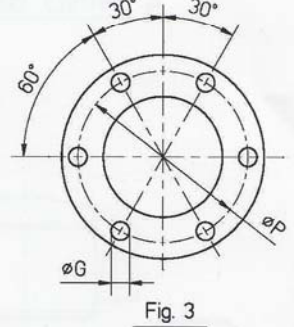
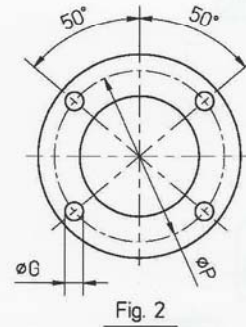
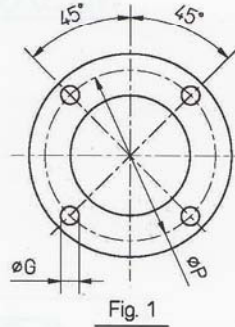
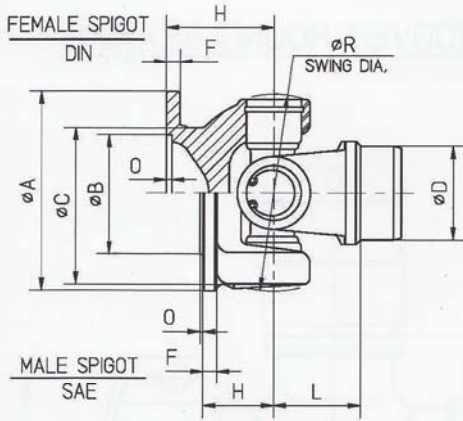


UZMAN KARDAN

36

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR



KAT-98/114

23/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPıxET KAL.
1140	98.114.010	DIN,1	90	47,0	56	46,2					35,0				17	2" x 0,095"
	98.114.011					47,8					35,0				17	2" x 0,064"
	98.114.012					60,6					35,0				17	2 1/2" x 0,064"
	98.114.013					66,9	4	5,5	8,1	40,0	33,3	2,5	74,5	76	17	2 3/4" x 0,064"
	98.114.014					39,9					35,0				17	1 3/4" x 0,095"
	98.114.015					41,7					35,0				17	1 3/4" x 0,064"
	98.114.016					73,3					36,5				17	3" x 0,064"
	98.114.020	DIN,3	90	47,0	56	46,2					35,0					2" x 0,095"
	98.114.021					47,8					35,0					2" x 0,064"
	98.114.022					60,6					35,0					2 1/2" x 0,064"
	98.114.023					66,9	6	6,0	9,1	40,0	33,3	2,5	74,5	76	25	2 3/4" x 0,064"
	98.114.024					39,9					35,0					1 3/4" x 0,095"
	98.114.025					41,7					35,0					1 3/4" x 0,064"
	98.114.026					73,3					36,5					3" x 0,064"
	98.114.030	DIN,3	75	42,0	48	46,2					35,0					2" x 0,095"
	98.114.031					47,8					35,0					2" x 0,064"
	98.114.032					60,6					35,0					2 1/2" x 0,064"
	98.114.033					66,9	6	5,5	6,1	39,0	33,3	2,0	62,0	76	25	2 3/4" x 0,064"
	98.114.034					39,9					35,0					1 3/4" x 0,095"
	98.114.035					41,7					35,0					1 3/4" x 0,064"
	98.114.036					73,3					36,5					3" x 0,064"
	98.114.100	SAE,2	88	57,1	-	46,2					35,0					2" x 0,095"
	98.114.101					47,8					35,0					2" x 0,064"
	98.114.102					60,6					35,0					2 1/2" x 0,064"
	98.114.103					66,9	4	5,2	8,1	30,2	33,3	1,2	69,8	76	17	2 3/4" x 0,064"
	98.114.104					39,9					35,0					1 3/4" x 0,095"
	98.114.105					41,7					35,0					1 3/4" x 0,064"
	98.114.106					73,3					36,5					3" x 0,064"
	98.114.110	SAE,2	92	57,1	-	46,2					35,0					2" x 0,095"
	98.114.111					47,8					35,0					2" x 0,064"
	98.114.112					60,6					35,0					2 1/2" x 0,064"
	98.114.113					66,9	4	5,5	9,7	40,0	33,3	1,4	76,2	76	25	2 3/4" x 0,064"
	98.114.114					39,9					35,0					1 3/4" x 0,095"
	98.114.115					41,7					35,0					1 3/4" x 0,064"
	98.114.116					73,3					36,5					3" x 0,064"
	98.114.120	SAE,2	92	57,1	-	46,2					35,0					2" x 0,095"
	98.114.121					47,8					35,0					2" x 0,064"
	98.114.122					60,6					35,0					2 1/2" x 0,064"
	98.114.123					66,9	4	5,5	8,1	40,0	33,3	1,4	77,8	76	25	2 3/4" x 0,064"
	98.114.124					39,9					35,0					1 3/4" x 0,095"
	98.114.125					41,7					35,0					1 3/4" x 0,064"
	98.114.126					73,3					36,5					3" x 0,064"

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGIT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPİGOT DERİNLİĞİ

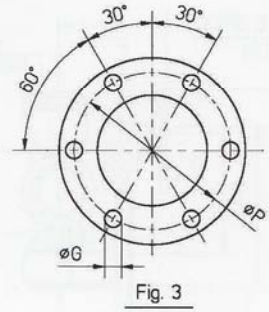
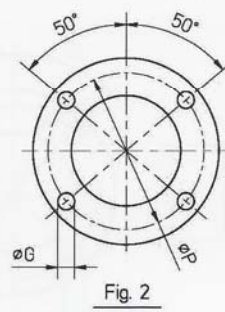
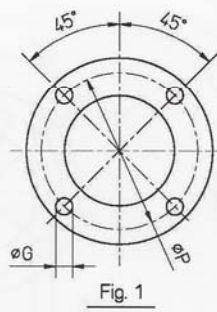
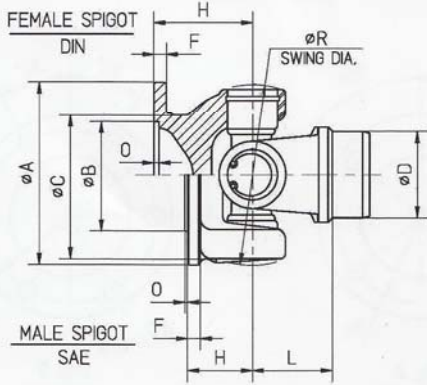
DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.
DIE MASSE UND ZEICHNUNGEN SIND UNVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP , BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR

37



KAT-98/130

23/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D. x THICK. ROHRDURCHM. x DICKE BORU ÇAPı x KAL.
1300	98.130.010	DIN, 1	90	47,0	-	46,2					44,5				20	2" x 0,095"
	98.130.011					47,8					44,5				20	2" x 0,064"
	98.130.012					60,6					44,5				20	2 1/2" x 0,064"
	98.130.013					66,9	4	8,0	8,1	40,5	44,5	2,5	74,5	90,5	20	2 3/4" x 0,064"
	98.130.014					73,3					44,5				20	3" x 0,064"
	98.130.015					97,9					44,5				17	4" x 0,080"
	98.130.016					45,1					44,5				20	Ø51x3
	98.130.017					59,9					44,5				20	Ø64x2
	98.130.100	SAE, 2	92	57,1	-	46,2					44,5				20	2" x 0,095"
	98.130.101					47,8					44,5				20	2" x 0,064"
	98.130.102					60,6					44,5				20	2 1/2" x 0,064"
	98.130.103					66,9	4	8,0	8,1	40,5	44,5	1,4	69,9	90,5	20	2 3/4" x 0,064"
	98.130.104					73,3					44,5				20	3" x 0,064"
	98.130.105					97,9					44,5				17	4" x 0,080"
	98.130.106					45,1					44,5				20	Ø51x3
	98.130.107					59,9					44,5				20	Ø64x2
	98.130.110	SAE, 2	92	57,1	-	46,2					44,5				20	2" x 0,095"
	98.130.111					47,8					44,5				20	2" x 0,064"
	98.130.112					60,6					44,5				20	2 1/2" x 0,064"
	98.130.113					66,9	4	6,7	9,8	35,0	44,5	1,4	76,2	90,5	20	2 3/4" x 0,064"
	98.130.114					73,3					44,5				20	3" x 0,064"
	98.130.115					97,9					44,5				17	4" x 0,080"
	98.130.116					45,1					44,5				20	Ø51x3
	98.130.117					59,9					44,5				20	Ø64x2
	98.130.120	SAE, 2	97	60,3	-	46,2					44,5				20	2" x 0,095"
	98.130.121					47,8					44,5				20	2" x 0,064"
	98.130.122					60,6					44,5				20	2 1/2" x 0,064"
	98.130.123					66,9	4	6,7	9,8	35,0	44,5	1,4	79,4	90,5	20	2 3/4" x 0,064"
	98.130.124					73,3					44,5				20	3" x 0,064"
	98.130.125					97,9					44,5				17	4" x 0,080"
	98.130.126					45,1					44,5				20	Ø51x3
	98.130.127					59,9					44,5				20	Ø64x2
	98.130.130	SAE, 2	97	60,3	-	46,2					44,5				20	2" x 0,095"
	98.130.131					47,8					44,5				20	2" x 0,064"
	98.130.132					60,6					44,5				20	2 1/2" x 0,064"
	98.130.133					66,9	4	6,7	10,2	35,0	44,5	1,4	79,4	90,5	20	2 3/4" x 0,064"
	98.130.134					73,3					44,5				20	3" x 0,064"
	98.130.135					97,9					44,5				17	4" x 0,080"
	98.130.136					45,1					44,5				20	Ø51x3
	98.130.137					59,9					44,5				20	Ø64x2
	98.130.140	SAE, 2	88	57,1	-	46,2					44,5				20	2" x 0,095"
	98.130.141					47,8					44,5				20	2" x 0,064"
	98.130.142					60,6					44,5				20	2 1/2" x 0,064"
	98.130.143					66,9	4	8,0	8,1	40,5	44,5	1,4	69,9	90,5	20	2 3/4" x 0,064"
	98.130.144					73,3					44,5				20	3" x 0,064"
	98.130.145					97,9					44,5				17	4" x 0,080"
	98.130.146					45,1					44,5				20	Ø51x3
	98.130.147					59,9					44,5				20	Ø64x2

E= NUMBER OF HOLES / LOCHANZahl / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

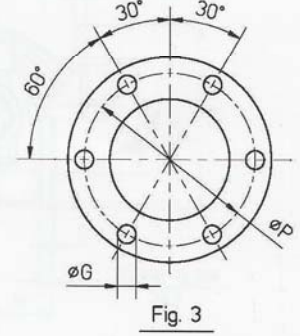
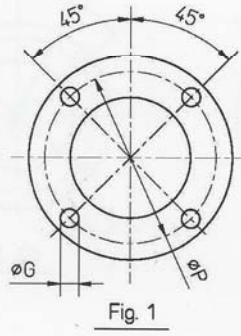
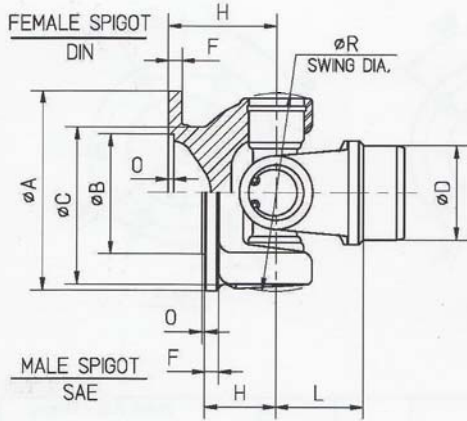
DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.
DIE MASSE UND ZEICHNUNGEN SIND UNIVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEAENDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

38

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR



KAT-98/131

16/02/2009

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPıxET KAL.
1310	98.131.020	DIN,3	100	57,0	66	46,2					42,9				20	2" x 0,095"
	98.131.021					46,2					49,2				30	2" x 0,095"
	98.131.022					60,6					47,0				30	2 1/2" x 0,064"
	98.131.023					60,6					55,0				20	2 1/2" x 0,064"
	98.131.024					66,9	6	6,8	8,1	53,0	55,0	2,5	84,0	97	20	2 3/4" x 0,064"
	98.131.025					73,3					55,0				30	3" x 0,064"
	98.131.026					71,6					55,0				30	3" x 0,095"
	98.131.027					26,2					55,0				20	1 1/4"x 0,120"
	98.131.028					39,9					49,2				30	1 3/4" x 0,095"
	98.131.030	DIN,1	90	47,0	56	46,2					42,9				20	2" x 0,095"
	98.131.031					46,2					49,2				20	2" x 0,095"
	98.131.032					60,6					47,0				20	2 1/2" x 0,064"
	98.131.033					60,6					55,0				20	2 1/2" x 0,064"
	98.131.034					66,9	4	6,8	8,1	50,0	55,0	2,5	74,5	97	20	2 3/4" x 0,064"
	98.131.035					73,3					55,0				20	3" x 0,064"
	98.131.036					71,6					55,0				20	3" x 0,095"
	98.131.037					26,2					55,0				20	1 1/4"x 0,120"
	98.131.038					39,9					49,2				20	1 3/4" x 0,095"
	98.131.040	DIN,3	100	57,0	66	46,2					42,9				20	2" x 0,095"
	98.131.041					46,2					49,2				30	2" x 0,095"
	98.131.042					60,6					47,0				30	2 1/2" x 0,064"
	98.131.043					60,6					55,0				20	2 1/2" x 0,064"
	98.131.044					66,9	6	6,8	6,1	53,0	55,0	2,5	84,0	97	20	2 3/4" x 0,064"
	98.131.045					73,3					55,0				30	3" x 0,064"
	98.131.046					71,6					55,0				30	3" x 0,095"
	98.131.047					26,2					55,0				20	1 1/4"x 0,120"
	98.131.048					39,9					49,2				30	1 3/4" x 0,095"
	98.131.100	SAE,1	97	60,3	-	46,2					42,9				20	2" x 0,095"
	98.131.101					46,2					49,2				20	2" x 0,095"
	98.131.102					60,6					47,0				20	2 1/2" x 0,064"
	98.131.103					60,6					55,0				20	2 1/2" x 0,064"
	98.131.104					66,9	4	6,7	9,7	35,0	55,0	1,2	79,3	97	20	2 3/4" x 0,064"
	98.131.105					73,3					55,0				20	3" x 0,064"
	98.131.106					71,6					55,0				20	3" x 0,095"
	98.131.107					26,2					55,0				20	1 1/4"x 0,120"
	98.131.108					39,9					49,2				20	1 3/4" x 0,095"
	98.131.110	SAE,1	97	60,3	-	46,2					42,9				20	2" x 0,095"
	98.131.111					46,2					49,2				30	2" x 0,095"
	98.131.112					60,6					47,0				30	2 1/2" x 0,064"
	98.131.113					60,6					55,0				30	2 1/2" x 0,064"
	98.131.114					66,9	4	6,6	9,7	41,4	55,0	1,4	79,3	97	30	2 3/4" x 0,064"
	98.131.115					73,3					55,0				30	3" x 0,064"
	98.131.116					71,6					55,0				30	3" x 0,095"
	98.131.117					26,2					55,0				30	1 1/4"x 0,120"
	98.131.118					39,9					49,2				30	1 3/4" x 0,095"

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.

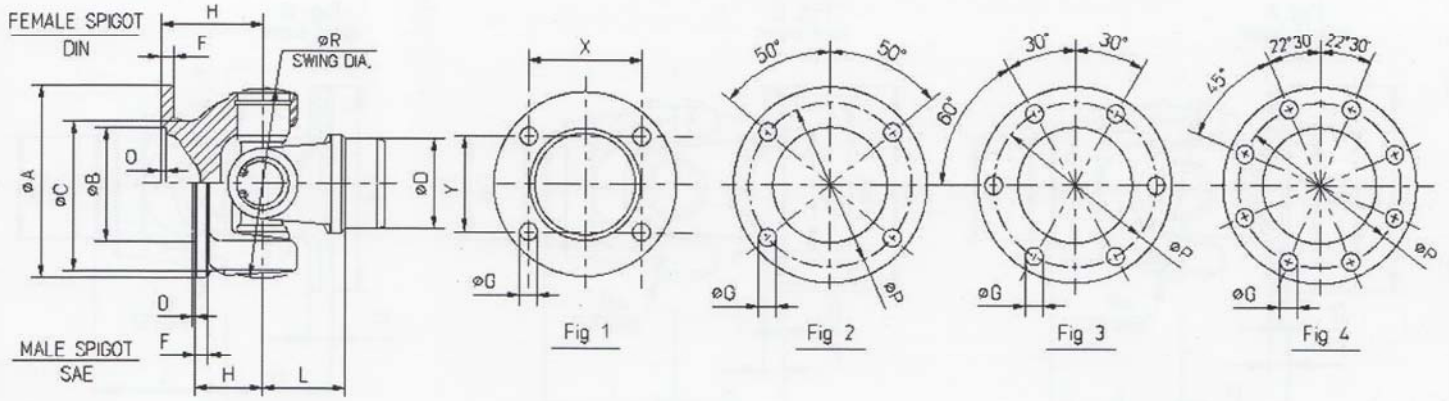
DIE MASSE UND ZEICHNUNGEN SIND UNVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEAENDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMEKSİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR

39



KAT-98/141

24/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG.	A	B	C	D	E	F	G	X	Y	H	L	O	P	R	R°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPİxET KAL.
1410	98.141.010	DIN,4	120	75,0	81	71,6	8	8,0	10,2			56,0	54,0	2,8	101,5	122	20	3" x 0,095"
	98.141.011					84,6												3 1/2" x 0,095"
	98.141.012					45,5												2" x 0,109"
	98.141.013					44,1												52 x 4
	98.141.020	DIN,4	120	75,0	81	71,6	8	8,0	8,1			56,0	54,0	2,8	101,5	122	20	3" x 0,095"
	98.141.021					84,6												3 1/2" x 0,095"
	98.141.022					45,5												2" x 0,109"
	98.141.023					44,1												52 x 4
	98.141.030	DIN,3	100,0	57,0	68	71,6	6	8,0	8,1	-	-	70,0	54,0	3,0	84,0	122	20	3" x 0,095"
	98.141.031					84,6												3 1/2" x 0,095"
	98.141.032					45,5												2" x 0,109"
	98.141.033					44,1												52 x 4
	98.141.100	SAE,2	114	69,8	-	71,6	4	7,5	11,3			43,0	54,0	1,2	95,3	122	20	3" x 0,095"
	98.141.101					84,6												3 1/2" x 0,095"
	98.141.102					45,5												2" x 0,109"
	98.141.103					44,1												52 x 4
	98.141.110	SAE,2	146	95,2	-	71,6	4	11,5	13,0			50,8	54,0	1,4	120,7	122	30	3" x 0,095"
	98.141.111					84,6												3 1/2" x 0,095"
	98.141.112					45,5												2" x 0,109"
	98.141.113					44,1												52 x 4
	98.141.120	SAE,2	114	69,8	-	71,6	4	7,5	12,2			42,9	54,0	1,4	95,3	122	20	3" x 0,095"
	98.141.121					84,6												3 1/2" x 0,095"
	98.141.122					45,5												2" x 0,109"
	98.141.123					44,1												52 x 4
	98.141.130	SAE,2	146	95,2	-	71,6	4	11,5	14,2			50,8	54,0	1,4	120,7	122	30	3" x 0,095"
	98.141.131					84,6												3 1/2" x 0,095"
	98.141.132					45,5												2" x 0,109"
	98.141.133					44,1												52 x 4
	98.141.140	SAE,1	120,0	80,0	79,0	71,6	4	8,5	10,3	80,902	58,778	55,0	54,0	2,0	-	122	20	3" x 0,095"
	98.141.141					84,6												3 1/2" x 0,095"
	98.141.142					45,5												2" x 0,109"
	98.141.143					44,1												52 x 4
	98.141.150	SAE,1	120,0	80,0	79,0	71,6	4	8,5	12,3	80,902	58,778	55,0	54,0	2,0	-	122	20	3" x 0,095"
	98.141.151					84,6												3 1/2" x 0,095"
	98.141.152					45,5												2" x 0,109"
	98.141.153					44,1												52 x 4
	98.141.160	SAE,2	120,0	70,0	82	71,6	4	9,0	12,2	-	-	55,0	54,0	1,4	100	122	20	3" x 0,095"
	98.141.161					84,6												3 1/2" x 0,095"
	98.141.162					45,5												2" x 0,109"
	98.141.163					44,1												52 x 4

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

R= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGIT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPİGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.
DIE MASSE UND ZEICHNUNGEN SIND UNVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.
ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP , BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

40

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR



Fig. A
FEMALE SPIGOT
DIN

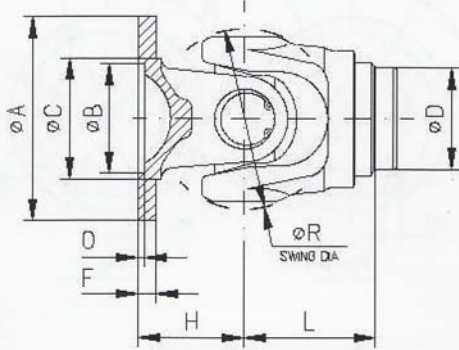


Fig. B
MALE SPIGOT
SAE

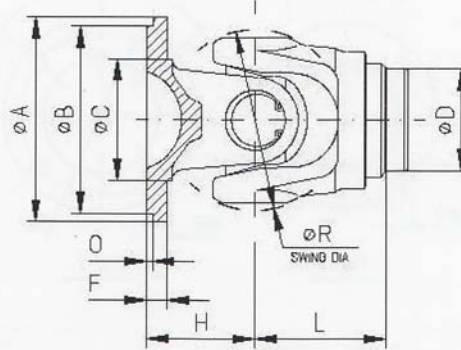


Fig. C
CROSS TOOTH
XS

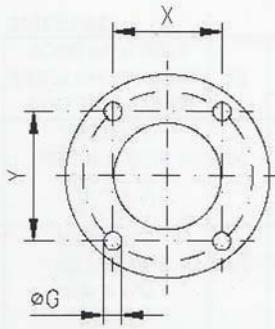
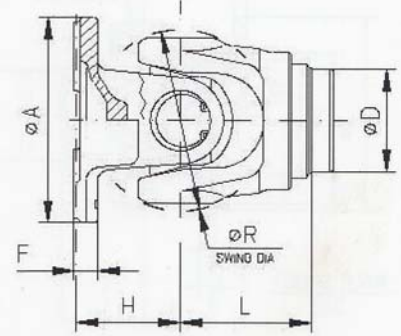


Fig. 1

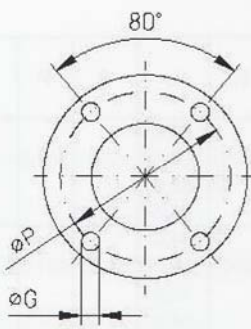


Fig. 2



Fig. 3

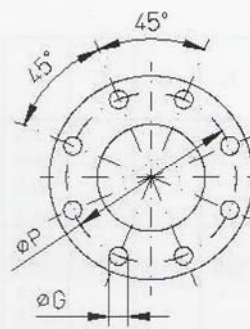


Fig. 4

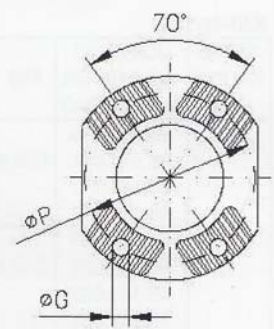


Fig. 5

KAT-98/148

24/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG.	A	B	C	D	E	F	G	X	Y	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPIKET KAL.
1480	98.148.010	DIN,4	120	75,0	81	71,6	8	9,0	10,2	-	-	65,0	51,6	2,5	101,5	129	24	3" x 0,095"
	98.148.011					84,3							51,6					3 1/2" x 0,095"
	98.148.020	DIN,4	120	75,0	81	71,6	8	8,0	8,2	-	-	65,0	51,6	2,5	101,5	129	24	3" x 0,095"
	98.148.021					84,3							51,6					3 1/2" x 0,095"
	98.148.100	SAE,2	146	95,2	-	71,6	4	9,0	12,9	-	-	50,8	51,6	1,4	120,7	129	22	3" x 0,095"
	98.148.101					84,3							51,6					3 1/2" x 0,095"
	98.148.120	SAE,2	146	95,2	-	71,6	4	9,0	14,3	-	-	50,8	51,6	1,4	120,7	129	22	3" x 0,095"
	98.148.121					84,3							51,6					3 1/2" x 0,095"
	98.148.130	SAE,2	125	70,0	-	71,6	4	9,0	12,2	-	-	65,0	51,6	1,4	100,0	129	24	3" x 0,095"
	98.148.131					84,3							51,6					3 1/2" x 0,095"
	98.148.140	SAE,1	121	80,0	-	71,6	4	9,0	12,2	80,902	58,778	65,0	51,6	1,8	-	129	24	3" x 0,095"
	98.148.141					84,3							51,6					3 1/2" x 0,095"
	98.148.150	SAE,1	133	80,0	-	71,6	4	8,0	12,2	95,26	55,0	62,0	51,6	2,6	-	129	24	3" x 0,095"
	98.148.151					84,3							51,6					3 1/2" x 0,095"
	98.148.160	SAE,2	116	69,8	-	71,6	4	9,0	12,2	-	-	65,0	51,6	1,4	95,3	129	25	3" x 0,095"
	98.148.161					84,3							51,6					3 1/2" x 0,095"
	98.148.200	XS,5	120	-	-	71,6	4	15,5	11,2			63,5	51,6	-	100,0	129	27	3" x 0,095"
	98.148.201					84,6							51,6					3 1/2" x 0,095"
	98.148.210	XS,5	120	-	-	71,6	4	15,5	11,2			45,0	51,6	-	100,0	129	25	3" x 0,095"
	98.148.211					84,6							51,6					3 1/2" x 0,095"
	98.148.220	XS,5	120	-	-	71,6	4	15,5	11,2			75,0	51,6	-	100,0	129	30	3" x 0,095"
	98.148.221					84,6							51,6					3 1/2" x 0,095"

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.

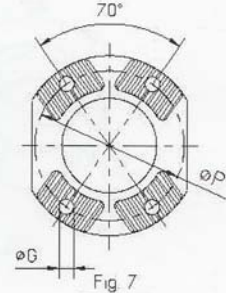
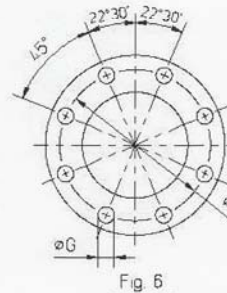
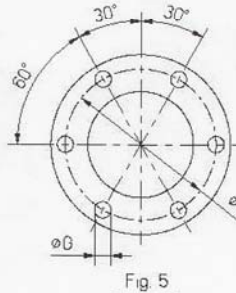
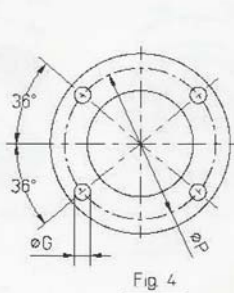
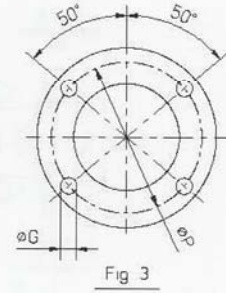
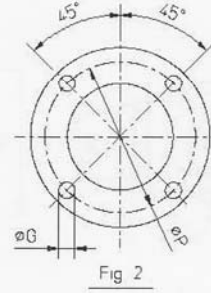
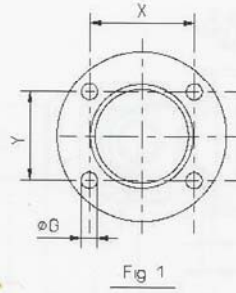
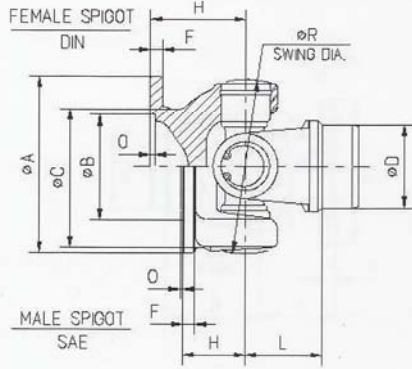
DIE MASSE UND ZEICHNUNGEN SIND UNIVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR

41



KAT-98/151

24/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NO	FIG.	A	B	C	D	E	F	G	X	Y	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPIXET KAL.
1510	98.151.010	DIN,6	120	75,0	81	71,6	8	8,0	10,2	-	-	75,0	71,4	2,8	101,5	136	22	3" x 0,095"
	98.151.011					84,6							71,4				22	3 1/2" x 0,095"
	98.151.020	DIN,6	150	90,0	103	71,6	8	11,0	12,2	-	-	90,0	71,4	3,4	130,0	136	22	3" x 0,095"
	98.151.021					84,6							71,4				22	3 1/2" x 0,095"
	98.151.030	DIN,6	150	90,0	103	71,6	8	11,0	10,2	-	-	90,0	71,4	3,4	130,0	136	22	3" x 0,095"
	98.151.031					84,6							71,4				22	3 1/2" x 0,095"
	98.151.040	DIN,6	165	95,0	109	71,6	8	11,0	16,2	-	-	90,0	71,4	3,4	140,0	136	22	3" x 0,095"
	98.151.041					84,6							71,4				22	3 1/2" x 0,095"
	98.151.050	DIN,6	120	75,0	80	71,6	8	8	8,1	-	-	75,0	71,4	3,0	101,5	136	22	3" x 0,095"
	98.151.051					84,6							71,4				22	3 1/2" x 0,095"
	98.151.100	SAE,3	146	95,2	-	71,6	4	9,1	12,8	-	-	63,5	71,4	1,6	120,7	136	22	3" x 0,095"
	98.151.101					84,6							71,4				22	3 1/2" x 0,095"
	98.151.110	SAE,3	146	95,2	-	71,6	4	9,1	14,4	-	-	63,5	71,4	1,6	120,7	136	22	3" x 0,095"
	98.151.111					84,6							71,4				22	3 1/2" x 0,095"
	98.151.120	SAE,6	130	82,5	90,0	71,6	8	9,0	10,1	-	-	75,0	71,4	2,8	112,0	136	22	3" x 0,095"
	98.151.121					84,6							71,4				22	3 1/2" x 0,095"
	98.151.130	SAE,3	146	95,2	-	71,6	4	9,1	14,2	-	-	63,5	71,4	1,8	120,7	136	22	3" x 0,095"
	98.151.131					84,6							71,4				22	3 1/2" x 0,095"
	98.151.200	SAE,1	133,0	80,0	84	71,6	4	9,0	12,3	95,26	55,0	75,0	71,4	2,6	-	136	22	3" x 0,095"
	98.151.201					84,6							71,4				22	3 1/2" x 0,095"
1630	98.151.210	SAE,5	120,0	80,0	82,5	71,6	6	7,0	10,1	-	-	75,0	71,4	2,0	101,6	136	22	3" x 0,095"
	98.151.211					84,6							71,4				22	3 1/2" x 0,095"
	98.151.210	SAE,4	150,0	90,0	100	71,6	4	10,0	14,2	-	-	88,0	71,4	3,2	120,0	136	22	3" x 0,095"
	98.151.211					84,6							71,4				22	3 1/2" x 0,095"
1630	98.163.010	DIN,6	150	90,0	103	83,4	8	11,0	12,2	-	-	90,0	81,0	3,4	130,0	136	22	90x3,5 mm
	98.163.100	SAE,6	175	168,2	127	83,4	8	9,5	9,7	-	-	82,5	81,0	2,0	155,5	136	35	90x3,5 mm
	98.163.200	XS,7	120	-	-	83,4	4	16,5	11,2	-	-	71,5	81,0	-	100,0	136	30	90x3,5 mm
381	98.381.200					85,1							80				25	Ø90x2,5 mm
	98.381.201	XS,7	120	-	-	84,3	4	15,5	11,1	-	-	70	80	-	100,0	126	25	Ø3,5"x,095"
	98.381.202					83,1							80				25	Ø90x3,5 mm
	98.381.210					85,1							80				22	Ø90x2,5 mm
	98.381.211	XS,7	120	-	-	84,3	4	16,0	11,1	-	-	65	80	-	100,0	126	22	Ø3,5"x,095"
	98.381.212					83,1							80				22	Ø90x3,5 mm
	98.381.220					85,1							80				10	Ø90x2,5 mm
	98.381.221	XS,7	120	-	-	84,3	4	16,5	11,1	-	-	52,5	80	-	100,0	126	10	Ø3,5"x,095"
	98.381.222					83,1							80				10	Ø90x3,5 mm

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGIT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.

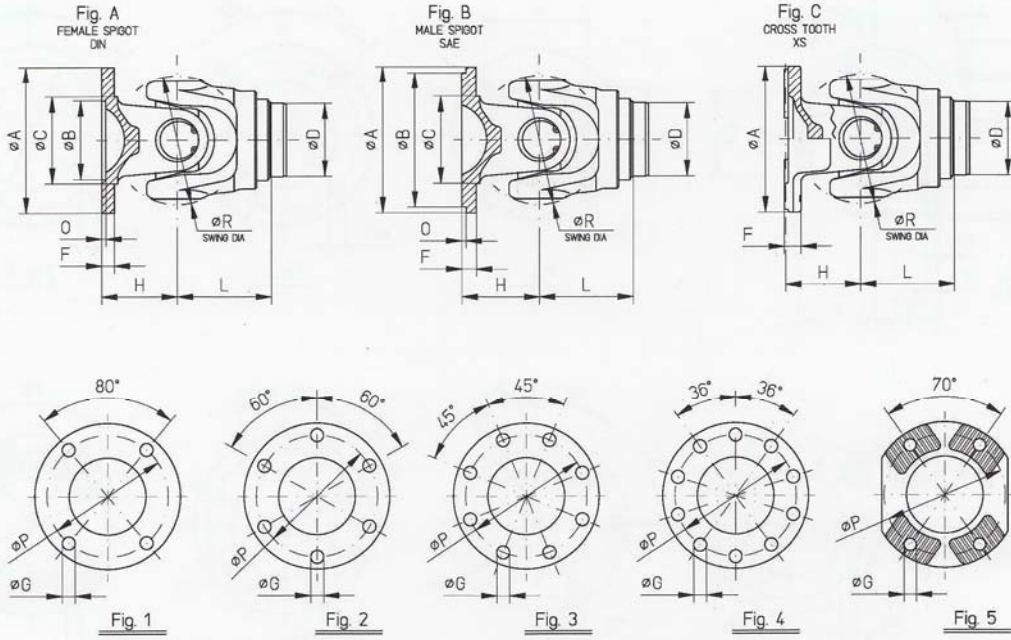
DIE MASSE UND ZEICHNUNGEN SIND UNVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

42

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR



KAT-98/385

23/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPİxET KAL.
385	98.385.010	DIN,3	150	90,0	104	82,1	8	12,0	12,2	75,0	101,0	3,5	130,0	148	24	Ø92x5 mm
	98.385.011					84,3					101,0				24	3½"x,095"
	98.385.020	DIN,3	165	95,0	109	82,1	8	12,0	16,2	82,5	101,0	3,0	140,0	148	24	Ø92x5 mm
	98.385.021					84,3					101,0				24	3½"x,095"
	98.385.030	DIN,3	180	110,0	119	82,1	8	12,0	14,2	82,5	101,0	3,5	155,5	148	24	Ø92x5 mm
	98.385.031					84,3					101,0				24	3½"x,095"
	98.385.040	DIN,3	180	110,0	119	82,1	8	12,0	16,2	82,5	101,0	3,5	155,5	148	24	Ø92x5 mm
	98.385.041					84,3					101,0				24	3½"x,095"
	98.385.050	DIN,3	180	110,0	119	82,1	8	12,0	12,2	82,5	101,0	3,5	155,5	148	24	Ø92x5 mm
	98.385.051					84,3					101,0				24	3½"x,095"
389	98.385.100	SAE,3	175	168,2	127	82,1	8	10,5	9,7	82,5	101,0	1,6	155,5	148	24	Ø92x5 mm
	98.385.101					84,3					101,0				24	3½"x,095"
	98.385.200	XS,5	150	-	-	82,1	4	18,5	13,1	75,0	101,0	-	130,0	148	24	Ø92x5 mm
	98.385.201					84,3					101,0				24	3½"x,095"
	98.385.210	XS,5	180	-	-	82,1	4	20,5	15,1	90,0	101,0	-	150,0	148	24	Ø92x5 mm
	98.385.211					84,3					101,0				24	3½"x,095"
	98.389.200					90,1					116,0				27	Ø100x5 mm
	98.389.201	XS,5	150	-	-	112,1	4	17,5	13,1	85,0	90,0	-	130,0	159	25	Ø120x4 mm
	98.389.202					112,1					86,0				25	Ø120x4 mm
	98.389.210					90,1					116,0				30	Ø100x5 mm
395	98.389.211	XS,5	180	-	-	112,1	4	19,5	15,1	92,5	90,0	-	150,0	159	25	Ø120x4 mm
	98.389.212					112,1					86,0				25	Ø120x4 mm
	98.389.220					90,1					116,0				44	Ø100x5 mm
	98.389.221	XS,5	150	-	-	112,1	4	17,5	15,1	100,0	90,0	-	150,0	159	25	Ø120x4 mm
	98.389.222					112,1					86,0				25	Ø120x4 mm
	98.389.230					90,1					116,0				36	Ø100x5 mm
	98.389.231	XS,5	165	-	-	112,1	4	17,5	13,1	97,0	90,0	-	140,0	159	25	Ø120x4 mm
	98.389.232					112,1					86,0				25	Ø120x4 mm
	98.395.100	DIN,4	180	110,0	124	98,1	10	14,0	16,2	95	116,0	3,5	155,5	178	25	Ø110x6 mm
	98.395.101					108,1					116,0				25	Ø120x6 mm
446	98.395.110	DIN,3	180	110,0	124	98,1	8	14,0	14,2	95	116,0	3,5	155,5	178	25	Ø110x6 mm
	98.395.111					108,1					116,0				25	Ø120x6 mm
	98.395.120	DIN,4	180	110,0	127	98,1	10	14,0	16,2	115	116,0	3,0	155,5	178	25	Ø110x6 mm
	98.395.121					108,1					116,0				25	Ø120x6 mm
	98.395.200	XS,5	180	-	-	98,1	4	17,5	15,1	95	116,0	-	150,0	178	25	Ø110x6 mm
468	98.446.200	XS,5	180	-	-	112,1	4	17,5	15,1	87	90,0	-	150,0	170	27	Ø120x4 mm
	98.446.201	XS,5	150	-	-	112,1	4	17,5	13,1	87	90,0	-	130,0	170	27	Ø120x4 mm
468	98.468.200	XS,5	180	-	-	98,1	4	19,5	15,1	100	126,0	-	150,0	178	22	Ø110x6 mm
	98.468.201	XS,5	150	-	-	130,1	4	19,5	15,1	100	145,0	-	150,0	178	22	Ø140x5 mm

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPİGOT DERİNLİĞİ

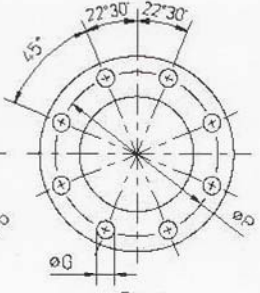
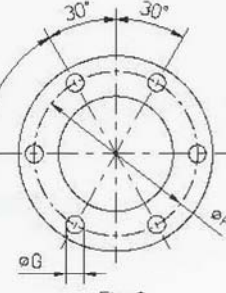
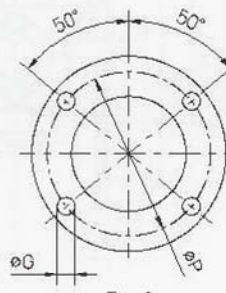
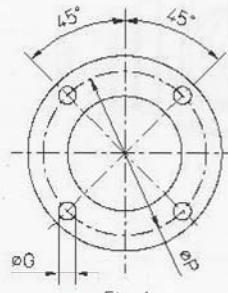
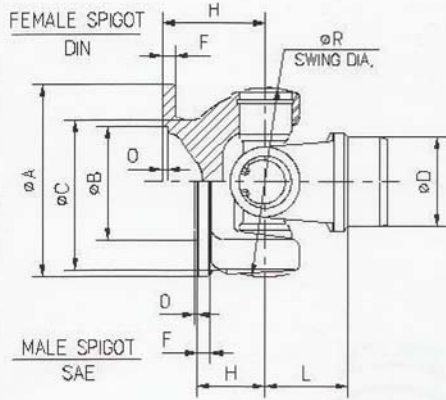
DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.
DIE MASSE UND ZEICHNUNGEN SIND UNVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

FIXED JOINTS / SCHWEISSZAPFENGELLENKE / SABİT MAFSALLAR

43



KAT-98/420

23/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPİxET KAL.
287	98.287.010	DIN,3	100	57,0	65	44,1	6	6,8	8,1	58,0	55,0	3,0	84,0	100	35	Ø50x3
	98.287.011					71,6					45,0				25	3"x,095"
	98.287.020	DIN,4	100	57,0	65	44,1	8	6,8	8,1	58,0	55,0	3,0	84,0	100	35	Ø50x3
	98.287.021					71,6					45,0				25	3"x,095"
	98.287.030	DIN,4	120	75,0	81	44,1	8	8,0	8,1	54,0	55,0	3,0	101,5	100	30	Ø50x3
420	98.287.031					71,6					45,0				25	3"x,095"
	98.420.010					73,3					45,0				25	Ø3"x,064"
	98.420.011	DIN,3	100	57,0	65	71,6	6	6,8	8,2	58,0	45,0	3,0	84,0	98	25	Ø3"x,095"
	98.420.012					44,1					55,0				35	Ø52x4 mm
	98.420.013					46,1					55,0				35	Ø54x4 mm
	98.420.020					73,3					45,0				25	Ø3"x,064"
	98.420.021	DIN,4	120	75,0	81	71,6	8	8,0	10,2	54,0	45,0	3,0	101,5	98	25	Ø3"x,095"
	98.420.022					44,1					55,0				30	Ø52x4 mm
	98.420.023					46,1					55,0				30	Ø54x4 mm
	98.420.100					73,3					45,0				25	Ø3"x,064"
	98.420.101	SAE,2	116	69,8	-	71,6	4	8,0	11,3	40,0	45,0	1,4	95,2	98	25	Ø3"x,095"
	98.420.102					44,1					55,0				25	Ø52x4 mm
	98.420.103					46,1					55,0				25	Ø54x4 mm
	98.420.110					73,3					45,0				25	Ø3"x,064"
	98.420.111	SAE,2	116	69,8	-	71,6	4	8,0	12,3	40,0	45,0	1,4	95,2	98	25	Ø3"x,095"
	98.420.112					44,1					55,0				25	Ø52x4 mm
	98.420.113					46,1					55,0				25	Ø54x4 mm
	98.420.120					73,3					45,0				25	Ø3"x,064"
	98.420.121	SAE,1	100	60,3	61	71,6	4	6,8	10,2	58,0	45,0	1,4	79,4	98	25	Ø3"x,095"
	98.420.122					44,1					55,0				35	Ø52x4 mm
	98.420.123					46,1					55,0				35	Ø54x4 mm
	98.420.130					73,3					45,0				25	Ø3"x,064"
	98.420.131	SAE,2	116	69,8	-	71,6	4	9,5	12,3	53,0	45,0	1,4	95,2	98	25	Ø3"x,095"
	98.420.132					44,1					55,0				30	Ø52x4 mm
	98.420.133					46,1					55,0				30	Ø54x4 mm
	98.420.140					44,1					45,0				25	Ø3"x,064"
	98.420.141	SAE,2	116	60,0	-	73,3	4	8,0	10,2	40,0	45,0	1,3	90,0	98	25	Ø3"x,095"
	98.420.142					71,6					55,0				35	Ø52x4 mm
	98.420.143					55,0					46,1				35	Ø54x4 mm

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β = JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.

DIE MASSE UND ZEICHNUNGEN SIND UNIVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEAENDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP, BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.

UZMAN KARDAN

44

FIXED JOINTS / SCHWEISSZAPFENGelenKE / SABİT MAFSALLAR

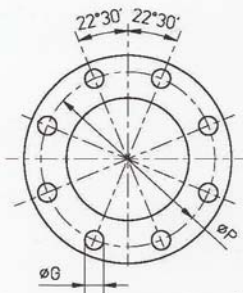
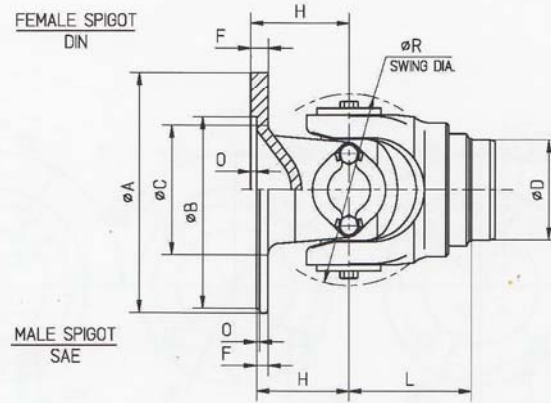


Fig. 1

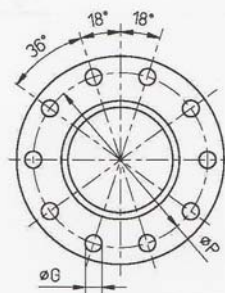


Fig. 2

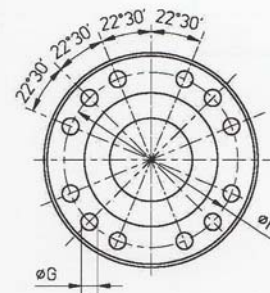


Fig. 3

KAT-98/171

24/12/2008

SERIE BAUGR SERI	JOINT NO GELENK NR MAFSAL NO	FIG.	A	B	C	D	E	F	G	H	L	O	P	R	β°	TUBE O.D.x THICK. ROHRDURCHM.xDICKE BORU ÇAPİxET KAL.
1710	98.171.010	DIN,1	165	95,0	109	83,2	8	12,0	16,2	98,0	100,0	3,4	140,0	200	33	3,5" x 0,120"
	98.171.011					80,0					100,0				33	3,5" x 0,188"
	98.171.012					95,0					77,0				22	4" x 0,134"
	98.171.013					82,1					100,0				33	Ø92 x 5
	98.171.100	SAE,1	203	196,8	160	83,2	8	9,5	9,7	76,2	100,0	2,4	184,1	200	33	3,5" x 0,120"
	98.171.101					80,0					100,0				33	3,5" x 0,188"
	98.171.102					95,0					77,0				22	4" x 0,134"
	98.171.103					82,1					100,0				33	Ø92 x 5
	98.171.110	SAE,3	203	196,8	160	83,2	12	9,5	11,3	76,2	100,0	2,4	184,1	200	33	3,5" x 0,120"
	98.171.111					80,0					100,0				33	3,5" x 0,188"
	98.171.112					95,0					77,0				22	4" x 0,134"
	98.171.113					82,1					100,0				33	Ø92 x 5
	98.171.120	SAE,1	175	168,2	127	83,2	8	10,5	9,7	98,0	100,0	2,4	155,6	200	33	3,5" x 0,120"
	98.171.121					80,0					100,0				33	3,5" x 0,188"
	98.171.122					95,0					77,0				22	4" x 0,134"
	98.171.123					82,1					100,0				33	Ø92 x 5
	98.171.130	SAE,1	203	196,8	160	83,2	8	9,5	11,3	76,2	100,0	2,4	184,1	200	33	3,5" x 0,120"
	98.171.131					80,0					100,0				33	3,5" x 0,188"
	98.171.132					95,0					77,0				22	4" x 0,134"
	98.171.133					82,1					100,0				33	Ø92 x 5
	98.171.140	SAE,1	203	163,5	160	83,2	8	9,5	9,8	74,5	100,0	1,7	184,1	200	33	3,5" x 0,120"
	98.171.141					80,0					100,0				33	3,5" x 0,188"
	98.171.142					95,0					77,0				22	4" x 0,134"
	98.171.143					82,1					100,0				33	Ø92 x 5
	98.171.150	SAE,1	203	196,8	160	83,2	8	9,5	10,2	76,2	100,0	1,7	184,1	200	33	3,5" x 0,120"
	98.171.151					80,0					100,0				33	3,5" x 0,188"
	98.171.152					95,0					77,0				22	4" x 0,134"
	98.171.153					82,1					100,0				33	Ø92 x 5
1810	98.181.010	DIN,2	180	110,0	119	80,0	10	12,0	16,2	102,5	92,0	3,0	155,5	217	33	3,5" x 0,188"
	98.181.011					98,1					92,0				33	110 x 6 mm
	98.181.100	SAE,3	203	196,8	157	80,0	12	11,2	11,3	86,0	92,0	3,0	184,1	217	33	3,5" x 0,188"
	98.181.101					98,1					92,0				33	110 x 6 mm
	98.181.110	SAE,2	203	196,8	157	80,0	8	11,2	9,7	86,0	92,0	3,0	184,1	217	33	3,5" x 0,188"
	98.181.111					98,1					92,0				33	110 x 6 mm

E= NUMBER OF HOLES / LOCHANZAHL / DELİK SAYISI

β= JOINT ANGLE / BEUGEWINKEL / MAFSAL AÇISI

O= SPIGOT DEPTH / ZENTRIERBOHRUNGSTIEFE / SPIGOT DERİNLİĞİ

DIMENSIONS AND ILLUSTRATIONS ARE SUBJECT TO CHANGE, AND WE RESERVE THE RIGHT TO INTRODUCE MODIFICATIONS WITHOUT PRIOR NOTICE.

DIE MASSE UND ZEICHNUNGEN SIND UNIVERBINDLICH UND KÖNNEN OHNE VORHERIGE BEKANTGABE GEÄNDERT WERDEN.

ÖLÇÜ VE RESİMLER BAĞLAYICI OLMAYIP , BİLDİRİLMESİZİN DEĞİŞTİRİLEBİLİRLER.