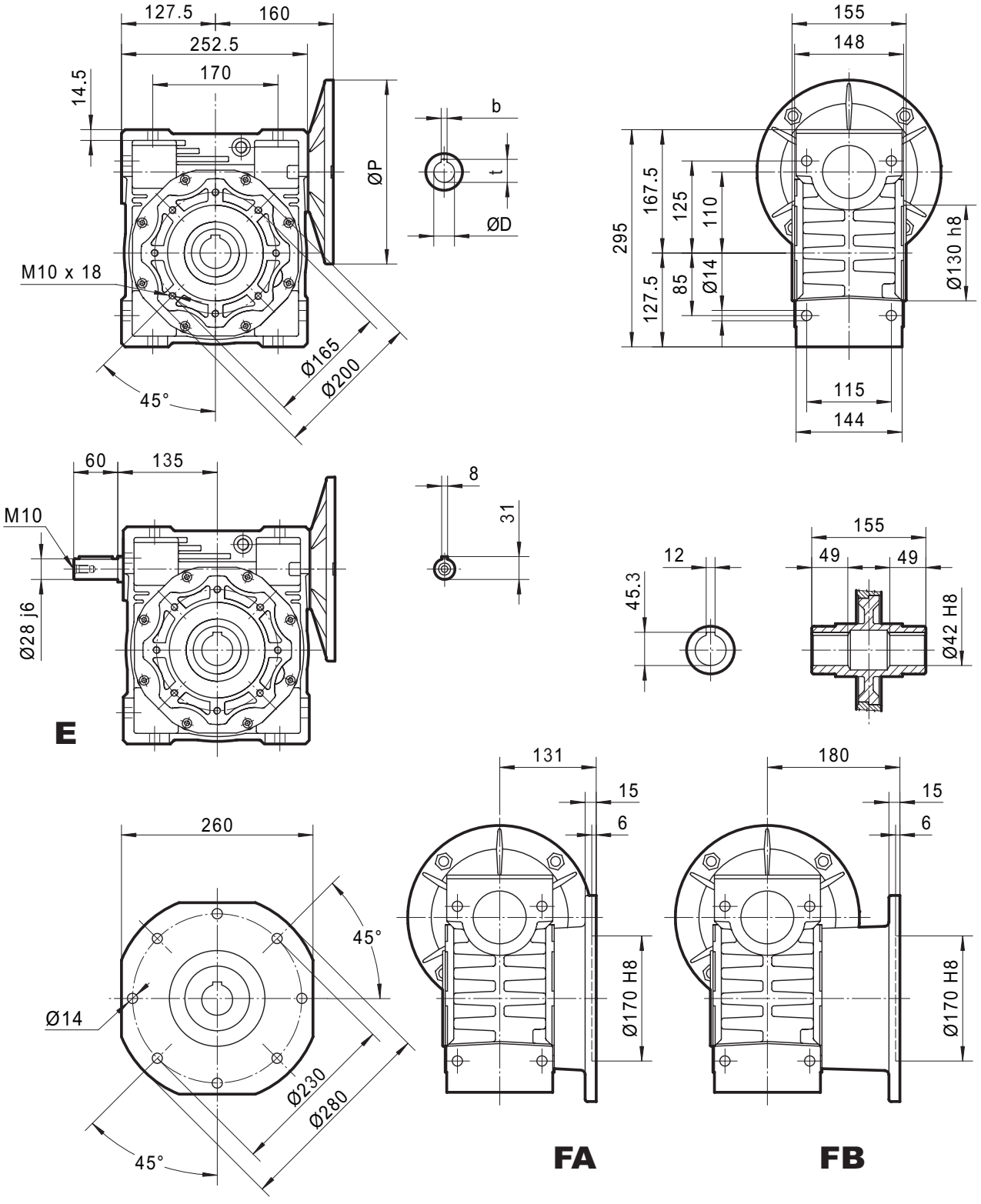
PESO SIN MOTOR 13kg

Para las dimensiones de acoplamiento cota (P, D, b, t) consultar tabla página (73 de su catalogo)

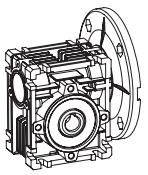
ØD1 H8	**b**1	**t**1
Ø35	10	38.3
Ø38*	10*	41.3*

(*) Modelo no standard

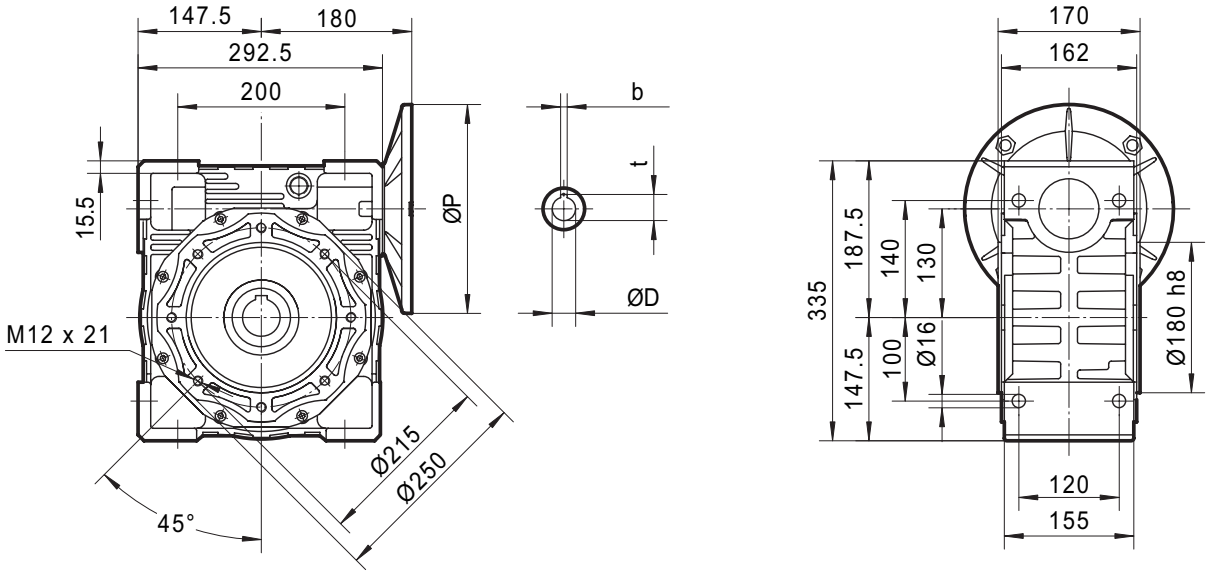
RSTV **110**

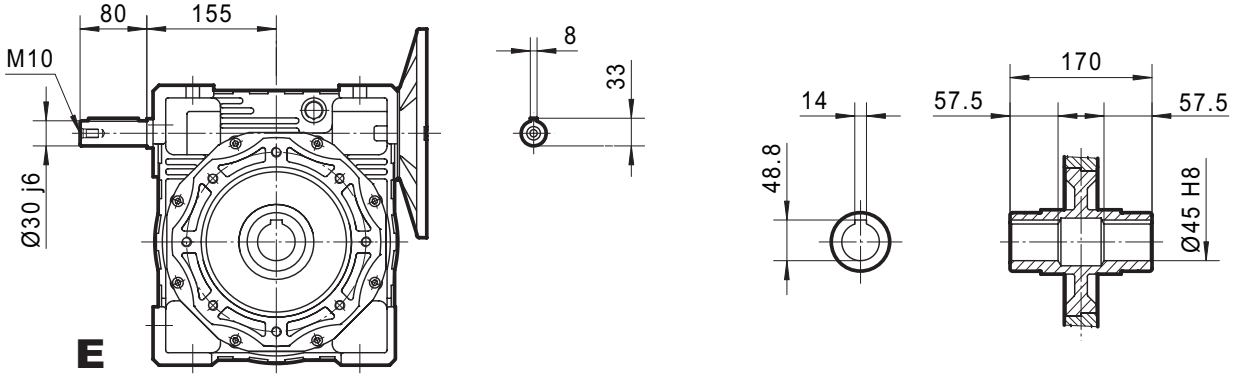


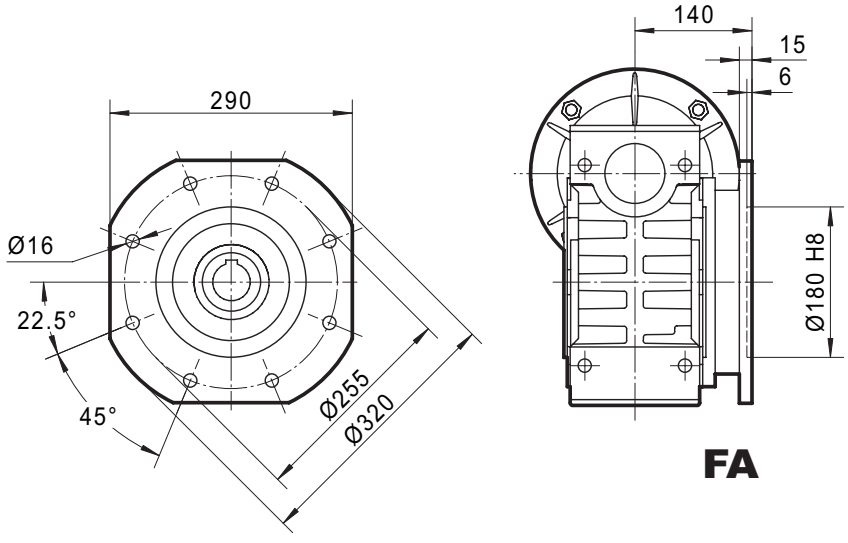
PESO SIN MOTOR 35kg
Para las dimensiones de acoplamiento cota (P, D, b, t)
consultar tabla página (73 de su catalogo)



RSTV **130**



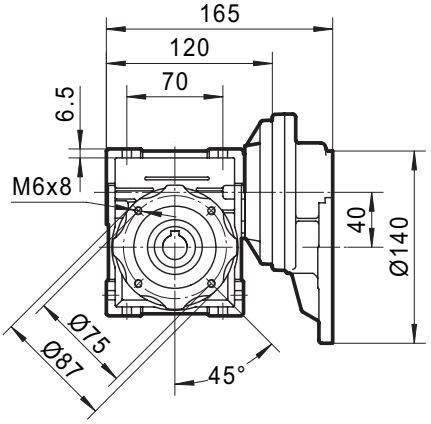


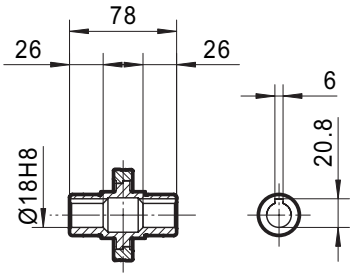


PESO SIN MOTOR 48kg

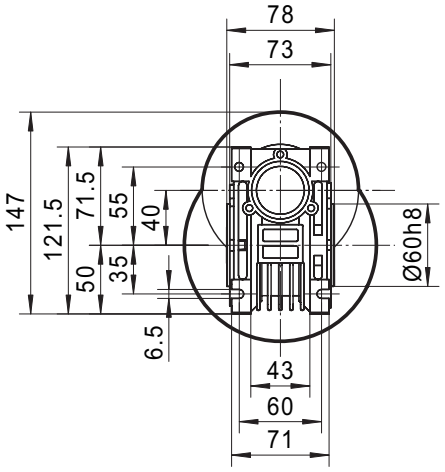
Para las dimensiones de acoplamiento cota (P, D, b, t)
consultar tabla página (73 de su catalogo)

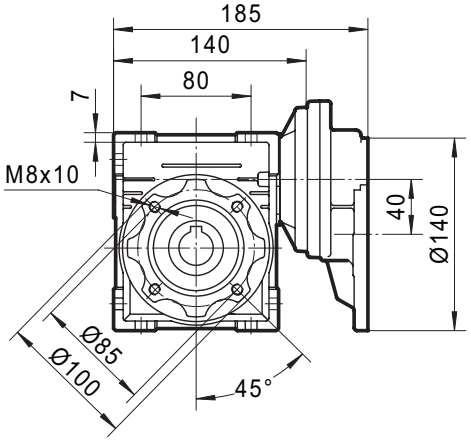
REDUCTOR CORONA Y SIN FIN MAS
PRE-REDUCCION (PC+RSTV)

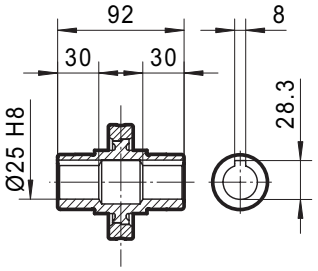




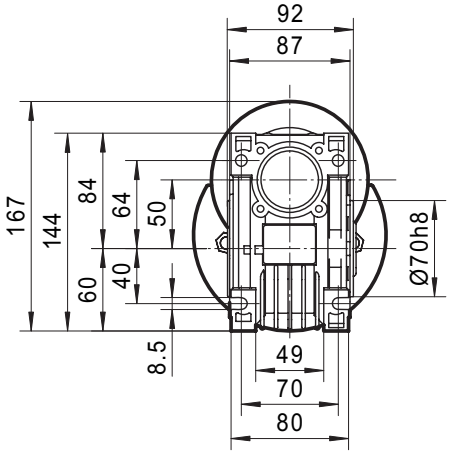
PC**063** + RSTV**040**

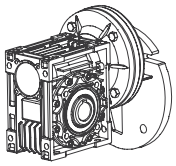




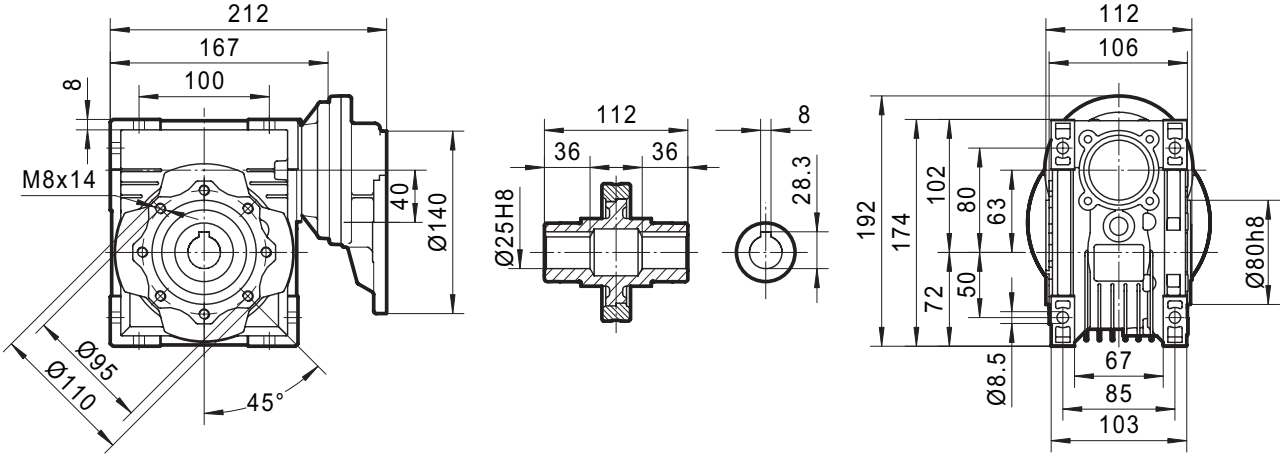


PC**063** + RSTV**050**

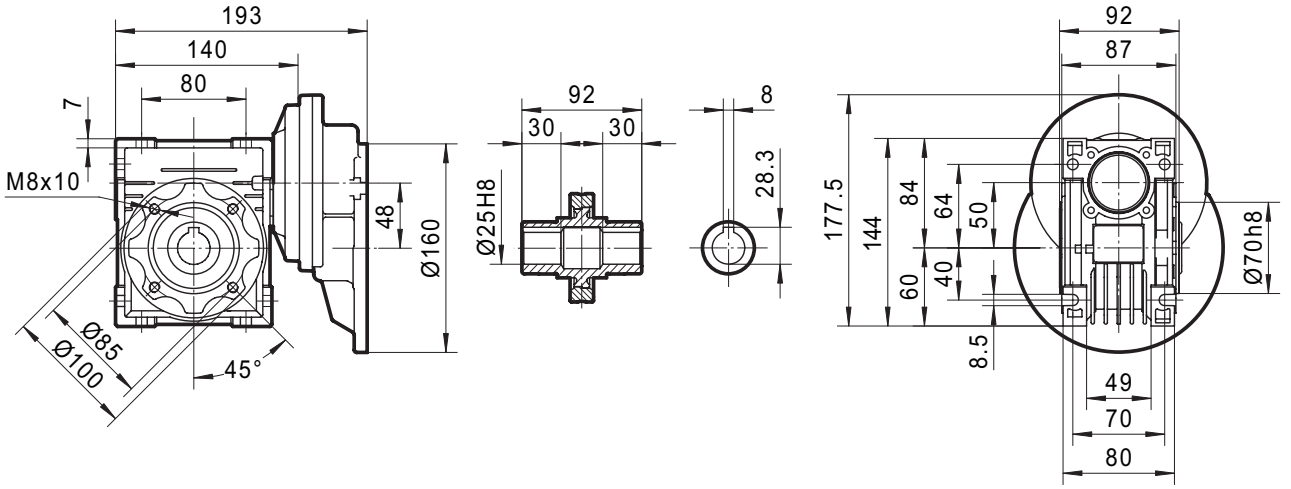




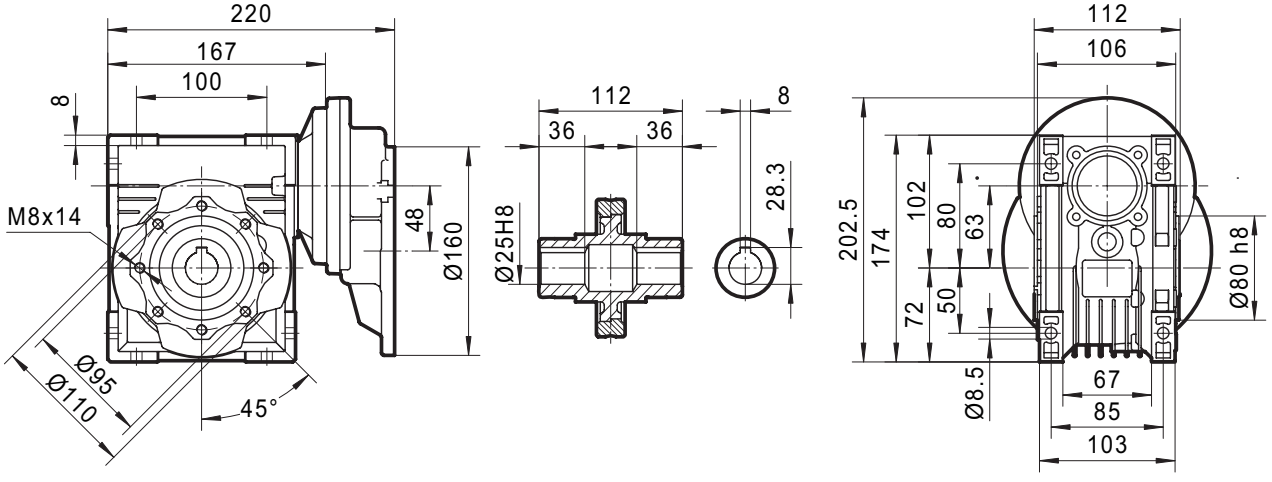
PC**063** + RSTV**063**



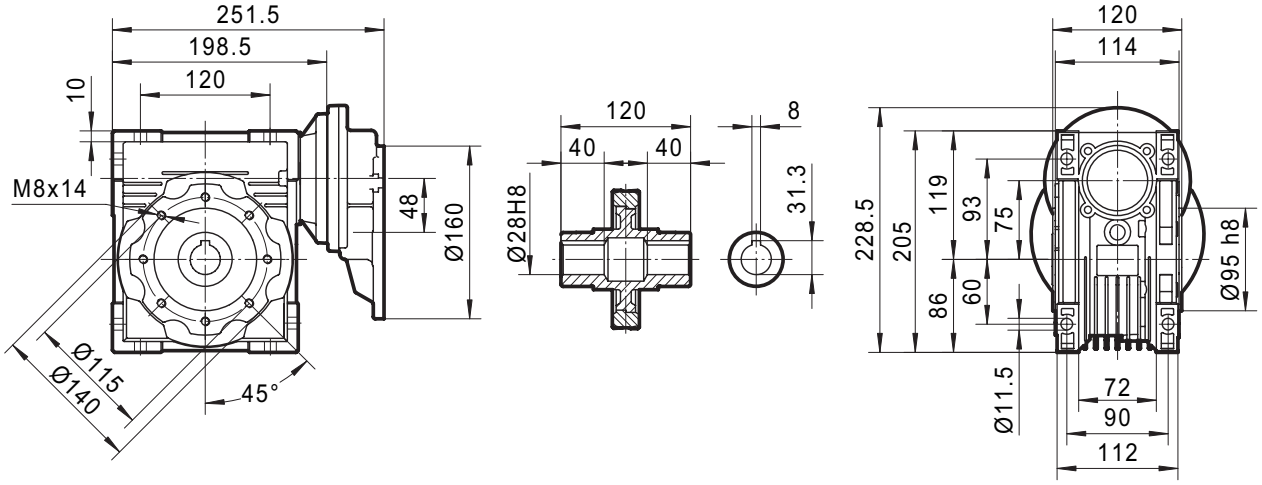
PC**071** + RSTV**050**



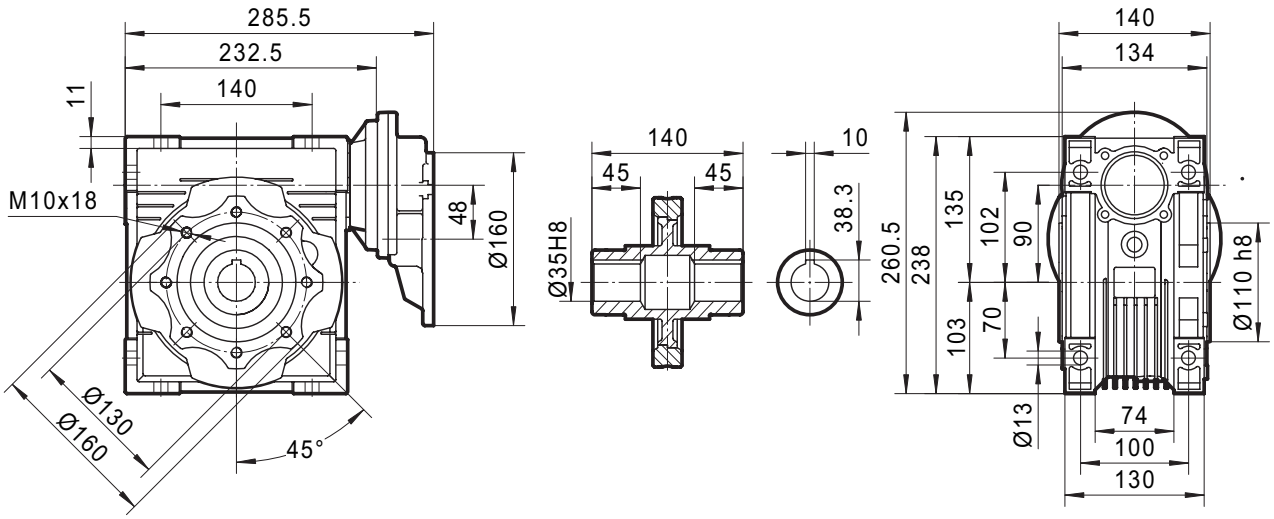
PC**071** + RSTV**063**



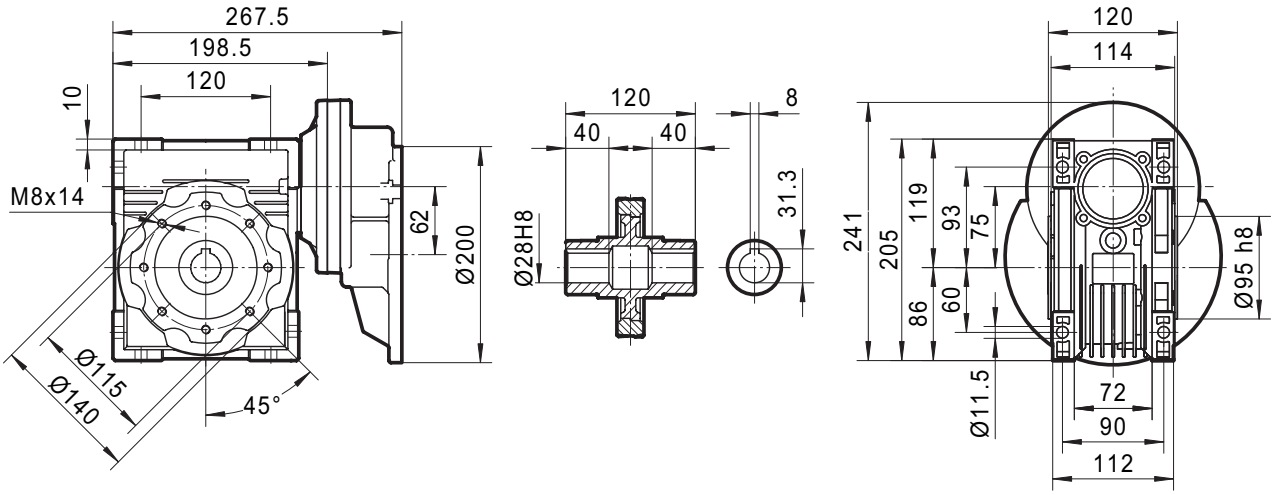
PC**071** + RSTV**075**

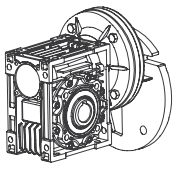


PC**071** + RSTV**090**

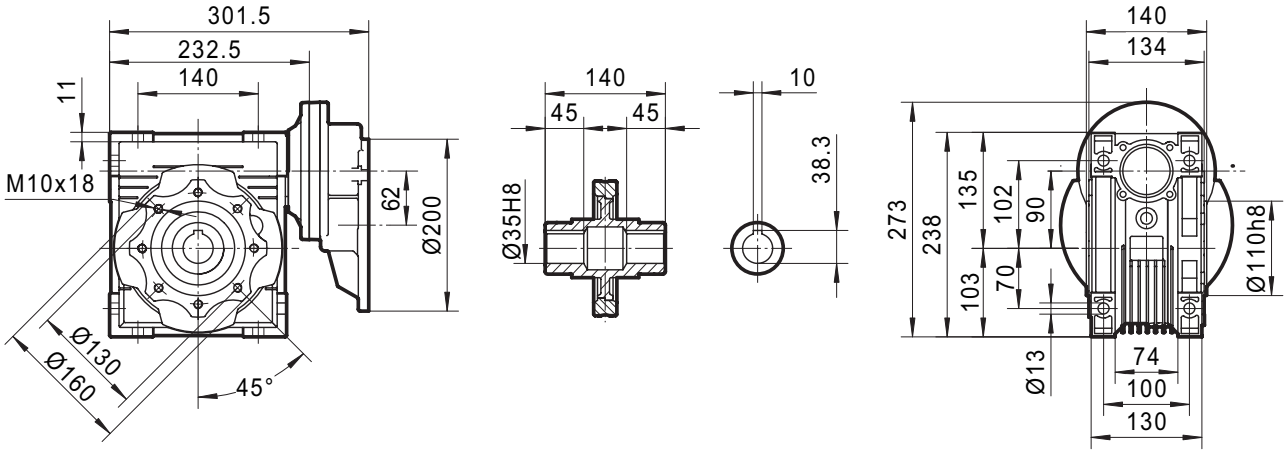


PC**080** + RSTV**075**

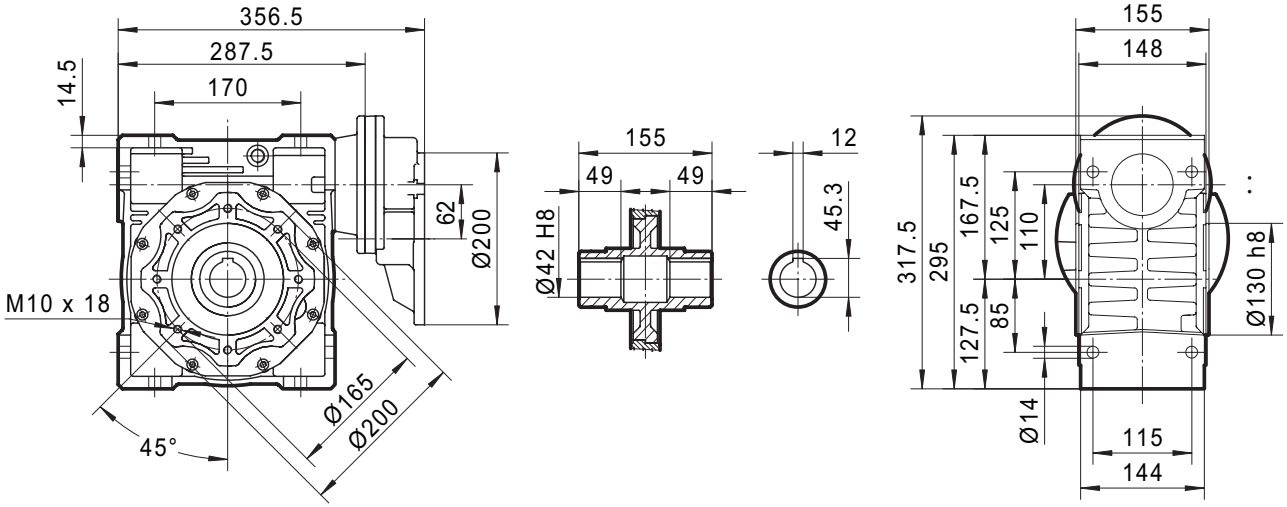




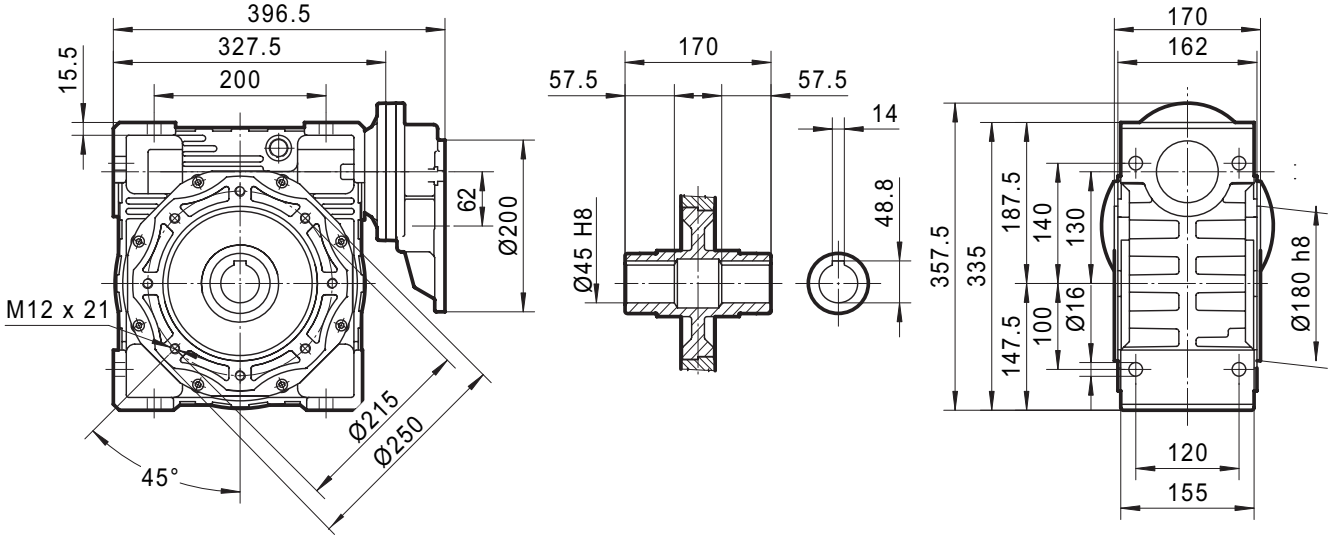
PC**080** + RSTV**090**



PC**080** + RSTV**110**
PC**090** + RSTV**110**

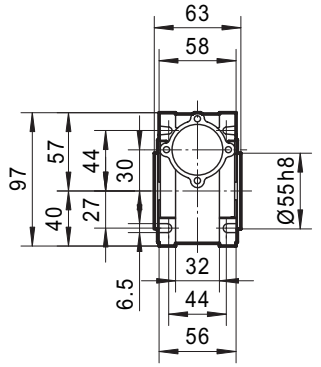


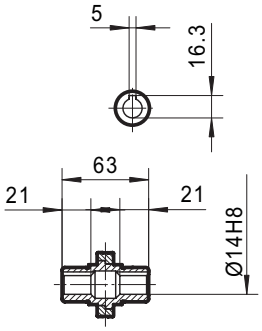
PC**080** + RSTV**130**
PC**090** + RSTV**130**

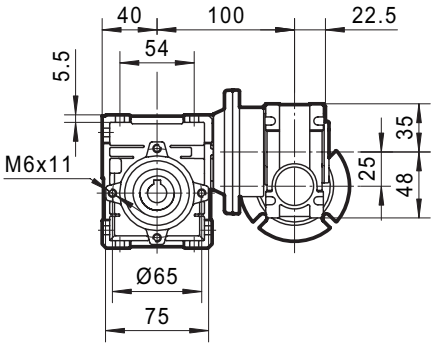


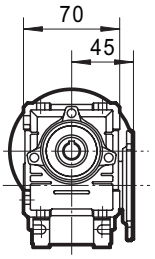
REDUCTORES CORONA Y SIN FIN COMBINADOS
RSTV-RSTV/ RSTIV-RSTV

RSTV **025 + 030**

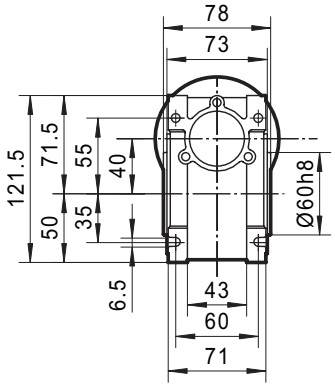


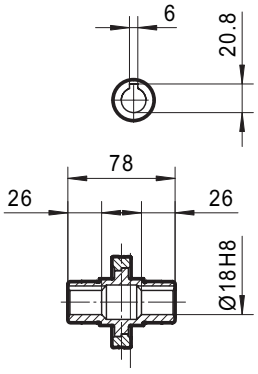


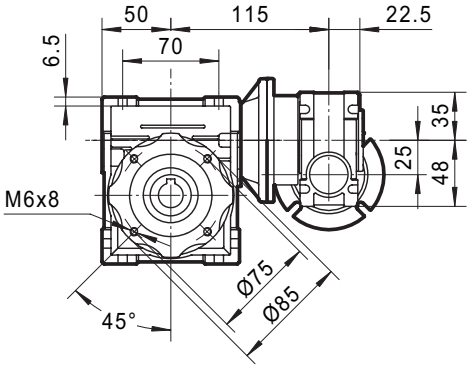


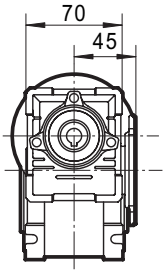


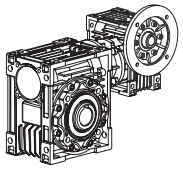
RSTV **025 + 040**



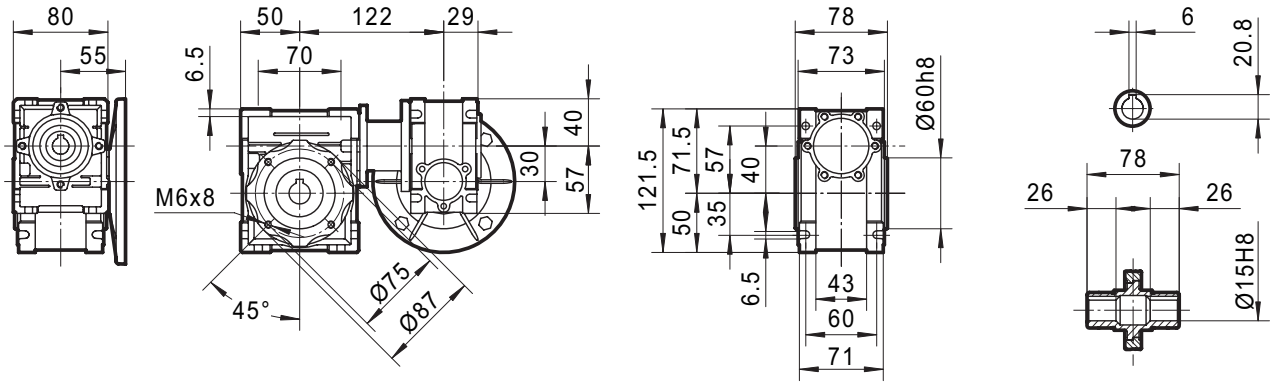




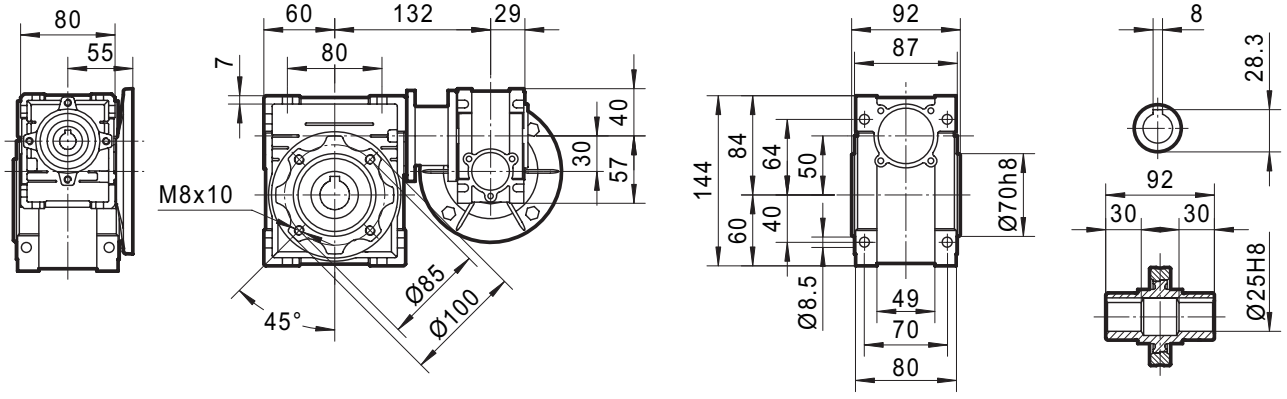




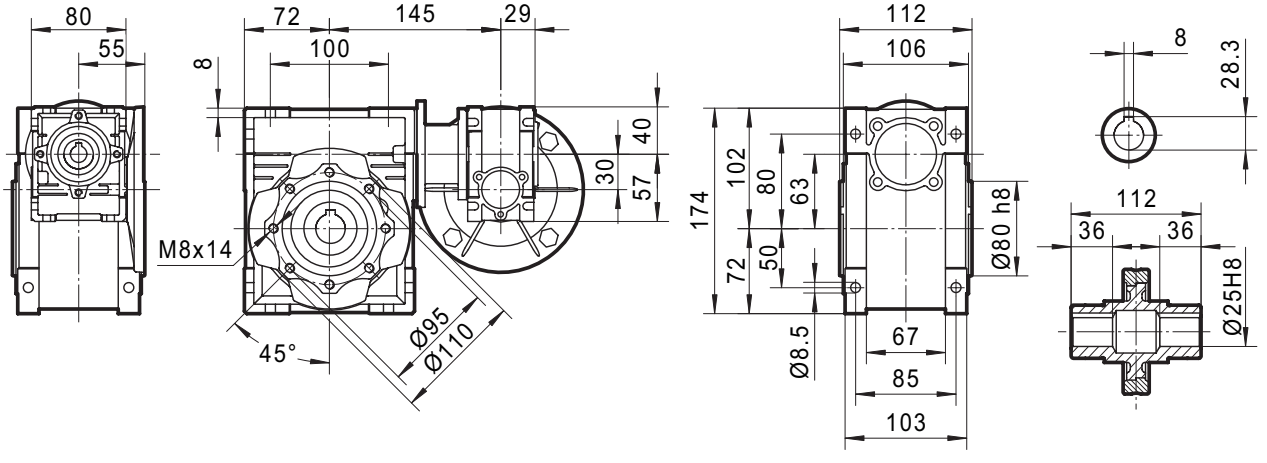
RSTV **030 + 040**

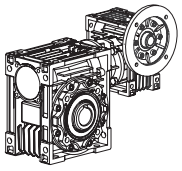


RSTV **030 + 050**

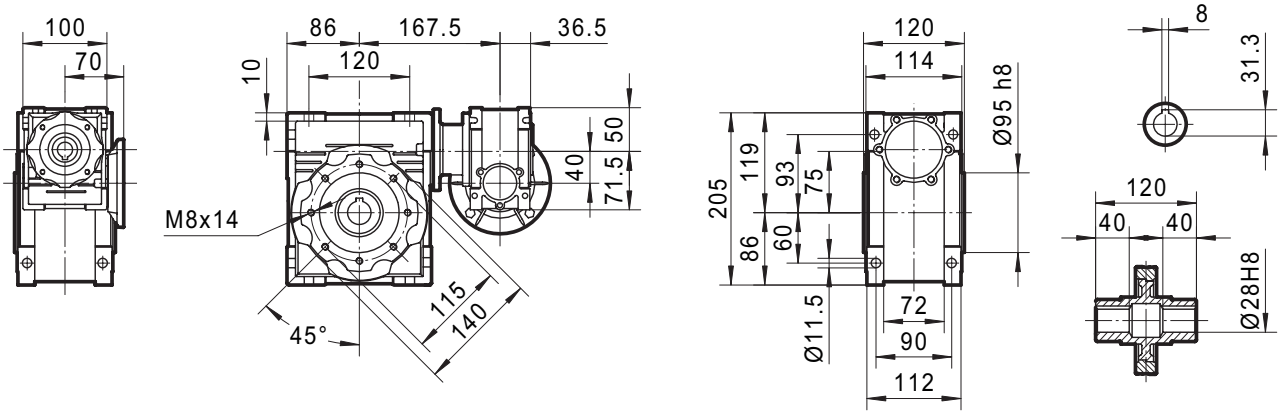


RSTV **030 + 063**

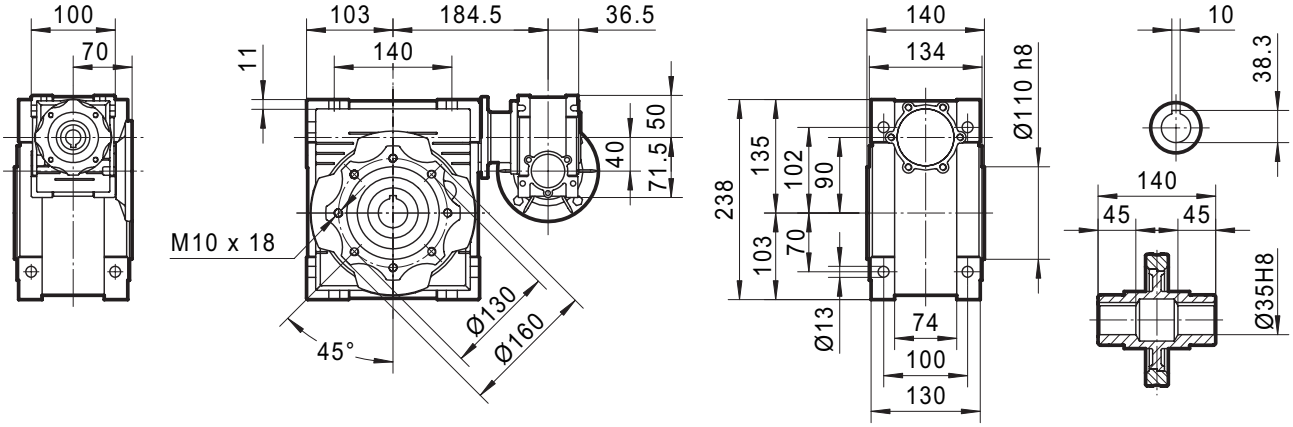




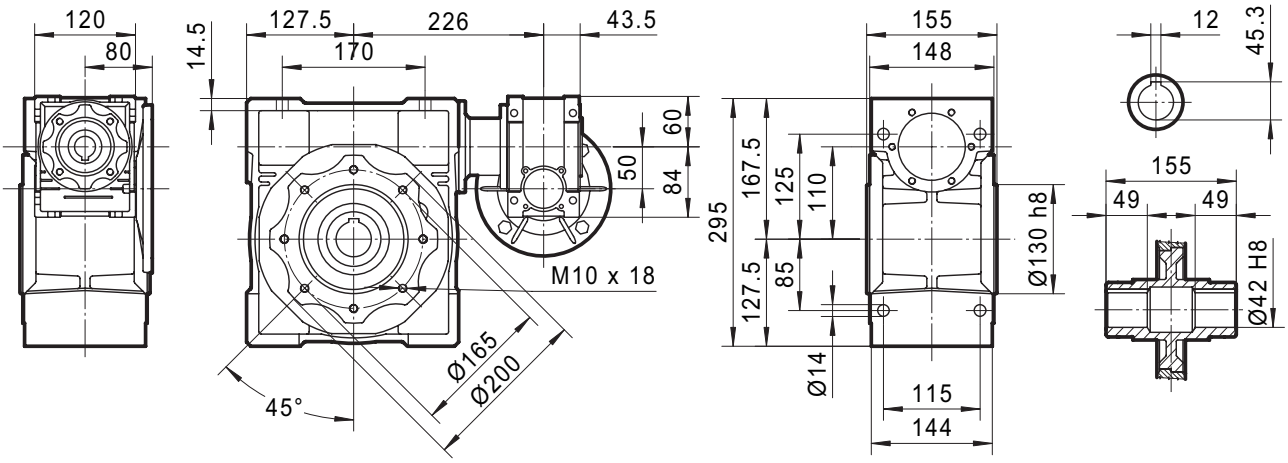
RSTV **040 + 075**

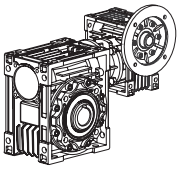


RSTV **040 + 090**

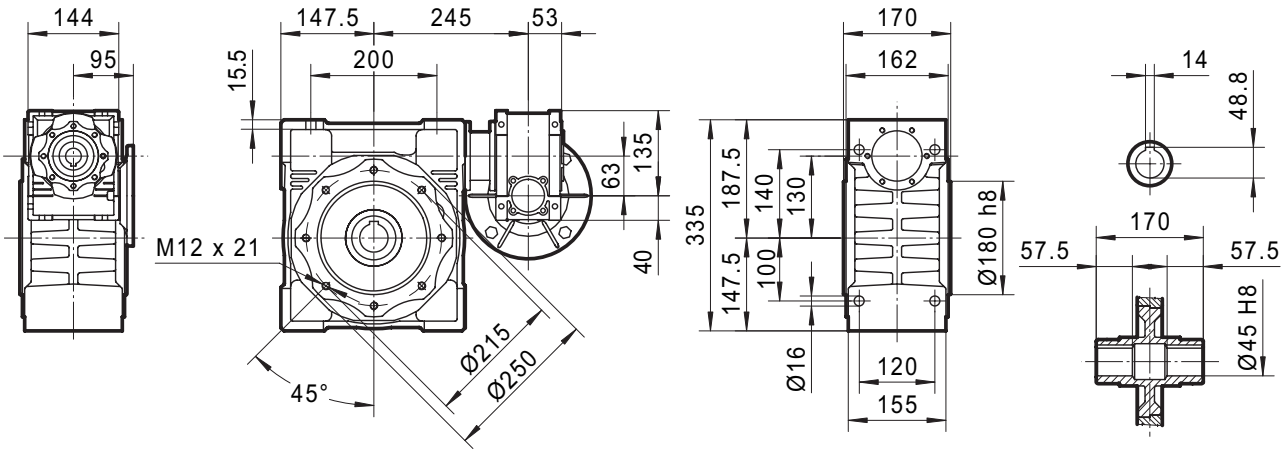


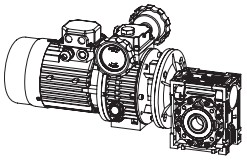
RSTV **050 + 110**





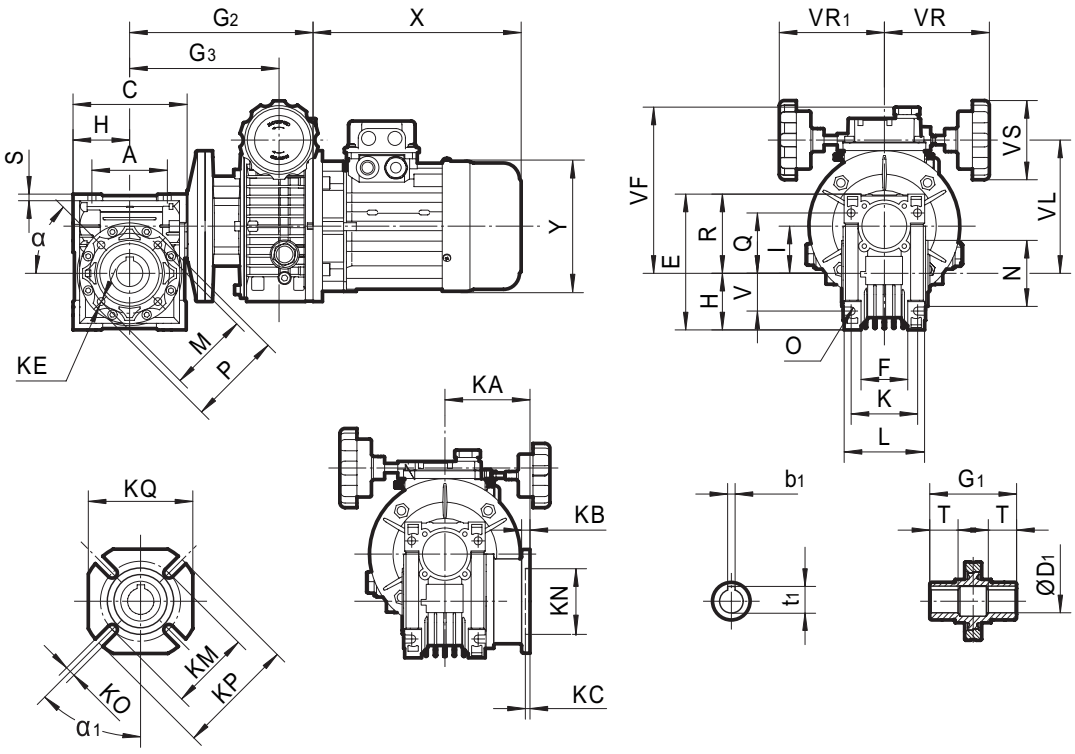
RSTV **063** + **130**


144
95
147.5
245
53
200
15.5
63
135
40
M12 x 21
45°
Ø215
Ø250
170
162
335
187.5
140
130
147.5
100
Ø16
120
155
Ø180 h8
14
48.8
170
57.5
57.5
Ø45 H8



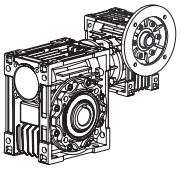
DIMENSIONES

Combinacion de reductor corona y sin hn mas variador



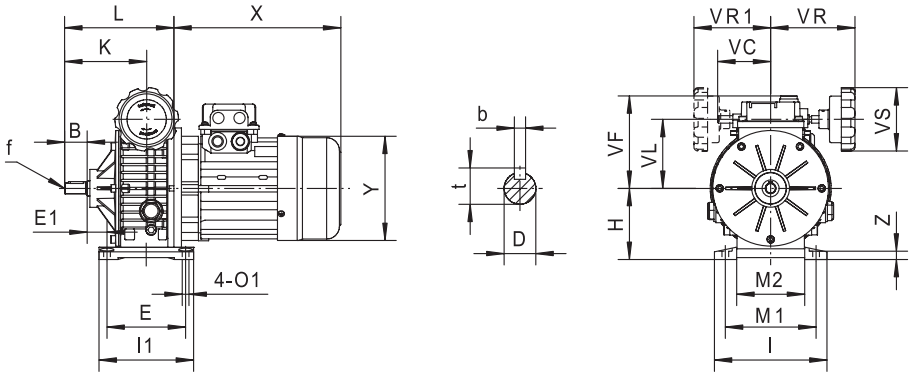
VTF-RSTV

型号 model	G2	G3	VF	VL	VS	VR	VR1	机座号 base No.	X	Y
VTF0.18 - 040	183	135	151	118	85	110	110	63	200	120
VTF0.18 - 050	193	145	161	128	85	110	110			
VTF0.37 - 050	190	154	173	140	85	110	110	71	227	141
VTF0.37 - 063	205	169	186	153	85	110	110			
VTF0.55 - 063	234	181	203	170	110	120	120	80	268	160
VTF0.75 - 063	234	181	203	170	110	120	120			
VTF0.37 - 075	223	187	198	165	85	110	110	71	227	141
VTF0.55 - 075	252	198	215	182	110	120	120	80	268	160
VTF0.75 - 075	252	198	215	182	110	120	120			
VTF-1 1.1 - 075	259.5	207.5	199	177	110	150	—	90S	265	195
VTF-1 1.5 - 075	300.5	227.5	219	197	110	150	—	90L	290	195
VTF0.55 - 090	269	215	230	197	110	120	120	80	268	160
VTF0.75 - 090	269	215	230	197	110	120	120			
VTF-1 1.1 - 090	276.5	224.5	214	192	110	150	—	90S	265	195
VTF-1 1.5 - 090	317.5	244.5	234	212	110	150	—	90L	290	195
VTF-1 1.1 - 110	307	255	234	212	110	120	—	90S	265	195
VTF-1 1.5 - 110	348	275	254	232	110	150	—	90L	290	195
VTF-1 2.2 - 110	368	291	298	260	110	160	—	100L	320	215
VTF-1 3 - 110	368	291	298	260	110	160	—			
VTF-1 4 - 110	368	291	298	260	110	160	—	112M	340	240
VTF-1 1.5 - 130	368	295	274	252	110	150	—	90L	290	195
VTF-1 2.2 - 130	388	311	318	280	110	160	—	100L	320	215
VTF-1 3.0 - 130	388	311	318	280	110	160	—			
VTF-1 4.0 - 130	388	311	318	280	110	160	—	112M	340	240



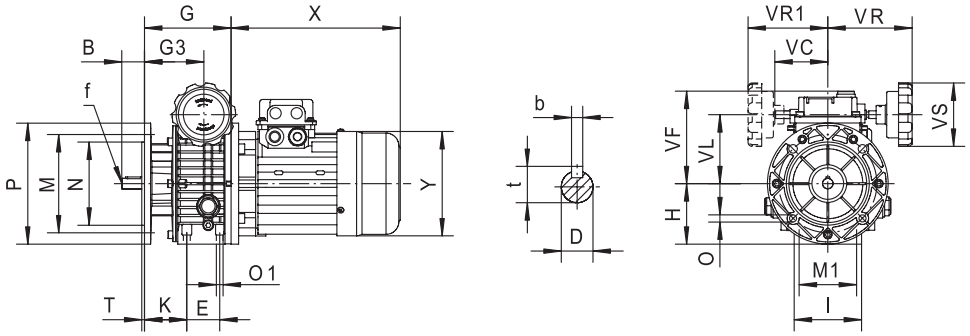
Combinacion de reductor corona y sin hn mas variador

B3 (Model)



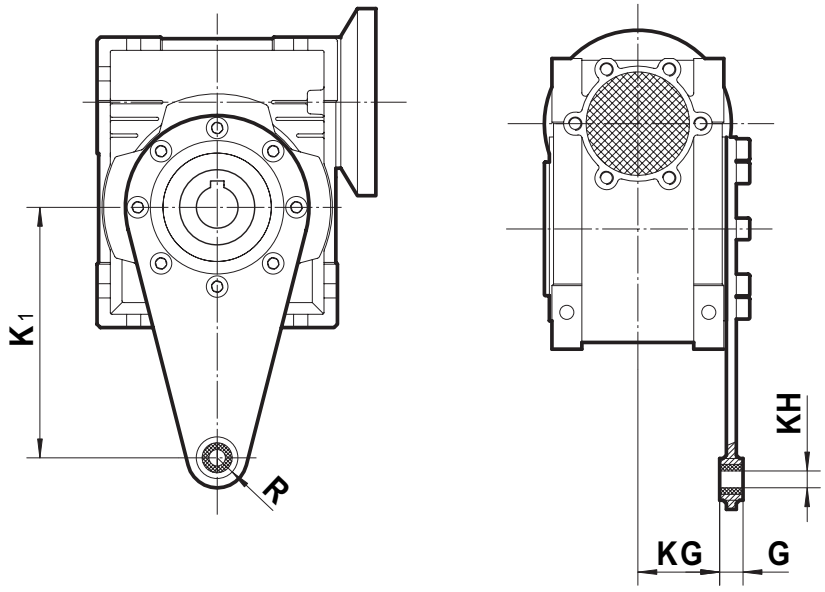
	B	D j6	E	E1	H	I	I1	K	L	M1	M2	O1	VC	VF	VL	VR	VR1	VS	b	f	t	X	Y	Z
VTF 0.18B3	23	11	105	18	80	145	120	88	136	110	71	9	71	111	78	110	110	85	4	-	12.5	200	120	10
VTF 0.37B3	30	14	104	20	93	149	125	104	140	120	96	9	71	123	90	110	110	85	5	M6	16	227	141	10
VTF 0.75B3	40	19	125	26	113	190	150	126	179	160	135	11	79	140	107	120	120	110	6	M6	21.5	268	160	15
VTF 1.5B3	50	24	115	54	123	241	150	165	238	190	143	13	-	144	122	150	-	110	8	M8	27	290	195	18
VTF 2.2B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	320	215	25
VTF 3.0B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	320	215	25
VTF 4.0B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	340	240	25

B5 (Model)

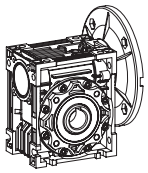


	B	D j6	E	G	G3	H	I	M	M1	N	D	D1	P	T	K	VC	VF	VL	VR	VR1	VS	b	f	t	X	Y
VTF 0.18B5	23	11	50	113	64.5	70	72	115	60	95	9	M6	140	3.5	46	71	111	78	110	110	85	4	-	13	200	120
VTF 0.37B5	30	14	40	110	74	80	90	130	77	110	9	M8	160	3.5	53	71	123	90	100	110	85	5	M6	16	227	141
VTF 0.75B5	40	19	58	139	85.5	100	98	165	84	130	11	M8	200	3.5	60	79	140	107	120	120	110	6	M6	22	268	160
VTF 1.5B5	50	24	-	188	115	126	241	165	-	130	11	-	200	3.5	-	-	144	122	150	-	110	8	M8	27	290	195
VTF 2.2B5	60	28	-	208	131	150	270	165	-	230	15	-	250	4	-	-	188	150	160	-	100	8	M8	33	320	215
VTF 3.0B5	60	28	-	208	131	150	270	265	-	230	15	-	250	4	-	-	188	150	160	-	100	8	M8	33	320	215
VTF 4.0B5	60	28	-	208	131	150	270	265	-	230	15	-	250	4	-	-	188	150	160	-	110	8	M8	33	340	240

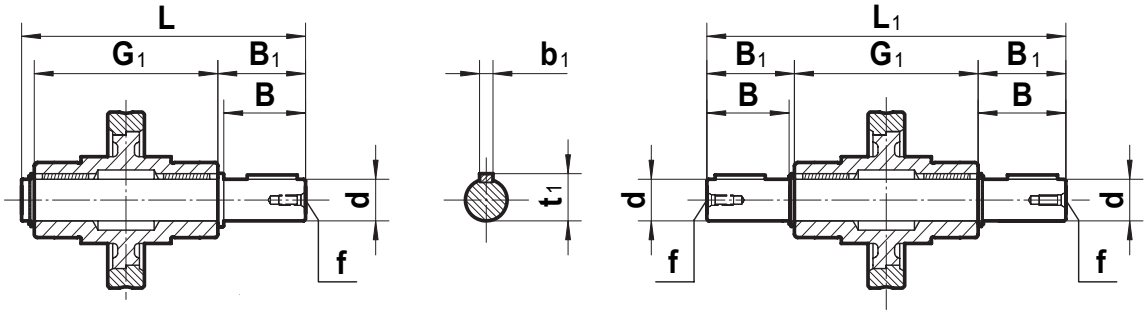
BRAZO DE REACCION



	K_1	G	KG	KH	R
025	70	14	17.5	8	15
030	85	14	24	8	15
040	100	14	31.5	10	18
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35
130	250	30	69	25	35



EJES DE SALIDA

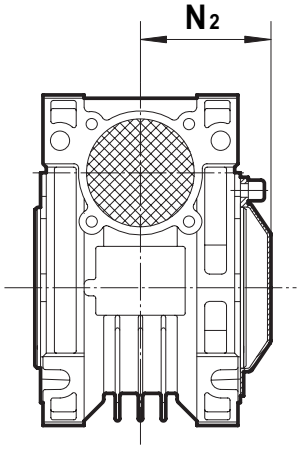


AS **AB**

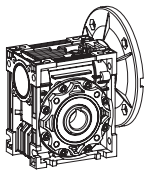
	d	B	B1	G1	L	L1	f	b1	t1
025	11 g6 9 *	23 25 *	25.5 30 *	50	81 85.5 *	101	—	4 3 *	12.5 10.2 *
030	14 h6	30	32.5	63	102	128	M6	5	16
040	18 h6	40	43	78	128	164	M6	6	20.5
050	25 h6	50	53.5	92	153	199	M10	8	28
063	25 h6	50	53.5	112	173	219	M10	8	28
075	28 h6	60	63.5	120	192	247	M10	8	31
090	35 h6	80	84.5	140	234	309	M12	10	38
110	42 h6	80	84.5	155	249	324	M16	12	45
130	45 h6	80	85	170	265	340	M16	14	48.5

(*) Modelo no standard

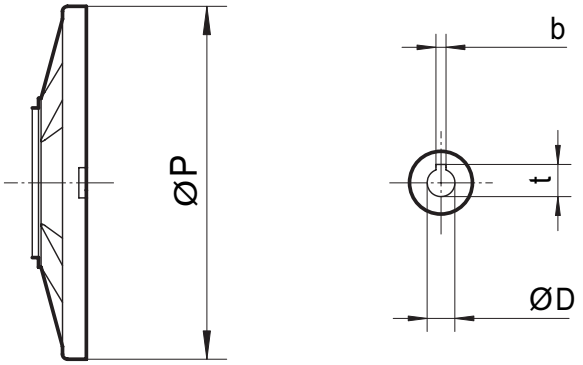
TAPA



	N2
030	47
040	55
050	62.5
063	73.5
075	78.5
090	90.5
110	99
130	107



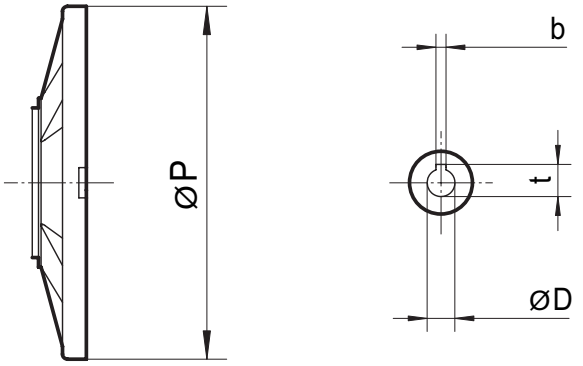
BRIDA PAM B5



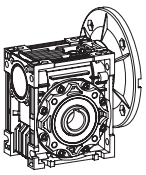
B5	IEC							
	056	063	071	080	090	100	112	132
ØP	Ø120	Ø140	Ø160	Ø200	Ø200	Ø250	Ø250	Ø300
ØD	Ø9 E8	Ø11 E8	Ø14 E8	Ø19 E8	Ø24 E8	Ø28 E8	Ø28 E8	Ø38 E8
b	3	4	5	6	8	8	8	10
t	10.4	12.8	16.3	21.8	27.3	31.3	31.3	41.3

RSTV (110 、 130) t = 40.3 (IEC 132)

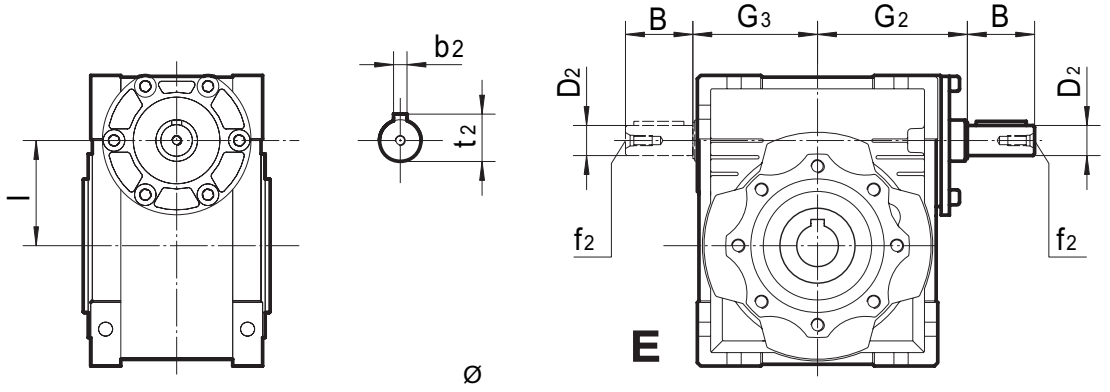
BRIDA PAM B14



B14	IEC						
	056	063	071	080	090	100	112
ØP	Ø80	Ø90	Ø105	Ø120	Ø140	Ø160	Ø160
ØD	Ø9 E8	Ø11 E8	Ø14 E8	Ø19 E8	Ø24 E8	Ø28 E8	Ø28 E8
b	3	4	5	6	8	8	8
t	10.4	12.8	16.3	21.8	27.3	31.3	31.3

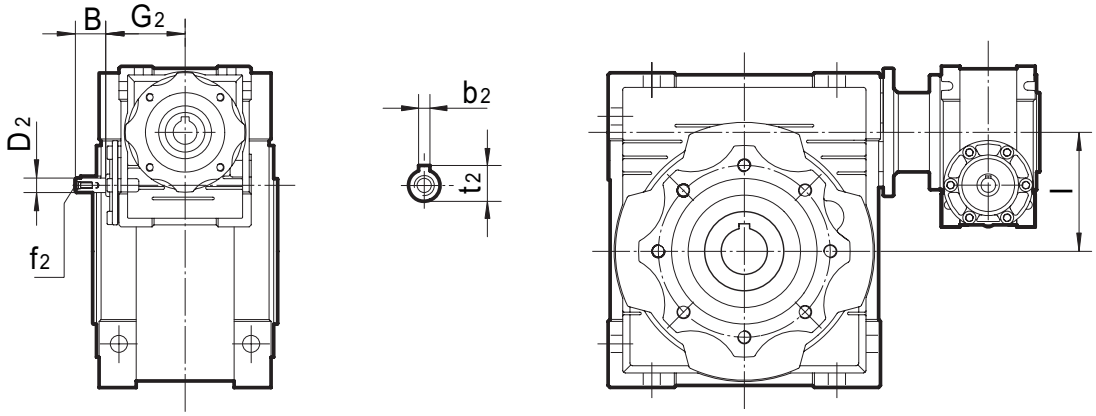


REDUCTORES CORONA Y SIN FIN (RSTIV)



RSTV	30	40	50	63	75	90	110	130
B	20	23	30	40	50	50	60	80
D_2	Ø9 j6	Ø11 j6	Ø14 j6	Ø19 j6	Ø24 j6	Ø24 j6	Ø28 j6	Ø30 j6
G_2	51	60	74	90	105	125	142	162
G_3	45	53	64	75	90	108	135	155
l	30	40	50	63	75	90	110	130
b_2	3	4	5	6	8	8	8	8
f_2	-	-	M6	M6	M8	M8	M10	M10
t_2	10.2	12.5	16	21.5	27	27	31	33

REDUCTORES CORONA Y SIN FIN COMBINADOS



RSTV-RSTIV	030-040	030-050	030-063	040-075	040-090	050-110	063-130
B	20	20	20	23	23	30	40
D_2	Ø9 j6	Ø9 j6	Ø9 j6	Ø11 j6	Ø11 j6	Ø14 j6	Ø19 j6
G_2	51	51	51	60	60	74	90
l	10	20	33	35	50	60	67
b_2	3	3	3	4	4	5	6
f_2	-	-	-	-	-	M6	M6
t_2	10.2	10.2	10.2	12.5	12.5	16	21.5