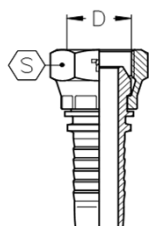


Draad identificatie en aanhaalmomenten

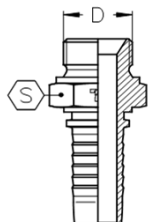
BSP draad - BS5200 / ISO 12151-6

BSP Wartels



BSP draad	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
		S	D	Nominaal	+10%	Maximum
1/8"-28	02BF	14	8,8	10	+10%	13
1/4"-19	04BF	19	11,8	20	+10%	25
3/8"-19	06BF	22	15,3	35	+10%	45
1/2"-14	08BF	27	19,0	60	+10%	80
5/8"-14	10BF	30	21,0	70	+10%	90
3/4"-14	12BF	32	24,5	115	+10%	140
1"-11	16BF	41	30,8	140	+10%	170
1 1/4"-11	20BF	50	39,3	210	+10%	280
1 1/2"-11	24BF	55	45,3	290	+10%	370
2"-11	32BF	70	57,2	400	+10%	500
1/4"-19	04MBOF	19	11,8	20	+10%	25
3/8"-19	06MBOF	22	15,3	35	+10%	45
1/2"-14	08MBOF	27	19,0	50	+10%	80
5/8"-14	10MBOF	30	21,0	60	+10%	90
3/4"-14	12MBOF	32	24,5	85	+10%	140
1"-11	16MBOF	41	30,8	115	+10%	170
1 1/4"-11	20MBOF	50	39,3	190	+10%	280
1 1/2"-11	24MBOF	55	45,3	240	+10%	370
2"-11	32MBOF	70	57,2	300	+10%	500

BSP Buitendraad

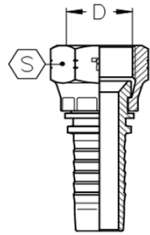


1/8"-28	02BM	14	9,6			
1/4"-19	04BM	19	13,0			
3/8"-19	06BM	22	16,5			
1/2"-14	08BM	27	20,8			
5/8"-14	10BM	30	22,8			
3/4"-14	12BM	32	26,3			
1"-11	16BM	41	33,1			
1 1/4"-11	20BM	50	41,7			
1 1/2"-11	24BM	55	47,6			
2"-11	32BM	70	59,4			

Draad identificatie en aanhaalmomenten

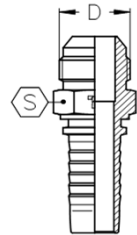
JIC 37° - SAE J516 / ISO 12151-5

JIC Wartels



JIC draad	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
		S	D	Nominaal	+10%	Maximum
7/16"-20	07JF	14	9,9	15	+10%	21
1/2"-20	08JF	17	11,5	20	+10%	27
9/16"-18	09JF	19	12,9	30	+10%	42
3/4"-16	12JF	22	17,5	50	+10%	70
7/8"-14	14JF	27	20,5	69	+10%	94
1 1/16"-12	17JF	32	25,0	98	+10%	133
1 3/16"-12	19JF	36	28,1	118	+10%	163
1 5/16"-12	21JF	41	31,3	140	+10%	190
1 5/8"-12	26JF	50	39,0	210	+10%	285
1 7/8"-12	30JF	60	45,5	290	+10%	380
2 1/2"-12	40JF	75	61,5	450	+10%	600

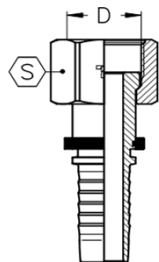
JIC Buitendraad



JIC draad	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
		S	D	Nominaal	+10%	Maximum
7/16"-20	07JM	12	11,0			
1/2"-20	08JM	14	12,6			
9/16"-18	09JM	15	14,2			
3/4"-16	12JM	19	18,9			
7/8"-14	14JM	24	22,1			
1 1/16"-12	17JM	27	26,8			
1 3/16"-12	19JM	32	30,0			
1 5/16"-12	21JM	34	33,2			
1 5/8"-12	26JM	42	41,1			
1 7/8"-12	30JM	50	47,4			
2 1/2"-12	40JM	65	63,3			

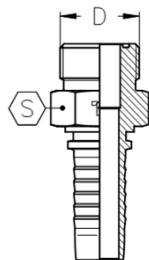
ORFS - SAE J516 / ISO 12151-1

ORFS Wartels



ORFS draad <i>Filettatura ORFS</i>	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
		S	D	Nominaal	±5%	Maximum
9/16"-18	04LORF	17	12,9	14	±5%	16
11/16"-16	06LORF	22	16,0	24	±5%	27
13/16"-16	08LORF	24	19,2	43	±5%	47
1"-14	10LORF	30	23,7	60	±5%	68
1 3/16"-12	12LORF	36	28,1	90	±5%	95
1 7/16"-12	16LORF	41	34,5	125	±5%	135
1 11/16"-12	20LORF	50	40,9	170	±5%	190
2"-12	24LORF	60	48,7	200	±5%	225

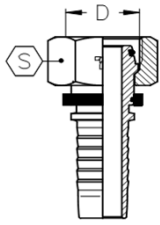
ORFS Buitendraad



ORFS draad	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
		S	D	Nominaal	±5%	Maximum
9/16"-18	04ORM	17	14,2			
11/16"-16	06ORM	19	17,3			
13/16"-16	08ORM	22	20,5			
1"-14	10ORM	27	25,1			
1 3/16"-12	12ORM	32	30,0			
1 7/16"-12	16ORM	41	36,3			
1 11/16"-12	20ORM	46	42,7			
2"-12	24ORM	55	50,6			

Draad identificatie en aanhaalmomenten

Metrische koppelingen - DIN 20066 / ISO 12151-2

Wartels	Metrische draad DKOL	GSS code	Afmetingen (mm)		Aanhaalmoment (N.m)		
			S	D	Nominaal		Maximum
						±5%	
	M12x1,5	12MSOF06	14	10,5	20	±5%	25
	M14x1,5	14MSOF08	17	12,5	38	±5%	45
	M16x1,5	16MSOF10	19	14,5	45	±5%	52
	M18x1,5	18MSOF12	22	16,5	51	±5%	58
	M22x1,5	22MSOF15	27	20,5	74	±5%	88
	M26x1,5	26MSOF18	32	24,5	105	±5%	125
	M30x2	30MSOF22	36	28,0	135	±5%	155
	M36x2	36MSOF28	41	34,0	166	±5%	192
	M45x2	45MSOF35	50	43,0	290	±5%	325
	M52x2	52MSOF42	60	50,0	330	±5%	380
	M14x1,5	14MSOF06	17	12,5	38	±5%	45
	M16x1,5	16MSOF08	19	14,5	45	±5%	52
	M18x1,5	18MSOF10	22	16,5	51	±5%	58
	M20x1,5	20MSOF12	24	18,5	58	±5%	65
	M22x1,5	22MSOF14	27	20,5	74	±5%	88
	M24x1,5	24MSOF16	30	22,5	74	±5%	88
	M30x2	30MSOF20	36	28,0	135	±5%	155
M36x2	36MSOF25	46	34,0	166	±5%	192	
M42x2	42MSOF30	50	40,0	240	±5%	270	
M52x2	52MSOF38	60	50,0	330	±5%	380	
Buitendraad	M12x1,5	12ME06	12	11,9			
M14x1,5	14ME08	14	13,9				
M16x1,5	16ME10	17	15,9				
M18x1,5	18ME12	19	17,9				
M22x1,5	22ME15	22	21,9				
M26x1,5	26ME18	27	25,9				
M30x2	30ME22	30	29,8				
M36x2	36ME28	36	35,8				
M45x2	45ME35	46	44,8				
M52x2	52ME42	55	51,8				
M14x1,5	14ME06	14	13,9				
M16x1,5	16ME08	17	15,9				
M18x1,5	18ME10	19	17,9				
M20x1,5	20ME12	22	19,9				
M22x1,5	22ME14	22	21,9				
M24x1,5	24ME16	24	23,9				
M30x2	30ME20	30	29,8				
M36x2	36ME25	36	35,8				
M42x2	42ME30	46	41,8				
M52x2	52ME38	55	51,8				