



REDUCTORES Y MOTORREDUCTORES DE TORNILLO SIN FIN COMBINADOS

COMBINED WORM GEARBOXES

REDUCTEURS ET MOTOREDUCTEURS A ROUE ET VIS SANS FIN COMBINES

Página/Page/Page

Información general	<i>General information</i>	Informations générales	51
Versión	<i>Version</i>	Version	52
Formas constructivas	<i>Design</i>	Forme de construction	52
Posiciones de montaje	<i>Mounting positions</i>	Position de montage	54
Prestaciones de los reductores	<i>Performance</i>	Performances du réducteur	55
Posibles predisposiciones	<i>Possible set-ups</i>	Possibilités de montage	56
Prestaciones de los motorreductores	<i>Performance of motor reduction gear</i>	Performances du motoréducteur	57

S ➤ 59

SERIE / SERIES / SERIE

Simbología y nomenclatura	<i>Symbols and designation</i>	Symboles et désignation	59
Dimensiones serie s	<i>Dimensions of S Series</i>	Dimensions Série S	60
Eje hueco	<i>Hollow shaft</i>	Arbre creux	62
Lista de repuestos	<i>Spare parts list</i>	Liste des pièces détachées	62
Accesorios	<i>Accessories</i>	Accessoires	26

B ➤ 63

SERIE / SERIES / SERIE

Simbología y nomenclatura	<i>Symbols and designation</i>	Symboles et désignation	63
Dimensiones serie s	<i>Dimensions of S Series</i>	Dimensions Série B	64
Eje hueco	<i>Hollow shaft</i>	Arbre creux	66
Lista de repuestos	<i>Spare parts list</i>	Liste des pièces détachées	66
Accesorios	<i>Accessories</i>	Accessoires	34

8.1 INFORMACIÓN GENERAL

La combinación de dos reductores de tornillo sin fin comporta un rendimiento muy bajo. La elevada velocidad de reducción, obtenida en un espacio muy limitado, los convierten en una opción muy interesante, y a veces indispensable, para un gran número de aplicaciones.

Entre la gran variedad de opciones en tamaño y relaciones, hemos escogido las mas interesantes en cuanto a rendimiento y relación.

Para facilitar las indicaciones de cómo deben ser montados dichos reductores, hemos expuesto todas las combinaciones posibles.

Es importante conocer que las versiones del reductor de salida y el tipo de brida de ataque del motor en el reductor de entrada pueden, algunas veces, provocar interferencias, por lo que no todas las combinaciones son posibles.

8.1 GENERAL INFORMATION

Using two combined worm screw reduction gears provides very low efficiency; however, their ability to provide high-ratio speed reduction in limited space makes them an interesting - and at times indispensable - solution for a number of applications.

Among the complex variety of size and ratio combinations, we have selected and highlighted the most interesting combinations in terms of speed and performance.

All possible combinations are shown to facilitate understanding of how to assemble the two reduction gears. Please note that not all combinations are feasible, as the face design of the reduction gear at the output end and the motor coupling flange of the reduction gear at the input end may sometimes cause interference.

L'utilisation combinée de deux réducteurs à roue et vis sans fin n'offre qu'un très bas rendement. Cependant leur capacité à obtenir un grand rapport de réduction dans un encombrement limité fait de ces réducteurs une solution intéressante (et parfois indispensable) pour un grand nombre d'applications.

Parmi la grande diversité de tailles et de rapports de réduction, nous avons ainsi sélectionné et mis en avant les meilleures combinaisons en termes de vitesse et de performance.

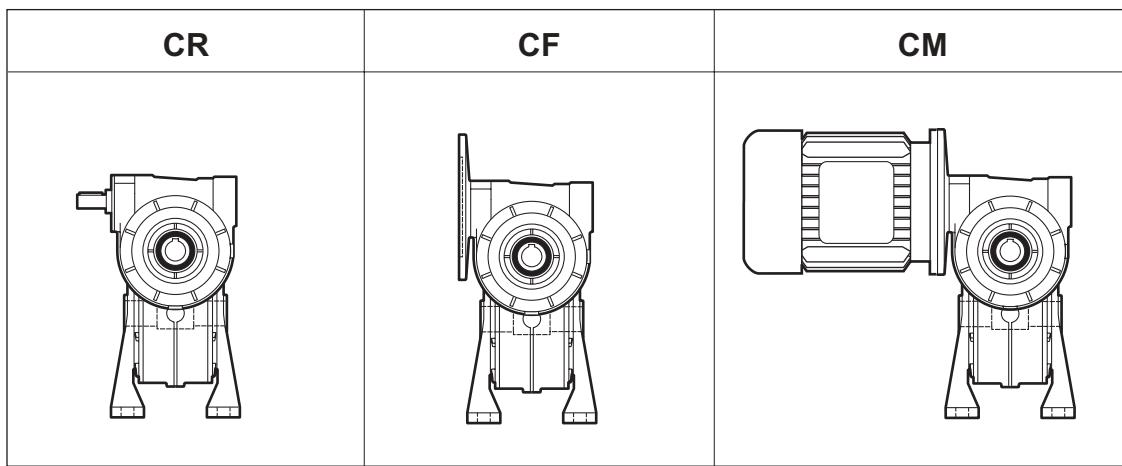
Toutes les combinaisons sont indiquées afin de faciliter la compréhension de l'assemblage des deux réducteurs entre eux. Il convient de noter que toutes les combinaisons ne sont pas possibles car la bride de sortie du réducteur et la bride de fixation du moteur peuvent être incompatibles.

8.1 INFORMATIONS GENERALES

8.2 VERSIÓN

8.2 VERSION

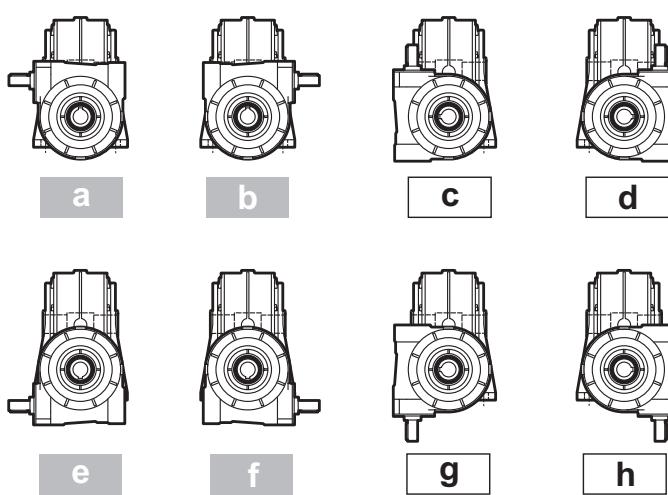
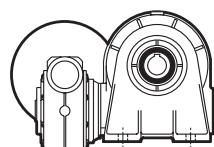
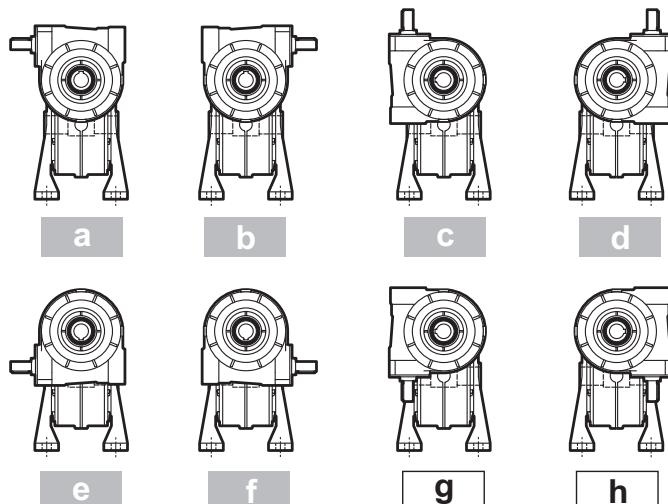
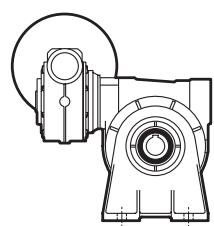
8.2 VERSION



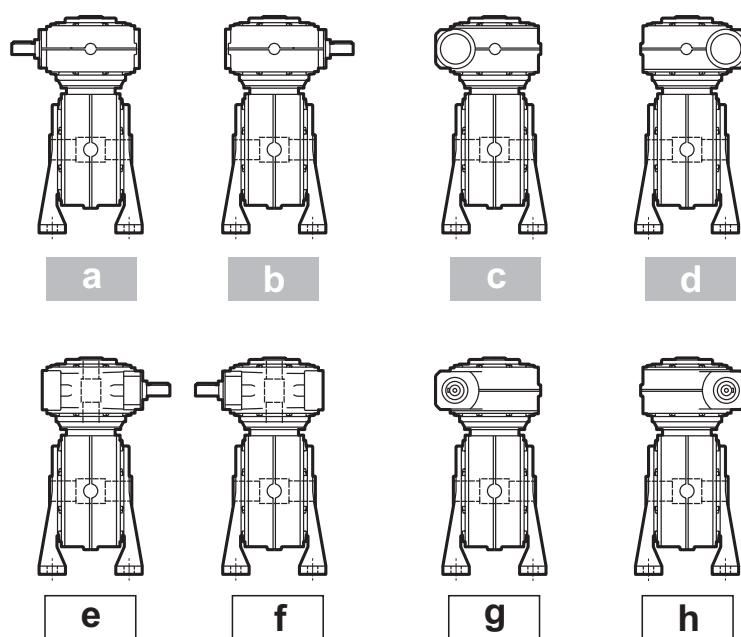
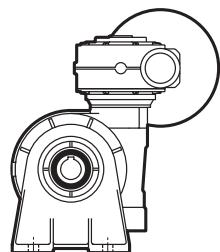
8.3 FORMAS CONSTRUCTIVAS

8.3 VERSIONS

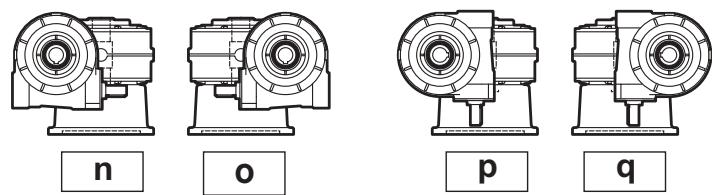
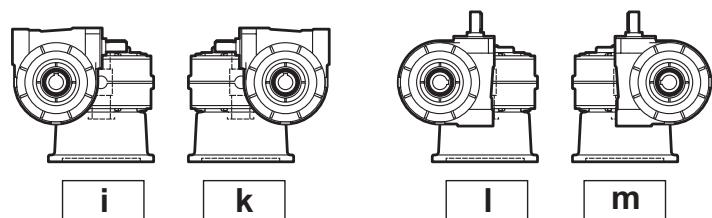
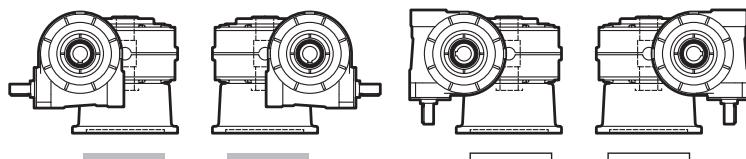
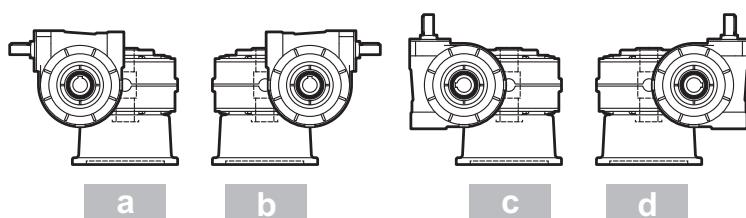
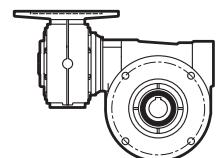
8.3 FORME DE CONSTRUCTION



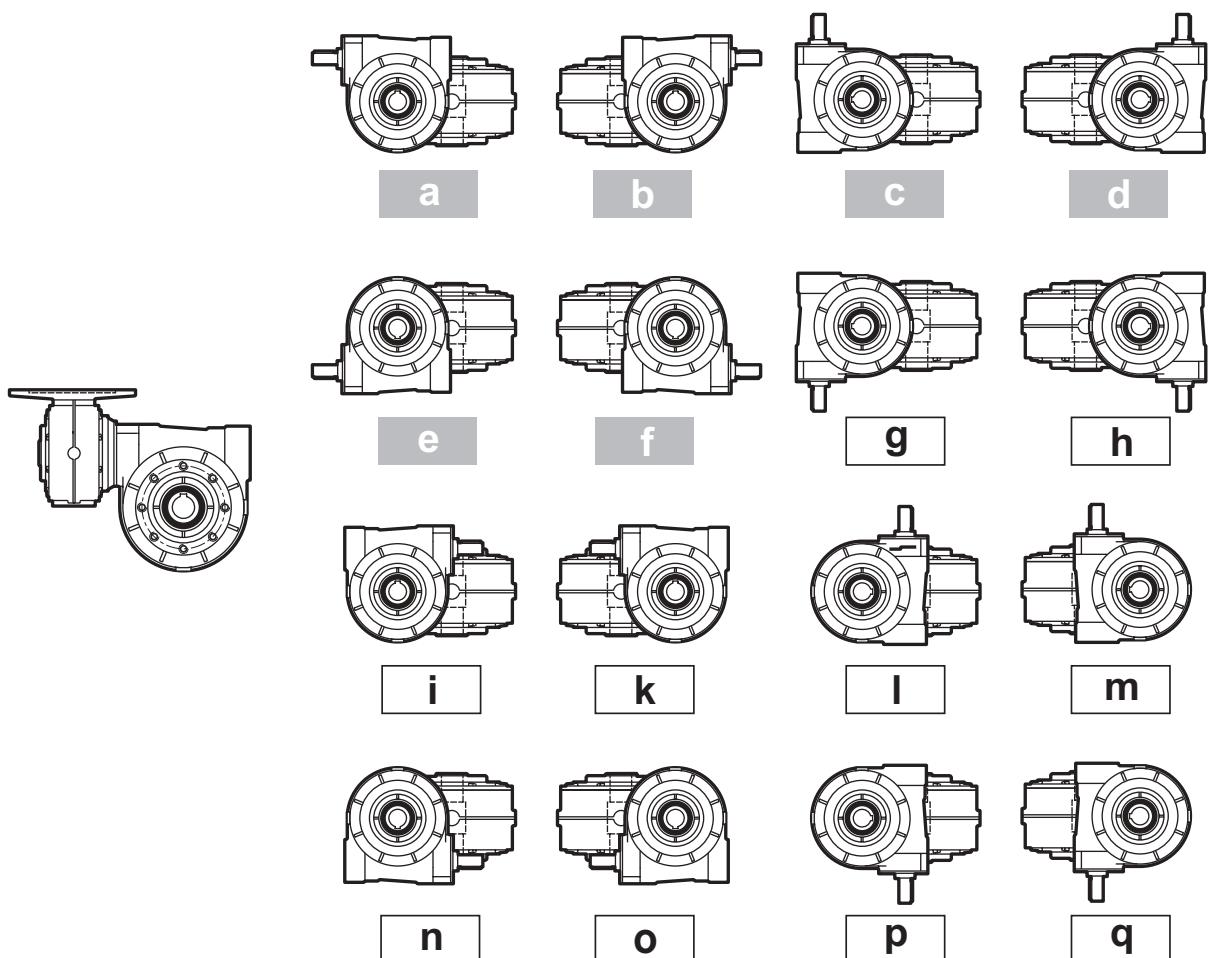
V



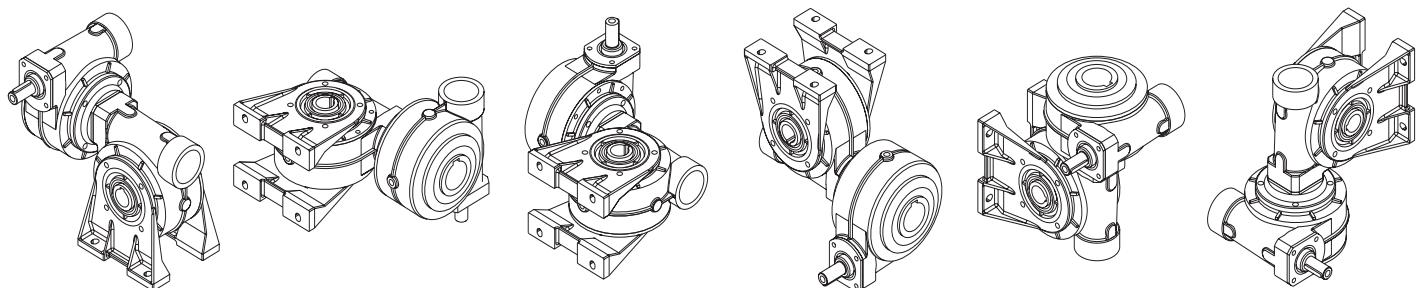
F



Versiones recomendadas / Recommended versions / Versions recommandées

8.3 FORMAS CONSTRUCTIVAS
8.3 VERSIONS
8.3 FORME DE CONSTRUCTION
P


Versiones recomendadas / Recommended versions / Versions recommandées

8.4 POSICIONES DE MONTAJE
8.4 MOUNTING POSITIONS
8.4 POSITION DE MONTAGE

B3
B6
B7
B8
V5
V6

Cantidad aceite / Oil quantity / Quantité d'huile

11



8.5 PRESTACIONES
DE LOS REDUCTORES

8.5 PERFORMANCE
OF REDUCTION GEAR

8.5 PERFORMANCES
DU REDUCTEUR

$i_1 i_{i_2}$	i	$n_1 = 1400 \text{ min}^{-1}$					
		n_2 [min $^{-1}$]	Tipo Type Type	T_{2M} [Nm]	P [kW]	Rd [HP]	
10x15	150	9.33	30/30	33	0.07	0.09	0.49
			30/40	66	0.12	0.17	0.52
			30/50	122	0.24	0.32	0.50
			40/63	203	0.37	0.50	0.54
			50/70	266	0.48	0.65	0.54
			50/85	444	0.80	1.09	0.54
10x20	200	7.0	30/30	30	0.05	0.06	0.47
			30/40	57	0.09	0.12	0.49
			30/50	125	0.19	0.26	0.47
			40/63	218	0.30	0.41	0.52
			50/70	272	0.38	0.52	0.52
			50/85	431	0.60	0.81	0.53
10x30	300	4.67	30/30	35	0.04	0.05	0.42
			30/40	72	0.08	0.11	0.45
			30/50	144	0.16	0.21	0.45
			40/63	237	0.24	0.33	0.48
			40/70	296	0.30	0.41	0.48
			50/70	296	0.30	0.41	0.48
15x30	450	3.11	30/30	528	0.53	0.72	0.49
			30/40	35	0.03	0.04	0.39
			30/50	72	0.06	0.08	0.42
			30/63	144	0.11	0.15	0.42
			40/63	237	0.17	0.24	0.44
			40/70	296	0.17	0.22	0.47
20x30	600	2.33	30/30	35	0.02	0.03	0.37
			30/40	72	0.04	0.06	0.40
			30/50	144	0.09	0.12	0.40
			30/63	237	0.14	0.19	0.42
			40/63	237	0.13	0.18	0.44
			40/70	296	0.16	0.22	0.44
30x30	900	1.56	30/30	528	0.29	0.39	0.45
			30/40	528	0.30	0.41	0.43
			30/50	35	0.02	0.02	0.34
			30/63	72	0.03	0.04	0.36
			40/70	144	0.06	0.09	0.36
			40/85	237	0.10	0.14	0.38
40x30	1200	1.17	30/30	296	0.12	0.16	0.41
			30/40	528	0.21	0.28	0.42
			30/50	38	0.01	0.02	0.35
			30/63	72	0.02	0.03	0.38
			40/70	144	0.05	0.06	0.38
			40/85	237	0.07	0.10	0.40

$i_1 i_{i_2}$	i	$n_1 = 1400 \text{ min}^{-1}$					
		n_2 [min $^{-1}$]	Tipo Type Type	T_{2M} [Nm]	P [kW]	Rd [HP]	
50x30	1500	0.93	30/30	35	0.01	0.01	0.33
			30/40	72	0.02	0.03	0.35
			30/50	144	0.04	0.05	0.35
			30/63	237	0.06	0.09	0.37
			40/70	296	0.08	0.11	0.34
			40/85	528	0.15	0.20	0.35
60x30	1800	0.78	30/30	35	0.01	0.02	0.25
			30/40	72	0.02	0.03	0.27
			30/50	144	0.04	0.06	0.27
			30/63	237	0.07	0.09	0.29
			40/70	296	0.07	0.10	0.33
			40/85	528	0.13	0.17	0.33
70x30	2100	0.67	30/30	35	0.01	0.01	0.25
			30/40	72	0.02	0.03	0.26
			30/50	144	0.04	0.05	0.26
			30/63	237	0.06	0.08	0.28
			40/70	296	0.07	0.10	0.29
			40/85	528	0.13	0.17	0.29
50x50	2500	0.56	30/30	35	0.01	0.01	0.32
			30/40	69	0.01	0.02	0.29
			30/50	123	0.02	0.03	0.30
			30/63	188	0.04	0.05	0.31
			40/70	254	0.05	0.07	0.30
			40/85	441	0.08	0.11	0.31
60x50	3000	0.47	30/30	35	0.01	0.01	0.24
			30/40	69	0.01	0.02	0.23
			30/50	123	0.03	0.04	0.23
			30/63	188	0.04	0.05	0.24
			40/70	254	0.04	0.06	0.29
			40/85	441	0.07	0.10	0.30
80x50	4000	0.35	30/30	35	0.005	0.01	0.25
			30/40	69	0.01	0.01	0.23
			30/50	123	0.02	0.03	0.24
			30/63	188	0.03	0.04	0.25
			40/70	254	0.04	0.05	0.24
			40/85	441	0.07	0.09	0.25
100x50	5000	0.28	30/30	35	0.005	0.01	0.23
			30/40	69	0.01	0.01	0.22
			30/50	123	0.02	0.02	0.22
			30/63	188	0.02	0.03	0.23
			40/70	254	0.03	0.05	0.22
			40/85	441	0.06	0.08	0.23

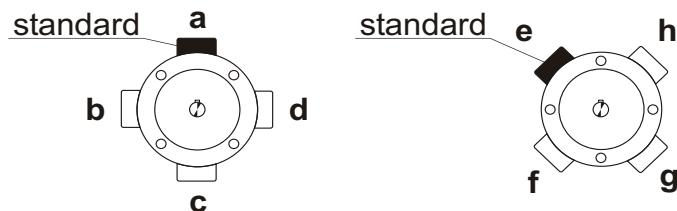
		PAM B5 - B14								
		i	56	63	71	80	90	100	112	
CF 30/30 - 40 - 50 - 63	150 - 1200									
	1500 - 5000									
CF 40/63 - 70 - 85	150 - 1200									
	1500 - 3000									
	4000 - 5000	*								
CF 50/70 - 85	150 - 1200									
	1200 - 5000		*							

* La brida B14 tiene los taladros de acople al motor dispuestos en axis. Verificar las dimensiones de montaje para el correcto posicionamiento de la caja de bornes del motor.

* *B14 flanges have the motor mounting holes arranged along the axes; check overall dimensions to determine correct position of motor terminal box.*

* Les brides B 14 ont les trous de fixation du moteur le long des axes. Vérifier les encombrements pour déterminer la position correcte de la boîte à bornes du moteur.

Posición caja de bornes
Terminal board position
Position de la boîte à bornes





8.7 PRESTACIONES
DE LOS MOTORREDUCTORES

8.7 PERFORMANCE
OF MOTOR REDUCTION GEAR

8.7 PERFORMANCES
DU MOTO REDUCTEUR

		$n_1 = 1400 \text{ min}^{-1}$														
		i	150	200	300	450	600	900	1200	1500	1800	2100	2500	3000	4000	5000
		i ₁ x ₂	10x15	10x20	10x30	15x30	20x30	30x30	40x30	50x30	60x30	70x30	50x50	60x50	80x50	100x50
		n ₂	9.3	7.0	4.7	3.1	2.3	1.6	1.2	0.9	0.8	0.7	0.6	0.5	0.4	0.3
30/30		P ₁ [kW]	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		T ₂ [Nm]	45	57*	78*	108*	137*	186*	259*	301*	278*	317*	486*	449*	623*	718*
		F _s	0.73	0.5	0.4	0.3	0.25	0.2	0.1	0.1	0.1	0.1	0.07	0.08	0.06	0.05
		PAM	56													
30/40		P ₁ [kW]	0.13	0.13	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		T ₂ [Nm]	69	87	84	116*	147*	200*	279*	323*	298*	341*	449*	414*	575*	663*
		F _s	1.0	0.7	0.9	0.6	0.5	0.35	0.25	0.2	0.2	0.2	0.15	0.15	0.1	0.1
		PAM	63													
30/50		P ₁ [kW]	0.18	0.18	0.18	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		T ₂ [Nm]	93	116	167	116	147	200	279*	323*	298*	341*	464*	428*	594*	685*
		F _s	1.3	1.1	0.9	1.2	1.0	0.7	0.5	0.45	0.45	0.4	0.25	0.25	0.2	0.15
		PAM	63													
30/63		P ₁ [kW]				0.18	0.18	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		T ₂ [Nm]				246	311	211	294	341	315	360	471*	428*	603*	696*
		F _s				1.0	0.8	1.1	0.8	0.7	0.8	0.7	0.4	0.3	0.3	0.25
		PAM	63													
40/63		P ₁ [kW]	0.37	0.37	0.25	0.18	0.18									
		T ₂ [Nm]	205	264	248	258	328									
		F _s	1.0	0.8	1.0	0.9	0.7									
		PAM	71													
40/70		P ₁ [Nm]			0.37	0.25	0.18	0.13	0.13	0.13	0.13	0.13	0.13	0.09	0.09	0.09
		T ₂ [Nm]			367	359	328	328	394	455	528*	531*	658*	764*	584*	684*
		F _s			0.8	0.8	0.9	0.9	0.8	0.7	0.55	0.55	0.4	0.3	0.4	0.35
		PAM	71													
50/70		P ₁ [kW]	0.55	0.37	0.25											
		T ₂ [Nm]	305	264	245											
		F _s	0.9	1.0	1.2											
		PAM	80	71												
40/85		P ₁ [kW]				0.37	0.25	0.25	0.18	0.18	0.13	0.13	0.13	0.13	0.09	0.09
		T ₂ [Nm]				538	461	638	553	638	535	538	688*	799*	610*	715*
		F _s				1.0	1.2	0.8	1.0	0.8	1.0	1.0	0.6	0.55	0.7	0.6
		PAM	71													
50/85		P ₁ [kW]	0.75	0.55	0.55	0.37	0.37									
		T ₂ [Nm]	416	397	546	525	656									
		F _s	1.1	1.1	1.0	1.0	0.8									
		PAM	80													

* Atención el par máximo permitido [T_{2M}] se tiene que calcular utilizando el factor de servicio $T_{2M} = T_2 \times F_s$

* WARNING: Maximum allowable torque [T_{2M}] must be calculated using the following service factor:
 $T_{2M} = T_2 \times F_s$

* ATTENTION : le couple maximum admissible [T_{2M}] se calcule en utilisant le facteur de service suivant :
 $T_{2M} = T_2 \times F_s$



Notas _____

**REDUCTORES COMBINADOS DE TORNILLO SIN FIN
COMBINED DOUBLE WORM REDUCTION GEARS
REDUCTEURS COMBINES A DOUBLE REDUCTION**

S

9.1 SIMBOLOGIA Y NOMENCLATURA

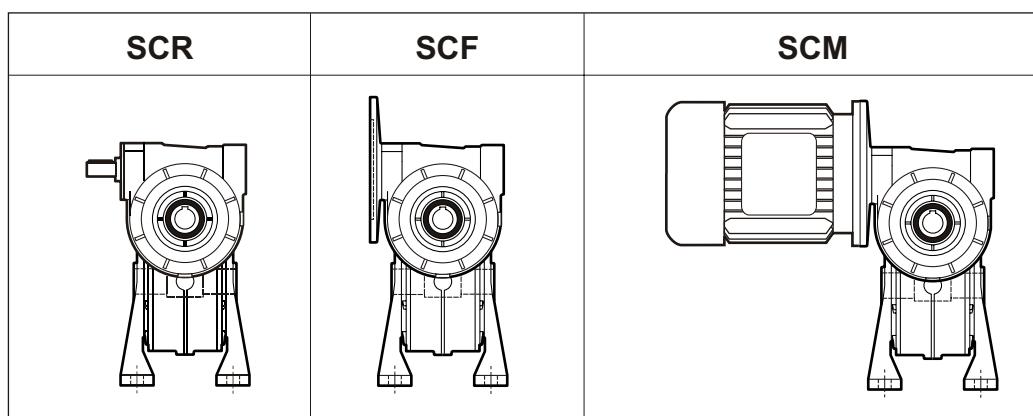
9.1 SYMBOLS AND DESIGNATION

9.1 SYMBOLES ET DESIGNATION

Versiones

Versions

Versions



Designación

Designation

Désignation

SCF	30/50	A a	1:300	PAM	63	B14	B3
-----	-------	-----	-------	-----	----	-----	----	------

Versión
Version
Version

SCR - SCF - SCM

Tamaño
Frame size
Taille

30/30 - 30/40 - 30/50

Forma constructiva
Design
Forme de construction

A - B - V - F - P

Relación
Ratio
Rapports de réduction

150 ÷ 5000

Ataque a motor
Motor coupling
Accouplement moteur

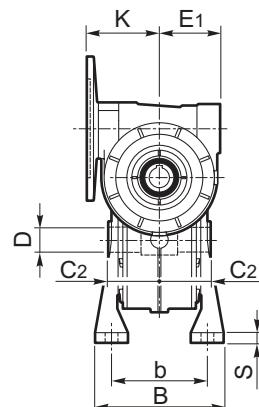
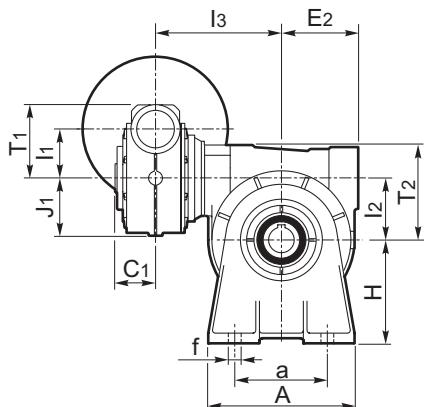
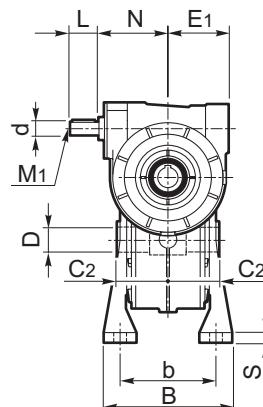
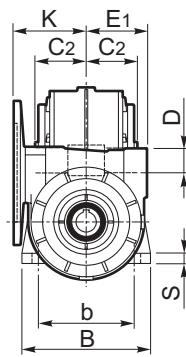
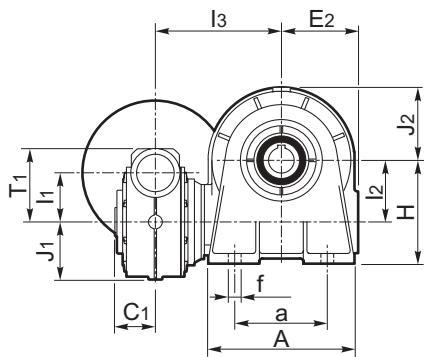
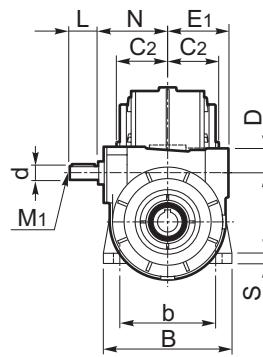
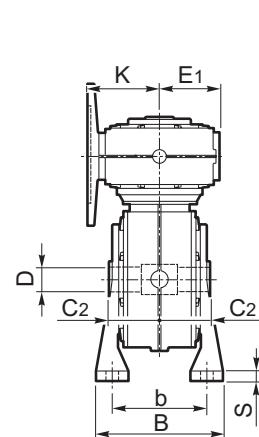
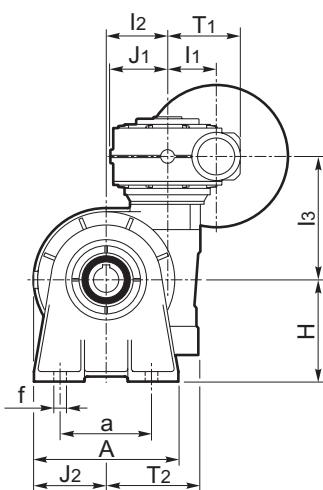
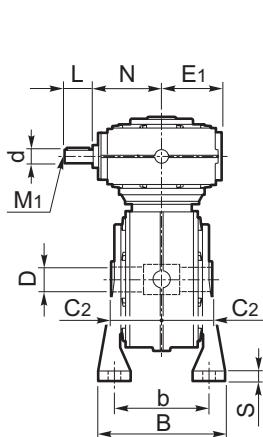


Posición de montaje
Mounting position
Position de montage



Opciones / Options / Options

- Montaje brida de salida opuesto al montaje de catálogo (S)
Flange installed at opposite end as catalogue position (S)
Montage de la bride de sortie contraire au catalogue (S)
- Rodamientos cónicos en la corona
Worm wheel taper bearings
Roulements coniques sur la roue
- Sin fin prolongado
Double ended worm shaft
Vis avec deux arbres dépassants

9.2 DIMENSIONES SERIE S
9.2 DIMENSIONS S SERIES
9.2 DIMENSIONES SERIE S
SCF.../A

SCR.../A

SCF.../B

SCR.../B

SCF.../V

SCR.../V


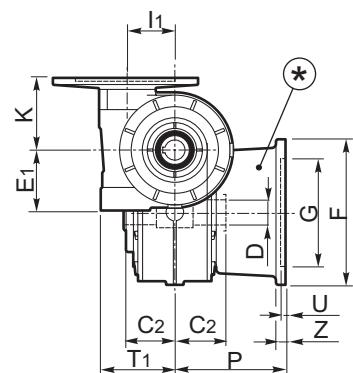
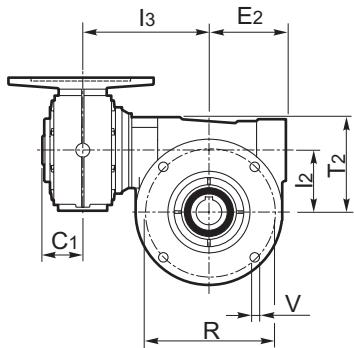
SC	A	a	B	b	C ₁	C ₂	D (H7)	d	E ₁	E ₂	F ∅	f ∅	F _P ∅	G (H8)	G _P	H	I ₁	I ₂	I ₃	J ₁	J ₂	K	L	M ₁	M ₂	N	P	P _p	R ∅	R _p ∅	S	T ₁	T ₂	U	V ∅	X	Z
30/30	78	52	80	66	27.5	31	14	9	46	46	80	6.5	74	40	42 (H8)	52	31.5	31.5	84	39	39	54	20	M4	n°4 M6x8	48	50	36	56	56	6.5	51	51	3	6	5.5	6
30/40	106	70	102	84	31	41	19	9	46	60	140	7	100	95	60 (h8)	71	31.5	40	120	39	53	54	20	M4	n°4 M6x8	48	82	38	115	83	8	51	70	5	9	2	10
30/50	126	85	115	96/99	31	49	24	9	46	70	160	9	120	110	70 (h8)	85	31.5	50	131	39	64	54	20	M4	n°4 M8x10	48	92	46	130	85	12	51	81	5	9	2	10

9.2 DIMENSIONES SERIE S

9.2 DIMENSIONS S SERIES

9.2 DIMENSIONES SERIE S

SCF.../F



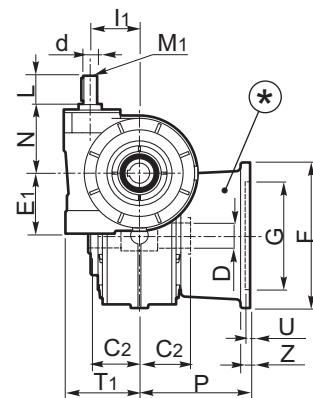
* NOTA: A partir del tamaño SC 30/50 la brida de salida F es modular, siendo ésta montada sobre la brida pendular S50P

Ver bridas especiales en Pág. 20

* NOTE: Frame size SC 30/50 uses a modular output flange F mounted to the shaft-mounted flange S 50P.

See special flanges page 20

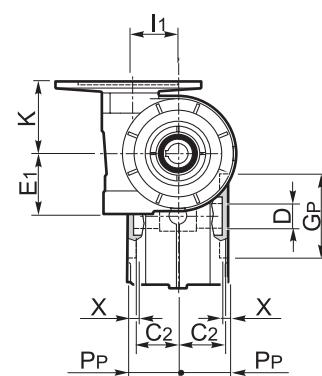
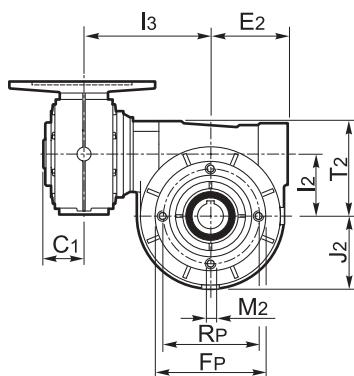
SCR.../F



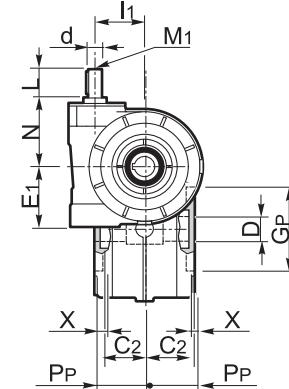
* NOTE : la taille SC 30/50 utilise une bride de sortie F modulable montée sur la bride pendulaire S 50 P.

Voir brides spéciales en page 20

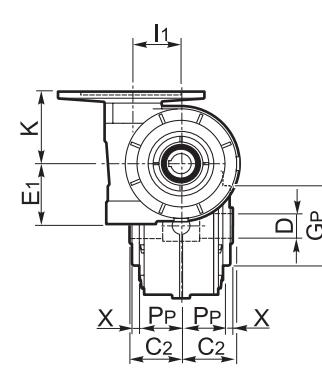
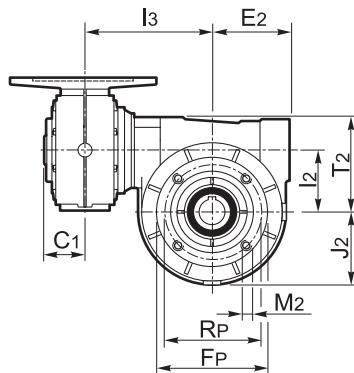
SCF 30/30/P



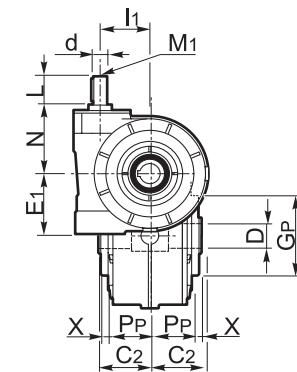
SCR 30/30/P

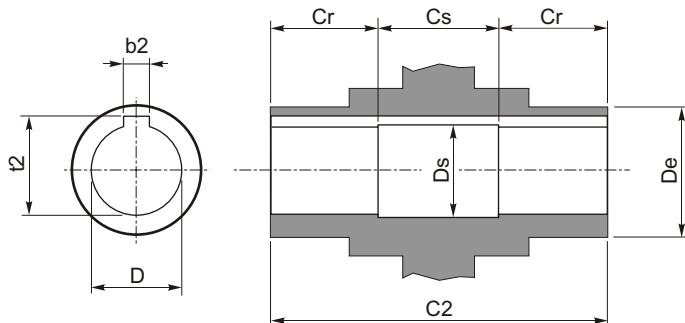


SCF 30/40/P - SCF 30/50/P

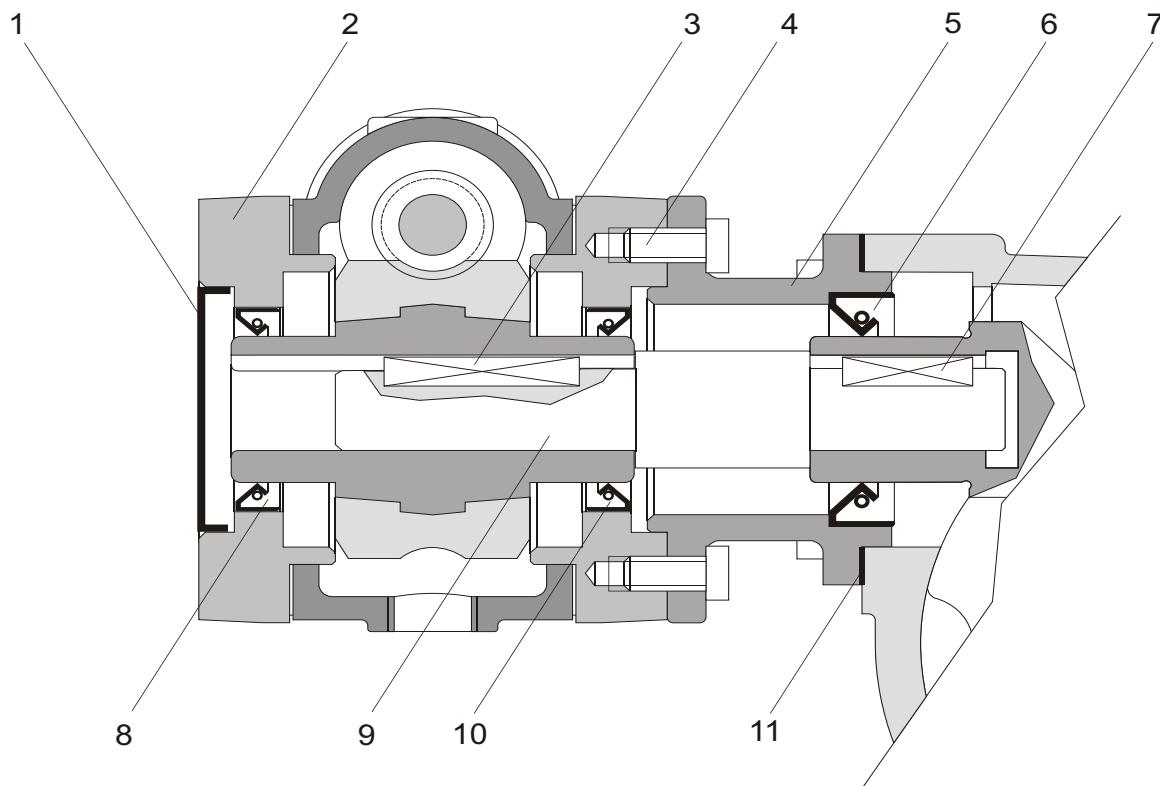


SCR 30/40/P - SCR 30/50/P



9.3 EJE HUECO
9.3 HOLLOW SHAFT
9.3 ARBRE CREUX


S	b_2 (H8)	D (H7)	D_e	D_s	t_2	C_2	C_r	C_s
30/30	5	14	25	14.5	16.3	62	22	18
30/40	6	19	30	19.5	21.8	82	30	22
30/50	8	24	40	24.5	27.3	98	35	28

9.4 LISTA DE REPUESTOS
9.4 SPARE PARTS LIST
9.4 LISTE DES PIECES DETACHEES


SCR - SCF - SCM				
Pz. n. Part nb. Numéro de pièce	1	6	8	10
30/30	42/7	15/24/7	25/35/7	25/35/7
30/40				
30/50	42/7	25/40/7	25/35/7	25/35/7

**REDUCTORES COMBINADOS DE TORNILLO SIN FIN
COMBINED DOUBLE WORM REDUCTION GEARS
REDUCTEURS COMBINES A DOUBLE REDUCTION**

B

10.1 SIMBOLOGÍA Y NOMENCLATURA

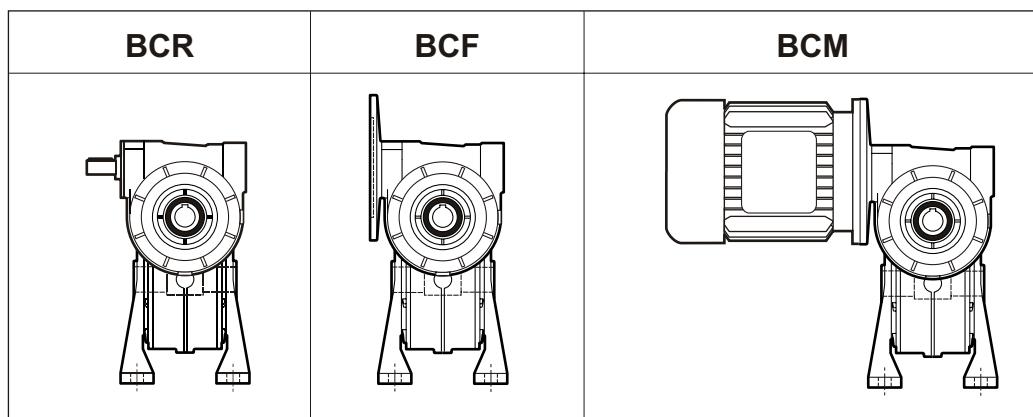
10.1 SYMBOLS AND DESIGNATION

10.1 SYMBOLES ET DESIGNATION

Versiones

Versions

Version



Designación

Designation

Désignation

BCF	30/50	A a	1:300	PAM	63	B14	B3
-----	-------	-----	-------	-----	----	-----	----	------

Versión
Version
Version

BCR - BCF - BCM

Tamaño
Frame size
Taille

30/30 - 30/40 - 30/50
30/63 - 40/63 - 40/70
40/85 - 50/70 - 50/85

Forma constructiva
Design
Forme de construction

A - B - V - F - P

Relación
Ratio
Rapports de réduction

150 ÷ 5000

Ataque a motor
Motor coupling
Assemblage moteur

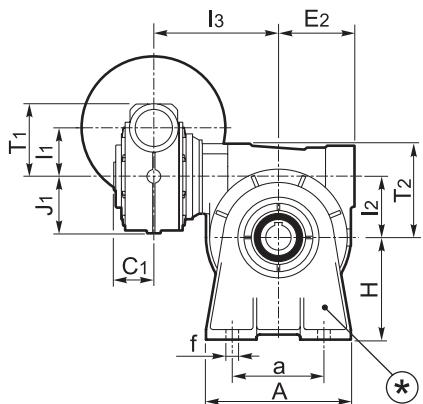
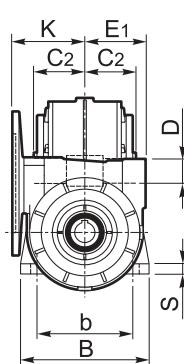
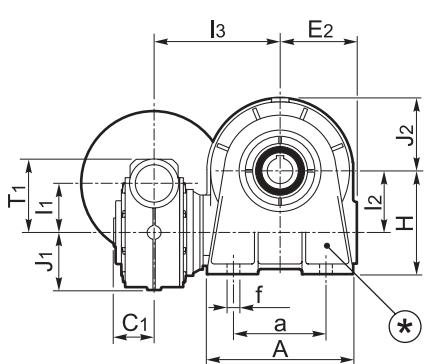
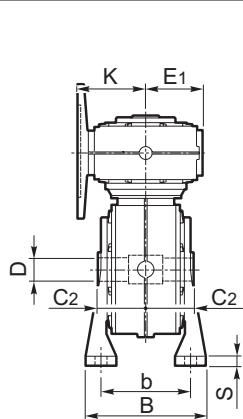
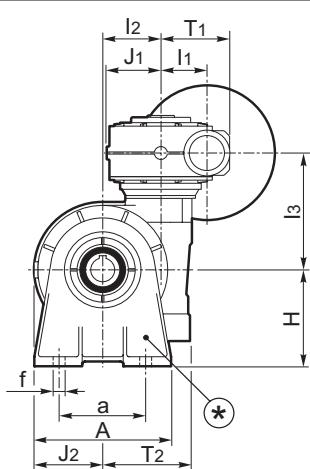
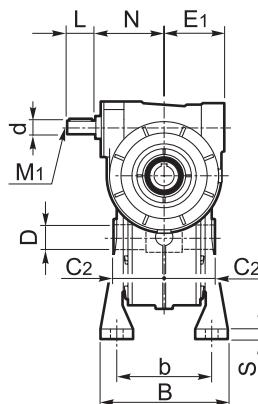
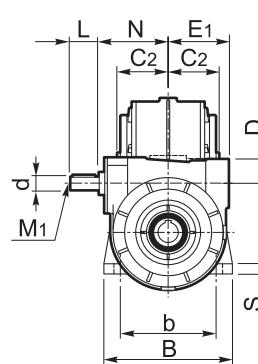
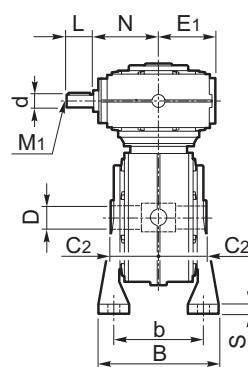
52

Posición de montaje
Mounting position
Position de montage

50

Opciones / Options / Options

- Montaje brida de salida opuesto al montaje de catálogo (S)
Flange installed at opposite end as catalogue position (S)
Montage de la bride de sortie contraire au catalogue (S)
- Rodamientos cónicos en la corona
Worm wheel taper bearings
Roulements coniques sur la roue
- Sin fin prolongado
Double ended worm shaft
Vis avec deux arbres dépassants

10.2 DIMENSIONES SERIE B
10.2 DIMENSIONS B SERIES
10.2 DIMENSIONES SERIE B
BCF.../A

BCF.../B

BCF.../V

BCR.../A

BCR.../B

BCR.../V


BC	A	a	B	b	C ₁	C ₂	D (H7)	d	E ₁	E ₂	F ∅	f ∅	F _P (H8)	G (H8)	G _P (h8)	H	I ₁	I ₂	I ₃	J ₁	J ₂	K	L	M ₁	M ₂	N	P	P _p	R ∅	R _p ∅	S	T ₁	T ₂	U	V ∅	X	Z	
30/30	78	50	80	66	27.5	27.5	14	9	46	46	80	6.5	74	50	50	55	31.5	31.5	84	39	39	54	20	M4	n°4 M6x7	48	50.5	30	68	65	7.5	51	51	3	6	1.5	6.5	
30/40	106	52	99	81	31	32	18	9	46	60	110	8.5	100	60	60	50	72	31.5	40	120	39	53	54	20	M4	n°4 M6x8	48	60	38	87	65	9	51	70	5	9	1.5	8
30/50	126	63	115	98.5	31	41	25	9	46	70	125	9	120	70	68	82	31.5	50	131	39	64	54	20	M4	n°4 M6x8	48	85	44	90	94	10	51	81	4.5	10	2	11	
30/63	136	95	136	111	31	60	25	9	46	80	180	11	106	115	75	100	31.5	63	167	39	75	54	20	M4	n°8 M8x12	48	116	45	150	90	12	51	98	7	11	12	11	
40/63	136	95	136	111	32	60	25	11	60	80	180	11	106	115	75	100	40	63	146	53	75	67	22	M5	n°8 M8x12	62	116	45	150	90	12	70	98	7	11	12	11	
40/70	156	120	144	116	32	60	28	11	60	85	200	11	128	130	90	115	40	70	155	53	85	67	22	M5	n°8 M8x12	62	111	50	165	110	12	70	112	5	12	7	12	
40/85	200	140	176	140	32	70	35	11	60	105	200	12	150	152	110	142	40	85	185	53	100	67	22	M5	n°8 M10x14	62	151	56.5	176	130	14	70	129	6	13	10	13	
50/70	156	120	144	116	41	60	28	14	70	85	200	11	128	130	90	115	50	70	184	64	85	79	30	M6	n°8 M8x12	75	111	50	165	110	12	81	112	5	12	7	12	
50/85	200	140	176	140	41	70	35	14	70	105	200	12	150	152	110	142	50	85	206	64	100	79	30	M6	n°8 M10x14	75	151	56.5	176	130	14	81	129	6	13	10	13	

B

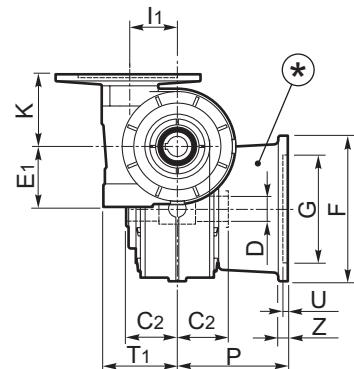
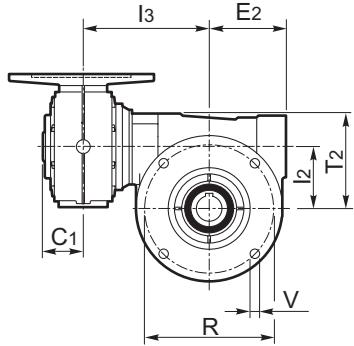


10.2 DIMENSIONES SERIE B

10.2 DIMENSIONS B SERIES

10.2 DIMENSIONES SERIE B

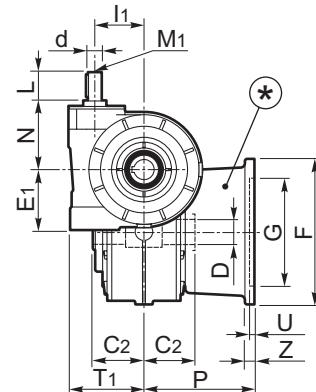
BCF.../F



Ver bridas especiales en Pág. 28

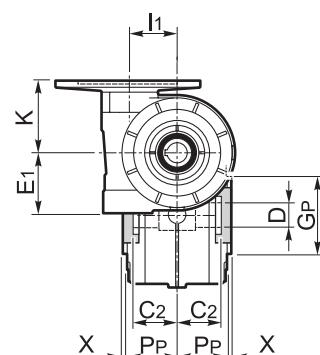
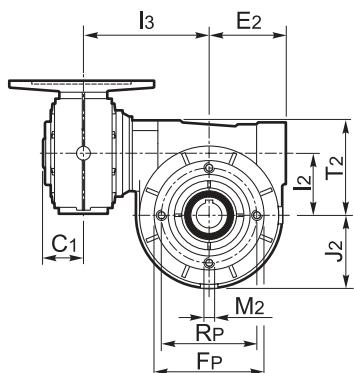
See special flanges page 28

BCR.../F

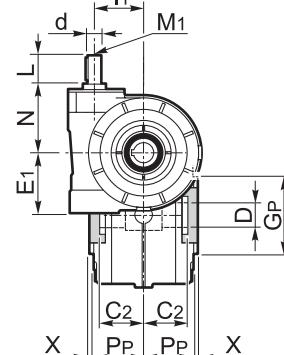


Voir brides spéciales en page 28

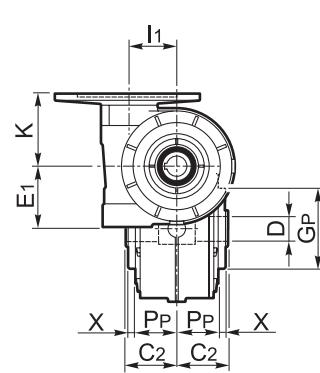
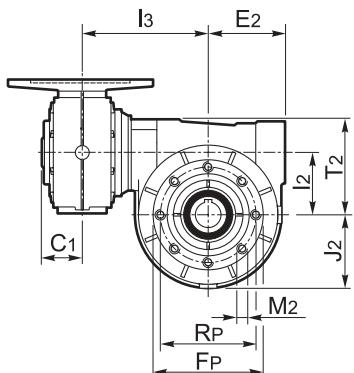
BCF.../P (30/30 - 30/40 - 30/50)



BCR.../P (30/30 - 30/40 - 30/50)

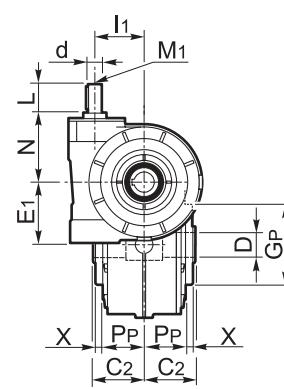


BCF.../P (30/63-40/63-40/70-50/70-40/85-50/85)



BCR.../P

(30/63-40/63-40/70-50/70-40/85-50/85)



* NOTA: A partir del tamaño BC30/40 la brida de salida F es modular, siendo ésta montada sobre la brida pendular B40P.

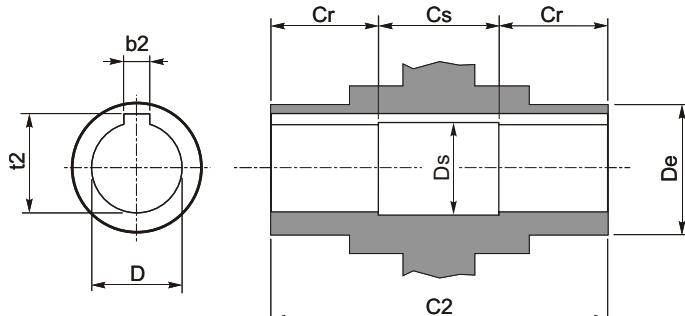
En los tamaños 63-70-85 las patas y la brida de salida son siempre modulares por lo tanto siempre estarán montadas sobre la brida pendular B.P.

* NOTE: Frame size BC 30/40 uses a modular output flange F mounted to the shaft-mounted flange B 40P.

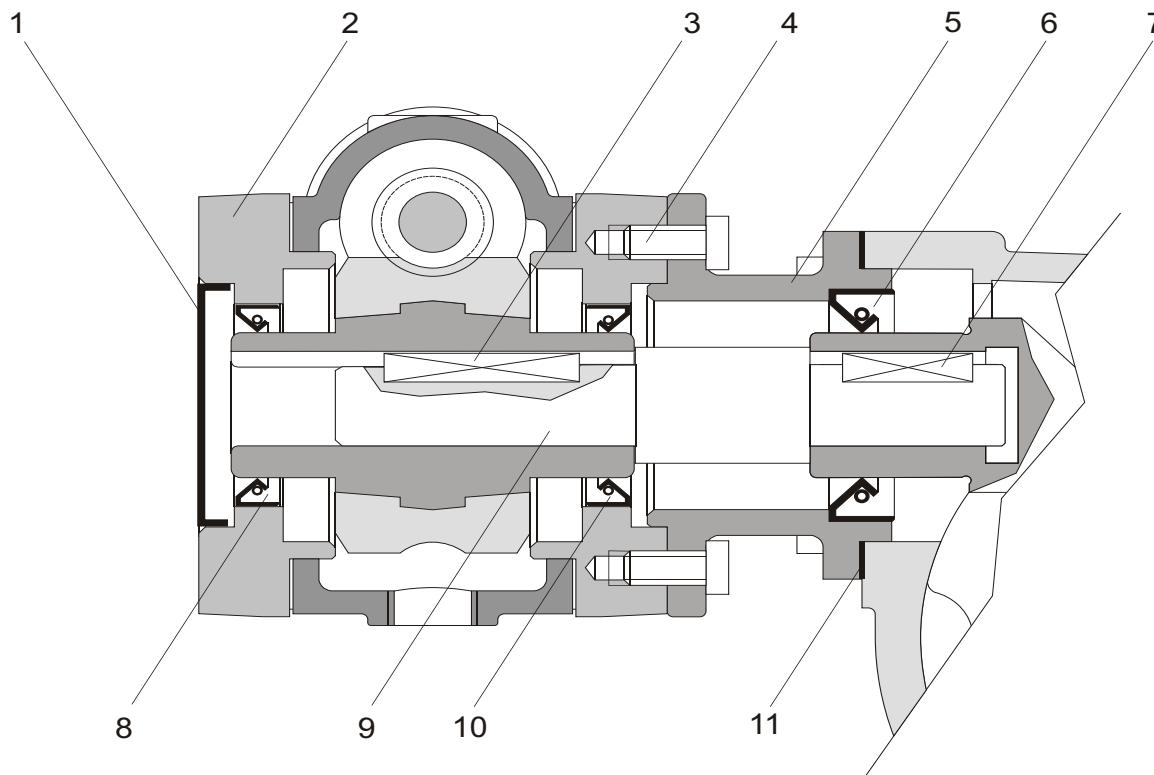
Frame sizes 63 - 70 - 85 come with modular feet and output flanges mounted to shaft-mounted flanges B.P. as standard.

* NOTE : la taille BC 30/40 utilise une bride de sortie modifiable F montée sur la bride pendulaire B 40 P.

Les tailles 63-70-85 ont des pattes et des brides modifiables appliquées sur des brides pendulaires B.P en standard.

10.3 EJE HUECO
10.3 HOLLOW SHAFT
10.3 ARBRE CREUX


B	b_2 (H8)	D (H7)	D_e	D_s	t_2	C_2	C_r	C_s
30/30	5	14	25	14.5	16.3	55	20	15
30/40	6	18	30	18.5	20.8	64	22	20
30/50	8	25	40	25.5	28.3	82	30	22
30/63								
40/63	8	25	40	25.5	28.3	120	45	30
40/70								
50/70	8	28	45	28.5	31.3	120	45	30
40/85								
50/85	10	35	50	35.5	38.3	140	45	50

10.4 LISTA DE REPUESTOS
10.4 SPARE PARTS LIST
10.4 LISTE DES PIECES DETACHEES


Pz. n. Part nb. Numéro de pièce	BCR - BCF - BCM			
	1	6	8	10
30/30	42/7	15/24/7	25/35/7	25/35/7
30/40		42/7	25/40/7	25/35/7
30/50			25/35/7	25/35/7
30/63	42/7	30/47/7	25/35/7	25/35/7
40/63	52/7	30/47/7	30/47/7	30/47/7
40/70		52/7	40/56/8	30/47/7
40/85				30/47/7
50/70		62/7	40/56/8	40/52/7
50/85				