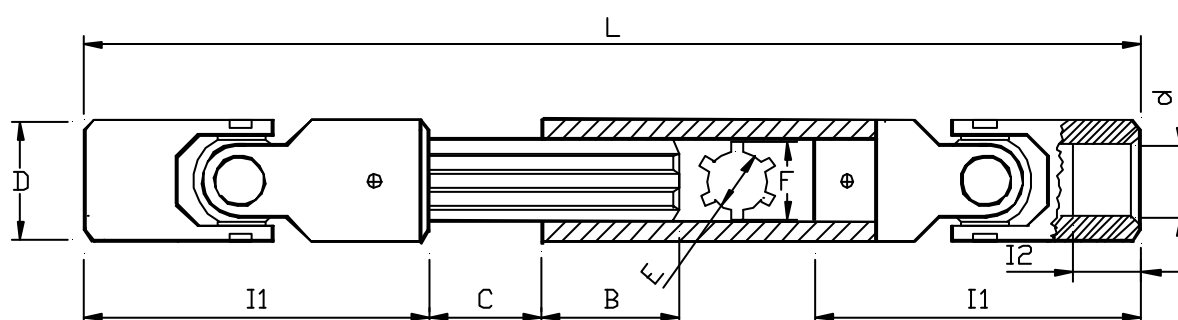
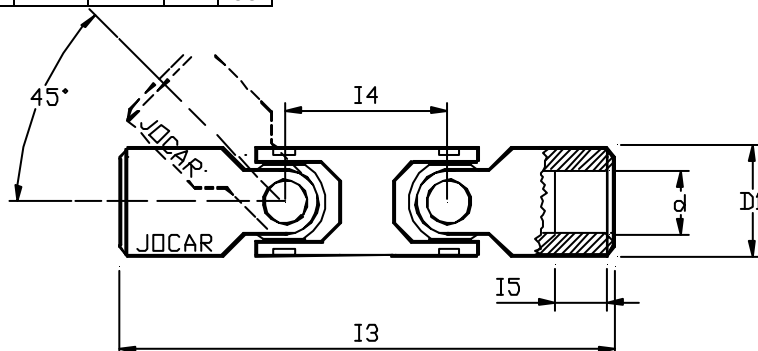
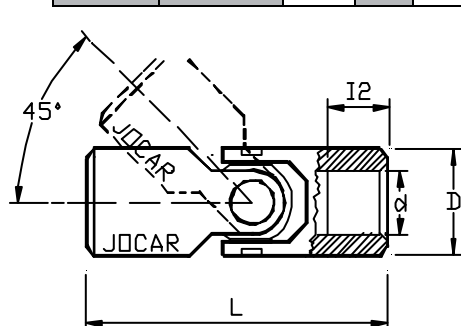
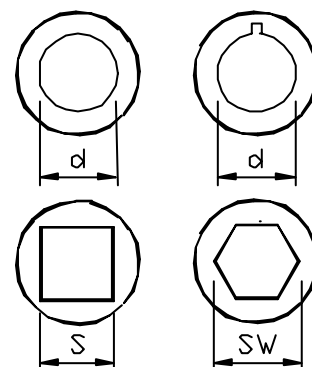


Juntas de precisión simples, dobles y telescópicas

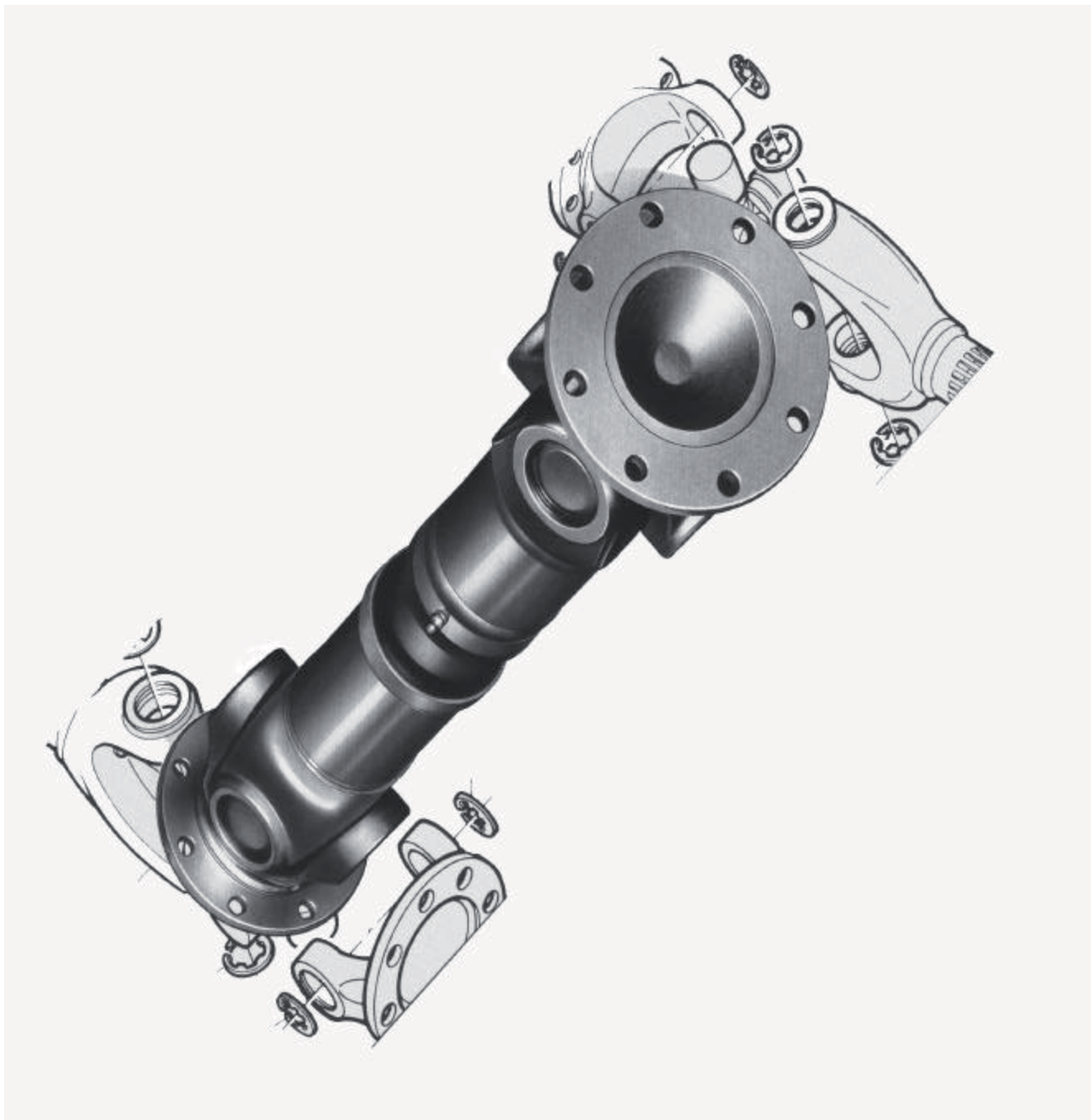
TIPO	d	D	I1	I2	B	E	F	S	SW	L min.
125A	10	22	45	10	40	11	14	10	10	130
126A	12	26	50	11	45	13	16	12	12	140
127A	14	29	56	13	48	13	16	14	14	160
128A	16	32	65	15	50	16	20	16	16	180
129A	18	37	72	17	51	16	20	17	18	195
130A	20	40	82	19	56	18	22	20	20	220
131A	22	47	95	22	60	21	25	22	22	250
132A	25	50	108	27	69	23	28	25	25	270
133A	30	58	122	30	70	26	32	30	35	320
134A	35	70	140	35	70	32	38	36	35	-
135A	40	80	160	42	70	42	48	41	35	-
136A	50	95	190	54	70	42	48	50	35	-



Simple	Doble	d	D	L	I2	I3	I5	S	S W
101A	--	6	16	34	9	--	--	--	--
102A	--	8	16	40	11	--	--	--	--
103A	--	10	22	45	10	--	--	10	10
104A	104AD	12	26	50	11	74	15	12	12
105A	105AD	14	29	56	13	85	16	14	14
106A	106AD	16	32	65	15	100	19	16	16
107A	107AD	18	37	72	17	112	20	17	18
108A	108AD	20	40	82	19	127	20	20	20
109A	109AD	22	47	95	22	145	25	22	--
110A	110AD	25	50	108	27	163	25	25	25
111A	111AD	30	58	122	30	182	30	30	35
111/1A	111/1AD	32	58	130	30	198	30	30	35
112A	112AD	35	70	140	35	212	30	--	35
113A	113AD	40	80	160	42	245	38	--	35
114A	114AD	50	95	190	54	290	50	--	35

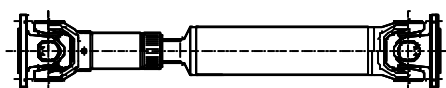


TRANSMISIONES CARDAN



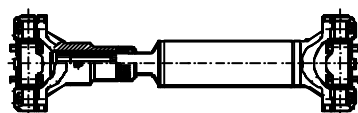
Transmisiones cardan

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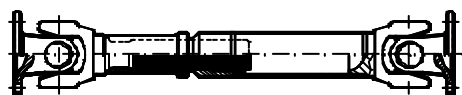
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Transmisiones con puente central	Midship Shafts	8
Transmisiones con dos juntas fijas	Drive Shafts with two fixed joints	9
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J O C A R

Transmisiones SAE con acoplamientos SAE

SAE Drive shafts with SAE Flanges fitting

J O C A R

SERIE LIGERAS - LIGHT SERIES

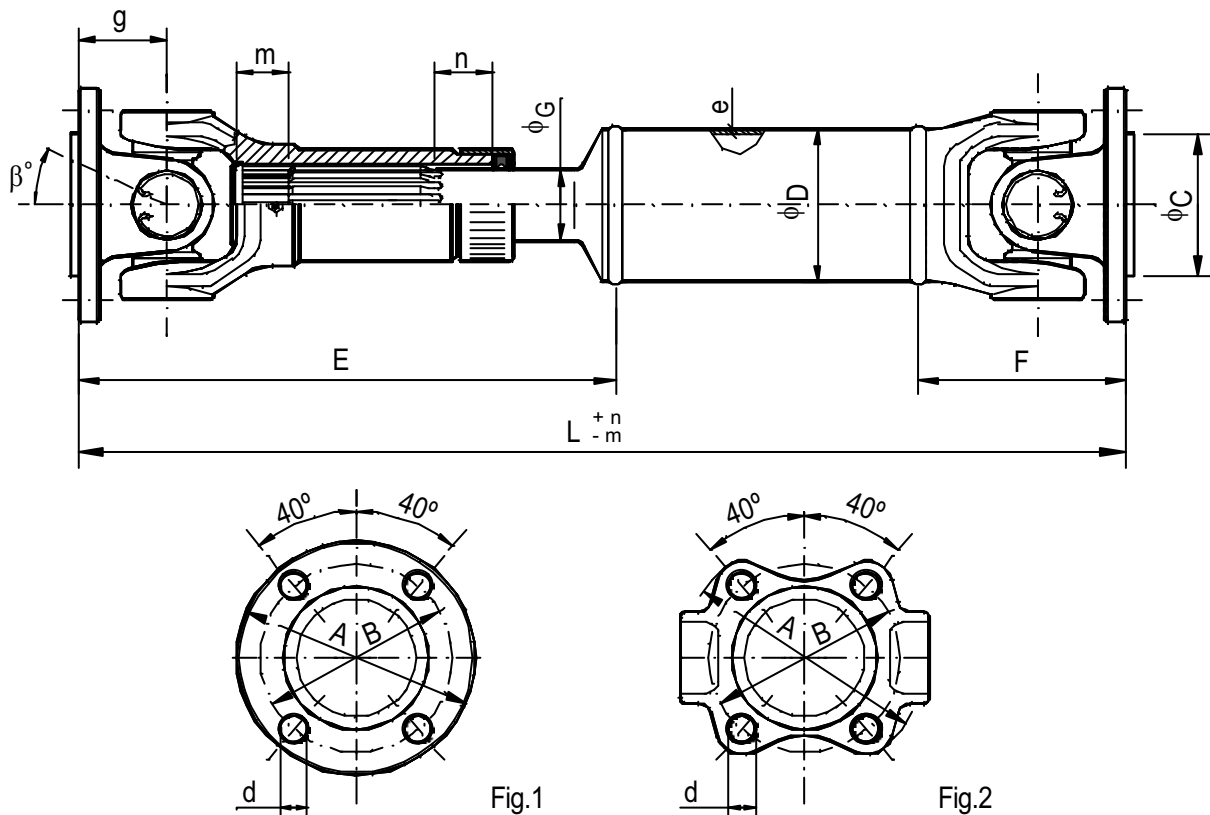


Fig.1

Fig.2

Rec = Recorrido - Slip movement

SERIE SERIES	REFERENCIA PART NUMBER	E	F	Rec + n - m	D x e	G	Fig	A	B	C	d	g	bº max.	
0500	1999.32-T.L CDR	160	69	+ - 18	32,0x3,5	22,8	1	77	60,32	44,45	6,5	27,0	18	
	1999.45-T.L CDR		79		45,0x2,5									
1.100	2001.51-T.L CDR	177	67	+ - 20	50,8x2,4	22,8	1	88	69,87	57,15	8,2	30,2	18	
	2001.57-T.L CDR		72		57,1x2,6									
1.300	2003.51-T.L CDR	228	78,5	+ - 26	50,8x2,4	29,2	1	97	79,39	60,32	10,2	34,9	18	
	2003.63-T.L CDR				63,5x2,5									
	2003.76-T.L CDR				76,1x2,5									
	2003.1.51-T.L CDR				50,8x2,4						9,75			
	2003.1.63-T.L CDR				63,5x2,5									
	2003.1.76-T.L CDR				76,1x2,5									
1.310	2015.51-T.L CDR	228	80	+ - 26	50,8x2,4	29,2	1	97	79,39	60,32	10,2	34,9	20	
	2015.63-T.L CDR		84		63,5x2,5									
	2015.1.51-T.L CDR		80		50,8x2,4						9,75			
	2015.1.63-T.L CDR		84		63,5x2,5									
	2015A.51-T.L CDR	258	86,5	+ - 30	50,8x2,4		2				10,2	41,3	30	
	2015A.63-T.L CDR		90,5		63,5x2,5									
	2015A.1.51-T.L CDR		86,5		50,8x2,4						9,75			
	2015A.1.63-T.L CDR		90,5		63,5x2,5									

- PARA OBTENER LA REFERENCIA COMPLETA, SUSTITUIR LA "L" POR LA LONGITUD EN POSICIÓN DE TRABAJO EN mm. SI LA LONGITUD ES CERRADA, ELIMINAR LA "CDR" FINAL.

J O C A R

Transmisiones SAE con acoplamientos SAE

SAE Drive shafts with SAE Flanges fitting

J O C A R

SERIES MEDIAS - MEDIUM SERIES

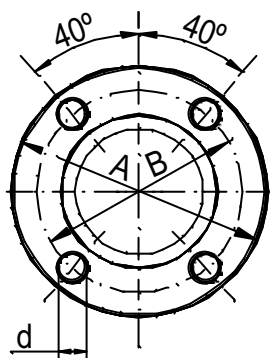
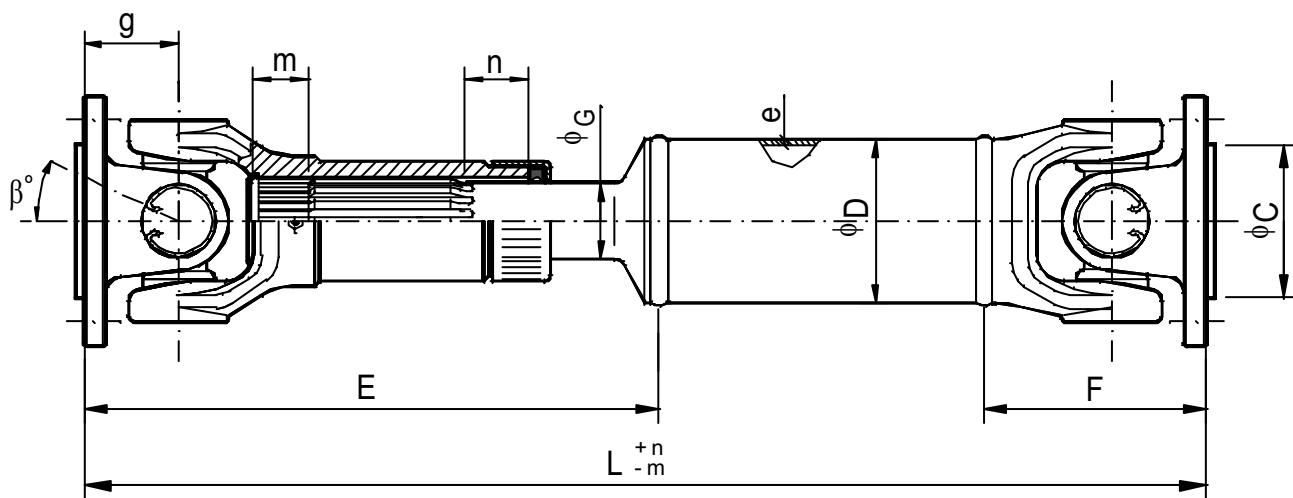


Fig.1

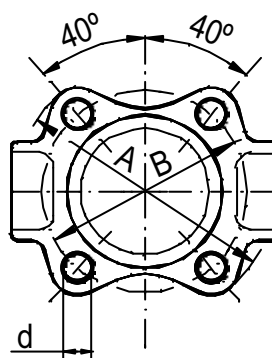


Fig.2

Rec = Recorrido - Slip movement

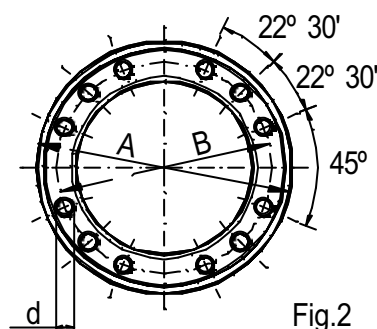
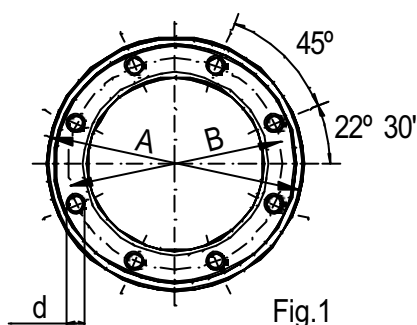
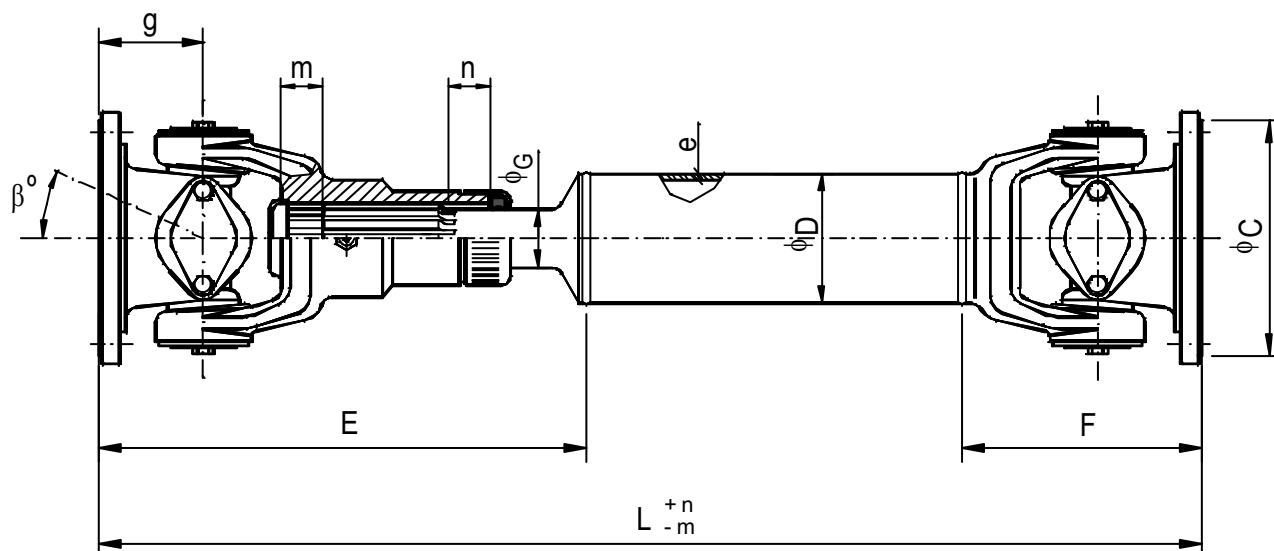
SERIE SERIES	REFERENCIA PART NUMBER	E	F	Rec + n - m	D x e	G	Fig	A	B	C	d	g	β° max.
1.350	2004.63-T.L CDR	244	97	+ - 26	63,5x2,5	32	2	118	95,27	69,85	11,2	39,7	20
	2004.76-T.L CDR				76,1x2,5								
	2004.2.63-T.L CDR				63,5x2,5						12,1		
	2004.2.76-T.L CDR				76,1x2,5								
	2004A.63-T.L CDR	274	127		63,5x2,5	1	11,2	70,0	28				
	2004A.76-T.L CDR				76,1x2,5								
1.410	2005.63-T.L CDR	262	103	+ - 28	63,5x2,5	32	2	118	95,27	69,85	11,2	42,9	20
	2005.76-T.L CDR		98		76,1x2,5								
	2005.2.63-T.L CDR		103		63,5x2,5						12,1		
	2005.2.76-T.L CDR		98		76,1x2,5								
1.480	2048.90-T.L CDR	276	103	+ - 28	90,0x3,0	37	2	146	120,67	95,25	12,8	51,5	20
1.510	2006.76-T.L CDR	290	134,5	+ - 27	76,1x2,5	37	1	146	120,67	95,25	12,8	63,5	22
	2006.90-T L CDR	297			90,0x3,0								
	2006.2.76-T.L CDR	290			76,1x2,5						14,1		
	2006.2.90-T.L CDR	297			90,0x3,0								

J O C A R

Transmisiones SAE con acoplamientos SAE SAE Driveshafts with SAE Flanges fitting

J O C A R

SERIES PESADAS – HEAVY SERIES



Rec = Recorrido - Slip - Coulissement

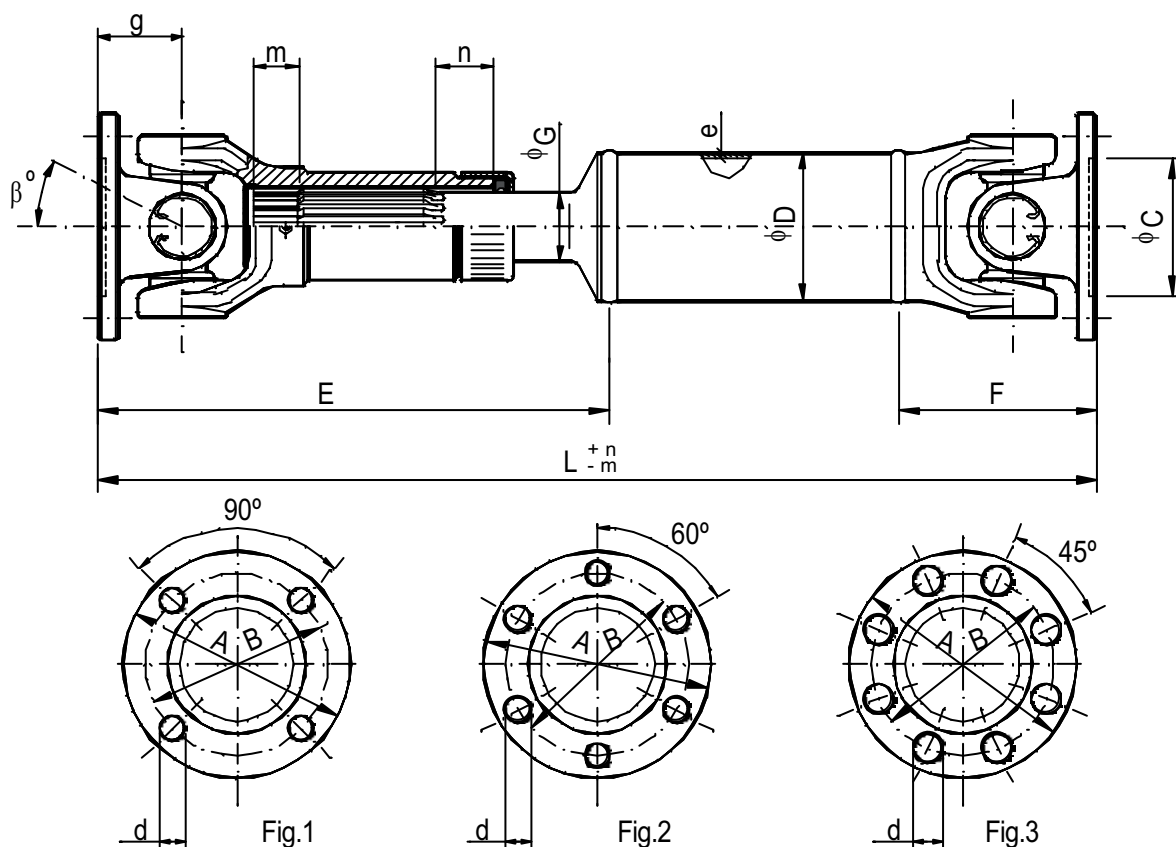
SERIE SERIES	REFERENCIA PART NUMBER	E	F	Rec + n - m	D x e	G	Fig	A	B	C	d	g	β° max.
1.610	2007.90-T.L CDR	339	155	+ - 30	90 x 5	42	1	175	155,5	168,2	10,1	69,8	22
	2007R.90-T.L CDR	410		+ - 50							9,75		
	2007.1.90-T.L CDR	339		+ - 30									
	2007R.1.90-T.L CDR	410		+ - 50									
1.710	2008.90-T.L CDR	404	176	+ - 40	90 x 5	51	1	203	184,1	196,9	10,1	76,2	30
	2008.1.90-T.L CDR						2				9,75		
	2008.12.90-T.L CDR										10,1		
	2008.12.1.90-T.L CDR										11,2		
	2008M.90-T.L CDR	442		+ - 50			1				10,1		
	2008M.1.90-T.L CDR						9,75						
	2008M.12.90-T.L CDR						10,1						
	2008M.12.1.90-T.L CDR						11,2						
1.800	2009.110-T.L CDR	445	174	+ - 45	110 x 6	61	2	203	184,1	196,9	11,2	82,0	20

- PARA OBTENER LA REFERENCIA COMPLETA, SUSTITUIR LA "L" POR LA LONGITUD EN POSICIÓN DE TRABAJO EN mm. SI LA LONGITUD ES CERRADA, ELIMINAR LA "CDR" FINAL.

JOCAR

Transmisiones SAE con acoplamientos DIN SAE Drive shafts with DIN Flanges fitting

JOCAR



Rec = Recorrido - Slip movement

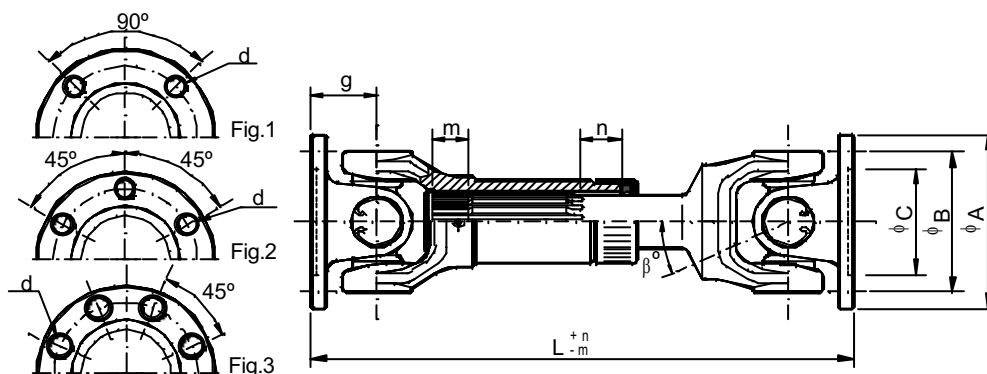
SERIE SERIES	REFERENCIA PART NUMBER	E	F	Rec + n - m	D x e	G	Fig	A	B	C	d	g	□° max.
0500	1999D1.32-T.L CDR	171	80	+ - 18	32x3,5	22,8	1	58	47	30	5,1	38,5	18
	1999D2.32-T.L CDR							65	52	35	6,1		
	1999D3.32-T.L CDR						2	75	62	42	6,1		
1.100	2001D.51-T.L CDR	198	75,5	+ - 20	50,8x2,4	22,8	2	75	62	42	6,1	38,5	18
	2001D.57-T.L CDR		80,5		57,1x2,6								
1.310	2015D.51-T.L CDR	243	95	+ - 26	50,8x2,4	29,2	1	90	74,5	47	8,1	50	20
	2015D.63-T.L CDR		99		63,5x2,5								
	2015D4.51-T.L CDR	246	98		50,8x2,4		2	100	84	57	8,1	53	
	2015D4.63-T.L CDR		102		63,5x2,5								
1.350	2004D.63-T.L CDR	259	112	+ - 26	63,5x2,5	32	2	100	84	57	8,1	55	25
	2004D.76-T.L CDR				76,1x2,5								
1.410	2005D.63-T.L CDR	275	116	+ - 28	63,5x2,5	32	3	120	101,5	75	10,1	56	20
	2005D.76-T.L CDR		111		76,1x2,5								
1.480	2048D.90-T.L CDR	290	116,5	+ - 28	90,0x3,0	32	3	120	101,5	75	10,1	65	22
1.510	2006D.76-T.L CDR	301	146	+ - 27	76,1x2,5	37	3	120	101,5	75	10,1	75	22
	2006D.90-T.L CDR	308			90,0x3,0								
1.550	2055D.90-T.L CDR	320	135	+ - 32	90,0x5,0	37	3	150	130	90	12,1	80	25
1.610	2007D.90-T.L CDR	355	172	+ - 30	90,0x5,0	42	3	150	130	90	12,1	87	22
1.710	2008D.90-T.L CDR	414	186,5	+ - 40	90,0x5,0	51	3	180	155,5	110	14,1	86,5	25

- PARA OBTENER LA REFERENCIA COMPLETA, SUSTITUIR LA "L" POR LA LONGITUD EN POSICIÓN DE TRABAJO EN mm. SI LA LONGITUD ES CERRADA, ELIMINAR LA "CDR" FINAL.
- FOR OBTAINING THE COMPLETE REFERENCE, SUBSTITUTE THE "L" BY THE WORKING LENGTH IN mm. IF THE LENGTH IS CLOSED ELIMINATE THE "CDR" OF THE END.

JOCAR

Cardancillos SAE con acoplamientos DIN SAE Short Coupled Shafts with DIN flanges fitting

JOCAR



Rec = Recorrido - Slip movement

SERIE SERIES	REFERENCIA PART NUMBER	L	Rec + n - m	Fig	A	B	C	d	g	β° max.
0500	1999D1-T.221 CDR	221	+ - 10	1	58	47	30	5,1	38,5	18
	1999D1-T.230 CDR	230								
	1999D2-T.221 CDR	221			65	52	35	6,1		
	1999D2-T.230 CDR	230								
	1999D3-T.221 CDR	221		2	75	62	42	6,1		
	1999D3-T.230 CDR	230								
1.100	2001D1-T.203 CDR	203	+ - 10	2	75	62	42	6,1	38,5	18
	2001D1-T.225 CDR	225	+ - 14							
	2001D1-T.245 CDR	245								
1.310	2015D-T.263 CDR	263	+ - 13	1	90	74,5	47	8,1	50	20
	2015D-T.289 CDR	289	+ - 22							
	2015D-T.312 CDR	312								
	2015D-T.325 CDR	325	+ - 27							
	2015D-T.352 CDR	352	+ - 32							
	2015D-T.361 CDR	361	+ - 36							
	2015D4-T.269 CDR	269	+ - 13	2	100	84	57	8,1	53	20
	2015D4-T.295 CDR	295	+ - 22							
	2015D4-T.318 CDR	318								
	2015D4-T.331 CDR	331	+ - 27							
	2015D4-T.358 CDR	358	+ - 32							
	2015D4-T.367 CDR	367	+ - 36							
1.350	2004D-T.316 CDR	316	+ - 16	2	100	84	57	8,1	55	20
	2004D-T.332 CDR	332	+ - 18							
	2004D-T.348 CDR	348								
	2004D-T.357 CDR	357	+ - 25							
1.410	2005D-T.274 CDR	274	+ - 10	3	120	101,5	75	10,1 - 8,1	56	20
	2005D-T.280 CDR	280								
	2005D-T.303 CDR	303	+ - 18							
	2005D-T.359 CDR	359	+ - 25							
1.510	2006D-T.351 CDR	351	+ - 15	3	120	101,5	75	10,1	75	22
	2006D-T.363 CDR	363								
	2006D-T.408 CDR	408								
1.610	2037D	333	+ - 9	3	150	130	90	12,1	87	8
	2007D-T.434 CDR	434	+ - 20							22
	2007D-T.480 CDR	480								
1.710	2038D.1	351	+ - 13	3	180	155,5	110	14,1	86,5	8
	2038D.2	379								

JOCAR	Transmisiones SAE con puente central SAE Midship Shafts	JOCAR
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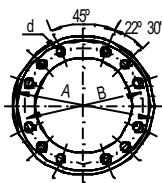


Fig.4

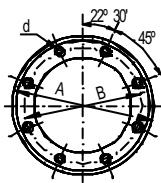


Fig.3

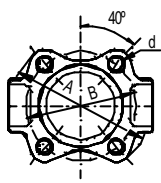


Fig.2

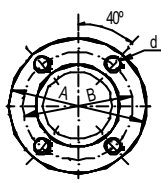


Fig.1

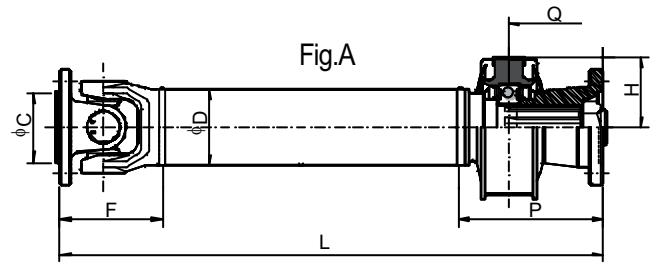


Fig.A

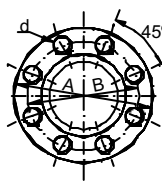


Fig.3

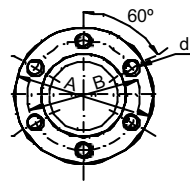


Fig.2

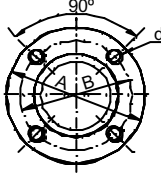


Fig.1

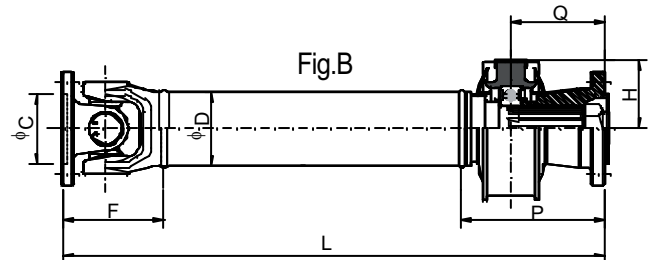


Fig.B

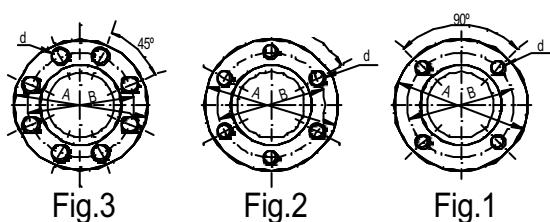
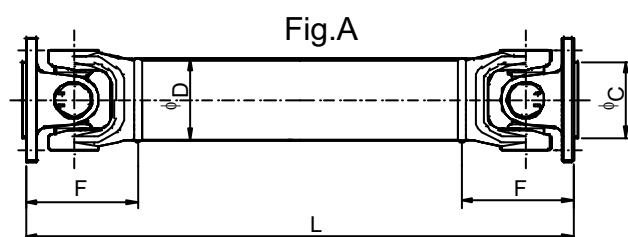
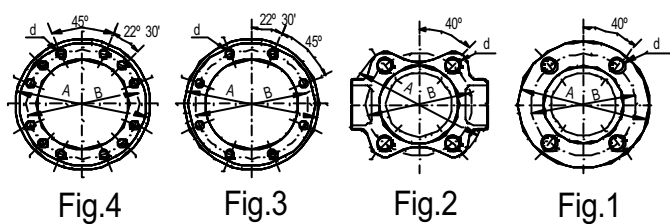
SERIE SERIES	REFERENCIA PART NUMBER	Fig	D	F	P	Q	H	A	B	C	d
1.100	2001.51-TFPC.L	A-1	50,8	67,0	119	78	57,2	88	69,87	57,15	8,2
	2001.57-TFPC.L		57,1	72,0							
	2001D.51-TFPC.L	B-2	50,8	75,5				75	62,00	42,00	6,1
	2001D.57-TFPC.L		57,1	85,5							
1.300	2003.51-TFPC.L	A-1	50,8	78,5	111	70,5	57,2	97	79,39	60,32	10,2 - 9,75
	2003.63-TFPC.L		63,5								
	2003.76-TFPC.L		76								
1.310	2015.51-TFPC.L	A-1	50,8	80,0	111	70,5	57,2	97	79,39	60,32	10,2 - 9,75
	2015.63-TFPC.L		63,5	84,0							
	2015D4.51-TFPC.L	B-2	50,8	98,0				100	84,0	57,0	8,1
	2015D4.63-TFPC.L		63,5	102,0							
1.350	2004.63-TFPC.L	A-2	63,5	97,0	125	81,5	62,5	118	95,27	69,85	11,2 - 12,1
	2004.76-TFPC.L		76,1								
	2004D.63-TFPC.L	B-2	63,5	112,0	119	74		100	84,0	57,0	8,1
	2004D.76-TFPC.L		76,1								
1.410	2005.63-TFPC.L	A-2	63,5	103,0	125	81,5	62,5	118	95,27	69,85	11,2 - 12,1
	2005.76-TFPC.L		76,1	98,0							
	2005D.63-TFPC.L	B-3	63,5	116,0				120	101,5	75,0	10,1
	2005D.76-TFPC.L		76,1	111,0							
1.510	2006.76-TFPC.L	A-1	76,1	134,5	130	85,5	69,1	146	120,67	95,25	12,8 - 14,1
	2006.90-TFPC.L		90,0								
	2006D.76-TFPC.L	B-3	76,1	146,0	127	82,5		120	101,5	75,0	10,1
	2006D.90-TFPC.L		90,0								
1.610	2007.90-TFPC.L	A-3	90,0	155,0	136	94,5	69,1	175	155,5	168,2	10,1 - 9,75
	2007D.90-TFPC.L	B-3		172,0				150	130,0	90,0	12,1
1.710	2008.90-TFPC.L	A-3	90,0	176,0	156	110	71,5	203	184,1	196,9	10,1 - 9,75
	2008.12.90-TFPC.L	A-4									10,1 - 11,1
	2008D.90-TFPC.L	B-3		186,5				180	155,5	110,0	14,1

JOCAR

Transmisiones SAE con dos juntas fijas

SAE Drive shafts with two fixed joints

JOCAR



SERIE SERIES	REFERENCIA PART NUMBER	Fig	D	F	A	B	C	d
1.100	2001.51-TF.L	A-1	51	67,0	88	69,87	57,15	8,2
	2001.57-TF.L		57	72,0				
	2001D.51-TF.L	B-2	51	75,5				6,1
	2001D.57-TF.L		57	80,5				
1.300	2003.51-TF.L	A-1	51	78,5	97	79,39	60,32	10,2 - 9,75
	2003.63-TF.L		63					
	2003.76-TF.L		76					
1.310	2015.51-TF.L	A-1	51	80,0	97	79,39	60,32	10,2 - 9,75
	2015.63-TF.L		63	84,0				
	2015D.51-TF.L	B-1	51	95,0	90	74,50	47,00	8,1
	2015D.63-TF.L		63	99,0				
	2015D4.51-TF.L	B-2	51	98,0	100	84,0	57,0	8,1
	2015D4.63-TF.L		63	102,0				
1.350	2004.63-TF.L	A-2	63	97,0	118	95,27	69,85	11,2 - 12,1
	2004.76-TF.L		76					
	2004D.63-TF.L	B-2	63	112,0				8,1
	2004D.76-TF.L		76					
1.410	2005.63-TF.L	A-2	63	103,0	118	95,27	69,85	11,2 - 12,1
	2005.76-TF.L		76	98,0				
	2005D.63-TF.L	B-3	63	116,0				10,1
	2005D.76-TF.L		76	111,0				
1.510	2006.76-TF.L	A-1	76	134,5	146	120,67	95,25	12,8 - 14,1
	2006.90-TF.L		90					
	2006D.76-TF.L	B-3	76	146,0				10,1
	2006D.90-TF.L		90					
1.610	2007.90-TF.L	A-3	90	155,0	175	155,5	168,2	10,1 - 9,75
	2007D.90-TF.L	B-3		172,0	150	130,0	90,0	12,1
1.710	2008.90-TF.L	A-3	90	176	203	184,1	196,9	10,1 - 9,75
	2008.12.90-TF.L	A-4						10,1 - 11,1
	2008D.90-TF.L	B-3						14,1
1.800	2009.110-TF.L	A-4	110	178,0	203	184,1	196,9	11,1

JOCAR

Juntas correderas SAE con acoplamientos SAE SAE Slip Joints with SAE Flange fitting

JOCAR

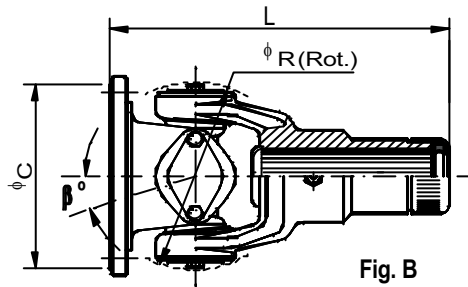


Fig. B

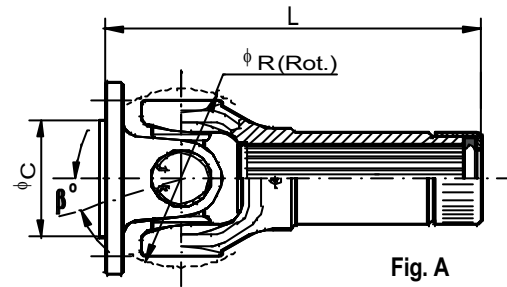


Fig. A

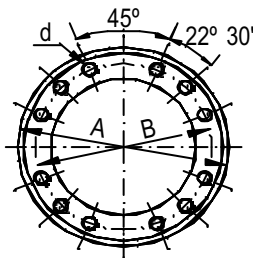


Fig. 4

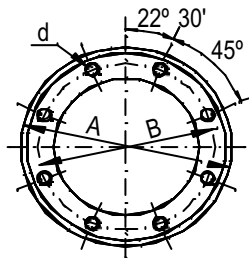


Fig. 3

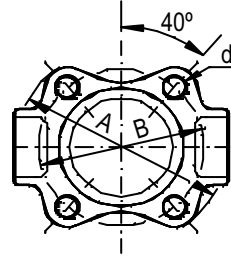


Fig. 2

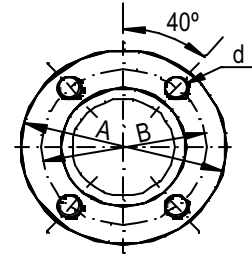


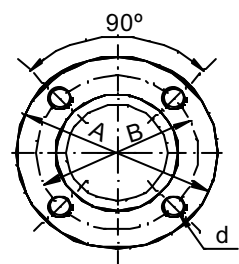
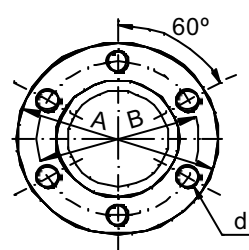
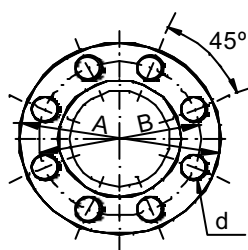
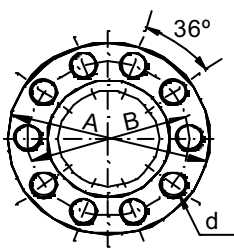
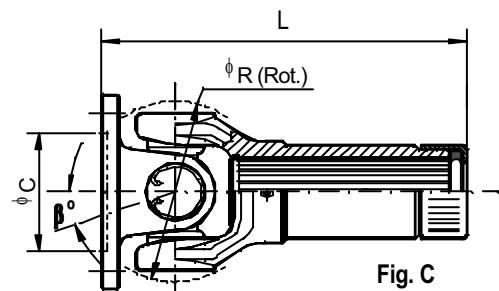
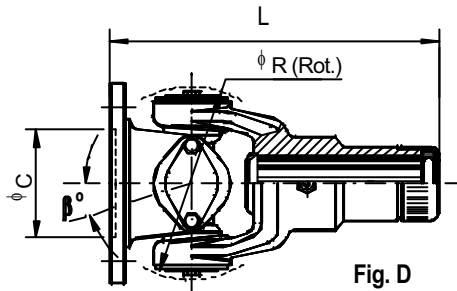
Fig. 1

SERIE SERIES	REFERENCIA PART NUMBER	Fig	A	B	C	d	L	R	β° max.				
0500	1999-C	A - 1	77,0	60,3	44,4	6,5	136	65	18				
1.100	2001-C	A - 1	88,0	69,9	57,1	8,1	150	76	18				
1.300	2003.1-C	A - 1	97,0	79,4	60,3	9,7	181	92	18				
	2003-C					10,2							
1.310	2015.1R-C	A - 1	88,0	69,9	57,1	8,1	194	97	20				
	2015.1-C						97,0			79,4	60,3	9,7	182
	2015-C						10,2						
	2015A.1-C	A - 2				9,7	216		30				
	2015A-C			10,2									
	2015R70-C	A - 1		10,2	200		20						
	2015.5-C	A - 2	118,0	95,3	69,9	11,2	182						
1.350	2004.3-C	A - 1	97,0	79,4	60,3	10,2	212	114	20				
	2004-C	A - 2					118,0			95,3	69,9	11,2	197
	2004.2-C						12,1						
	2004A-C	A - 1					11,2		227		28		
1.410	2005-C	A - 2	118,0	95,3	69,9	11,2	219	122	20				
	2005.2-C					12,1							
1.480	2048-C	A - 2	146,0	120,7	95,2	12,8	233	122	22				
1.510	2006-C	A - 1	146,0	120,7	95,2	12,8	245	136	22				
	2006.2-C					14,1							
1.610	2007.1-C	B - 3	174,6	155,5	168,2	9,7	277	160	22				
	2007-C					10,2							
1.710	2008.1-C	B - 3	203,2	184,1	196,8	9,7	339	200	30				
	2008-C						10,2						
	2008M-C						10,2			368			
	2008.12-C	B - 4					11,2			339			
1.760	2076-C	B - 4	203,2	184,1	196,8	11,2	320	205	30				
	2076-CL					11,2	368						
1.800	2009.10-C	B - 4	203,2	184,1	196,8	11,2	404	205	20				
	2009A.10-C						11,2			408			
	2009.16-C						11,2			422			
	2009A.16-C						11,2			426			
1.810	2081-C	B - 4	203,2	184,1	196,8	11,2	346	217	20				
	2081-CL						11,2			387			

JOCAR

Juntas correderas SAE con acoplamientos DIN SAE Slip Joints with DIN Flange fitting

JOCAR



SERIE SERIES	REFERENCIA PART NUMBER	Fig	A	B	C	d	L	R	β° max.
0500	1999D1-C	C - 5	58	47,0	30,0	5,1	147	65	18
	1999D2-C		65	52,0	35,0	6,1			
	1999D3-C	C - 6	75	62,0	42,0				
1.100	2001D1-C	C - 6	75	62,0	42,0	6,1	158	76	18
	2001D2-C	C - 5	90	74,5	47,0	8,1	160		
1.300	2003D-C	C - 5	90	74,5	47,0	8,1	194	92	20
	2003.1D-C	C - 6							
1.310	2015D-C	C - 5	90	74,5	47,0	8,1	197	97	20
	2015.1D-C	C - 6							
	2015D4-C	C - 6	100	84,0	57,0	8,1	200		
	2015DM-C	C - 7							
	2015D5-C		120	101,5	75,0	10,1			
1.350	2004D-C	C - 6	100	84,0	57,0	8,1	212	114	20
	2004D5-C	C - 7	120	101,5	75,0	10,1	227		
1.410	2005D-C	C - 7	120	101,5	75,0	10,1	232	122	20
	2005.1D-C					8,1			
1.480	2048D-C	C - 7	120	101,5	75,0	10,1	247	122	22
1.510	2006D-C	C - 7	120	101,5	75,0	10,1	257	136	22
	2006D7-C		150	130,0	90,0	12,1			
1.550	2055D-SC	C - 7	150	130,0	90,0	12,1	270	143	25
1.610	2007D-C	D - 7	150	130,0	90,0	12,1	294	160	22
1.710	2008D-C	D - 7	180	155,5	110,0	14,1	346	200	30
	2008D10-C	D - 8				16,1			
1.760	2076D-C	D - 7	180	155,5	110,0	16,1	343	205	30
	2076D10-C	D - 8							
1.800	2009D-C	D - 7	180	155,5	110,0	14,1	436	205	20
	2009D10-C	D - 8				16,1			
1.810	2081D-C	D - 7	180	155,5	110,0	16,1	352	217	20
	2081D10-C	D - 8							

JO CAR

Juntas fijas SAE con acoplamientos SAE

SAE Fixed Joints with SAE Flange fitting

JO CAR

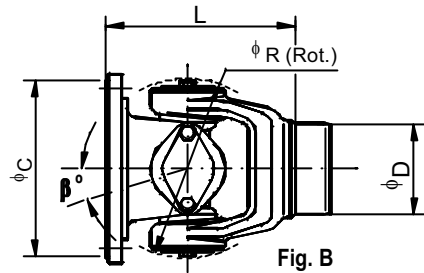


Fig. B

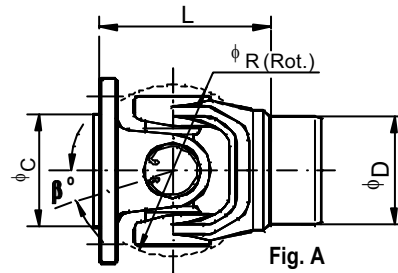


Fig. A

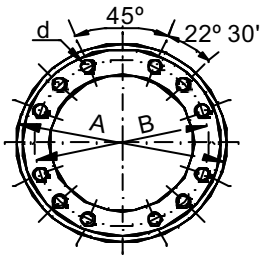


Fig. 4

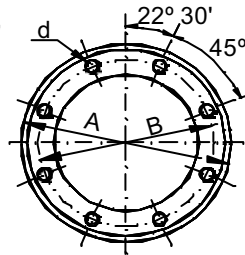


Fig. 3

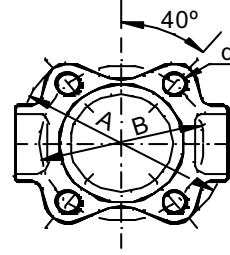


Fig. 2

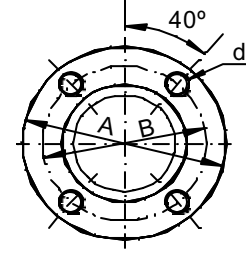


Fig. 1

SERIE SERIES	REFERENCIA PART NUMBER	Fig	A	B	C	d	L	D	R	β° max
0500	1999-F.32	A - 1	77,0	60,3	44,4	6,5	69,0	26,7	65	18
	1999-F.45						79,0	43,0		
1.100	2001-F.51	A - 1	88,0	69,9	57,1	8,1	67,0	46,2	76	18
	2001-F.57						72,0	53,0		
1.300	2003.1-F.51.1	A - 1	97,0	79,4	60,3	9,7	78,5	47,7	92	18
	2003-F.51					10,2		46,2		
	2003-F.63							58,6		
	2003-F.76							71,2		
1.310	2015.1-F.51.1	A - 1	97,0	79,4	60,3	9,7	80,0	47,7	97	20
	2015-F.51	10,2				46,2				
	2015.1A-F.51	A - 2				9,7	86,5			30
	2015A-F.51	10,2								
	2015-F.63	A - 1				84,0	58,6	20		
1.350	2004-F.63	A - 2	118,0	95,3	69,9	11,2	97,0	58,6	114	20
	2004.2.-F.63					12,1				
	2004-F.76					11,2		71,2		
	2004A-F.63	A - 1				127,0	58,6	29		
1.410	2005-F.63	A - 2	118,0	95,3	69,9	11,2	103,0	58,6	122	20
	2005-F.76						98,0	71,2		
	2005.2-F.76					12,1				
1.480	2048-F.90	A - 2	146,0	120,7	95,2	12,8	103,0	85,0	122	20
1.510	2006-F.76	A - 1	146,0	120,7	95,2	12,8	134,5	71,6	136	22
	2006.2-F.76					14,1				
	2006-F.90					12,8		84,3		
	2006.2-F.90					14,1				
1.610	2007.1-F.90	B - 3	174,6	155,5	168,2	9,7	155,0	84,5	160	22
	2007-F.90					10,2				
1.710	2008.1-F.90	B - 3	203,2	184,1	196,8	9,7	176,0	83,2	200	30
	2008-F.90					10,2				
	2008.12-F.90	B - 4				11,2				
1.760	2076-F.102	B - 4	203,2	184,1	196,8	11,2	161,0	94,9	205	20
1.800	2009-F.90	B - 4	203,2	184,1	196,8	11,2	174,0	80,0	205	20
1.810	2081-F.114	B - 4	203,2	184,1	196,8	11,2	171,5	101,7	217	20

Juntas fijas SAE con acoplamientos DIN

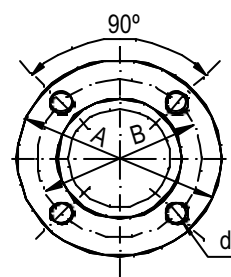
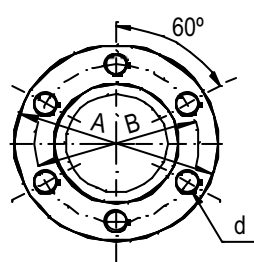
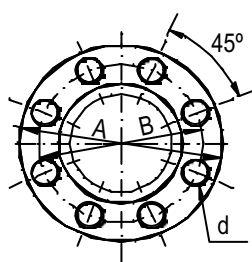
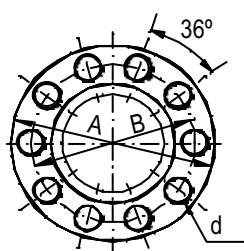
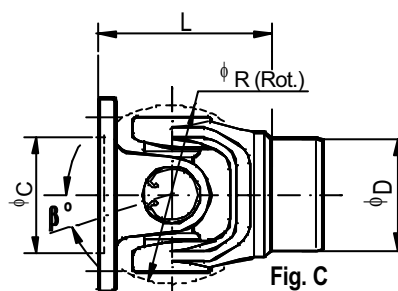
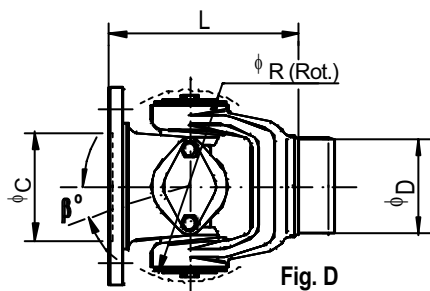


Fig. 8

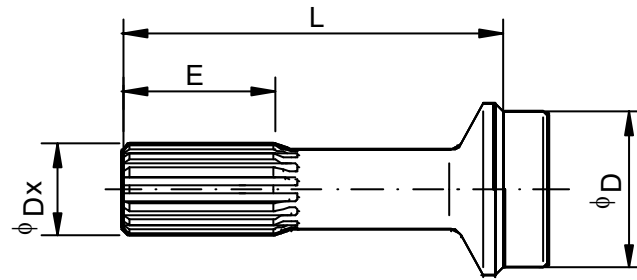
Fig. 7

Fig. 6

Fig. 5

SERIE SERIES	REFERENCIA PART NUMBER	Fig	A	B	C	d	L	D	R	β° max	
0500	1999D1-F.32	C - 5	58	47,0	30,0	5,1	80,0	26,7	65	18	
	1999D2-F.32		65	52,0	35,0	6,1					
	1999D3-F.45	C - 6	75	62,0	42,0	6,1	90,0	43,0			
1.100	2001D1-F.51	C - 6	75	62,0	42,0	6,1	75,5	46,2	76	18	
	2001D2-F.51	C - 5	90	74,5	47,0	8,1	77,0				
1.300	2003D-F.51	C - 5	90	74,5	47,0	8,1	91,5	46,2	92	18	
	2003.1D-F.51	C - 6									
1.310	2015D-F.51	C - 5	90	74,5	47,0	8,1	95,0	46,2	97	20	
	2015D-F.63						99,0	58,6			
	2015.1D-F.51	C - 6					95,0	46,2			
	2015D4-F.51	C - 6	100	84,0	57,0	8,1	98,0	46,2		20	
	2015D4-F.63						102,0	58,6			
	2015DM-F.51	C - 7						98,0			46,2
	2015D5-F.63						120	101,5			75,0
1.350	2004D-F.63	C - 6	100	84,0	57,0	8,1	112,0	58,6	114	20	
	2004D-F.76						71,2				
	2004D5-F.63	C - 7	120	101,5	75,0	10,1	127,0	58,6			
1.410	2005D-F.76	C - 7	120	101,5	75,0	10,1	111,0	71,2	122	20	
	2005.1D-F.76					8,1					
1.480	2048D-F.90	C - 7	120	101,5	75,0	10,1	116,5	85,0	122	20	
1.510	2006D-F.76	C - 7	120	101,5	75,0	10,1	146,0	71,6	136	22	
	2006D-F.90						84,3				
1.550	2055D-F.90	C - 7	150	130,0	90,0	12,1	135,0	84,3	143	25	
1.610	2007D-F.90	D - 7	150	130,0	90,0	12,1	172,0	84,5	160	22	
1.710	2008D-F.90	D - 7	180	155,5	110,0	14,1	186,5	83,2	200	30	
1.760	2076D-F.102	D - 7	180	155,5	110,0	16,1	184,0	94,9	205	20	
	2076D10-F.102	D - 8									
1.800	2009D-F.90	D - 7	180	155,5	110,0	14,1	206,0	80,0	205	20	
	2009D10-F.90	D - 8				16,1					
1.810	2081D-F.114	D - 7	180	155,5	110,0	16,1	178,0	101,7	217	20	
	2081D10-F.114	D - 8									

JOCAR	Barrones correderos SAE Slip Stub Shafts SAE	JOCAR
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SERIE SERIES	REFERENCIA PART NUMBER	^f D x N°	L	E	D
0500	1999-B.32	SAE 1 1/16" Z-16	87	34	26,7
	1999-B.45				43,0
1.100	2001-B.51	SAE 1 1/16" Z-16	104	44	46,2
	2001-B.57				53,0
1.300	2003-B.51.1	SAE 1 3/8" Z-16	141	55	47,7
	2003-B.51				46,2
	2003-B.63.1				59,0
	2003-B.63				58,6
	2003-B.76				71,2
1.310	2015-B.51.1	SAE 1 3/8" Z-16	141	55	47,7
	2015-B.51				46,2
	2015R-B.51		160		
	2015-B.63.1		141		59,0
	2015-B.63				58,6
	2015-B.76.1				73,3
	2015-B.76				71,2
	1.350		2004-B.63.1		SAE 1 1/2" Z-16
2004-B.63			58,6		
2004-B.76.1		145	61	73,3	
2004-B.76.2			71,6		
2004-B.76			71,2		
1.410	2005-B.63.1	SAE 1 1/2" Z-16	147	63	59,0
	2005-B.63			58,6	
	2005-B.76.2		160	76	71,6
	2005-B.76			71,2	
	2005-B.90.0			84,3	
1.480	2048-B.90	SAE 1 3/4" Z-16	163	75	84,3
1.510	2006-B.76.2	SAE 1 3/4" Z-16	163	75	71,6
	2006-B.76				71,2
	2006-B.90				84,3
1.550	2055-B.90R	SAE 1 3/4" Z-16	163	75	84,3
	2055M-B.90R	Ev. 46 Z-28	248	76	
	2055R-B.90R	SAE 1 3/4" Z-16	259	82	81,4
1.610	2007-B.90	SAE 2" Z-16	197	90	84,5
	2007R-B.90		229		83,2
1.710	2008-B.90	SAE 2 1/2" Z-10	210	98	83,2
	2008M-B.90		238		
1.760	2076-B.102R	SAE 2 1/2" Z-16	235	102	95,2
	2076-BL.102R		268		
1.800	2009.10-B.90	SAE 3" Z-10	233	111	80,0
	2009.16-B.90	SAE2 1/2" Z-16	245		
1.810	2081-B.114	SAE 3" Z-16	250	113	101,7
	2081-BL.114		286		

JOCAR	Cruces de Cardan SAE Universal Joints SAE	JOCAR
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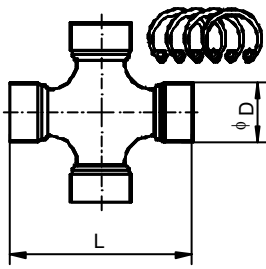


Fig. 1

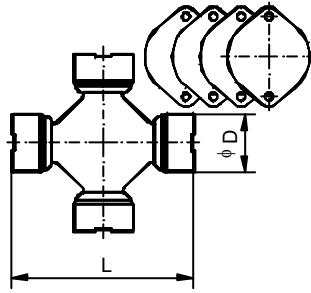


Fig. 2

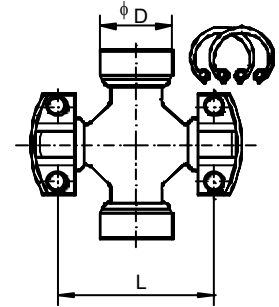


Fig. 3

SERIE SERIES	REFERENCIA PART NUMBER	Fig	D	L	CARACTERÍSTICAS CHARACTERISTICS
0500	1999-CR	1	19,1	51,9	ENGRASADOR CENTRAL-CENTRAL NIPPLE
1100	2001-CR	1	23,8	61,2	ENGRASADOR LATERAL-SIDE NIPPLE
	2001SE-CR				SIN ENGRASE-SEALED FOR LIFE-SANS
1210	2002SE-CR	1	27,0	61,9	(HYUNDAI) SIN ENGRASE-SEALED FOR LIFE
1300	2003-CR	1	27,0	74,6	ENGRASADOR LATERAL-SIDE NIPPLE
	2003SE-CR				SIN ENGRASE-SEALED FOR LIFE
1310	2015-CR	1	27,0	81,7	ENGRASADOR LATERAL-SIDE NIPPLE
	2015SE-CR				SIN ENGRASE-SEALED FOR LIFE
1330	2016-CR	1	27,0	92,1	ENGRASADOR LATERAL-SIDE NIPPLE
1350	2004-CR	1	30,2	92,0	ENGRASADOR LATERAL-SIDE NIPPLE
	2004SE-CR				SIN ENGRASE-SEALED FOR LIFE
1410	2005-CR	1	30,2	106,3	ENGRASADOR LATERAL-SIDE NIPPLE
1480	2048-CR	1	34,9	106,4	ENGRASADOR LATERAL-SIDE NIPPLE
	2048/50H-CR	3	34,9	88,9	COMBINACION-COMBINATION 1480/5C PERFIL ALTO-HIGH PROFILE
	2048/50L-CR				COMBINACION-COMBINATION 1480/5C PERFIL BAJO-LOW PROFILE
1510	2006-CR	1	39,7	115,9	ENGRASADOR LATERAL-SIDE NIPPLE
	2006T-CR	2			TAPAS SUELTAS-LOOSE PLATES
1550	2055-CR	1	34,9	127,0	ENGRASADOR LATERAL-SIDE NIPPLE
	2055/60H-CR	3	34,9	114,3	COMBINACION-COMBINATION 1550/6C PERFIL ALTO-HIGH PROFILE
	2055/60L-CR				COMBINACION-COMBINATION 1550/6C PERFIL BAJO-LOW PROFILE
1610	2007-CR	2	47,6	135,0	TAPAS SUELTAS-LOOSE PLATES
1630	2063-CR	1	39,7	115,9	ENGRASADOR LATERAL-SIDE NIPPLE
1650	2065-CR	1	41,3	142,5	ENGRASADOR LATERAL-SIDE NIPPLE
	2065/70-CR	3	41,3	117,5	COMBINACION-COMBINATION-COMBINATION 1650/7C
1710	2008-CR	2	49,2	154,7	TAPAS SUELTAS-LOOSE PLATES
1760	2076-CR	2	49,2	177,8	TAPAS SOLDADAS-WELDED PLATES
1800	2009-CR	2	59,0	167,5	TAPAS SUELTAS-LOOSE PLATES
1810	2081-CR	2	49,2	191,7	TAPAS SOLDADAS-WELDED PLATES
1880	2088-CR	1	55,6	205,6	ENGRASADOR LATERAL-SIDE NIPPLE
	2088T-CR	2	55,6	205,6	TAPAS SOLDADAS-WELDED PLATES
	2088/90-CR	3	55,6	168,3	COMBINACION-COMBINATION-COMBINATION 1880/9C
1900	2090-CR	2	71,5	223	TAPAS SOLDADAS-WELDED PLATES
1910	2091-CR	2	65,1	212,7	TAPAS SOLDADAS-WELDED PLATES
1950	2095-CR	1	77,8	255,1	ENGRASADOR CENTRAL-CENTRAL NIPPLE

JOCAR	Platillos SAE con acoplamiento SAE SAE Flange Yokes SAE fitting	JOCAR
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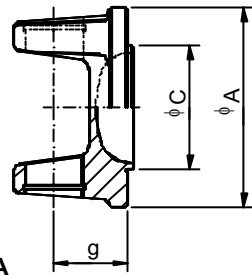


Fig. A

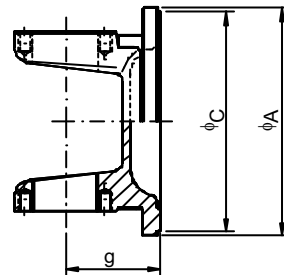


Fig. B

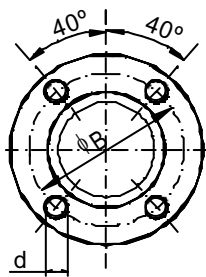


Fig.1

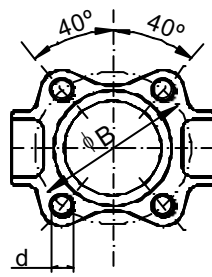


Fig. 2

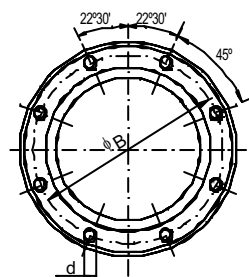


Fig. 3

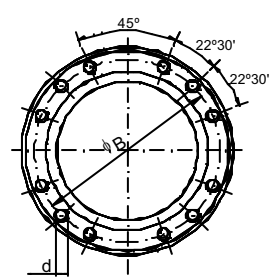


Fig. 4

SERIE SERIES	TAMAÑO DE CRUCETA UNIVERSAL JOINT SIZE	REFERENCIA PART NUMBER	Fig	A	B	C	d	TORNILLOS BOLTS	g			
0500	19,05 x 51,9	1999-SC	A - 1	77,0	60,32	44,45	6,5	4 x 1/4"	27,0			
		1999.2-SC					7,1	4 x M7				
1.100	23,8 x 61,2	2001.1-SC	A - 1	88,0	69,87	57,15	8,1	4 x 5/16"	30,2			
		2001-SC					8,2	4 x M8				
1.300	27,0 x 74,6	2003.1-SC	A - 1	97,0	79,39	60,32	9,7	4 x 3/8"	34,9			
		2003-SC					10,2	4 x M10				
1.310	27,0 x 81,7	2015.1R-SC	A - 1	88,0	69,87	57,15	8,2	4 x M8	47,0			
		2015.1-SC					97,0	79,39	60,32	9,7	4 x 3/8"	34,9
		2015-SC					10,2	4 x M10				
		2015.1A-SC	A - 2				9,7	4 x 3/8"	41,3			
		2015A-SC		10,2	4 x M10							
		2015.5-SC		118,0	95,27	69,85	11,2	4 x 7/16"	34,9			
1.350	30,18 x 92,0	2004.3-SC	A - 1	97,0	79,39	60,32	10,2	4 x M10	55,0			
		2004-SC	A - 2				118,0	95,27	69,85	11,2	4 x 7/16"	39,7
		2004.2-SC					12,1	4 x M12				
		2004A-SC	A - 1				11,2	4 x 7/16"	70			
1.410	30,18 x 106,3	2005-SC	A - 2	118,0	95,27	69,85	11,2	4 x 7/16"	42,9			
		2005.2-SC					12,1	4 X M12				
1.480	34,9 x 106,4	2048-SC	A - 2	146,0	120,67	95,25	12,8	4 x 1/2"	51,5			
1.510	39,7 x 115,9	2006-SC	A - 1	146,0	120,67	95,25	12,8	4 x 1/2"	63,5			
		2006.2-SC					14,1	4 x M14				
1.610	47,6 x 135,0	2007.1-SC	B - 3	174,6	155,52	168,2	9,7	8 x 3/8"	69,8			
		2007-SC					10,2	8x M10				
		2037.1-SC					9,7	8x 3/8"	49,0			
		2037-SC					10,2	8x M10				
1.710	49,9 x 154,7	2008.1-SC	B - 3	203,2	184,12	196,8	9,7	8 x 3/8"	76,2			
		2008-SC	10,2				8 x M10					
		2008.12-SC	B - 4				11,2	12 x 7/16"	56,0			
		2038.1-SC	B - 3				9,7	8 x 3/8"				
		2038-SC					10,2	8 x M10				
1.760	49,2 x 177,8	2076-SC	B - 4	203,2	184,12	196,8	11,2	12 x 7/16"	85,0			
1.800	59,0 x 167,5	2009-SC	B - 4	203,2	184,12	196,8	11,2	12 x 7/16"	86,0			
1.810	49,2 x 191,7	2081-SC	B - 4	203,2	184,12	196,8	11,2	12 x 7/16"	85,9			

J O C A R

Platillos SAE con acoplamiento DIN SAE Flange Yokes DIN fitting

J O C A R

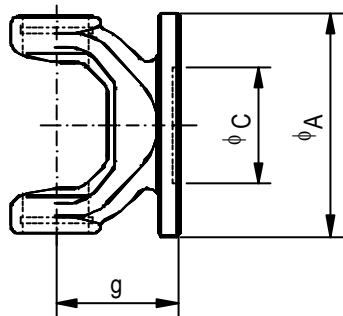


Fig. C

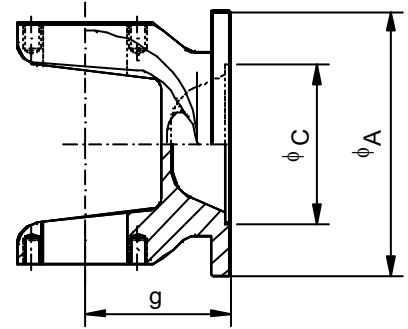


Fig. D

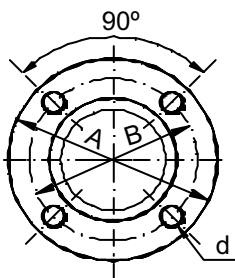


Fig. 5

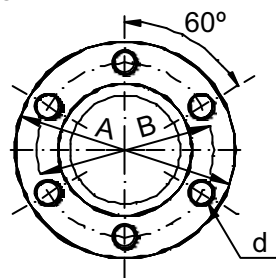


Fig. 6

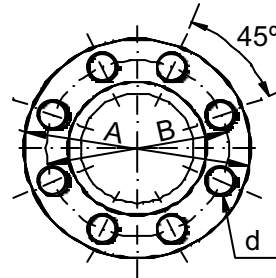


Fig. 7

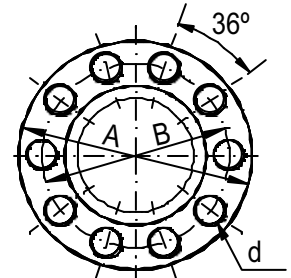


Fig. 8

SERIE SERIES	TAMAÑO DE CRUCETA UNIVERSAL JOINT SIZE	REFERENCIA PART NUMBER	Fig	A	B	C	d	TORNILLOS BOLTS	g
0500	19,05 x 51,9	1999D1-SC	C - 5	58	47,0	30,0	5,1	4 x M5	38,5
		1999D2-SC		65	52,0	35,0	6,1	4 x M6	
		1999D3-SC	C - 6	75	62,0	42,0	6,1	6 X M6	
1.100	23,8 x 61,2	2001D1-SC	C - 6	75	62,0	42,0	6,1	6 X M6	38,5
		2001D2-SC	C - 5	90	74,5	47,0	8,1	4 x M8	40,0
1.300	27,0 x 74,6	2003D-SC	C - 5	90	74,5	47,0	8,1	4 x M8	48,0
		2003DM-SC	C - 6				10,1	6 x M10	
1.310	27,0 x 81,7	2015D-SC	C - 5	90	74,5	47,0	8,1	4 x M8	50,0
		2015.1D-SC	C - 6					6 x M8	
		2015D4-SC	C - 6	100	84,0	57,0	8,1	6 x M8	53,0
		2015DM-SC	C - 7					8 x M8	
		2015D5-SC	C - 7					8 x M10	
1.350	30,18 x 92,0	2004D-SC	C - 6	100	84,0	57,0	8,1	6 x M8	55,0
		2004DM-SC	C - 7					8 x M8	
		2004D5-SC		120	101,5	75,0	10,1	8 x M10	70,0
1.410	30,18 x 106,3	2005D-SC	C - 7	120	101,5	75,0	10,1	8 x M10	56,0
		2005.1D-SC					8,1	8 x M8	
1.480	34,9 x 106,4	2048M120-SC	(C - 6)	120	101,5	82,2 (M)	10,1	6 x M10	60,0
		2048M130-SC	(C - 7)	130	112,0	82,5 (M)		8 x M10	
		2048D-SC	C - 7	120	101,5	75,0		8 x M10	
1.510	39,7 x 115,9	2006D-SC	C - 7	120	101,5	75,0	10,1	8 x M10	75,0
		2006D7-SC		150	130,0	90,0	12,1	8 x M12	
1.550	34,9 x 127,0	2055D-SC	C - 7	150	130,0	90,0	12,1	8 x M12	80,0
1.610	47,6 x 135,0	2007D-SC	D - 7	150	130,0	90,0	12,1	8 x M12	87,0
1.710	49,9 x 154,7	2008D-SC	D - 7	180	155,5	110,0	14,1	8 x M14	86,5
1.760	49,2 x 177,8	2076D-SC	D - 7	180	155,5	110,0	16,1	8 x M16	108,0
		2076D10-SC	D - 8					10 x M16	
1.800	59,0 x 167,5	2009D-SC	D - 7	180	155,5	110,0	14,1	8 x M14	114,0
		2009D10-SC	D - 8				16,1	10 x M16	
1.810	49,2 x 191,7	2081D-SC	D - 7	180	155,5	110,0	16,1	8 x M16	92,0
		2081D10-SC	D - 8					10 x M16	

JOCAR	Horquillas correderas SAE SAE Sleeve Yokes	JOCAR
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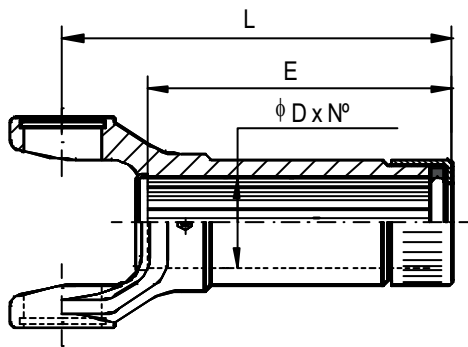


Fig. 1

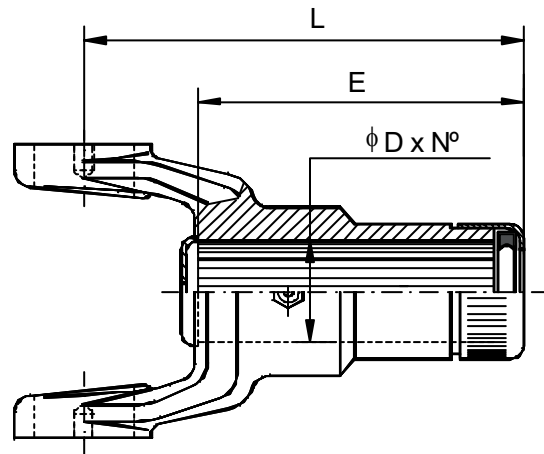


Fig. 2

SERIE SERIES	TAMAÑO DE CRUCETA UNIVERSAL JOINT SIZE	REFERENCIA PART NUMBER	Fig	L	E	D x N°
0500	19,05 x 51,9	1999-HC	1	109	82	SAE 1 1/16" Z-16
		1999.98-HC		98	69	
1.100	23,8 x 61,2	2001-HC	1	118	100	SAE 1 1/16" Z-16
		2001.82-HC		82	62	
1.300	27,0 x 74,6	2003-HC	1	146	123	SAE 1 3/8" Z-16
1.310	27,0 x 81,7	2015-HC	1	147	124	SAE 1 3/8" Z-16
		2015.123-HC		123	100	
		2015.109-HC		109	86	
		2015A.175-HC		175	139	
		2015R70-HC		165	141	
1.350	30,18 x 92,0	2004-HC	1	157	127	SAE 1 1/2" Z-16
		2004.127-HC		127	97	
1.410	30,18 x 106,3	2005-HC	1	176	150	SAE 1 1/2" Z-16
		2005.112-HC		112	86	
1.480	34,9 x 106,4	2048-HC	1	182	150	SAE 1 3/4" Z-16
1.510	39,7 x 115,9	2006-HC	1	183	138	SAE 1 3/4" Z-16
		2006.124-HC		124	79	
1.550	34,9 x 127,0	2055-HC	1	175	140	SAE 1 3/4" Z-16
		2055M-HC		280	222	Ev. 46 Z-28
		2055R-HC				SAE 1 3/4" Z-16
1.610	47,6 x 135,0	2007-HC	2	207	155	SAE 2" Z-16
		2007R-HC		258	197	
		2037-HH		103	74	65 Z-16
1.630	39,7 x 115,9	2063-HC	1	276	207	SAE 2" Z-16
1.710	49,9 x 154,7	2008-HC	2	260	181	SAE 2 1/2" Z-10
		2008M-HC		292	213	
		2038.1-HH		115	80	81,5 Z-16
		2038.2-HH		143	108	
1.760	49,2 x 177,8	2076-HC	2	235	172	SAE 2 1/2" Z-16
		2076-HCL		283	234	
1.800	59,0 x 167,5	2009.10-HC	2	322	196	SAE 3" Z-10
		2009.16-HC		340	200	SAE 2 1/2" Z-16
1.810	49,2 x 191,7	2081-HC	2	261	200	SAE 3" Z-16
		2081-HCL		302	241	

J O C A R

Horquillas fijas SAE SAE Tube Yokes

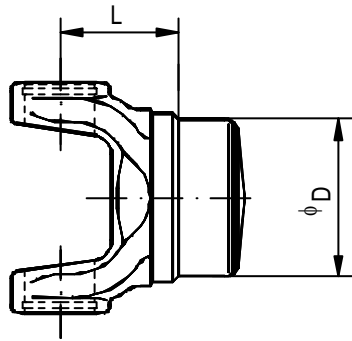


Fig. 1

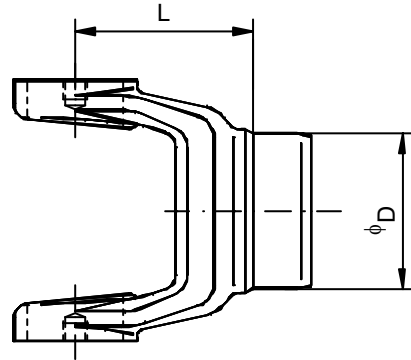


Fig. 2

SERIE SERIES	TAMAÑO DE CRUCETA UNIVERSAL JOINT SIZE	REFERENCIA PART NUMBER	Fig.	L	D	CARACTERÍSTICAS CHARACTERISTICS
0500	19,05 x 51,9	1999-HF.32	1	42,0	26,7	Maciza-Solid base
		1999-HF.45		52,0	43,0	
1.100	23,8 x 61,2	2001-HF.51	1	37,0	46,2	Maciza-Solid base
		2001-HF.57		42,0	53,0	
1.300	27,0 x 74,6	2003-HF.51.1	1	43,5	47,7	Maciza-Solid base
		2003-HF.51			46,2	
		2003-HF.63.1			59,0	
		2003-HF.63			58,6	
		2003-HF.76.1			73,3	
		2003-HF.76			71,2	
1.310	27,0 x 81,7	2015-HF.51	1	43,0	46,2	20° / Hueca-Hollowed
		2015A-HF.51.1		45,0	47,7	30° / Maciza-Solid base
		2015A-HF.51			46,2	
		2015-HF.63.1		49,0	59,0	20°/Hueca-Hollowed
		2015-HF.63			58,6	
		2015-HF.76.1		43,0	73,3	30°/Maciza-Solid base
		2015A-HF.76		55,0	71,6	
1.350	30,18 x 92,0	2004-HF.63.1	1	57,0	59,0	Maciza-Solid base
		2004-HF.63			58,6	
		2004-HF.76.1			73,3	
		2004-HF.76.2			71,6	
		2004-HF.76			71,2	
1.410	30,18 x 106,3	2005-HF.63.1	1	60,0	59,0	Maciza-Solid base
		2005-HF.63			58,6	
		2005-HF.76		55,0	71,2	Hueca-Hollowed
		2005-HF.76.2		54,0	71,6	
		2005-HF.90.0			84,3	
1.480	34,9 x 106,4	2048-HF.90	1	51,5	85,0	Hueca-Hollowed
1.510	39,7 x 115,9	2006-HF.76.2	1	71,0	71,6	Hueca-Hollowed
		2006-HF.90			84,3	
1.550	34,9 x 127,0	2055-HF.90	1	55,5	84,3	Hueca-Hollowed
		2055A-HF.90		67,5		
1.610	47,6 x 135,0	2007-HF.90	2	85,0	84,5	Maciza-Solid base
1.630	39,7 x 115,9	2063-HF.90	1	71,0	84,3	Hueca-Hollowed
1.710	49,9 x 154,7	2008-HF.90	2	100,0	83,2	Hueca-Hollowed
1.760	49,2 x 177,8	2076-HF.102	2	76,0	94,9	Hueca-Hollowed
1.800	59,0 x 167,5	2009-HF.90	2	92,0	80,0	Hueca-Hollowed
1.810	49,2 x 191,7	2081-HF.114	2	85,9	101,7	Hueca-Hollowed

JOCAR

Horquillas-eje SAE Yoke-shafts SAE

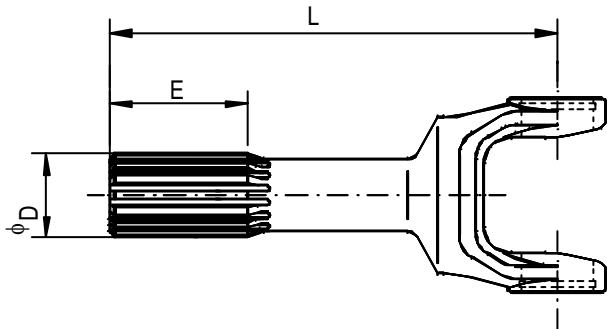
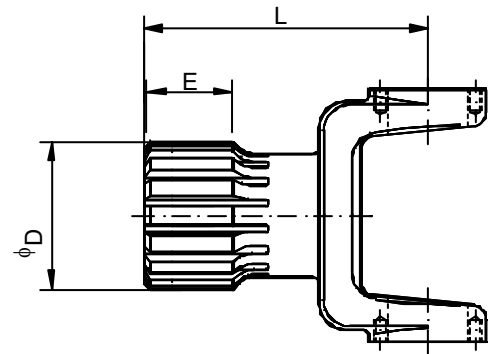


Fig.1



Fig,2

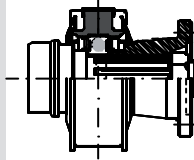
SERIE SERIES	REFERENCIA PART NUMBER	Fig	$\phi D \times N^{\circ}$	L	E
0500	1999-HFB.104	1	SAE 1 1/16" Z-16	104	30
	1999-HFB.150			150	35
1.100	2001-HFB.95	1	SAE 1 1/16" Z-16	95	32
	2001-HFB.112			112	41
1.300	2003-HFB.137	1	SAE 1 3/8" Z-16	137	53
1.310	2015-HFB.127	1	SAE 1 3/8" Z-16	127	48
	2015-HFB.143			143	60
	2015-HFB.171			171	
	2015-HFB.190			190	
	2015-HFB.197			197	
1.350	2004-HFB.155	1	SAE 1 1/2" Z-16	155	57
	2004-HFB.170			170	65
	2004-HFB.191			191	70
	2004-HFB.217			217	
1.410	2005-HFB.126	1	SAE 1 1/2" Z-16	126	51
	2005-HFB.145			145	60
	2005-HFB.168			168	
1.480	2048-HFB.144R	1	SAE 1 3/4" Z-16	144	51
	2048-HFB.185R			185	58
1.510	2006-HFB.150	1	SAE 1 3/4" Z-16	150	55
	2006-HFB.170			170	66
1.550	2055-HFB.116	1	SAE 2 1/2" Z-16	116	40
	2055-HFB.173R		SAE 1 3/4" Z-16	173	63
	2055-HFB.238R		SAE 1 3/4" Z-16	238	76
	2055-HFB.300R		SAE 2" Z-16	300	89
1.610	2037-HM	2	65 Z-16	122	45
	2007-HFB.200		SAE 2" Z-16	200	70
1.710	2038-HM	2	81,5 Z-16	133	49

- Tanto las horquillas-eje, como los barrones correderos se pueden suministrar "rilsanizados".



JO CAR

Puentes centrales SAE SAE Centre Bearing Assemblies

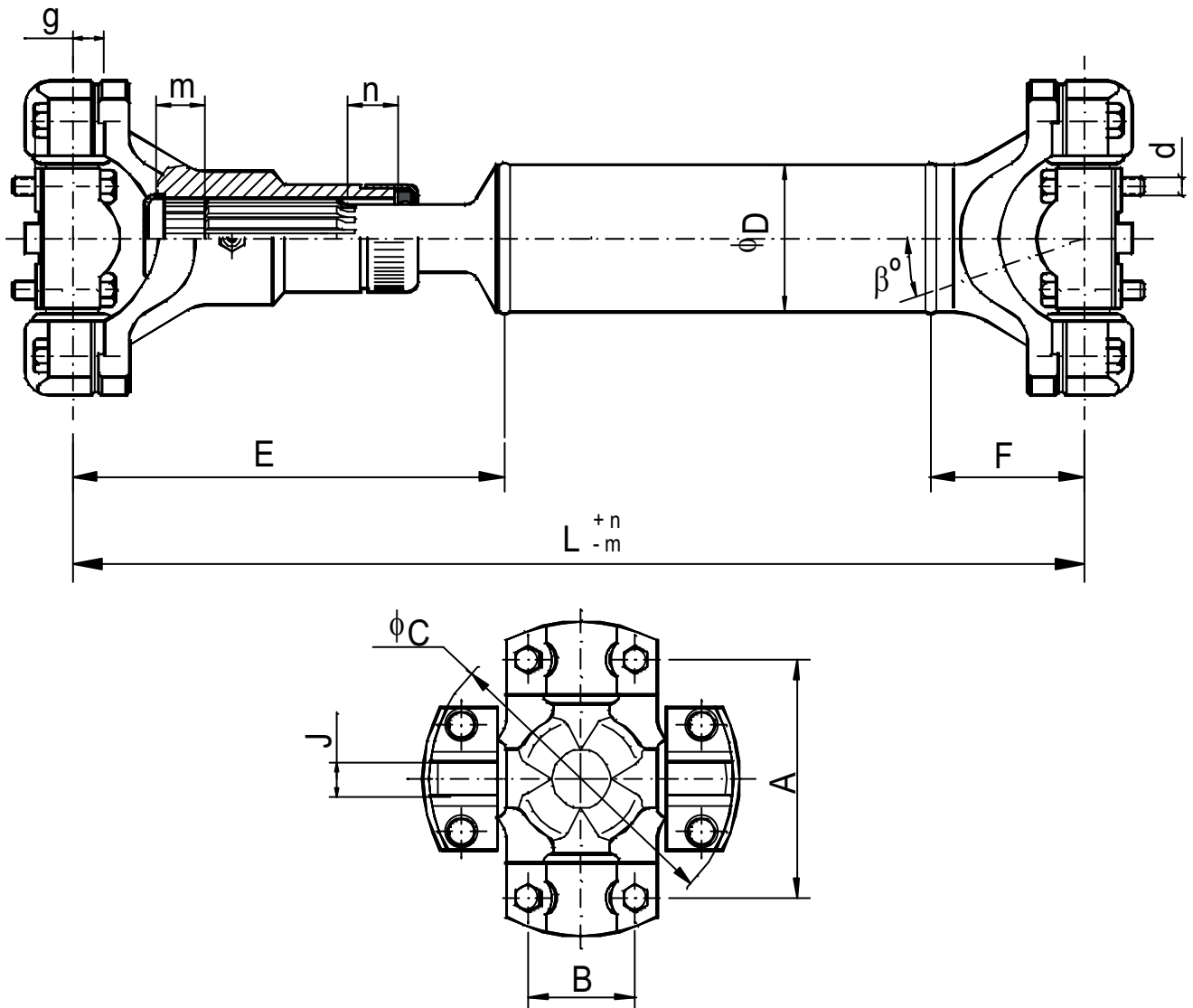


COMPONENTES COMPONENTS	SERIE SERIES	REFERENCIA PART NUMBER	D	L	H	C
	1300 / 1310	2015.35-SBF	35	168	57	19
	1350 / 1410	2005.40-SBF	40	168	63	27
	1510	2006.45-SBF	45	194	69	19
	1610	2007.45-SBF	45	194	69	27
	1710	2008.50-SBF	50	194	71	30
	1300 / 1310	2015.35-BP.51	46,2	92,0	60,0	35
		2015.35-BP.63.0	60,5	92,0	60,0	35
		2015.35-BP.76	73,3	102,0	70,0	35
	1350 / 1410	2005.40-BP.63	58,6	105,5	75,5	40
		2005.40-BP.76.2	71,6	105,5	75,5	40
	1510	2006.45-BP.90	83,3	109,5	74,5	45
	1610	2007.45-BP.90	83,3	109,2	81,2	45
	1710	2008.50-BP.90	85,0	138,2	106,5	50
<p>SAE</p>	1300 / 1310	2015.35-BR	10,2	60,7	36,0	60,4
		2015.1.35-BR	9,7	60,7	36,0	60,4
	1350 / 1410	2005.40-BR	11,2	68,3	51,0	69,9
		2005.2.40-BR	12,1	68,3	51,0	69,9
	1510	2006.45-BR	12,8	66,0	57,0	95,3
		2006.2.45-BR	14,1	66,0	51,0	95,3
	1610	2007.45-BR	10,2	79,6	59,0	168,3
		2007.1.45-BR	9,7	79,6	59,0	168,3
	1710	2008.50-BR	10,2	95,0	78,0	197,0
		2008.1.50-BR	9,7	95,0	78,0	197,0
<p>DIN</p>	1350	2004D.35-BR	8,1	69,1	54,5	57,0
		2004D.40-BR	8,1	68,0	51,0	57,0
	1410	2005D.35-BR	8,1	69,1	54,5	75,0
		2005D.40-BR	10,1	68,3	51,0	75,0
		2005D.45-BR	10,1	73,0	58,0	75,0
	1510	2006D.45-BR	10,1	73,0	58,0	75,0

JOCAR

Transmisiones tipo " M "

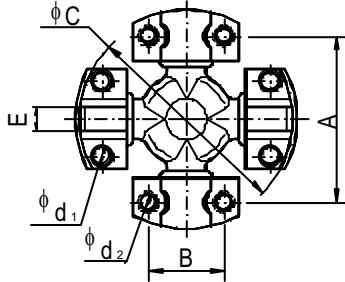
Drive Shafts type " M "



Rec = Recorrido - Slip movement

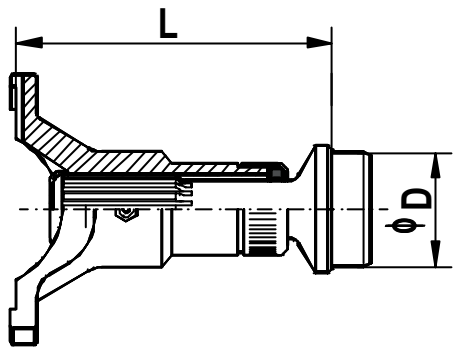
SERIE SERIES	REFERENCIA PART NUMBER	E	F	Rec + n - m	D	A	B	J	C	d	g	β° max
2C	3020.50-T.L CDR	183	40	+ - 22	50	60,62	33,27	9,52	79,25	7x1	14,7	20
3 C	3030.50-T.L CDR	185	47	+ - 22	50	69,90	36,57	9,52	90,42	7x1	14,7	20
4C	3040.50-T.L CDR	220	48	+ - 25	50	87,32	36,57	9,52	107,95	5/16"	15,5	20
5C	3050.60-T.L CDR	226	48	+ - 28	60	88,90	42,92	14,26	115,06	3/8"	17,5	24
6C	3060.76-T L CDR	238	55	+ - 35	76	114,30	42,92	14,26	140,46	3/8"	18,5	24
7C	3070.90-T.L CDR	265	55	+ - 35	90	117,50	49,27	15,85	148,38	1/2"	20,0	24
8C	3080.90-T.L CDR	326	87	+ - 40	90	174,60	49,27	15,85	206,32	1/2"	22,0	30
8,5 C	3085.100-T.L CDR	346	101	+ - 37	100	123,83	71,37	15,85	165,10	1/2"	25,4	25
9 C	3090.115-T.L CDR	381	89	+ - 37	115	168,28	71,38	15,85	209,55	1/2"	25,4	30
10 C	3100.125-T.L CDR	387	109	+ - 42	125	165,10	91,95	25,35	212,85	5/8"	32,6	25

J O C A R	Componentes para Transmisiones Tipo "M" Components for Drive Shafts Type "M"	
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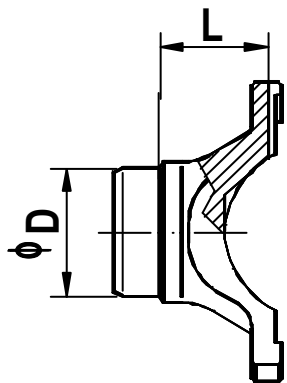
DENOMINACIÓN DENOMINATION	SERIE SERIES	REFERENCIA PART NUMBER	A	B	E	C	d ₁	d ₂
 <p>CRUZ U/JOINT CROISILLON</p>	2 C	3020.RR-CR 3020.PR-CR	60,32	33,27	9,52	79,25	5/16"-24 8,75	5/16"-24 5/16"-24
	3 C	3030.RR-CR	69,90	36,57	9,52	90,42	5/16"-24	5/16"-24
	4 C	3040.RR-CR 3040.PP-CR 3040.PR-CR	87,32	36,57	9,52	107,95	5/16"-24 8,75 8,75	5/16"-24 8,75 5/16"-24
	5 C	3050.RR-CR 3050.PP-CR 3050.PR-CR	88,90	42,92	14,26	115,06	3/8"-24 10,50 10,50	3/8"-24 10,50 3/8"-24
	6 C	3060.RR-CR 3060.PP-CR 3060.PR-CR	114,30	42,92	14,26	140,46	3/8"-24 10,5 10,5	3/8"-24 10,5 3/8"-24
	7 C	3070.RR-CR 3070.PP-CR 3070.PR-CR	117,50	49,27	15,85	148,38	1/2"-20 13,50 13,50	1/2"-20 13,50 1/2"-20
	8 C	3080.RR-CR 2031-CR	174,60	49,27	15,85	206,32	1/2"-20	1/2"-20
	8.5 C	3085.RR-CR	123,83	71,37	15,85	165,10	1/2"-20	1/2"-20
	9 C	3090.PP-CR	168,28	71,37	15,85	209,55	13,50	13,50
	"Pegaso"	2032-CR	174,60	55,00	15,85	206,32	1/2"-20	1/2"-20

SERIE	REFERENCIA	D	L
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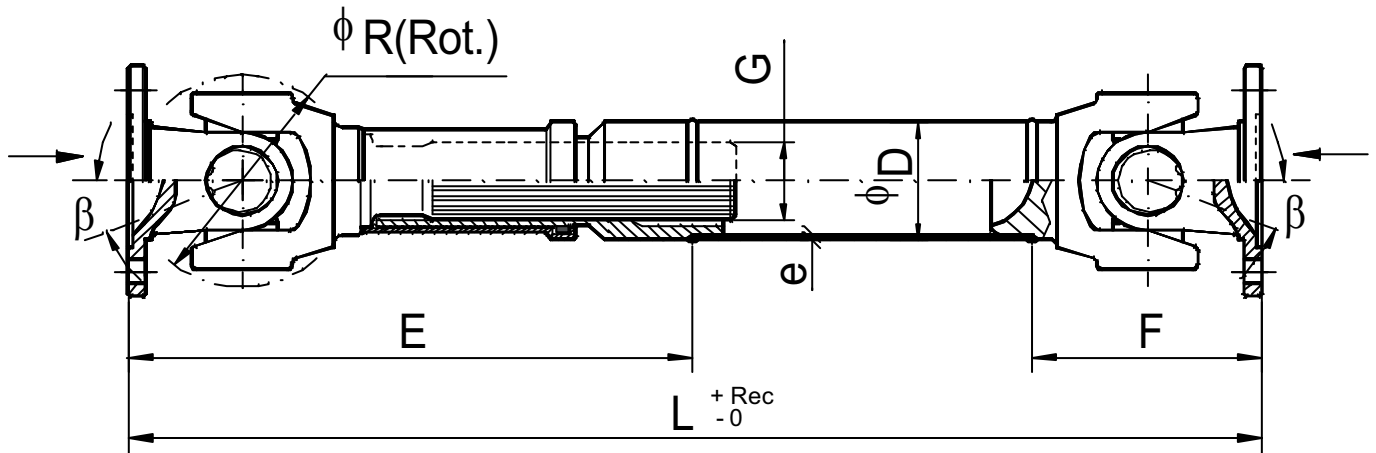
CONJUNTOS DESLIZANTES - SLIDING ASSEMBLIES

	6 C	3060-CB.76	71,6	185,0
	7 C	3070-CB.90	84,3	210,0
	8 C	2031-CBL.90	83,5	263,0
	"Pegaso"	2032-CBL.90	83,5	263,0

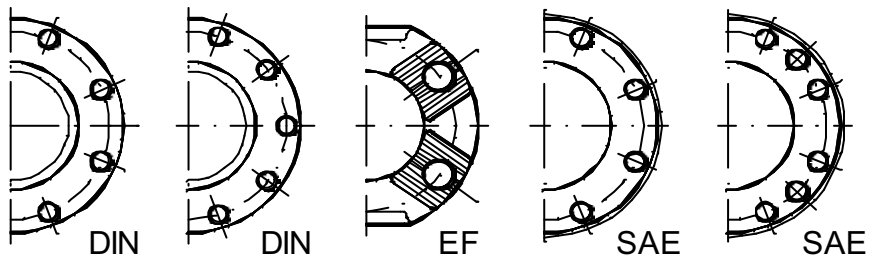
HORQUILLAS FIJAS - TUBE YOKES

	6 C	3060-F.76	71,6	37,0
	7 C	3070-F.90	84,3	35,0
	8 C	2031-F.90	83,5	65,0
	"Pegaso"	2032-F.90	83,5	65,0

JOCAR	Transmisiones versión DIN Drive Shafts DIN version	
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Páginas 31 y 32
Pages 31 & 32



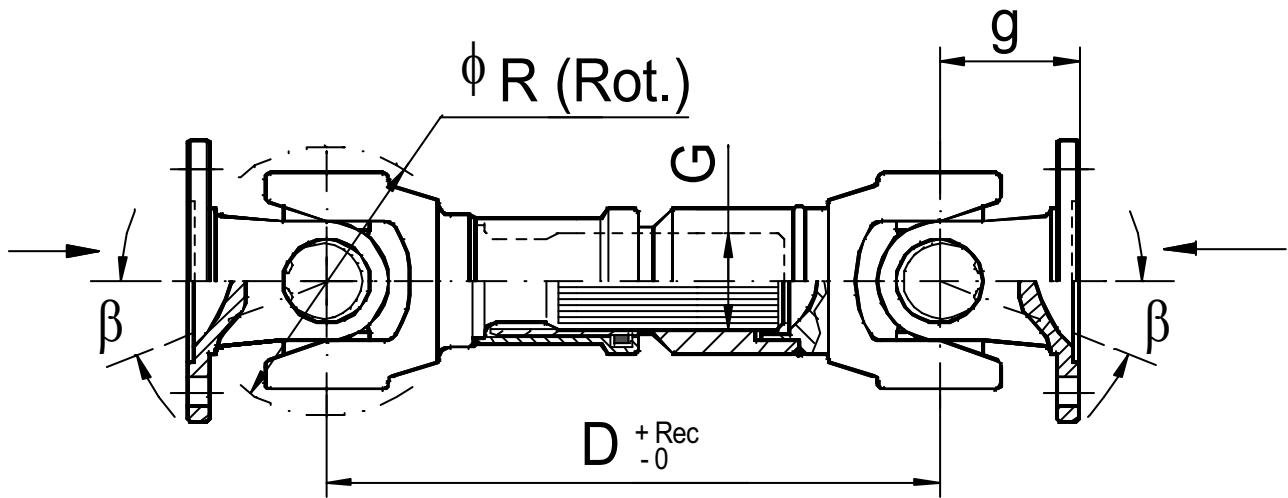
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Páginas 31 y 32
Pages 31 & 32

Serie - Series		3515	3520	3530	3535	3542			3545	3548
Diám rotación de la junta Joint swing diameter	ϕR	125	138	156	168	178			196	204
Tubo Tube	D x e	80x3,5	85x5	88x4,5	100x6	110x6	120x6	140x5	140x5	140x5
Ángulo máximo Max.deflection angle	β°	35°	35°	35°	35°	25°			25°	25°
Longitud mínima Min.length	L	630	670	700	750	800	620	800	650	800
Recorrido Slip	Rec.	110	110	110	110	150	110	160	110	150
Longitud junta fija Fixed joint length	F	159	155 171	189	203 183	211 216	195 200	203 208	220 210	225 215
Longitud junta corredera Slip joint length	E	374	382 398	420	448 428	500 505	382 387	495 500	465 455	523 513
Estriado DIN 5480 Spline DIN 5480	G	52x2,5	55x2,5	65x2,5	75x2,5	80x2,5	95x2,5	80x2,5	75x2,5	90x2,5

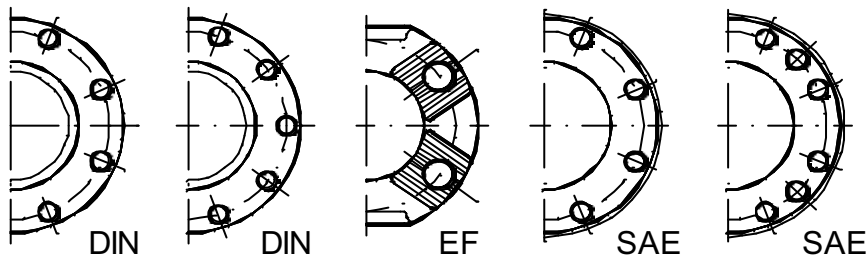
JOCAR

Cardancillos versión DIN

Short Coupled Shafts DIN version



Páginas 31 y 32
Pages 31 & 32



Páginas 31 y 32
Pages 31 & 32

Serie – Series		3515	3520	3530	3535	3542	3548
Díam rotación de la junta Joint swing diameter	R	125	138	156	168	178	204
Ángulo de inclinación máximo Max.deflection angle	β°	35°	35°	35°	35°	25°	25°
Longitud del platillo Flange Yoke length	g	Ver Páginas 31 y 32SeePages 31and 32					
Longitud entre centros cerrada Centre-centre closed length	D	300	330	360	385	390	380
Recorrido Slip	Rec.	60	70	80	80	65	45
Estriado DIN 5480 Spline DIN 5480	G	52x2,5	55x2,5	65x2,5	75x2,5	80x2,5	90x2,5

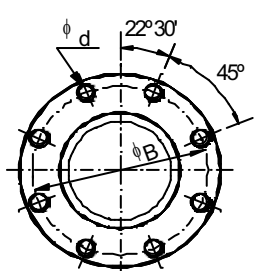
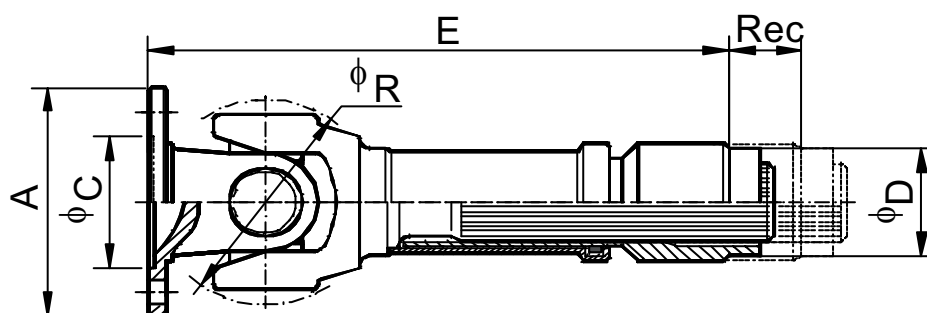
J O C A R

Juntas correderas versión DIN

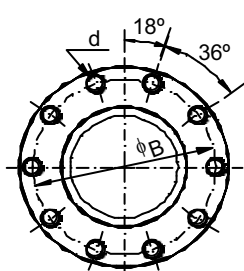
Slip Joints DIN version

(1)

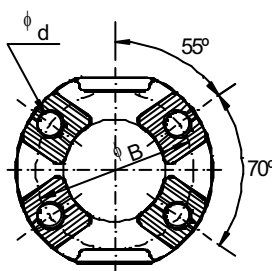
J O C A R



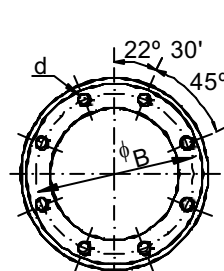
DIN Fig. 1



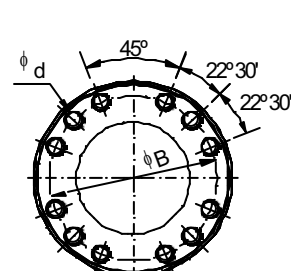
DIN Fig. 2



EF Fig. 3



SAE Fig. 4



SAE Fig. 5

SERIE SERIES	CRUZ U/JOINT	REFERENCIA PART NUMBER	Fig.	A	B	C	d	E	Rec	D	ϕR	β°
3515	42,0 x 104,5	3515.1-CB	1	120	101,5	75,0	10	374	110	73,4	125	35°
		3515.2-CB					12					
		3515.5-CB	3	122	100,0	-	11					
3520	48,0 x 116,5	3520.1-CB	1	150	130,0	90,0	12	398	110	75,4	138	35°
		3520.3-CB	3	150	130,0	-	13					
		3520.4-CB	4	175	155,5	168,2	9,7					
		3520.5-CB	1	180	155,5	110,0	14					
3530	52,0 x 133,0	3530.1-CB	1	150	130,0	90,0	12	420	110	79,4	156	35°
		3530.2-CB		165	140,0	95,0	14					
		3530.3-CB		165	140,0	95,0	16					
		3530.4-CB		180	155,5	110,0	14					
		3530.5-CB					16					
		3530.6-CB	2									
		3530.7-CB	3	150	130,0	-	13					
		3530.8-CB		180	150,0		15					
		3530.9-CB	5	203	184,2	196,8	10					
3535	57,0 x 144,0	3535.1-CB	1	165	140,0	95,0	16	448	110	88,4	168	35°
		3535.2-CB		180	155,5	110,0	14					
		3535.3-CB					16					
		3535.4-CB	2									
		3535.5-CB	3	180	150,0	-	15					
		3535.6-CB	5	203	184,2	196,8	10					
		3535.7-CB					11					
		3535.8-CB	3	150	130,0	-	13					
		3535.9-CB	5	203	184,2	196,8	11	428				24°

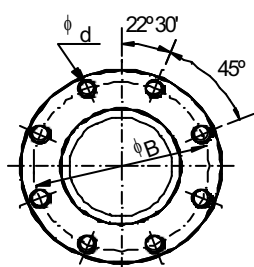
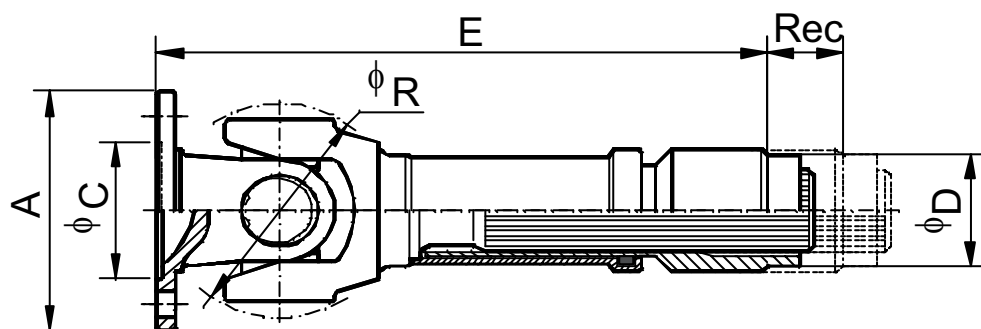
J O C A R

Juntas correderas versión DIN

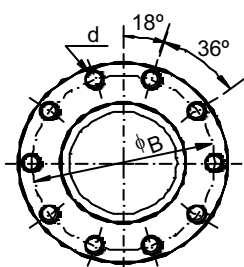
Slip Joints DIN version

(2)

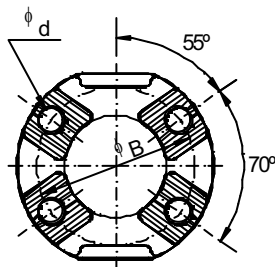
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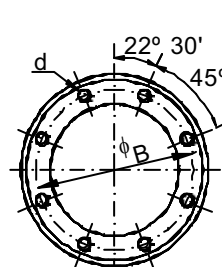
DIN Fig. 1



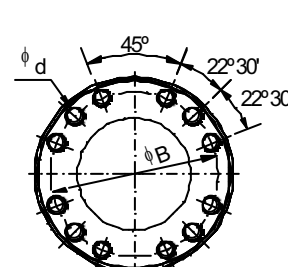
DIN Fig. 2



EF Fig. 3



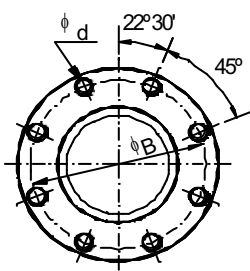
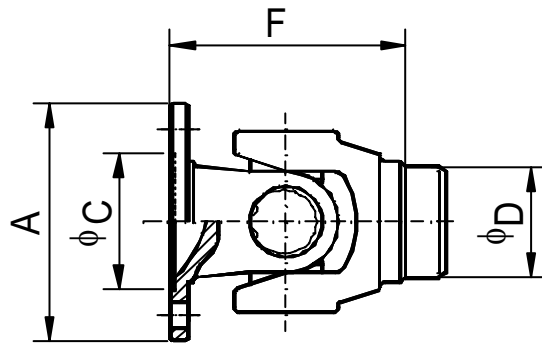
SAE Fig. 4



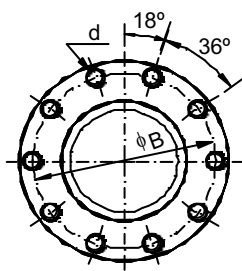
SAE Fig. 5

SERIE SERIES	CRUZ U/JOINT	REFERENCIA PART NUMBER	Fig.	A	B	C	d	E	Rec	D	ϕ R	β°								
3542	57,0 x 152,0	3542.1-CB.110	1	180	155,5	110,0	16	500	150	98,0	178	25°								
		3542.1-CB.120						382	110	108,4										
		3542.1-CB.140						495	150	130,4										
		3542.2-CB.110	500					98,0												
		3542.2-CB.120	382					110	108,4											
		3542.2-CB.140	495					150	130,4											
		3542.3-CB.110	3	180	150,0	-	15	500	110	98,0										
		3542.3-CB.120						382		108,4										
		3542.3-CB.140						495	150	130,4										
		3542.4-CB.110	5					203	184,2	196,8			11	505	110	98,0				
		3542.4-CB.120												387		108,4				
		3542.4-CB.140												500	150	130,4				
		3542.5-CB.110	1											225	196,0	140,0	16	505	110	98,0
		3542.5-CB.120																387		108,4
		3542.5-CB.140																500	150	130,4
3545	57,0 x 172,0	3545.1-CB	2	180	155,5	110,0	16				465	110						130,4	196	25°
		3545.2-CB	3	180	150,0	-	15				455									
3548	65,0 x 172,0	3548.1-CB	2	180	155,5	110,0	16				523	150						130,4	204	25°
		3548.2-CB	1	225	196,0	140,0	16													
		3548.3-CB		250	218,0		18													
		3548.4-CB	3	180	150,0	-	15	513												

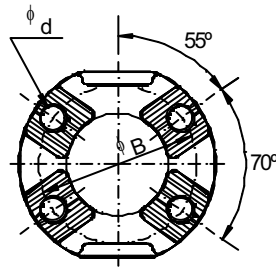
JOCAR	Juntas fijas versión DIN Fixed Joints DIN version	(1)	JOCAR
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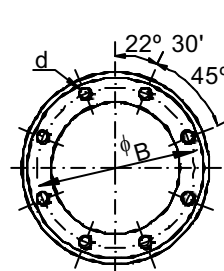
DIN Fig. 1



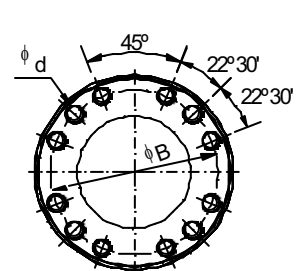
DIN Fig. 2



EF Fig. 3



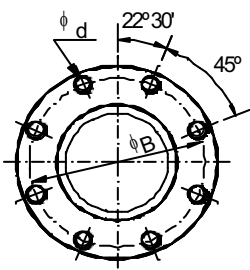
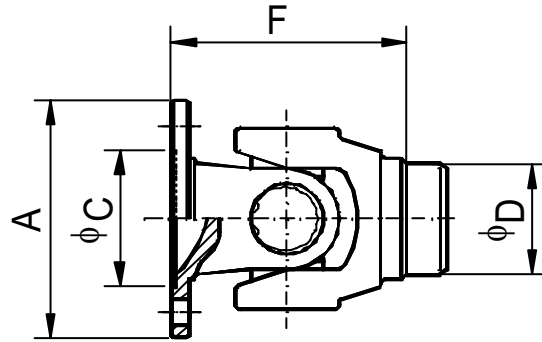
SAE Fig. 4



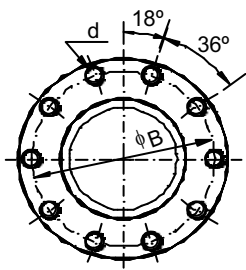
SAE Fig. 5

SERIE SERIES	CRUZ U/JOINT	REFERENCIA PART NUMBER	Fig.	A	B	C	d	F	D	ϕ R	β°	
3515	42,0 x 104,5	3515.1-F	1	120	101,5	75,0	10	159	73,4	125	35°	
		3515.2-F					12					
		3515.5-F	3	122	100,0	-	11					
3520	48,0 x 116,5	3520.1-F	1	150	130,0	90,0	12	171	75,4	138	35°	
		3520.3-F	3	150	130,0	-	13					
		3520.4-F	4	175	155,5	168,2	9,7					
		3520.5-F	1	180	155,5	110,0	14					
3530	52,0 x 133,0	3530.1-F	1	150	130,0	90,0	12	189	79,4	156	35°	
		3530.2-F		165	140,0	95,0	14					
		3530.3-F		180	155,5	110,0	16					
		3530.4-F					14					
		3530.5-F					16					
		3530.6-F	2	150	130,0	-	13					
		3530.7-F	3				15					
		3530.8-F	180	150,0	-	15						
		3530.9-F	5	203	184,2	196,8	10					
3535	57,0 x 144,0	3535.1-F	1	165	140,0	95,0	16	203	88,4	168	35°	
		3535.2-F		180	155,5	110,0	14					
		3535.3-F		180	155,5	110,0	16					
		3535.4-F	2				15					
		3535.5-F	3	180	150,0	-	15					
		3535.6-F	5	203	184,2	196,8	10					
		3535.7-F					11					
		3535.8-F	3	150	130,0	-	13					
		3535.9-F	5	203	184,2	196,8	11				183	

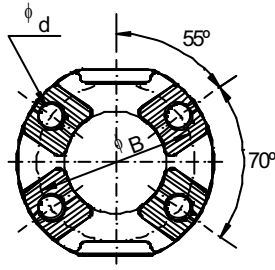
JOCAR	Juntas fijas versión DIN Fixed Joints DIN version	(2)	JOCAR
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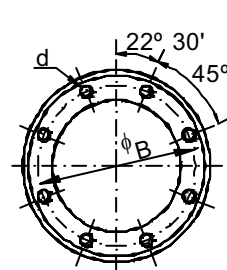
DIN Fig. 1



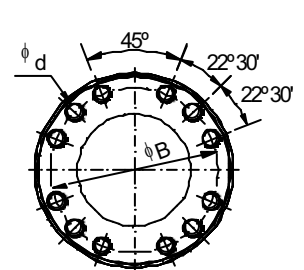
DIN Fig. 2



EF Fig. 3



SAE Fig. 4



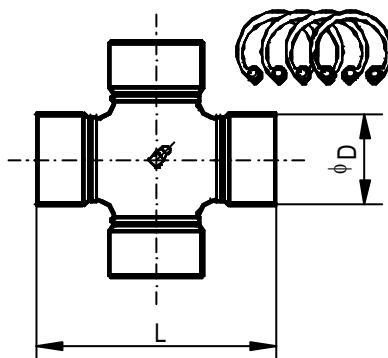
SAE Fig. 5

SERIE SERIES	CRUZ U/JOINT	REFERENCIA PART NUMBER	Fig.	A	B	C	d	F	D	ϕ R	βº
3542	57,0 x 152,0	3542.1-F.110	1	180	155,5	110,0	16	211	98,0	178	25º
		3542.1-F.120						195	108,4		
		3542.1-F.140						203	130,0		
		3542.2-F.110	2					211	98,0		
		3542.2-F.120						195	108,4		
		3542.2-F.140						203	130,0		
		3542.3-F.110	3	180	150,0	-	15	211	98,0		
		3542.3-F.120						195	108,4		
		3542.3-F.140						203	130,0		
		3542.4-F.110	5	203	184,2	196,8	11	216	98,0		
		3542.4-F.120						200	108,4		
		3542.4-F.140						208	130,0		
		3542.5-F.110	1	225	196,0	140,0	16	216	98,0		
		3542.5-F.120						200	108,4		
		3542.5-F.140						208	130,4		
3545	57,0 x 172,0	3545.1-F	2	180	155,5	110,0	16	220	130,4	196	25º
		3545.2-F	3	180	150,0	-	15	210			
3548	65,0 x 172,0	3548.1-F	2	180	155,5	110,0	16	225	130,4	204	25º
		3548.2-F		225	196,0	140,0	16				
		3548.3-F			250	218,0	18				
		3548.4-F	3	180	150,0	-	15	215			

J O C A R

Cruces de Cardan DIN DIN Universal Joints

J O C A R



SERIE SERIES	REFERENCIA PART NUMBER	D	L	CARACTERÍSTICAS CHARACTERISTICS
3515	3515-CR	42,0	104,5	ENGRASADOR CENTRAL-CENTRAL NIPPLE
3520	3520-CR	48,0	116,5	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3520SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION
3530	3530-CR	52,0	133,0	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3530SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION
	3530AT-CR			ALTAS TEMPERATURAS-HIGH TEMPERATURES
3535	3535-CR	57,0	144,0	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3535SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION
	3535AT-CR			ALTAS TEMPERATURAS-HIGH TEMPERATURES
3542	3542-CR	57,0	152,0	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3542SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION
3545	3545-CR	57,0	172,0	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3545SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION
3548	3548-CR	65,0	172,0	ENGRASADOR CENTRAL-CENTRAL NIPPLE
	3548SE-CR			SIN MANTENIMIENTO - LIFETIME VERSION

REFERENCIA PART NUMBER	D	L	EQUIVALENCIA EQUIVALENCE
4010-CR	15	41	473.10
4020-CR	19	49,2	473.20
4030-CR	22	58,9	473.30
4000-CR	26	69,7	287.00
6015-CR	27	74,5	Compact 2015 687.15
4001-CR	30	81,8	287.10
6020-CR	30,2	82	Compact 2020 687.20
6025-CR	34,9	92,2	Compact 2025 687.25
6030-CR	34,9	106,4	Compact 2030 687.30
4002-CR	35	96,8	287.20
6035-CR	42	119,4	Compact 2035 687.35
6040-CR	47,6	135,1	Compact 2040 687.40
6045-CR	52	147,2	Compact 2045 687.45
6050-CR	49,2	154,9	Compact 2050 687.50
6055-CR	57	152	Compact 2055 687.55
6060-CR	59	167,7	Compact 2060 687.60
6065-CR	65	172	Compact 2065 687.65