

## MOTOREDUCTORES DE VIS SIN FIN



## *WORM GEARBOXES*

**Prestaciones de los motoredutores de vis sin fin**  
**Worm geared motors performances**

Motor		n2	i	M2	f.s	Tipo	
Kw		rpm		Nm		Type	
0.06	4P n1= 1400	186	7.5	2.6	4.2	MSF 025	
		140	10	3.4	3.5		
		94	15	4.9	2.5		
		70	20	6.1	2.0		
		47	30	8.2	1.6		
		35	40	10.2	1.3		
		28	50	11.3	0.9		
		24	60	11	0.7		
		24	60	12.5	1.3		MSF 030
		18	80	13.5	0.9		
0.09	2P n1= 2800	374	7.5	2.0	3.9	MSF 025	
		280	10	2.6	3.4		
		186	15	3.8	2.4		
	4P n1= 1400	186	7.5	3.9	2.8		
		140	10	5.1	2.4		
		94	15	7.3	1.6		
		70	20	9.2	1.3		
		47	30	12.3	1.1		
		35	40	13	0.9		
		186	7.5	3.9	4.6		MSF 030
		140	10	5.0	3.6		
		94	15	7.1	2.5		
		70	20	9.0	2.0		
	56	25	10.4	2.8			
	47	30	12	1.1			
	35	40	14.5	1.2			
	28	50	16.9	1.0			
	24	60	16.9	0.9			
	28	50	19	2.0	MSF 040		
	24	60	21.4	1.7			
	18	80	25.5	1.3			
	14	100	28.9	1.0			
	6P n1= 900	120	7.5	5.9	3.4	MSF 030	
		11	80	37	1.0	MSF 040	
		9	100	41	0.8	MSF 040	
		11	80	37	1.8	MSF 050	
	9	100	42	1.3	MSF 050		
	0.12	2P n1=2800	373	7.5	2.7	3.0	MSF 025
280			10	3.5	2.6		
186			15	5.0	1.8		
4P n1=1400		186	7.5	5.2	3.4	MSF 030	
		140	10	6.7	2.7		
		94	15	9.5	1.9		
		70	20	12	1.5		
		56	25	13.9	1.5		
		47	30	16	1.3		
		35	40	17	0.9		
		47	30	17.2	2.6		MSF 040
		35	40	21.3	1.9		
		28	50	25.4	1.5		
24		60	28.5	1.3			
18		80	34.1	1.0			
14		100	38	0.8			
24		60	29	2.3	MSF 050		
18		80	34.7	1.9			
14		100	40.1	1.4			
120		7.5	7.9	2.5		MSF 030	
6P n1=900		60	15	14	1.4	MSF 050	
		15	60	42	1.7		
		11	80	50	1.4		
		9	100	56	1.0		
		9	100	56	1.0		

Motor		n2	i	M2	f.s	Tipo	
Kw		rpm		Nm		Type	
0.18	2P n1= 2800	374	7.5	4.0	3.2	MSF 030	
		280	10	5.2	2.5		
		186	15	7.5	1.7		
		186	7.5	8.0	2.3		
	140	10	10	1.8			
	94	15	14	1.3			
	70	20	18	1.0			
	56	25	20	1.0			
	70	20	19	2.0	MSF 040		
	56	25	23	1.7			
	47	30	26	1.7			
	35	40	32	1.3			
	28	50	38	1.0			
	24	60	43	0.8			
	35	40	32	2.3		MSF 050	
	28	50	38	1.9			
	24	60	43	1.6			
	18	80	53	1.2			
	14	100	55	0.9			
	6P n1= 900	18	50	56	1.4	MSF 050	
		15	60	63	1.1		
		11	80	75	0.9		
		11	80	79	1.6		MSF 063
	9	100	90	1.4	MSF 063		
	0.25	2P n1= 2800	374	7.5	5.6	2.3	MSF 030
			280	10	7.2	1.8	
			186	15	10	1.3	
		4P n1= 1400	186	7.5	11	3.6	MSF 040
140			10	14	2.8		
94			15	20	1.9		
70			20	26	1.5		
56			25	31	1.2		
47			30	36	1.3		
35			40	44	0.9		
70			20	26	2.7	MSF 050	
56			25	32	2.2		
47			30	36	2.3		
35		40	45	1.7			
28		50	53	1.4			
24		60	60	1.1			
18		80	65	0.9			
24		60	63	2.0	MSF 063		
18		80	77	1.6			
14		100	85	1.4			
120		7.5	17	2.6		MSF 040	
6P n1= 900		15	60	92	1.5	MSF 063	
		11	80	110	1.2		
		9	100	125	1.0		
0.37		2P n1= 2800	373	7.5	8.4	3.3	MSF 040
			280	10	11	2.6	
			186	15	16	1.9	
		4P n1= 1400	186	7.5	16	2.4	MSF 040
	140		10	21	1.9		
	94		15	30	1.3		
	70		20	39	1.0		
	56		25	47	0.8		
	94		15	31	2.4	MSF 050	
	70		20	39	1.8		
	56		25	47	1.5		
	47		30	54	1.5		
	35		40	66	1.1		

**Prestaciones de los motoreductores de vis sin fin**  
**Worm geared motors performances**

Motor		n2	i	M2	f.s	Tipo	
Kw		rpm		Nm		Type	
0.37	4P n1= 1400	28	50	73	0.9	MSF 050	
		24	60	89	0.8		
		35	40	70	2.1	MSF 063	
		28	50	83	1.6		
		24	60	95	1.4		
		18	80	114	1.1		
	14	100	118	0.9			
	24	60	98	2.0	MSF 075		
	18	80	121	1.6			
	14	100	139	1.3			
	120	7.5	25	3.3		MSF 050	
	6P n1= 900	15	60	137	1.0	MSF 063	
		15	60	144	1.5	MSF 075	
		11	80	173	1.2		
9	100	196	1.0				
0.55	2P n1= 2800	374	7.5	13	2.2	MSF 040	
	280	10	17	1.8			
	186	15	24	1.5			
	4P n1= 1400	186	7.5	25	2.9	MSF 050	
		140	10	32	2.2		
		94	15	46	1.6		
		70	20	60	1.2		
		56	25	71	1.0		
		47	30	81	1.0		
		70	20	60	2.2		MSF 063
		56	25	72	1.8		
		47	30	80	1.9		
	35	40	104	1.4			
	28	50	123	1.1			
	24	60	140	0.9			
	4P n1= 1400	35	40	108	2.0	MSF 075	
		28	50	129	1.6		
		24	60	146	1.4		
		18	80	180	1.1		
		14	100	206	0.9		
		18	80	189	1.5		MSF 090
	14	100	221	1.2			
	4P n1= 1400	18	80	201	2.4	MSF 110	
		14	100	236	1.9		
		120	7.5	38	2.2	MSF 050	
		6P n1= 900	18	50	187	1.2	MSF 075
			15	60	214	1.0	
			15	60	224	1.6	MSF 090
	11		80	275	1.1		
	9	100	315	0.9	MSF 110		
11	80	294	1.8				
9	100	338	1.4				
0.75	2P n1=2800	373	7.5	17	3.0	MSF 050	
	280	10	23	2.4			
	186	15	33	1.7			
	4P n1=1400	186	7.5	34	2.1	MSF 050	
		140	10	44	1.6		
		94	15	63	1.2		
		70	20	81	0.9		
		94	15	63	2.2		MSF 063
		70	20	82	1.6		
		56	25	99	1.3		
		47	30	109	1.4		
		35	40	143	1.0		
	47	30	116	2.0			
	4P n1=1400	35	40	147	1.4	MSF 075	
		28	50	176	1.2		
		24	60	200	1.0		

Motor		n2	i	M2	f.s	Tipo	
Kw		rpm		Nm		Type	
0.75	4P n1= 1400	28	50	184	1.8	MSF 090	
		24	60	212	1.5		
		18	80	257	1.1		
		14	100	270	0.9		
		18	80	274	1.8		MSF 110
		14	100	322	1.4		
	6P n1= 900	120	7.5	52	2.9	MSF 063	
		18	50	271	1.4	MSF 090	
		15	60	306	1.1		
		15	60	325	1.9	MSF 110	
		11	80	401	1.3		
		9	100	462	1.1		
1.10	2P n1= 2800	374	7.5	25	2.1	MSF 050	
	280	10	33	1.6			
	186	15	48	1.2			
	4P n1= 1400	186	7.5	49	2.6	MSF 063	
		140	10	65	2.0		
		94	15	93	1.5		
		70	20	121	1.1		
		56	25	149	0.9		
		47	30	167	1.0		
		70	20	122	1.7	MSF 075	
		56	25	149	1.3		
		47	30	170	1.3		
		35	40	216	1.0		
		35	40	225	1.6		MSF 090
		28	50	271	1.3		
	24	60	311	1.0	MSF 110		
	24	60	324	1.7			
	18	80	410	1.2			
	14	100	460	1.0			
	4P n1= 1400	18	80	408	2.1	MSF 130	
		14	100	480	1.5		
		120	7.5	76	2.0	MSF 063	
		6P n1= 900	18	50	414	1.6	MSF 110
			15	60	476	1.3	
11			80	588	0.9		
11	80		598	1.4			
9	100	689	1.1	MSF 130			
1.50	2P n1= 2800	374	7.5	35	2.7	MSF 063	
	280	10	46	2.1			
	186	15	66	1.6			
	4P n1= 1400	186	7.5	68	1.9	MSF 075	
		140	10	89	1.5		
		94	15	127	1.1		
		70	20	167	1.3		
		56	25	200	1.0		
		47	30	230	1.0		
		56	25	209	1.6	MSF 090	
		47	30	236	1.7		
		35	40	306	1.2		
		28	50	369	0.9		
		24	60	424	0.8		
		28	50	375	1.6		MSF 110
	24	60	442	1.3			
	18	80	490	0.9			
	24	60	450	1.9	MSF 130		
	18	80	547	1.5			
	14	100	652	1.1			

## Prestaciones de los motoredutores de vis sin fin Worm geared motors performances

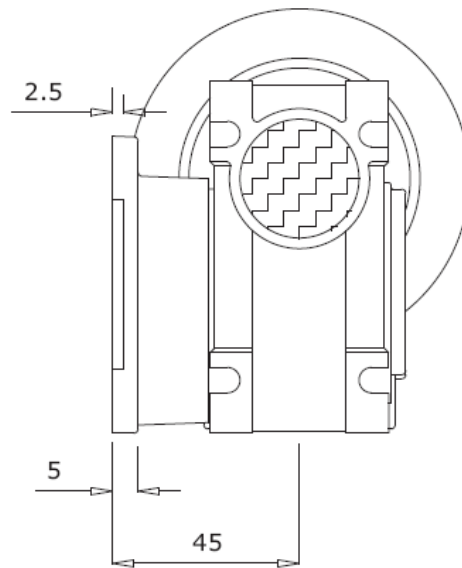
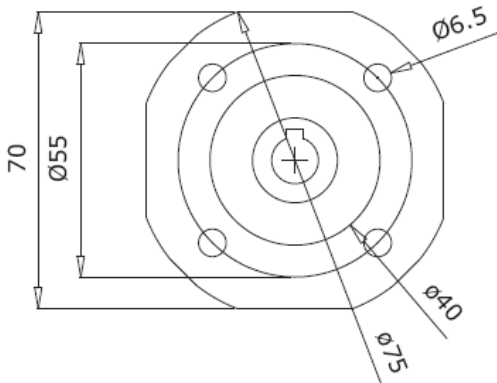
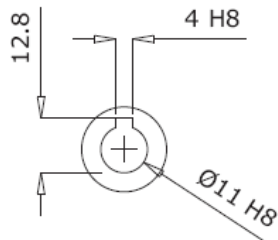
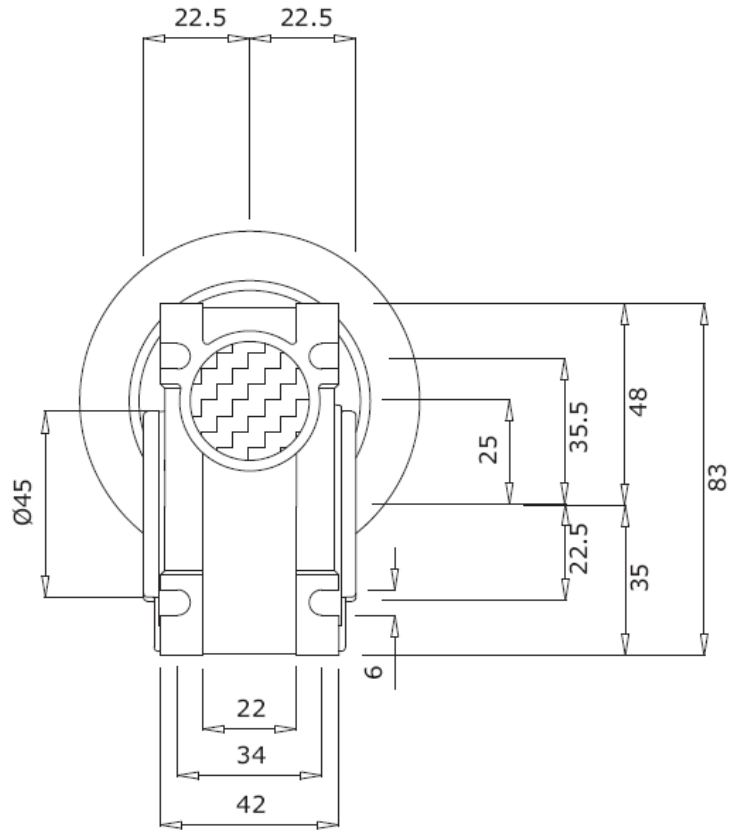
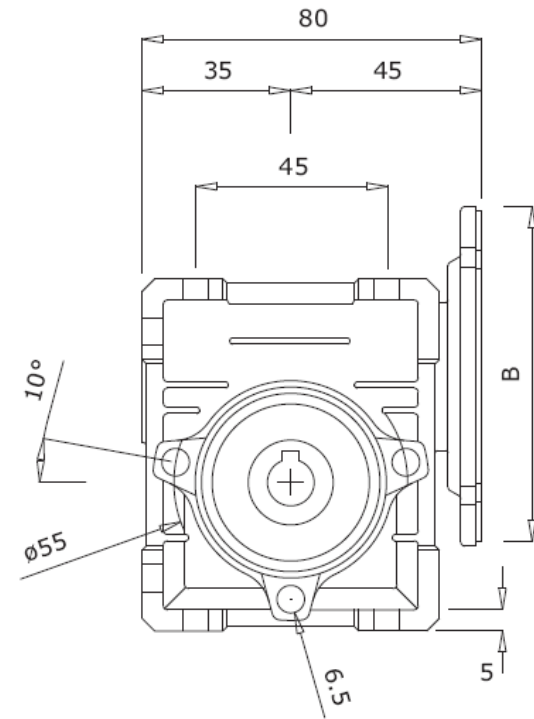
Motor Kw		n2 rpm	i	M2 Nm	f.s	Tipo Type
1.50	6P n1= 900	120	7.5	105	2.0	MSF 075
		15	60	649	1.0	MSF 110
		15	60	659	1.4	MSF 130
		11	80	815	1.1	
2.20	2P n1= 2800	374	7.5	51	1.8	MSF 063
		280	10	67	1.5	
		186	15	97	1.1	
	4P n1= 1400	MSF 075	186	7.5	100	1.8
			140	10	132	1.5
			94	15	191	1.0
		MSF 090	186	7.5	101	2.9
			140	10	133	2.3
			94	15	193	1.9
			70	20	251	1.4
			56	25	307	1.1
			47	30	346	1.2
		MSF 110	70	20	256	2.2
			56	25	316	1.9
			47	30	355	1.8
			35	40	462	1.3
			28	50	550	1.1
			24	60	648	0.9
		MSF 130	28	50	567	1.7
			24	60	660	1.4
			18	80	803	1.0
	6P n1= 900	MSF 075	120	7.5	156	2.2
			18	50	840	1.2
			15	60	966	1.0
3.00	2P n1=2800	373	7.5	70	1.9	MSF 075
		280	10	92	1.6	
		374	7.5	71	3.0	MSF 090
		280	10	92	2.6	
	4P n1=1400	MSF 090	186	7.5	138	2.1
			140	10	187	1.7
			94	15	264	1.4
			70	20	344	1.0
		MSF 110	140	10	182	2.6
			94	15	263	2.2
			70	20	350	1.6
			56	25	431	1.4
			47	30	484	1.3
			35	40	462	1.0
		MSF 130	28	50	767	0.8
			35	40	631	1.6
	28		50	773	1.3	
	24		60	884	1.0	
	6P n1=900	MSF 110	18	80	1113	0.8
			120	7.5	212	2.7
30			30	745	1.6	
MSF 130	22	40	955	1.2		

Motor Kw		n2 rpm	i	M2 Nm	f.s	Tipo Type
4.00	2P n1=2800	374	7.5	93	1.4	MSF 075
		280	10	123	1.2	
		374	7.5	94	2.2	MSF 090
		280	10	123	1.9	
	4P n1= 1400	MSF 075	186	7.5	182	1.0
			140	10	240	0.8
			186	7.5	184	1.6
		MSF 090	140	10	243	1.3
			94	15	352	1.0
			70	20	458	0.8
			186	7.5	184	2.4
			140	10	243	2.1
94			15	352	1.6	
MSF 110		70	20	464	1.2	
		56	25	573	1.0	
		47	30	646	1.0	
		56	25	572	1.6	
		47	30	655	1.6	
		35	40	857	1.2	
MSF 130		28	50	1023	1.0	
	24	60	1179	0.8		
	120	7.5	283	2.0		
6P n1= 900	MSF 110	45	20	713	1.5	
		36	25	870	1.2	
		186	7.5	253	1.9	
	MSF 110	140	10	334	1.6	
		94	15	484	1.2	
		70	20	638	0.9	
5.50	4P n1= 1400	186	7.5	256	3.0	MSF 130
		140	10	334	2.5	
		94	15	490	1.9	
		70	20	645	1.4	
		56	25	788	1.2	
		47	30	900	1.2	
		35	40	1171	0.9	
		7.50	4P n1= 1400	186	7.5	345
140	10			455	1.1	
94	15			660	0.9	
186	7.5			349	2.1	MSF 130
140	10			455	1.8	
94	15			667	1.4	
70	20	880	1.0			
56	25	1074	0.9			
47	30	1228	0.8			
35	40	1596	0.7			
9.20	4P n1= 1400	186	7.5	428	1.8	MSF 130
		140	10	559	1.5	
		94	15	819	1.1	
		70	20	1079	0.8	
		56	25	1318	0.7	

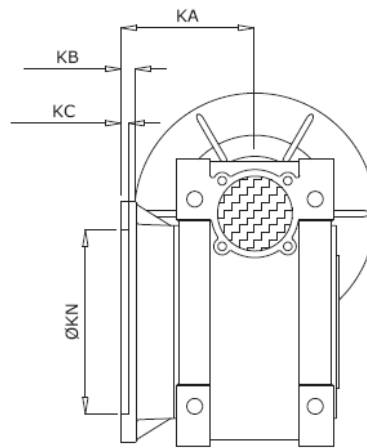
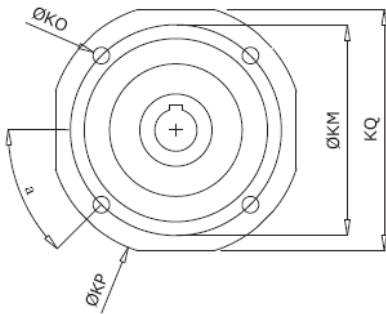
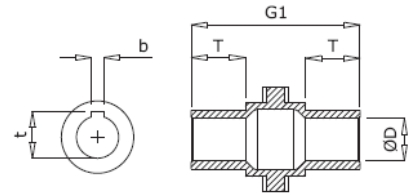
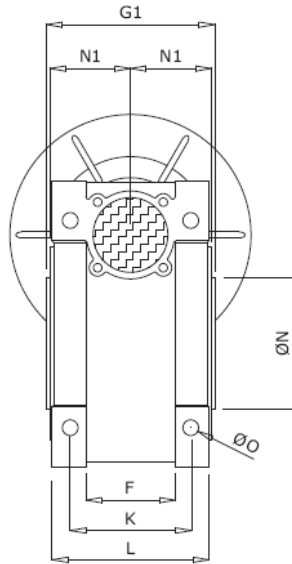
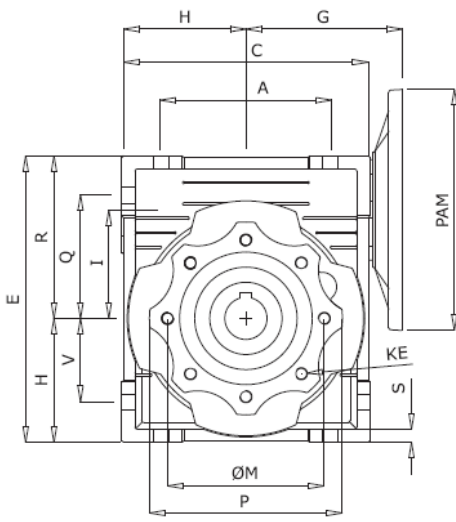
**Dimensiones**  
**Overall dimensions**

**MSF 025**  
**MSF 025**

Peso sin motor 0.7Kg.  
Weight without motor 0.7Kg.



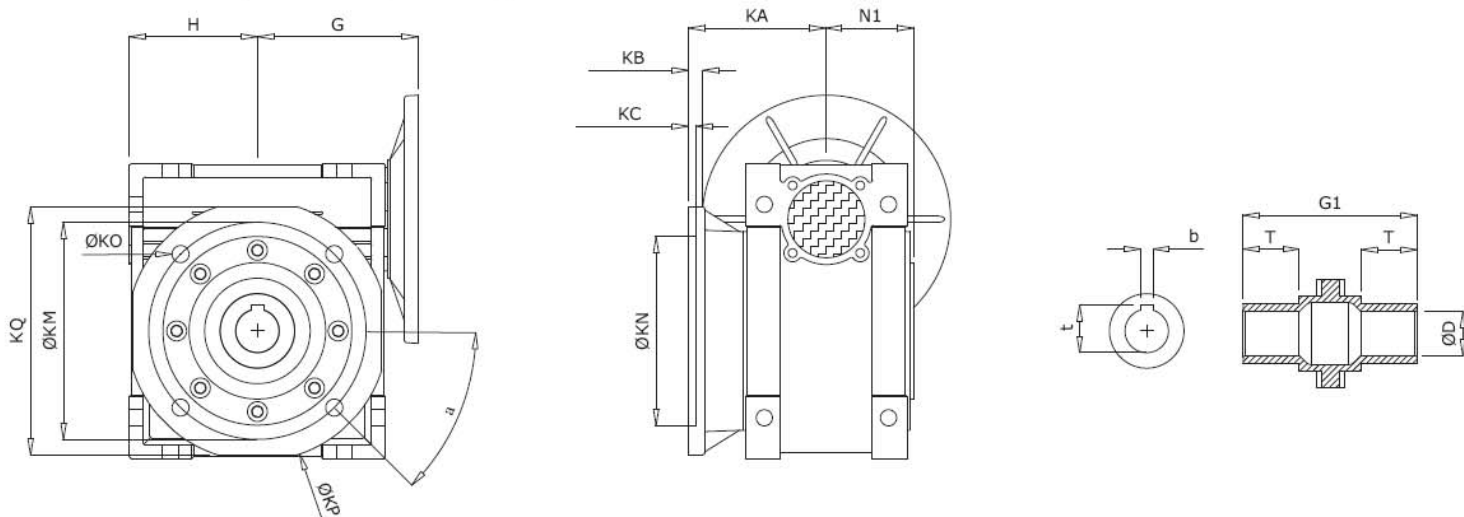
**MSF 030 - 130**  
**MSF 030 - 130**



Tamaño Size	A	B	C	D (H7)	E	F	G	G1	H	I	L	M	N (h8)	N1	O	P	Q	R
030	54	20	80	14	97	32	55	63	40	30	56	65	55	29	6.5	75	44	57
040	70	23	100	18 (19)	121.5	43	70	78	50	40	71	75	60	36.5	6.5	87	55	71.5
050	80	30	120	25 (24)	144	49	80	92	60	50	85	85	70	43.5	8.5	100	64	84
063	100	40	144	25 (28)	174	67	95	112	72	63	103	95	80	53	8.5	110	80	102
075	120	50	172	28 (35)	205	72	112.5	120	86	75	112	115	95	57	11	140	93	119
090	140	50	208	35 (38)	238	74	129.5	140	103	90	130	130	110	67	13	160	102	135
110	170	60	252.5	42	295	-	160	155	127.5	110	144	165	130	74	14	200	125	167.5
130	200	80	292.5	45	335	-	180	170	147.5	130	155	215	180	81	16	250	140	187.5

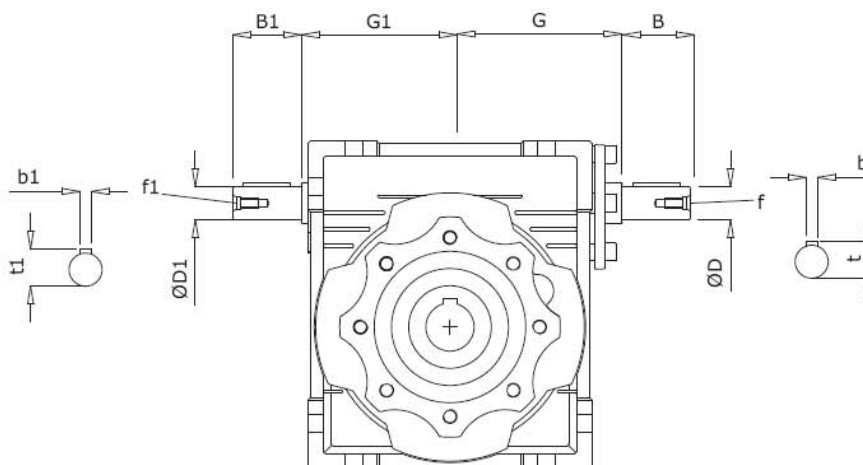
Tamaño Size	S	T	V	K	KA	KB	KC	KE	a	KM	KN (H8)	KO	KP	KQ	b	t	kg
030	5.5	21	27	44	54.5	6	4	M6x11 (4)	45°	68	50	6.5	80	70	5	16.3	1.2
040	6.5	26	35	60	67	7	4	M6x8 (4)	45°	87	60	9	110	95	6 (6)	20.8 (21.8)	2.3
050	7	30	40	70	90	9	5	M8x10 (4)	45°	90	70	11	125	110	8 (8)	28.3 (27.3)	3.5
063	8	36	50	85	82	10	6	M8x14 (8)	45°	150	115	11	180	142	8 (8)	28.3 (31.3)	6.2
075	10	40	60	90	111	13	6	M8x14 (8)	45°	165	130	14	200	170	8 (10)	31.3 (38.3)	9
090	11	45	70	100	111	13	6	M10x18 (8)	45°	175	152	14	210	200	10 (10)	38.3 (41.3)	13
110	14	50	85	115	131	15	6	M10x18 (8)	45°	230	170	14	280	260	12	45.3	35
130	15	60	100	120	140	15	6	M12x21 (8)	22.5°	255	180	16	320	290	14	48.8	48

## Bridas especiales Special output flanges



Tamaño Size		D (H7)	G	G1	H	N1	T	KA	KB	KC	a	KM	KN (H8)	KO	KP	KQ	b	t
040	FB	18	70	78	50	36.5	26	97	7	4	45°	87	60	9	110	95	6	20.8
	FC	(19)						80	9	5	45°	115	95	9.5	140	-	(6)	(21.8)
	FD							58	12	5	45°	100	80	9	120	-		
050	FB	25	80	92	60	43.5	30	120	9	5	45°	87	70	11	125	110	8	28.3
	FC	(24)						89	10	5	45°	130	110	9.5	160	-	(8)	(27.3)
	FD							72	14.5	5	45°	115	95	11	140	-		
063	FB	25	95	112	72	53	36	112	10	6	45°	150	115	11	180	142	8	28.3
	FC	(28)						98	10	5	45°	165	130	11	200	-	(8)	(31.3)
	FD							107	10	5	45°	165	130	11	200	-		
	FE							80.5	16.5	5	45°	130	110	11	160	-		
075	FB	28 (35)	112.5	120	86	57	40	90	13	6	45°	130	110	11	160	-	8 (10)	31.3 (38.3)
090	FB	35	129.5	140	103	67	45	122	18	6	45°	215	180	14	250	-	10	38.3
	FC	(38)						110	17	6	45°	165	130	11	200	-	(10)	(41.3)
	FD							151	13	6	45°	175	152	14	210	200		
110	FB	42	160	155	127.5	74	50	130	18	5	45°	215	180	15	250	-	12	45.3

## Modelos con árbol de entrada simple y doble Single and double input shaft model



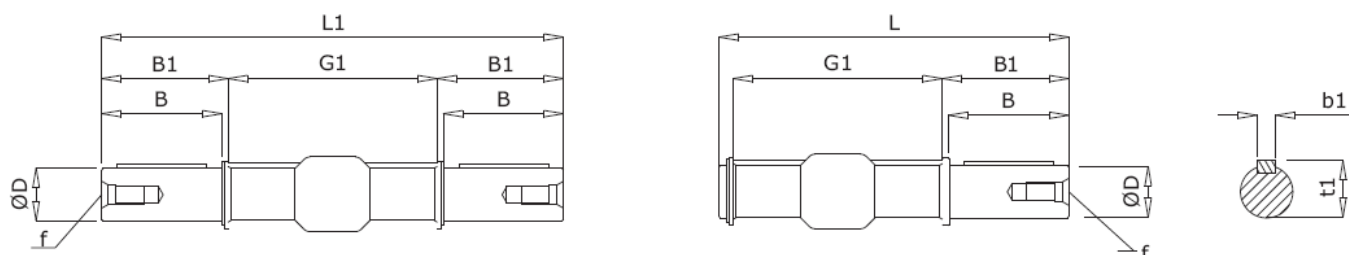
Tamaño Size	B	G	D (j6)	f	b	t		B1	G1	D1 (j6)	f1	b1	t1
030	20	51	9	-	3	10.2		20	45	9	-	3	10.2
040	23	60	11	-	4	12.5		23	53	11	-	4	12.5
050	30	74	14	M6	5	16.0		30	64	14	M6	5	16.0
063	40	90	19	M6	6	21.5		40	75	19	M6	6	21.5
075	50	105	24	M8	8	27.0		50	90	24	M8	8	27.0
090	50	125	24	M8	8	27.0		50	108	24	M8	8	27.0
110	60	142	28	M10	8	31.0		60	135	28	M10	8	31.0
130	80	162	30	M10	8	33.0		80	155	30	M10	8	33.0





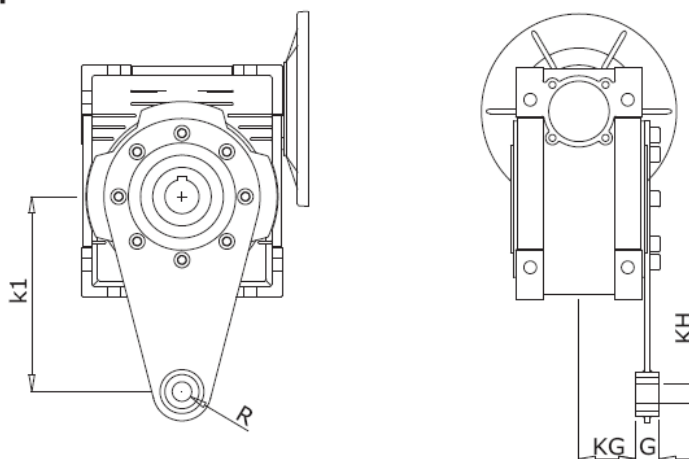
## Accesorios Accessories

### Ejes de salida simples y dobles Single and double output shafts



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

### Brazos de reacción Torque arms



	K1	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		