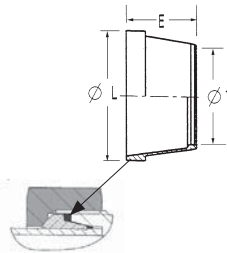




**1000
2000
3000**

DIN 3861

Snijring
Bague coupante
Cutting ring
Schneidring



1000-7

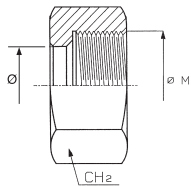
1000-7 ↔ 1000

Elastische dichting LL7
Joint elastique LL7
Elastic sealing LL7
Elastische Dichtung LL7

1

DIN 2353	Ø	BAR			L	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti					
LL	4				6	1000-04LL		3000-04LL	
	6				7	1000-06LL		3000-06LL	
	8				7	1000-08LL		3000-08LL	
L	6				9,5	1000-06L	2000-06L	3000-06L	
	8				9,5	1000-08L	2000-08L	3000-08L	
	10				10	1000-10L	2000-10L	3000-10L	
	12				10	1000-12L	2000-12L	3000-12L	
	15				10	1000-15L	2000-15L	3000-15L	
	18				10	1000-18L	2000-18L	3000-18L	
	22				10,5	1000-22L	2000-22L	3000-22L	
	28				10,5	1000-28L	2000-28L	3000-28L	
	35				13	1000-35L	2000-35L	3000-35L	
	42				13,5	1000-42L	2000-42L	3000-42L	
	S	6				9,5	1000-06S	2000-06S	3000-06S
		8				9,5	1000-08S	2000-08S	3000-08S
10					10	1000-10S	2000-10S	3000-10S	
12					10	1000-12S	2000-12S	3000-12S	
14					10	1000-14S	2000-14S	3000-14S	
16					10,5	1000-16S	2000-16S	3000-16S	
20					12,5	1000-20S	2000-20S	3000-20S	
25					12,5	1000-25S	2000-25S	3000-25S	
30					13	1000-30S	2000-30S	3000-30S	
38					13,5	1000-38S	2000-38S	3000-38S	

DIN 2353	Ø	BAR			ØL	E	NBR REF.	FPM (Viton®) REF.	
		Fe	CuZn	316Ti					
L	6				9,1	7,3	1000-7-06L	3000-7-06L	
	8				11,1	7,3	1000-7-08L	3000-7-08L	
	10				13,3	7,3	1000-7-10L	3000-7-10L	
	12				15,3	7,0	1000-7-12L	3000-7-12L	
	15				19,0	7,2	1000-7-15L	3000-7-15L	
	18				22,8	7,7	1000-7-18L	3000-7-18L	
	22				26,3	7,9	1000-7-22L	3000-7-22L	
	28				32,3	8,0	1000-7-28L	3000-7-28L	
	35				41,3	8,0	1000-7-35L	3000-7-35L	
	42				48,3	8,2	1000-7-42L	3000-7-42L	
	S	6				9,1	7,3	1000-7-06S	3000-7-06S
		8				11,1	7,3	1000-7-08S	3000-7-08S
10					13,3	7,3	1000-7-10S	3000-7-10S	
12					15,3	7,0	1000-7-12S	3000-7-12S	
14					18,8	7,2	1000-7-14S	3000-7-14S	
16					20,8	7,5	1000-7-16S	3000-7-16S	
20					25,8	9,3	1000-7-20S	3000-7-20S	
25					31,5	8,9	1000-7-25S	3000-7-25S	
30					37,3	8,2	1000-7-30S	3000-7-30S	
38					46,0	8,2	1000-7-38S	3000-7-38S	

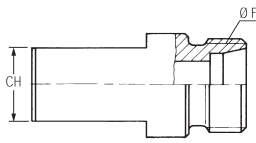


**1001
2001
3001**

DIN 3870

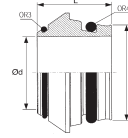
Moer
Ecrou
Nut
Mutter

DIN 2353	Ø	BAR			Ø M	CH2	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
LL	4				M 8x1	10	1001-04LL		3001-04LL	
	6				M10x1	12	1001-06LL		3001-06LL	
	8				M12x1	14	1001-08LL		3001-08LL	
L	6				M12x1,5	14	1001-06L	2001-06L	3001-06L	
	8				M14x1,5	17	1001-08L	2001-08L	3001-08L	
	10				M16x1,5	19	1001-10L	2001-10L	3001-10L	
	12				M18x1,5	22	1001-12L	2001-12L	3001-12L	
	15				M22x1,5	27	1001-15L	2001-15L	3001-15L	
	18				M26x1,5	32	1001-18L	2001-18L	3001-18L	
	22				M30x2	36	1001-22L	2001-22L	3001-22L	
	28				M36x2	41	1001-28L	2001-28L	3001-28L	
	35				M45x2	50	1001-35L	2001-35L	3001-35L	
	42				M52x2	60	1001-42L	2001-42L	3001-42L	
	S	6				M14x1,5	17	1001-06S	2001-06S	3001-06S
		8				M16x1,5	19	1001-08S	2001-08S	3001-08S
10					M18x1,5	22	1001-10S	2001-10S	3001-10S	
12					M20x1,5	24	1001-12S	2001-12S	3001-12S	
14					M22x1,5	27	1001-14S	2001-14S	3001-14S	
16					M24x1,5	30	1001-16S	2001-16S	3001-16S	
20					M30x2	36	1001-20S	2001-20S	3001-20S	
25					M36x2	46	1001-25S	2001-25S	3001-25S	
30					M42x2	50	1001-30S	2001-30S	3001-30S	
38					M52x2	60	1001-38S	2001-38S	3001-38S	



1002

Voormontageblok
Bloc de pré-sertissage
Pre-assembly adaptor
Vormontagestutzen



1003-0

3003-0

FLARE DIN 3949
Tussenring
Bague intermédiaire
O-ring adaptor
Zwischenring

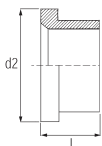
DIN 2353	Ø	BAR			ØF	CH	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6				M12x1,5	14	1002-06L		
	8				M14x1,5	17	1002-08L		
	10				M16x1,5	19	1002-10L		
	12				M18x1,5	22	1002-12L		
	15				M22x1,5	27	1002-15L		
	18				M26x1,5	32	1002-18L		
	22				M30x2	36	1002-22L		
	28				M36x2	41	1002-28L		
	35				M45x2	50	1002-35L		
	42				M52x2	60	1002-42L		
S	6				M14x1,5	17	1002-06S		
	8				M16x1,5	19	1002-08S		
	10				M18x1,5	22	1002-10S		
	12				M20x1,5	24	1002-12S		
	14				M22x1,5	27	1002-14S		
	16				M24x1,5	30	1002-16S		
	20				M30x2	36	1002-20S		
	25				M36x2	46	1002-25S		
	30				M42x2	50	1002-30S		
	38				M52x2	60	1002-38S		

DIN 2353	Ø	BAR			Ø d	L	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		500	3	11,5	1003-0-06L		3003-0-06L
	8	315		500	5	12	1003-0-08L		3003-0-08L
	10	315		500	6	12,5	1003-0-10L		3003-0-10L
	12	315		400	8	12,5	1003-0-12L		3003-0-12L
	15	315		400	11	12,5	1003-0-15L		3003-0-15L
	18	315		400	14	13	1003-0-18L		3003-0-18L
	22	160		250	17	14,2	1003-0-22L		3003-0-22L
	28	160		250	23	14,7	1003-0-28L		3003-0-28L
	35	160		250	28	18,5	1003-0-35L		3003-0-35L
	42	160		250	35	20,5	1003-0-42L		3003-0-42L
S	6	630		630	3	11,5	1003-0-06L		3003-0-06L
	8	630		630	5	12	1003-0-08L		3003-0-08L
	10	630		630	6	12,5	1003-0-10L		3003-0-10L
	12	630		630	8	12,5	1003-0-12L		3003-0-12L
	14	630		630	9	14	1003-0-14S		3003-0-14S
	16	400		630	11	15	1003-0-16S		3003-0-16S
	20	400		400	14	18,5	1003-0-20S		3003-0-20S
	25	400		400	19	20	1003-0-25S		3003-0-25S
	30	400		400	23	22	1003-0-30S		3003-0-30S
	38	315		400	30	26	1003-0-38S		3003-0-38S

1003-1

3003-1

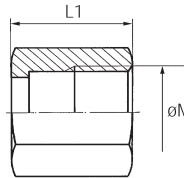
FLARE DIN 3949
Drukkring
Manchette
Flare sleeve
Druckring



1003-2

3003-2

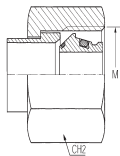
FLARE DIN 3949
Moer
Ecrou
Nut
Mutter



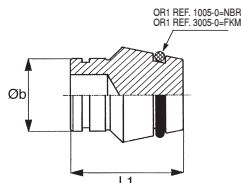
DIN 2353	Ø	BAR			L	d2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		500	10,5	18,2	1003-1-06L		3003-1-06L
	8	315		500	11	12,2	1003-1-08L		3003-1-08L
	10	315		500	12,5	14,2	1003-1-10L		3003-1-10L
	12	315		400	13	16,2	1003-1-12L		3003-1-12L
	15	315		400	14	20,2	1003-1-15L		3003-1-15L
	18	315		400	14,5	24,2	1003-1-18L		3003-1-18L
	22	160		250	18	27,8	1003-1-22L		3003-1-22L
	28	160		250	17	33,8	1003-1-28L		3003-1-28L
	35	160		250	19	42,7	1003-1-35L		3003-1-35L
	42	160		250	21	49,7	1003-1-42L		3003-1-42L
S	6	630		630	10,5	10,2	1003-1-06L		3003-1-06L
	8	630		630	11	12,2	1003-1-08L		3003-1-08L
	10	630		630	12,5	14,2	1003-1-10L		3003-1-10L
	12	630		630	13	16,2	1003-1-12L		3003-1-12L
	14	630		630	14,5	20,2	1003-1-14S		3003-1-14S
	16	400		630	17	22	1003-1-16S		3003-1-16S
	20	400		400	17,5	27,8	1003-1-20S		3003-1-20S
	25	400		400	20	32,8	1003-1-25S		3003-1-25S
	30	400		400	21,5	39	1003-1-30S		3003-1-30S
	38	315		400	26,5	48,5	1003-1-38S		3003-1-38S

DIN 2353	Ø	BAR			Ø M	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		500	M12x1,5	18	1003-2-06L		3003-2-06L
	8	315		500	M14x1,5	19	1003-2-08L		3003-2-08L
	10	315		500	M16x1,5	20,5	1003-2-10L		3003-2-10L
	12	315		400	M18x1,5	21,5	1003-2-12L		3003-2-12L
	15	315		400	M22x1,5	24	1003-2-15L		3003-2-15L
	18	315		400	M26x1,5	23	1003-2-18L		3003-2-18L
	22	160		250	M30x2	27,5	1003-2-22L		3003-2-22L
	28	160		250	M36x2	27,5	1003-2-28L		3003-2-28L
	35	160		250	M45x2	30	1003-2-35L		3003-2-35L
	42	160		250	M52x2	34	1003-2-42L		3003-2-42L
S	6	630		630	M14x1,5	19	1003-2-06S		3003-2-06S
	8	630		630	M16x1,5	20	1003-2-08S		3003-2-08S
	10	630		630	M18x1,5	21,5	1003-2-10S		3003-2-10S
	12	630		630	M20x1,5	22	1003-2-12S		3003-2-12S
	14	630		630	M22x1,5	24	1003-2-14S		3003-2-14S
	16	400		630	M24x1,5	26,5	1003-2-16S		3003-2-16S
	20	400		400	M30x2	27,5	1003-2-20S		3003-2-20S
	25	400		400	M36x2	30,5	1003-2-25S		3003-2-25S
	30	400		400	M42x2	32	1003-2-30S		3003-2-30S
	38	315		400	M52x2	38	1003-2-38S		3003-2-38S

INDEX



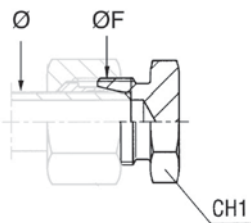
1004-0
3004-0
FLARE DIN 3949
Set
Ensemble
Set
Satz



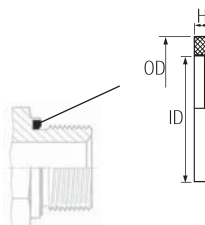
1005-0
3005-0
DIN 3870
Blindplug
Bouchon
Blanking plug
Verschlußbutzen

DIN 2353	Ø	BAR			Ø M	CH2	Fe/ZN REF.	CuZn REF.	AlSi 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		500	M12x1,5	14	1004-0-06L		3004-0-06L
	8	315		500	M14x1,5	17	1004-0-08L		3004-0-08L
	10	315		500	M16x1,5	19	1004-0-10L		3004-0-10L
	12	315		400	M18x1,5	22	1004-0-12L		3004-0-12L
	15	315		400	M22x1,5	27	1004-0-15L		3004-0-15L
	18	315		400	M26x1,5	32	1004-0-18L		3004-0-18L
	22	160		250	M30x2	36	1004-0-22L		3004-0-22L
	28	160		250	M36x2	41	1004-0-28L		3004-0-28L
	35	160		250	M45x2	50	1004-0-35L		3004-0-35L
	42	160		250	M52x2	60	1004-0-42L		3004-0-42L
S	6	630		630	M14x1,5	17	1004-0-06S		3004-0-06S
	8	630		630	M16x1,5	19	1004-0-08S		3004-0-08S
	10	630		630	M18x1,5	22	1004-0-10S		3004-0-10S
	12	630		630	M20x1,5	24	1004-0-12S		3004-0-12S
	14	630		630	M22x1,5	27	1004-0-14S		3004-0-14S
	16	400		630	M24x1,5	30	1004-0-16S		3004-0-16S
	20	400		400	M30x2	36	1004-0-20S		3004-0-20S
	25	400		400	M36x2	46	1004-0-25S		3004-0-25S
	30	400		400	M42x2	50	1004-0-30S		3004-0-30S
	38	315		400	M52x2	60	1004-0-38S		3004-0-38S

DIN 2353	Ø	BAR			Ø b	L1	Fe/ZN REF.	CuZn REF.	AlSi 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	6	18,5	1005-0-06L		3005-0-06L
	8	315		250	8	18	1005-0-08L		3005-0-08L
	10	315		250	10	19,5	1005-0-10L		3005-0-10L
	12	315		250	12	19	1005-0-12L		3005-0-12L
	15	315		250	15	19	1005-0-15L		3005-0-15L
	18	315		160	18	22	1005-0-18L		3005-0-18L
	22	160		160	22	22	1005-0-22L		3005-0-22L
	28	160		100	28	23,5	1005-0-28L		3005-0-28L
	35	160		100	35	27	1005-0-35L		3005-0-35L
	42	160		100	42	27,5	1005-0-42L		3005-0-42L
S	6	630		630	6	18,5	1005-0-06S		3005-0-06S
	8	630		630	8	18	1005-0-08S		3005-0-08S
	10	630		630	10	19,5	1005-0-10S		3005-0-10S
	12	630		630	12	19	1005-0-12S		3005-0-12S
	14	630		630	14	21	1005-0-14S		3005-0-14S
	16	400		400	16	22	1005-0-16S		3005-0-16S
	20	400		400	20	26,5	1005-0-20S		3005-0-20S
	25	400		400	25	27,5	1005-0-25S		3005-0-25S
	30	400		250	30	28,5	1005-0-30S		3005-0-30S
	38	315		250	38	32,5	1005-0-38S		3005-0-38S



1005-1
3005-1
Blindplug voor buis
Bouchon pour tube
Blanking plug for tube end
Verschlußbutzen für Rohrende



1006-ED
3006-EDV
DIN 3869 (85 IRHD)
Elastische dichtring ED
Joint élastique ED
Elastic sealing ED
Elastische Abdichtung ED

DIN 2353	Ø	BAR			ØF	Ch1	Fe/ZN REF.	CuZn REF.	AlSi 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315			M12x1,5	12	1005-1-06L		3005-1-06L
	8	315			M14x1,5	14	1005-1-08L		3005-1-08L
	10	315			M16x1,5	17	1005-1-10L		3005-1-10L
	12	315			M18x1,5	19	1005-1-12L		3005-1-12L
	15	315			M22x1,5	24	1005-1-15L		3005-1-15L
	18	315			M26x1,5	27	1005-1-18L		3005-1-18L
	22	160			M30x2	32	1005-1-22L		3005-1-22L
	28	160			M36x2	41	1005-1-28L		3005-1-28L
	35	160			M45x2	46	1005-1-35L		3005-1-35L
	42	160			M52x2	55	1005-1-42L		3005-1-42L
S	6	630			M14x1,5	14	1005-1-06S		3005-1-06S
	8	630			M16x1,5	17	1005-1-08S		3005-1-08S
	10	630			M18x1,5	19	1005-1-10S		3005-1-10S
	12	630			M20x1,5	22	1005-1-12S		3005-1-12S
	14	630			M22x1,5	24	1005-1-14S		3005-1-14S
	16	400			M24x1,5	27	1005-1-16S		3005-1-16S
	20	400			M30x2	32	1005-1-20S		3005-1-20S
	25	400			M36x2	41	1005-1-25S		3005-1-25S
	30	400			M42x2	46	1005-1-30S		3005-1-30S
	38	315			M52x2	55	1005-1-38S		3005-1-38S

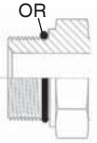
BSPP	ID	OD	H	NBR (85 IRHD)		VITON®
				REF.	REF.	
G1/8	8,5	12	1	1006-ED-10		3006-EDV-10
G1/4	11,4	16,5	1,5	1006-ED-14		3006-EDV-14
G3/8	14,8	19	1,5	1006-ED-16		3006-EDV-16
G1/2	18,6	24	1,5	1006-ED-21		3006-EDV-21
G3/4	24	29	1,5	1006-ED-27		3006-EDV-27
G1	30	36	2	1006-ED-33		3006-EDV-33
G1.1/4	39,2	46	2	1006-ED-42		3006-EDV-42
G1.1/2	45,2	51	2	1006-ED-48		3006-EDV-48
DIN 13 METR.	ID	OD	H	NBR REF.		VITON® REF.
M10x1	8,5	8,5	1,2	1006-ED-10		3006-EDV-10
M12x1,5	9,9	15	1,5	1006-ED-12		3006-EDV-12
M14x1,5	11,4	16,5	1,5	1006-ED-14		3006-EDV-14
M16x1,5	14,8	19	1,5	1006-ED-16		3006-EDV-16
M18x1,5	15,9	21	1,5	1006-ED-18		3006-EDV-18
M20x1,5	17,9	23	1,5	1006-ED-20		3006-EDV-20
M22x1,5	19,9	24,5	1,5	1006-ED-22		3006-EDV-22
M27x2	24	29	1,5	1006-ED-27		3006-EDV-27
M33x2	30	36	2	1006-ED-33		3006-EDV-33
M42x2	39,2	46	2	1006-ED-42		3006-EDV-42
M48x2	4	5,2	51	1006-ED-48		3006-EDV-48

INDEX

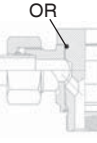
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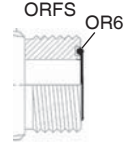
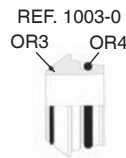
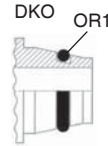


REF. 1045



1006-OR
3006-ORV

O-ring
Joint torique
O-ring
O-Ring

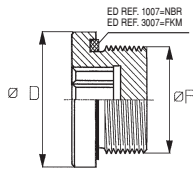


IDxH mm	OR			OR1	OR3	OR4	OR5	OR6	NBR (85 IRHD) REF.	VITON® (85 IRHD) REF.
	REF. 1013 (UNF)	REF. 1045		DIN 2353 DKO	DIN 2353	DIN 2353 DIN	BSP	ORFS dash-UNF		
4x1,5 4,4x0,8 6x0,8 6x1 6x1,5				6L 8L/8S	6L 8L/8S	6L 8L	G1/4"		1006-OR-06 1006-OR-4,4x0,8 1006-OR-6,0x0,8 1006-OR-6,0x1,0 1006-OR-08	3006-ORV-06 3006-ORV-4,4x0,8 3006-ORV-6,0x0,8 3006-ORV-6,0x1,0 3006-ORV-08
7,5x0,8 7,5x1,5 7,65x1,78 8x1 8,1x1,6		G1/8"/M10		10L/10S	10L	10L	G3/8"	04-9/16"	1006-OR-7,5x0,8 1006-OR-10 1006-OR-7,65x1,78 1006-OR-8,0x1,0 1006-OR-8,1x1,6	3006-ORV-7,5x0,8 3006-ORV-10 3006-ORV-7,65x1,78 3006-ORV-8,0x1,0 3006-ORV-8,1x1,6
8,92x1,83 9x1,5 9,25x1,78 9,5x0,8 10x1	7/16"			12L/12S	12L	12L		06-11/16"	1006-OR-8,92x1,83 1006-OR-12 1006-OR-9,25x1,78 1006-OR-9,5x0,8 1006-OR-10,0x1,0	3006-ORV-8,92x1,83 3006-ORV-1 3006-ORV-9,25x1,78 3006-ORV-9,5x0,8 3006-ORV-10,0x1,0
10x2 11x1 11,1x1,78 11,9x1,98 12x1	9/16"	G1/4"/M12/M14		14S	14S	14S			1006-OR-14 1006-OR-11,0x1,0 1006-OR-11,1x1,78 1006-OR-11,9x1,98 1006-OR-12,0x1,0	3006-ORV-14 3006-ORV-11,0x1,0 3006-ORV-11,1x1,78 3006-ORV-11,9x1,98 3006-ORV-12,0x1,0
12,1x1,6 12x2 12,42x1,78 12,5x0,8 12,5x1				15L/16S	15L 16S	15L/16S	G1/2"	08-13/16"	1006-OR-12,1x1,6 1006-OR-15 1006-OR-12,42x1,78 1006-OR-12,5x0,8 1006-OR-12,5x1,0	3006-ORV-12,1x1,6 3006-ORV-15 3006-ORV-12,42x1,78 3006-ORV-12,5x0,8 3006-ORV-12,5x1,0
13,1x1,6 14x1 14x1,78 15x1 15x2		G3/8"/M16		18L	18L	18L	G5/8"		1006-OR-13,1x1,6 1006-OR-14,0x1,0 1006-OR-14,0x1,78 1006-OR-15,0x1,0 1006-OR-18	3006-ORV-13,1x1,6 3006-ORV-14,0x1,0 3006-ORV-14,0x1,78 3006-ORV-15,0x1,0 3006-ORV-18
15,6X1,78 16x1 16x2,5 16,3x2,4 16,36x2,2	3/4"			20S	20S	20S		10-1"	1006-OR-15,6X1,78 1006-OR-16,0x1,0 1006-OR-16,0x2,5 1006-OR-20 1006-OR-16,36x2,2	3006-ORV-15,6X1,78 3006-ORV-16,0x1,0 3006-ORV-16,0x2,5 3006-ORV-20 3006-ORV-16,36x2,2
17,1x1,6 18x1 18,77x1,78 19,18x2,46 20x1	7/8"	G1/2"/M18/M20/M22		22L 25S	22L 25S	22L 25S	G3/4"	12-1.3/16"	1006-OR-17,1x1,6 1006-OR-18,0x1,0 1006-OR-18,77x1,78 1006-OR-19,18x2,46 1006-OR-20,0x1,0	3006-ORV-17,1x1,6 3006-ORV-18,0x1,0 3006-ORV-18,77x1,78 3006-ORV-19,18x2,46 3006-ORV-20,0x1,0
20x2 20x2,5 20,3x2,4 22x1 23x1				22L 25S	22L 25S	22L 25S			1006-OR-22 1006-OR-20,0x2,5 1006-OR-25 1006-OR-22,0x1,0 1006-OR-23,0x1,0	3006-ORV-22 3006-ORV-20,0x2,5 3006-ORV-25 3006-ORV-22,0x1,0 3006-ORV-23,0x1,0
22,1x1,6 23,47x2,95 23,52x1,78 23,81x2,62 25x1	1.1/16"	G3/4"/M26/M27		30S	30S	30S	G1"	16-1.7/16"	1006-OR-22,1x1,6 1006-OR-23,47x2,95 1006-OR-23,52x1,78 1006-OR-23,81x2,62 1006-OR-25,0x1,0	3006-ORV-22,1x1,6 3006-ORV-23,47x2,95 3006-ORV-23,52x1,78 3006-ORV-23,81x2,62 3006-ORV-25,0x1,0
25x2,5 25,3x2,4 26x2 28x1 29,1x1,6				30S 28L	30S 28L	30S 28L	G1.1/4"		1006-OR-25,0x2,5 1006-OR-30 1006-OR-28 1006-OR-28,0x1,0 1006-OR-29,1x1,6	3006-ORV-25,0x2,5 3006-ORV-30 3006-ORV-28 3006-ORV-28,0x1,0 3006-ORV-29,1x1,6
29,74x2,95 29,82x2,62 29,87x1,78 30x1 32x1,78	1.5/16"	G1"/M33		35L 38S	35L 38S	35L 38S		20-1.11/16"	1006-OR-29,74x2,95 1006-OR-29,82x2,62 1006-OR-29,87x1,78 1006-OR-30,0x1,0 1006-OR-32x1,78	3006-ORV-29,74x2,95 3006-ORV-29,82x2,62 3006-ORV-29,87x1,78 3006-ORV-30,0x1,0 3006-ORV-32x1,78
32x2,5 33x2,5 33,3x2,4 35x1 35,1x1,6				35L 38S	35L 38S	35L 38S	G1.1/2"		1006-OR-35 1006-OR-33,0x2,5 1006-OR-38 1006-OR-35,0x1,0 1006-OR-35,1x1,6	3006-ORV-35 3006-ORV-33,0x2,5 3006-ORV-38 3006-ORV-35,0x1,0 3006-ORV-35,1x1,6
37x1 37,46x3 37,77x2,62 37,82x1,78 38x1	1.5/8"	G1.1/4"/M42		42L	42L	42L		24-1.7/8"	1006-OR-37,0x1,0 1006-OR-37,46x3 1006-OR-37,77x2,62 1006-OR-37,82x1,78 1006-OR-38,0x1,0	3006-ORV-37,0x1,0 3006-ORV-37,46x3 3006-ORV-37,77x2,62 3006-ORV-37,82x1,78 3006-ORV-38,0x1,0
38x2,5 41,28x3,53 42x1 48,1x1,6		G1.1/2"/M48		42L	42L	42L	G2"		1006-OR-42 1006-OR-41,28x3,53 1006-OR-42,0x1,0 1006-OR-48,1x1,6	3006-ORV-42 3006-ORV-41,28x3,53 3006-ORV-42,0x1,0 3006-ORV-48,1x1,6

INDEX



Fe/Zn -35/+100°C



ØF, DIN 3852/2 Form (D)E 15.7/15.8

1007

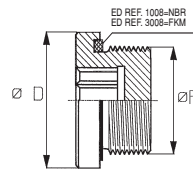
3007

BSPP

Draadplug
Bouchon fileté
Threaded plug
Verschlußschraube



Fe/Zn -35/+100°C



ØF, DIN 3852/2 Form (D)E 15.7/15.8

1008

3008

METR.

Draadplug
Bouchon fileté
Threaded plug
Verschlußschraube

1

DIN 2353	Ø	BAR ¹⁾			Ø F	Ø D	Fe/Zn	CuZn	AISI 316Ti
		Fe	CuZn	316Ti			REF.	REF.	REF.
		400		400	G1/8	14	1007-02		3007-02
		400		400	G1/4	19	1007-04		3007-04
		400		400	G3/8	22	1007-06		3007-06
		400		400	G1/2	27	1007-08		3007-08
		400		400	G3/4	32	1007-12		3007-12
		400		400	G1	40	1007-16		3007-16
		250		250	G1.1/4	50	1007-20		3007-20
		250		250	G1.1/2	55	1007-24		3007-24
		250			G2		1007-32		

1) = PB, F = 2.5 1.34 & 1.35

DIN 2353	Ø	BAR ¹⁾			Ø F	Ø D	Fe/Zn	CuZn	AISI 316Ti
		Fe	CuZn	316Ti			REF.	REF.	REF.
		400		400	M10x1	14	1008-M10		3008-M10
		400		400	M12x1.5	17	1008-M12		3008-M12
		400		400	M14x1.5	19	1008-M14		3008-M14
		400		400	M16x1.5	22	1008-M16		3008-M16
		400		400	M18x1.5	24	1008-M18		3008-M18
		400		400	M20x1.5		1008-M20		
		400		400	M22x1.5	27	1008-M22		3008-M22
		400		400	M26x1.5	32	1008-M26		3008-M26
		400		400	M27x2	32	1008-M27		3008-M27
		400		400	M33x2	40	1008-M33		3008-M33
		250		250	M42x2	50	1008-M42		3008-M42
		250		250	M48x2	55	1008-M48		3008-M48

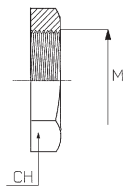
1) = PB, F = 2.5 1.34 & 1.35

1009

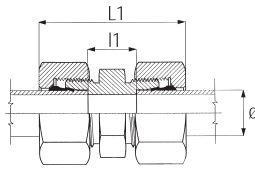
3009

METR.

Contra-moer
Contre-écrou
Lock nut
Gegenmutter

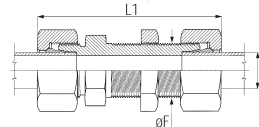


DIN 2353	Ø	BAR			Ø M	CH	Fe/Zn	CuZn	AISI 316Ti
		Fe	CuZn	316Ti			REF.	REF.	REF.
L	6				M12x1.5	17	1009-06L		3009-06L
	8				M14x1.5	19	1009-08L		3009-08L
	10				M16x1.5	22	1009-10L		3009-10L
	12				M18x1.5	24	1009-12L		3009-12L
	15				M22x1.5	30	1009-15L		3009-15L
	18				M26x1.5	36	1009-18L		3009-18L
	22				M30x2	41	1009-22L		3009-22L
	28				M36x2	46	1009-28L		3009-28L
	35				M45x2	55	1009-35L		3009-35L
	42				M52x2	65	1009-42L		3009-42L
S	6				M14x1.5	19	1009-06S		3009-06S
	8				M16x1.5	22	1009-08S		3009-08S
	10				M18x1.5	24	1009-10S		3009-10S
	12				M20x1.5	27	1009-12S		3009-12S
	14				M22x1.5	30	1009-14S		3009-14S
	16				M24x1.5	32	1009-16S		3009-16S
	20				M30x2	41	1009-20S		3009-20S
	25				M36x2	46	1009-25S		3009-25S
	30				M42x2	50	1009-30S		3009-30S



**1010
2010
3010**

Rechte koppeling
Union double
Straight coupling
Gerade Verschraubung

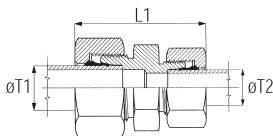


**1011
2011
3011**

Rechte schotschroefkoppeling
Union double de cloison
Straight screw bulkhead coupling
Gerade Schott Verschraubung

DIN	2353	Ø	BAR			L1	l1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
LL	4	100		100	31	12	1010-04LL		3010-04LL	
	6	100		100	32	9	1010-06LL		3010-06LL	
	8	100		100	35	12	1010-08LL		3010-08LL	
L	6	315	160	250	39	10	1010-06L	2010-06L	3010-06L	
	8	315	160	250	40	11	1010-08L	2010-08L	3010-08L	
	10	315	160	250	42	13	1010-10L	2010-10L	3010-10L	
	12	315	160	250	43	14	1010-12L	2010-12L	3010-12L	
	15	315	160	250	46	16	1010-15L	2010-15L	3010-15L	
	18	315	160	160	48	16	1010-18L	2010-18L	3010-18L	
	22	160	80	160	52	20	1010-22L	2010-22L	3010-22L	
	28	160	80	100	54	21	1010-28L	2010-28L	3010-28L	
	35	160	80	100	63	20	1010-35L	2010-35L	3010-35L	
	42	160	80	100	66	21	1010-42L	2010-42L	3010-42L	
	S	6	630	250	630	45	16	1010-06S	2010-06S	3010-06S
		8	630	250	630	47	18	1010-08S	2010-08S	3010-08S
10		630	250	630	49	17	1010-10S	2010-10S	3010-10S	
12		630	250	630	51	19	1010-12S	2010-12S	3010-12S	
14		630	250	630	57	22	1010-14S	2010-14S	3010-14S	
16		400	180	400	57	21	1010-16S	2010-16S	3010-16S	
20		400	180	400	66	23	1010-20S	2010-20S	3010-20S	
25		400	180	400	74	26	1010-25S	2010-25S	3010-25S	
30		400	180	250	80	27	1010-30S	2010-30S	3010-30S	
38		315	120	250	90	29	1010-38S	2010-38S	3010-38S	

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	6	315	160	250	M12x1,5	64	1011-06L	2011-06L	3011-06L	
	8	315	160	250	M14x1,5	65	1011-08L	2011-08L	3011-08L	
	10	315	160	250	M16x1,5	68	1011-10L	2011-10L	3011-10L	
	12	315	160	250	M18x1,5	69	1011-12L	2011-12L	3011-12L	
	15	315	160	250	M22x1,5	73	1011-15L	2011-15L	3011-15L	
	18	315	160	160	M26x1,5	79	1011-18L		3011-18L	
	22	160		160	M30x2	84	1011-22L		3011-22L	
	28	160		100	M36x2	87	1011-28L		3011-28L	
	35	160		100	M45x2	98	1011-35L		3011-35L	
	42	160		100	M52x2	101	1011-42L		3011-42L	
	S	6	630	250	630	M14x1,5	71	1011-06S		3011-06S
		8	630	250	630	M16x1,5	72	1011-08S	2011-08S	3011-08S
10		630	250	630	M18x1,5	77	1011-10S	2011-10S	3011-10S	
12		630	250	630	M20x1,5	78	1011-12S	2011-12S	3011-12S	
14		630	250	630	M22x1,5	85	1011-14S		3011-14S	
16		400		400	M24x1,5	85	1011-16S		3011-16S	
20		400		400	M30x2	94	1011-20S		3011-20S	
25		400		400	M36x2	103	1011-25S		3011-25S	
30		400		250	M42x2	112	1011-30S		3011-30S	
38		315		250	M52x2	113	1011-38S		3011-38S	

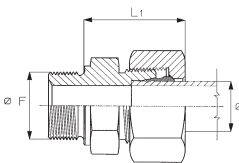


**1012
3012**

Rechte verloopkoppeling
Union de réduction
Straight reducing coupling
Reduzierschraubung

DIN	2353	T1	BAR			T2	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	8	315		250	6	41	1012-08x06L		3012-08x06L	
	10	315		250	6	42	1012-10x06L		3012-10x06L	
	10	315		250	8	42	1012-10x08L		3012-10x08L	
	12	315		250	6	42	1012-12x06L		3012-12x06L	
	12	315		250	8	42	1012-12x08L		3012-12x08L	
	12	315		250	10	44	1012-12x10L		3012-12x10L	
	15	315		250	10	45	1012-15x10L		3012-15x10L	
	15	315		250	12	45	1012-15x12L		3012-15x12L	
	18	315		250	10	45	1012-18x10L		3012-18x10L	
	18	315		160	12	47	1012-18x12L		3012-18x12L	
	18	315		160	15	48	1012-18x15L		3012-18x15L	
	22	160		160	12	50	1012-22x12L		3012-22x12L	
	22	160		160	15	50	1012-22x15L		3012-22x15L	
	22	160		160	18	51	1012-22x18L		3012-22x18L	
	28	160		100	18	52	1012-28x18L		3012-28x18L	
	28	160		100	22	54	1012-28x22L		3012-28x22L	
	35	160		100	22	59	1012-35x22L		3012-35x22L	
	35	160		100	28	59	1012-35x28L		3012-35x28L	
42	160		100	28	62	1012-42x28L		3012-42x28L		
42	160		100	35	66	1012-42x35L		3012-42x35L		
S	8	630		630	6	48	1012-08x06S		3012-08x06S	
	10	630		630	6	49	1012-10x06S		3012-10x06S	
	10	630		630	8	49	1012-10x08S		3012-10x08S	
	12	630		630	6	51	1012-12x06S		3012-12x06S	
	12	630		630	8	51	1012-12x08S		3012-12x08S	
	12	630		630	10	52	1012-12x10S		3012-12x10S	

DIN	2353	Ø	BAR			T2	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
S	14	630		630	10	55	1012-14x10S		3012-14x10S	
	14	630		630	12	55	1012-14x12S		3012-14x12S	
	16	400		400	12	55	1012-16x12S		3012-16x12S	
	16	400		400	14	58	1012-16x14S		3012-16x14S	
	20	400		400	10	59,5	1012-20x10S		3012-20x10S	
	20	400		400	12	59,5	1012-20x12S		3012-20x12S	
	20	400		400	14	63	1012-20x14S		3012-20x14S	
	20	400		400	16	63	1012-20x16S		3012-20x16S	
	25	400		400	16	68	1012-25x16S		3012-25x16S	
	25	400		400	20	71	1012-25x20S		3012-25x20S	
	30	400		400	20	74	1012-30x20S		3012-30x20S	
	30	400		400	25	77	1012-30x25S		3012-30x25S	
	38	315		315	25	84	1012-38x25S		3012-38x25S	
	38	315		315	30	87	1012-38x30S		3012-38x30S	



**1013
2013
3013**

BSPP

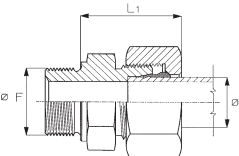
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Male stud coupling
Gerade Einschraubverschraubung

ØF, DIN 3852 Form B 15.7/15.8

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn	CuZn	AISI 316Ti
			Fe	CuZn	316Ti			REF.	REF.	REF.
L	6	315	160	250	G1/8	23	1013-06LR	2013-06LR	3013-06LR	
	6	315	160	250	G1/4	24.5	1013-06LR1/4	2013-06LR1/4	3013-06LR1/4	
	8	315	160	250	G3/8	26	1013-08LR3/8		3013-08LR3/8	
	8	315	160	250	G1/8	24	1013-08LR1/8	2013-08LR1/8	3013-08LR1/8	
	8	315	160	250	G1/4	25	1013-08LR	2013-08LR	3013-08LR	
	8	315	160	250	G3/8	26.5	1013-08LR3/8	2013-08LR3/8	3013-08LR3/8	
	8	315	160	250	G1/2	27	1013-08LR1/2		3013-08LR1/2	
	10	315	160	250	G1/8	25.5	1013-10LR1/8		3013-10LR1/8	
	10	315	160	250	G1/4	26	1013-10LR	2013-10LR	3013-10LR	
	10	315	160	250	G3/8	27.5	1013-10LR3/8	2013-10LR3/8	3013-10LR3/8	
	10	315	160	250	G1/2	28	1013-10LR1/2	2013-10LR1/2	3013-10LR1/2	
	12	315	160	250	G1/4	26.5	1013-12LR1/4	2013-12LR1/4	3013-12LR1/4	
	12	315	160	250	G3/8	27	1013-12LR		3013-12LR	
	12	315	160	250	G1/2	27.5	1013-12LR1/2	2013-12LR1/2	3013-12LR1/2	
	12	315	160	250	G3/4	28.5	1013-12LR3/4		3013-12LR3/4	
	15	315	160	250	G3/8	29	1013-15LR3/8		3013-15LR3/8	
	15	315	160	250	G1/2	29	1013-15LR	2013-15LR	3013-15LR	
	15	315	160	250	G3/4	30	1013-15LR3/4		3013-15LR3/4	
	18	315	160	160	G3/8	30.5	1013-18LR3/8		3013-18LR3/8	
	18	315	160	160	G1/2	31	1013-18LR	2013-18LR	3013-18LR	
18	315	160	160	G3/4	31	1013-18LR3/4		3013-18LR3/4		
L	22	160	160	160	G1/2	33	1013-22LR1/2		3013-22LR1/2	
	22	160	80	160	G3/4	33	1013-22LR	2013-22LR	3013-22LR	
	22	160	160	160	G1	34	1013-22LR1		3013-22LR1	
	28	160	100	100	G3/4	34	1013-28LR3/4		3013-28LR3/4	
	28	160	80	100	G1	34	1013-28LR	2013-28LR	3013-28LR	
	35	160	80	100	G1	40	1013-35LR1		3013-35LR1	
	35	160	80	100	G1.1/4	39	1013-35LR	2013-35LR	3013-35LR	
	42	160	80	100	G1.1/2	42	1013-42LR	2013-42LR	3013-42LR	

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn	CuZn	AISI 316Ti
			Fe	CuZn	316Ti			REF.	REF.	REF.
L	6	630 ¹⁾	250	630 ¹⁾	G1/4	28	1013-06SR	2013-06SR	3013-06SR	
	8	630 ¹⁾	250	630 ¹⁾	G1/4	30	1013-08SR	2013-08SR	3013-08SR	
	8	630 ¹⁾	250	630 ¹⁾	G3/8	30.5	1013-08SR3/8		3013-08SR3/8	
	10	630 ¹⁾	250	630 ¹⁾	G1/4	30.5	1013-10SR1/4		3013-10SR1/4	
	10	630 ¹⁾	250	630 ¹⁾	G3/8	31	1013-10SR	2013-10SR	3013-10SR	
	10	630 ¹⁾	250	630 ¹⁾	G1/2	33.5	1013-10SR1/2		3013-10SR1/2	
	12	630 ¹⁾	250	630 ¹⁾	G1/4	32.5	1013-12SR1/4		3013-12SR1/4	
	12	630 ¹⁾	250	630 ¹⁾	G3/8	33	1013-12SR	2013-12SR	3013-12SR	
	12	630 ¹⁾	250	630 ¹⁾	G1/2	33.5	1013-12SR1/2	2013-12SR1/2	3013-12SR1/2	
	14	630 ¹⁾	250	630 ¹⁾	G3/8	36.5	1013-14SR3/8	2013-14SR3/8	3013-14SR3/8	
	14	630 ¹⁾	250	630 ¹⁾	G1/2	37	1013-14SR	2013-14SR	3013-14SR	
	S	16	400 ¹⁾	180	400 ¹⁾	G3/8	37	1013-16SR3/8		3013-16SR3/8
		16	400 ¹⁾	180	400 ¹⁾	G1/2	37	1013-16SR	2013-16SR	3013-16SR
		16	400 ¹⁾	180	400 ¹⁾	G3/4	39	1013-16SR3/4		3013-16SR3/4
20		400 ¹⁾	180	400 ¹⁾	G1/2	42	1013-20SR1/2		3013-20SR1/2	
20		400 ¹⁾	180	400 ¹⁾	G3/4	42	1013-20SR	2013-20SR	3013-20SR	
20		400 ¹⁾	180	400 ¹⁾	G1	44	1013-20SR1		3013-20SR1	
25		400 ¹⁾	180	400 ¹⁾	G1/2	44	1013-25SR1/2		3013-25SR1/2	
25		400 ¹⁾	180	400 ¹⁾	G3/4	47	1013-25SR3/4		3013-25SR3/4	
25		400 ¹⁾	180	400 ¹⁾	G1	47	1013-25SR	2013-25SR	3013-25SR	
30		250 ¹⁾		250 ¹⁾	G3/4	50	1013-30SR3/4		3013-30SR3/4	
30	250 ¹⁾		250 ¹⁾	G1	50	1013-30SR1		3013-30SR1		
30	250 ¹⁾	180	250 ¹⁾	G1.1/4	50	1013-30SR	2013-30SR	3013-30SR		
38	250 ¹⁾		250 ¹⁾	G1	57	1013-38SR1		3013-38SR1		

1) = PB, F = 2.5 1.34 & 1.35



**1013
3013**

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Male stud coupling
Gerade Einschraubverschraubung

ØF, DIN 3852 Form B 15.7/15.8

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn	CuZn	AISI 316Ti
			Fe	CuZn	316Ti			REF.	REF.	REF.
LL	4	100		100	M8x100n	26	1014-04LLM		3014-04LLM	
	6	100		100	M10x100n	26	1014-06LLM		3014-06LLM	
	8	100		100	M10x100n	28	1014-08LLM		3014-08LLM	
L	6	315		250	M10x1	23	1013-06LLM		3013-06LLM	
	8	315		250	M12x1.5	25	1013-08LLM		3013-08LLM	
	10	315		250	M14x1.5	26	1013-10LLM		3013-10LLM	
	10	315		250	M16x1.5	27.5	1013-10LLM16		3013-10LLM16	
	10	315		250	M18x1.5	27.5	1013-10LLM18		3013-10LLM18	
	10	315		250	M22x1.5	29	1013-10LLM22		3013-10LLM22	
	12	315		250	M14x1.5	27	1013-12LLM14		3013-12LLM14	
	12	315		250	M16x1.5	27	1013-12LLM		3013-12LLM	
	12	315		250	M18x1.5	27	1013-12LLM18		3013-12LLM18	
	12	315		250	M22x1.5	28.5	1013-12LLM22		3013-12LLM22	
	15	315		250	M16x1.5	29	1013-15LLM16		3013-15LLM16	
	15	315		250	M18x1.5	29	1013-15LLM		3013-15LLM	
	15	315		250	M22x1.5	30.5	1013-15LLM22		3013-15LLM22	
	18	315		160	M18x1.5	30.5	1013-18LLM18		3013-18LLM18	
	18	315		160	M22x1.5	31	1013-18LLM		3013-18LLM	
	18	315		160	M26x1.5	31	1013-18LLM26		3013-18LLM26	
	L	22	160		160	M22x1.5	33	1013-22LLM22		3013-22LLM22
		22	160		160	M26x1.5	33	1013-22LLM		3013-22LLM
28		160		100	M33x2	34	1013-28LLM		3013-28LLM	
35		160		100	M42x2	39	1013-35LLM		3013-35LLM	
42		160		100	M48x2	42	1013-42LLM		3013-42LLM	

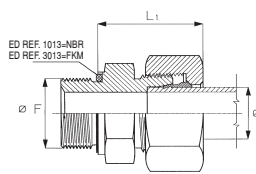
DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn	CuZn	AISI 316Ti
			Fe	CuZn	316Ti			REF.	REF.	REF.
L	6	630 ¹⁾		630 ¹⁾	M12x1.5	28	1013-06SM		3013-06SM	
	8	630 ¹⁾		630 ¹⁾	M14x1.5	30	1013-08SM		3013-08SM	
	10	630 ¹⁾		630 ¹⁾	M16x1.5	31	1013-10SM		3013-10SM	
	12	630 ¹⁾		630 ¹⁾	M16x1.5	29	1013-12SM16		3013-12SM16	
	12	630 ¹⁾		630 ¹⁾	M18x1.5	33	1013-12SM		3013-12SM	
	14	630 ¹⁾		630 ¹⁾	M22x1.5	33.5	1013-12SM22		3013-12SM22	
S	16	400 ¹⁾		400 ¹⁾	M20x1.5	37	1013-16SM20		3013-16SM20	
	16	400 ¹⁾		400 ¹⁾	M22x1.5	37	1013-16SM		3013-16SM	
	20	400 ¹⁾		400 ¹⁾	M27x2	42	1013-20SM		3013-20SM	
	25	400 ¹⁾		400 ¹⁾	M27x2	47	1013-25SM27		3013-25SM27	
	25	400 ¹⁾		400 ¹⁾	M33x2	47	1013-25SM		3013-25SM	
	30	250 ¹⁾		250 ¹⁾	M42x2	50	1013-30SM		3013-30SM	
38	250 ¹⁾		250 ¹⁾	M48x2	57	1013-38SM		3013-38SM		

1) = PB, F = 2 1.34 & 1.35

2) = PB, F = 2.5 1.34 & 1.35

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ED REF. 1013-NBR
ED REF. 3013-FKM

Ø F, DIN 3852/2 Form (D)E 15.7/15.8

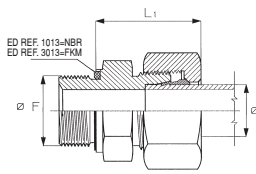
1013 DE
3013 DE

BSPP

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Union mâle
Male stud coupling
Gerade Einschraubverschraubung

DIN	2353	BAR			Ø F	L1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	G1/8	23	1013-06LRDE		3013-06LRDE
	6	315		250	G1/4	25	1013-08LRDE1/4		3013-08LRDE1/4
	8	315		250	G1/8	24,5	1013-08LRDE1/8		3013-08LRDE1/8
	8	315		250	G1/4	25	1013-08LRDE		3013-08LRDE
	8	315		250	G3/8	26,5	1013-08LRDE3/8		3013-08LRDE3/8
	10	315		250	G1/4	26	1013-10LRDE		3013-10LRDE
	10	315		250	G3/8	27,5	1013-10LRDE3/8		3013-10LRDE3/8
	10	315		250	G1/2	28	1013-10LRDE1/2		3013-10LRDE1/2
	12	315		250	G1/4	27,5	1013-12LRDE1/4		3013-12LRDE1/4
	12	315		250	G3/8	27,5	1013-12LRDE		3013-12LRDE
	12	315		250	G1/2	27,5	1013-12LRDE1/2		3013-12LRDE1/2
	15	315		250	G3/8	28,5	1013-15LRDE3/8		3013-15LRDE3/8
	15	315		250	G1/2	29	1013-15LRDE		3013-15LRDE
	18	315		160	G1/2	31	1013-18LRDE		3013-18LRDE
	18	315		160	G3/4	31	1013-18LRDE3/4		3013-18LRDE3/4
	22	160		160	G3/4	33	1013-22LRDE		3013-22LRDE
	28	160		100	G1	34	1013-28LRDE		3013-28LRDE
	35	160		100	G1.1/4	39	1013-35LRDE		3013-35LRDE
42	160		100	G1.1/2	42	1013-42LRDE		3013-42LRDE	

DIN	2353	BAR			Ø F	L1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	6	630		630	G1/4	28	1013-06SRDE		3013-06SRDE
	8	630		630	G1/4	30	1013-08SRDE		3013-08SRDE
	8	630		630	G3/8	30,5	1013-08SRDE3/8		3013-08SRDE3/8
	10	630		630	G1/4	30,5	1013-10SRDE1/4		3013-10SRDE1/4
	10	630		630	G3/8	31	1013-10SRDE		3013-10SRDE
	10	630		630	G1/2	33,5	1013-10SRDE1/2		3013-10SRDE1/2
	12	630		630	G1/4	32,5	1013-12SRDE1/4		3013-12SRDE1/4
	12	630		630	G3/8	33	1013-12SRDE		3013-12SRDE
	12	630		630	G1/2	33,5	1013-12SRDE1/2		3013-12SRDE1/2
	14	630		630	G1/2	37	1013-14SRDE		3013-14SRDE
	16	400		400	G3/8	36,5	1013-16SRDE3/8		3013-16SRDE3/8
	16	400		400	G1/2	37	1013-16SRDE		3013-16SRDE
	16	400		400	G3/4	39	1013-16SRDE3/4		3013-16SRDE3/4
	20	400		400	G3/4	42	1013-20SRDE		3013-20SRDE
20	400		400	G1	42	1013-20SRDE1		3013-20SRDE1	
25	400		400	G3/4	47	1013-25SRDE3/4		3013-25SRDE3/4	
25	400		400	G1	47	1013-25SRDE		3013-25SRDE	
30	400		250	G1.1/4	50	1013-30SRDE		3013-30SRDE	
38	315		250	G1.1/2	57	1013-38SRDE		3013-38SRDE	



ED REF. 1013-NBR
ED REF. 3013-FKM

Ø F, DIN 3852/2 Form (D)E 15.7/15.8

1013 DE
3013 DE

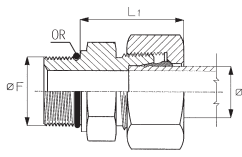
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Union mâle
Male stud coupling
Gerade Einschraubverschraubung

DIN	2353	BAR			Ø F	L1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	M10x1	23	1013-06LMDE		3013-06LMDE
	8	315		250	M12x1,5	25	1013-08LMDE		3013-08LMDE
	10	315		250	M14x1,5	26	1013-10LMDE		3013-10LMDE
	10	315		250	M16x1,5	27,5	1013-10LMDE16		3013-10LMDE16
	10	315		250	M18x1,5	27,5	1013-10LMDE18		3013-10LMDE18
	12	315		250	M16x1,5	27	1013-12LMDE		3013-12LMDE
	12	315		250	M18x1,5	33	1013-12LMDE18		3013-12LMDE18
	12	315		250	M22x1,5	28,5	1013-12LMDE22		3013-12LMDE22
	15	315		250	M18x1,5	29	1013-15LMDE		3013-15LMDE
	15	315		250	M22x1,5	31	1013-15LMDE22		3013-15LMDE22
	18	315		160	M22x1,5	31	1013-18LMDE		3013-18LMDE
	22	160		160	M26x1,5	33	1013-22LMDE		3013-22LMDE
	28	160		100	M33x2	34	1013-28LMDE		3013-28LMDE
	35	160		100	M42x2	39	1013-35LMDE		3013-35LMDE
	42	160		100	M48x2	42	1013-42LMDE		3013-42LMDE

DIN	2353	BAR			Ø F	L1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	6	630		630	M12x1,5	28	1013-06SMDE		3013-06SMDE
	8	630		630	M14x1,5	30	1013-08SMDE		3013-08SMDE
	10	630		630	M16x1,5	31	1013-10SMDE		3013-10SMDE
	12	630		630	M18x1,5	33	1013-12SMDE		3013-12SMDE
	14	630		630	M20x1,5	37	1013-14SMDE		3013-14SMDE
	16	400		400	M22x1,5	37	1013-16SMDE		3013-16SMDE
	20	400		400	M27x2	42	1013-20SMDE		3013-20SMDE
	25	400		400	M33x2	47	1013-25SMDE		3013-25SMDE
	30	400		250	M42x2	50	1013-30SMDE		3013-30SMDE
	38	315		250	M48x2	57	1013-38SMDE		3013-38SMDE

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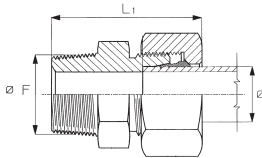
ØF, DIN 3852 Form F 15.7/15.8

1013
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UN(F)
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Union mâle
Male stud coupling
Gerade Einschraubverschraubung

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
L	8	315		250	7/16-20UNF	28	1013-08-04L		3013-08-04L	
	10	315		250	7/16-20UNF	29	1013-10-04L		3013-10-04L	
	12	315		250	7/16-20UNF	29	1013-12-04L		3013-12-04L	
	12	315		250	9/16-18UNF	27	1013-12-06L		3013-12-06L	
	12	315		250	3/4-16UNF	28	1013-12-08L		3013-12-08L	
	12	315		250	7/8-14UNF	29	1013-12-10L		3013-12-10L	
	15	315		250	3/4-16UNF	29	1013-15-08L		3013-15-08L	
	15	315		250	7/8-14UNF	30,5	1013-15-10L		3013-15-10L	
	18	315		160	3/4-16UNF	29,5	1013-18-08L		3013-18-08L	
	18	315		160	7/8-14UNF	29,5	1013-18-10L		3013-18-10L	
	L	22	160		160	7/8-14UNF	33	1013-22-10L		3013-22-10L
		22	160		160	1.1/16-12UN	33	1013-22-12L		3013-22-12L
		22	160		160	1.5/16-12UN	34	1013-22-16L		3013-22-16L
		28	160		100	1.1/16-12UN	34	1013-28-12L		3013-28-12L
		28	160		100	1.5/16-12UN	34	1013-28-16L		3013-28-16L
		35	160		100	1.5/16-12UN	39	1013-35-16L		3013-35-16L
		35	160		100	1.5/8-12UN	39	1013-35-20L		3013-35-20L
		42	160		100	1.5/8-12UN	42	1013-42-20L		3013-42-20L

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
S	8	630		630	7/16-20UNF	30	1013-08-04S		3013-08-04S	
	10	630		630	9/16-18UNF	31	1013-10-06S		3013-10-06S	
	12	630		630	9/16-18UNF	31	1013-12-06S		3013-12-06S	
	12	630		630	3/4-16UNF	34	1013-12-08S		3013-12-08S	
	S	16	400		400	3/4-16UNF	34	1013-16-08S		3013-16-08S
		16	400		400	7/8-14UNF	37	1013-16-10S		3013-16-10S
		20	400		400	3/4-16UNF	42	1013-20-08S		3013-20-08S
		20	400		400	7/8-14UNF	42	1013-20-10S		3013-20-10S
		20	400		400	1.1/16-12UN	42	1013-20-12S		3013-20-12S
		25	400		400	1.1/16-12UN	47	1013-25-12S		3013-25-12S
		25	400		400	1.5/16-12UN	47	1013-25-16S		3013-25-16S
		30	400		250	1.5/16-12UN	50	1013-30-16S		3013-30-16S
30		400		250	1.5/8-12UN	50	1013-30-20S		3013-30-20S	
38		315		250	1.5/8-12UN	42	1013-38-20S		3013-38-20S	

1014
3014
BSPT
Rechte inschroeffkoppeling
Union mâle
Male stud coupling
Gerade Einschraubverschraubung



ØF, DIN 3852 Form C 15.7/15.8

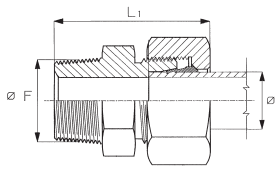
DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	R1/8	26	1014-04LLR		3014-04LLR	
	6	100		100	R1/8	26	1014-06LLR		3014-06LLR	
	8	100		100	R1/8	28	1014-08LLR		3014-08LLR	
	8	100		100	R1/4	33	1014-08LLR1/4		3014-08LLR1/4	
L	6	315		250	R1/8	32	1014-06LR		3014-06LR	
	6	315		250	R1/4	36	1014-06LR1/4		3014-06LR1/4	
	8	315		250	R1/4	36	1014-08LR		3014-08LR	
	8	315		250	R3/8	37	1014-08LR3/8		3014-08LR3/8	
	10	315		250	R1/4	37	1014-10LR		3014-10LR	
	10	315		250	R3/8	38	1014-10LR3/8		3014-10LR3/8	
	12	315		250	R1/4	38	1014-12LR1/4		3014-12LR1/4	
	12	315		250	R3/8	38	1014-12LR		3014-12LR	
	12	315		250	R1/2	41	1014-12LR1/2		3014-12LR1/2	
	15	315		250	R3/8	39	1014-15LR3/8		3014-15LR3/8	
	15	315		250	R1/2	42	1014-15LR		3014-15LR	
	18	315		160	R1/2	44	1014-18LR		3014-18LR	
	L	22	160		160	R3/4	48	1014-22LR		3014-22LR
		28	160		100	R1	51	1014-28LR		3014-28LR
		35	160		100	R1.1/4	58	1014-35LR		3014-35LR
		42	160		100	R1.1/2	61	1014-42LR		3014-42LR

DIN	2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
S	6	630 ¹⁾		630 ¹⁾	R1/4	41	1014-06SR		3014-06SR	
	8	630 ¹⁾		630 ¹⁾	R1/4	41	1014-08SR		3014-08SR	
	10	630 ¹⁾		630 ¹⁾	R3/8	42	1014-10SR		3014-10SR	
	12	630 ¹⁾		630 ¹⁾	R3/8	44	1014-12SR		3014-12SR	
	12	630 ¹⁾		630 ¹⁾	R1/2	47,5	1014-12SR1/2		3014-12SR1/2	
	14	630 ¹⁾		630 ¹⁾	R1/2	50	1014-14SR		3014-14SR	
	S	16	400 ¹⁾		400 ¹⁾	R1/2	50	1014-16SR		3014-16SR
		20	400 ¹⁾		400 ¹⁾	R3/4	57	1014-20SR		3014-20SR
		25	400 ¹⁾		400 ¹⁾	R1	64	1014-25SR		3014-25SR
		30	250 ¹⁾		250 ¹⁾	R1.1/4	68	1014-30SR		3014-30SR
	38	250 ¹⁾		250 ¹⁾	R1.1/2	76	1014-38SR		3014-38SR	

1) = PB, F = 2,5 1.34 & 1.35

INDEX

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Ø F, Threadseal 15.7/15.8

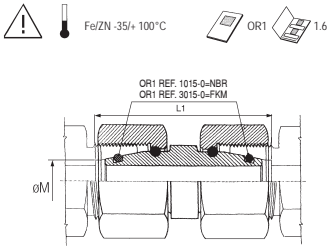
1014
2014
3014

NPTF

Rechte inschroefkoppeling
Union mâle
Male stud coupling
Gerade Einschraubverschraubung

DIN 2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
LL	4	100		100	1/8NPTF	28	1014-04x1/8LL			
	6	100		100	1/8NPTF	28	1014-06x1/8LL			
	8	100		100	1/8NPTF	30	1014-08x1/8LL			
L	6	315	160	250	1/8NPTF	32	1014-06x1/8L	2014-06x1/8L	3014-06x1/8L	
	6	315	250	250	1/4NPTF	38	1014-06x1/4L		3014-06x1/4L	
	6	315	250	250	1/2NPTF	44	1014-06x1/2L		3014-06x1/2L	
	8	315	160	250	1/4NPTF	38	1014-08x1/4L	2014-08x1/4L	3014-08x1/4L	
	8	315	160	250	3/8NPTF	39	1014-08x3/8L		3014-08x3/8L	
	10	315	250	250	3/8NPTF	39,5	1014-10x3/8L		3014-10x3/8L	
	12	315	160	250	1/4NPTF	40	1014-12x1/4L	2014-12x1/4L	3014-12x1/4L	
	12	315	160	250	3/8NPTF	40	1014-12x3/8L		3014-12x3/8L	
	12	315	160	250	1/2NPTF	45	1014-12x1/2L	2014-12x1/2L	3014-12x1/2L	
	15	315	250	250	3/8NPTF	41,5	1014-15x3/8L		3014-15x3/8L	
	15	315	250	250	1/2NPTF	46	1014-15x1/2L		3014-15x1/2L	
	18	315	160	250	1/2NPTF	48	1014-18x1/2L		3014-18x1/2L	
	18	315	160	250	3/4NPTF	48,5	1014-18x3/4L		3014-18x3/4L	
		22	160	160	160	3/4NPTF	50	1014-22x3/4L		3014-22x3/4L
		28	160	100	100	1NPTF	56	1014-28x1L		3014-28x1L
		35	160	100	100	1.1/4NPTF	62	1014-35x1.1/4L		3014-35x1.1/4L
		42	160	100	100	1.1/2NPTF	65	1014-42x1.1/2L		3014-42x1.1/2L

DIN 2353	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
S	6	630		630	1/4NPTF	43	1014-06x1/4S		3014-06x1/4S	
	8	630		630	1/4NPTF	43	1014-08x1/4S		3014-08x1/4S	
	10	630		630	3/8NPTF	44	1014-10x3/8S		3014-10x3/8S	
	10	630		630	1/4NPTF	44	1014-10x1/4S		3014-10x1/4S	
	12	630		630	3/8NPTF	46	1014-12x3/8S		3014-12x3/8S	
	12	630		630	1/2NPTF	51	1014-12x1/2S		3014-12x1/2S	
	14	630		630	1/2NPTF	54	1014-14x1/2S		3014-14x1/2S	
		16	400		400	1/2NPTF	54	1014-16x1/2S		3014-16x1/2S
		20	400		400	3/4NPTF	59	1014-20x3/4S		3014-20x3/4S
		25	400		400	1NPTF	69	1014-25x1S		3014-25x1S
		30	400		250	1NPTF	66,5	1014-30x1S		3014-30x1S
		30	400		250	1.1/4NPTF	73	1014-30x1.1/4S		3014-30x1.1/4S
		38	315		250	1.1/2NPTF	80	1014-38x1.1/2S		3014-38x1.1/2S



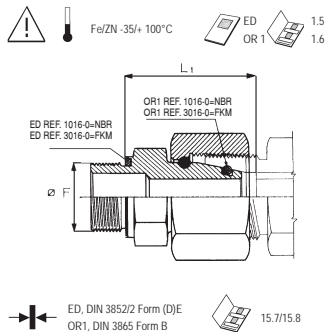
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1015-0
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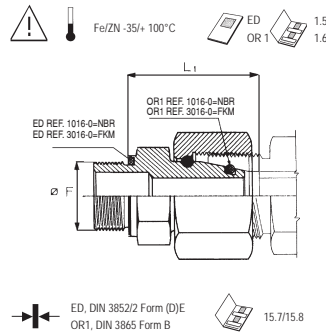
Rechte schroefverbinding
Union double
Straight threaded coupling
Gerade Doppelverschraubung

DIN 2353	Ø	BAR			Ø M	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	315		250	M12x1,5	35	1015-0-06L		3015-0-06L	
	8	315		250	M14x1,5	35	1015-0-08L		3015-0-08L	
	10	315		250	M16x1,5	33,4	1015-0-10L		3015-0-10L	
	12	315		250	M18x1,5	37	1015-0-12L		3015-0-12L	
	15	315		250	M22x1,5	37	1015-0-15L		3015-0-15L	
	18	315		160	M26x1,5	39	1015-0-18L		3015-0-18L	
		22	160		160	M30x2	41,4	1015-0-22L		3015-0-22L
		28	160		100	M36x2	44,4	1015-0-28L		3015-0-28L
		35	160		100	M45x2	52,8	1015-0-35L		3015-0-35L
		42	160		100	M52x2	53,6	1015-0-42L		3015-0-42L
S	6	630		630	M14x1,5	35	1015-0-06S		3015-0-06S	
	8	630		630	M16x1,5	34	1015-0-08S		3015-0-08S	
	10	630		630	M18x1,5	38,4	1015-0-10S		3015-0-10S	
	12	630		630	M20x1,5	37	1015-0-12S		3015-0-12S	
	14	630		630	M22x1,5	41	1015-0-14S		3015-0-14S	
		16	400		400	M24x1,5	43	1015-0-16S		3015-0-16S
		20	400		400	M30x2	51,5	1015-0-20S		3015-0-20S
		25	400		400	M36x2	57,5	1015-0-25S		3015-0-25S
		30	400		250	M42x2	62,6	1015-0-30S		3015-0-30S
		38	315		250	M52x2	67,8	1015-0-38S		3015-0-38S

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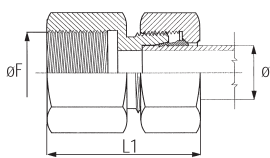
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3016-0 DE
BSPP
 Rechte instelbare koppeling
 Adapteur orientable
 Straight swivel coupling
 Gerade einstellbare Verschraubung



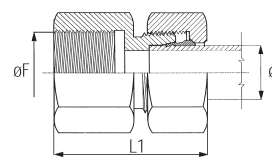
1016-0 DE
3016-0 DE
METR.
 Rechte instelbare koppeling
 Adapteur orientable
 Straight swivel coupling
 Gerade einstellbare Verschraubung

DIN	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	G1/8	24,5	1016-0-06LRDE		3016-0-06LRDE
	8	315		250	G1/4	26,5	1016-0-08LRDE		3016-0-08LRDE
	10	315		250	G1/4	27,5	1016-0-10LRDE		3016-0-10LRDE
	12	315		250	G3/8	34	1016-0-12LRDE		3016-0-12LRDE
	15	315		250	G1/2	32	1016-0-15LRDE		3016-0-15LRDE
	18	315		160	G1/2	31,5	1016-0-18LRDE		3016-0-18LRDE
	22	160		160	G3/4	32	1016-0-22LRDE		3016-0-22LRDE
	28	160		100	G1	35	1016-0-28LRDE		3016-0-28LRDE
	35	160		100	G1.1/4	42,5	1016-0-35LRDE		3016-0-35LRDE
	42	160		100	G1.1/2	46,5	1016-0-42LRDE		3016-0-42LRDE
S	6	630		630	G1/4	27	1016-0-06SRDE		3016-0-06SRDE
	8	630		630	G1/4	29,5	1016-0-08SRDE		3016-0-08SRDE
	10	630		630	G3/8	32	1016-0-10SRDE		3016-0-10SRDE
	12	630		630	G3/8	34	1016-0-12SRDE		3016-0-12SRDE
	14	630		630	G1/2	36,5	1016-0-14SRDE		3016-0-14SRDE
	16	400		400	G1/2	37	1016-0-16SRDE		3016-0-16SRDE
	20	400		400	G3/4	42,5	1016-0-20SRDE		3016-0-20SRDE
	25	400		400	G1	47,5	1016-0-25SRDE		3016-0-25SRDE
	30	400		250	G1.1/4	51	1016-0-30SRDE		3016-0-30SRDE
	38	315		250	G1.1/2	59,5	1016-0-38SRDE		3016-0-38SRDE

DIN	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	M10x1	24,5	1016-0-06LMDE		3016-0-06LMDE
	8	315		250	M12x1,5	26,5	1016-0-08LMDE		3016-0-08LMDE
	10	315		250	M14x1,5	27,5	1016-0-10LMDE		3016-0-10LMDE
	12	315		250	M16x1,5	30,5	1016-0-12LMDE		3016-0-12LMDE
	15	315		250	M18x1,5	31,5	1016-0-15LMDE		3016-0-15LMDE
	18	315		160	M22x1,5	31,5	1016-0-18LMDE		3016-0-18LMDE
	22	160		160	M26x1,5	32,5	1016-0-22LMDE		3016-0-22LMDE
	28	160		100	M33x2	35	1016-0-28LMDE		3016-0-28LMDE
	35	160		100	M42x2	42,5	1016-0-35LMDE		3016-0-35LMDE
	42	160		100	M48x2	46,5	1016-0-42LMDE		3016-0-42LMDE
S	6	630		630	M12x1,5	27	1016-0-06SMDE		3016-0-06SMDE
	8	630		630	M14x1,5	29,5	1016-0-08SMDE		3016-0-08SMDE
	10	630		630	M16x1,5	32	1016-0-10SMDE		3016-0-10SMDE
	12	630		630	M18x1,5	34	1016-0-12SMDE		3016-0-12SMDE
	14	630		630	M20x1,5	36,5	1016-0-14SMDE		3016-0-14SMDE
	16	400		400	M22x1,5	37	1016-0-16SMDE		3016-0-16SMDE
	20	400		400	M27x2	43	1016-0-20SMDE		3016-0-20SMDE
	25	400		400	M33x2	48	1016-0-25SMDE		3016-0-25SMDE
	30	400		250	M42x2	51	1016-0-30SMDE		3016-0-30SMDE
	38	315		250	M48x2	60	1016-0-38SMDE		3016-0-38SMDE



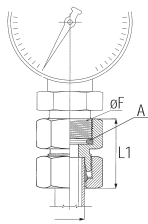
1018
2018
3018
BSPP
 Rechte opschroefkoppeling
 Union femelle
 Female stud coupling
 Gerade Aufschraubverschraubung



1018
3018
METR.
 Rechte opschroefkoppeling
 Union femelle
 Female stud coupling
 Gerade Aufschraubverschraubung

DIN	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	G1/8	34	1018-06LR		3018-06LR
	8	315		250	G1/4	39	1018-08LR		3018-08LR
	10	315		250	G1/4	40	1018-10LR		3018-10LR
	10	315		250	G3/8	40	1018-10LR3/8		3018-10LR3/8
	10	315		250	G1/2	45	1018-10LR1/2		3018-10LR1/2
	12	315		250	G1/4	41	1018-12LR1/4		3018-12LR1/4
	12	315		250	G3/8	41	1018-12LR	2018-12LR	3018-12LR
	12	315		250	G1/2	44	1018-12LR1/2		3018-12LR1/2
	15	315		250	G1/2	45	1018-15LR	2018-15LR	3018-15LR
	18	315		160	G1/2	46	1018-18LR		3018-18LR
L	22	160		160	G3/4	51	1018-22LR		3018-22LR
	28	160		100	G1	53,5	1018-28LR		3018-28LR
	35	160		100	G1.1/4	60,5	1018-35LR		3018-35LR
	42	160		100	G1.1/2	63,5	1018-42LR		3018-42LR
S	6	630		630	G1/4	41	1018-06SR		3018-06SR
	8	630		630	G1/4	41	1018-08SR		3018-08SR
	10	630		630	G3/8	42	1018-10SR		3018-10SR
	12	630		630	G3/8	42	1018-12SR		3018-12SR
	14	630		630	G1/2	50	1018-14SR	2018-14SR	3018-14SR
	16	400		400	G1/2	50	1018-16SR	2018-16SR	3018-16SR
	20	400		400	G3/4	56	1018-20SR	2018-20SR	3018-20SR
	25	400		400	G1	61,5	1018-25SR		3018-25SR
	30	400		250	G1.1/4	68,5	1018-30SR		3018-30SR
	38	315		250	G1.1/2	74,5	1018-38SR		3018-38SR

DIN	Ø	BAR			Ø F	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	M10x1	34,5	1018-06LM		3018-06LM
	8	315		250	M12x1,5	39,5	1018-08LM		3018-08LM
	10	315		250	M14x1,5	40	1018-10LM		3018-10LM
	12	315		250	M16x1,5	41	1018-12LM		3018-12LM
	15	315		250	M18x1,5	42	1018-15LM		3018-15LM
	18	315		160	M22x1,5	45	1018-18LM		3018-18LM
	22	160		160	M26x1,5	50	1018-22LM		3018-22LM
	28	160		100	M33x2	53	1018-28LM		3018-28LM
	35	160		100	M42x2	60	1018-35LM		3018-35LM
	42	160		100	M48x2	63	1018-42LM		3018-42LM
S	6	630		630	M12x1,5	41	1018-06SM		3018-06SM
	8	630		630	M14x1,5	41	1018-08SM		3018-08SM
	10	630		630	M16x1,5	43	1018-10SM		3018-10SM
	12	630		630	M18x1,5	43	1018-12SM		3018-12SM
	14	630		630	M20x1,5	49	1018-14SM		3018-14SM
	16	400		400	M22x1,5	49	1018-16SM		3018-16SM
	20	400		400	M27x2	56	1018-20SM		3018-20SM
	25	400		400	M33x2	61	1018-25SM		3018-25SM
	30	400		250	M42x2	68	1018-30SM		3018-30SM
	38	315		250	M48x2	74	1018-38SM		3018-38SM

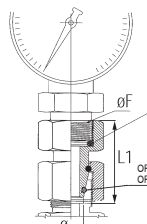


→ A, DIN 3852 Form B 15.7/15.8

**1019
2019
3019**

BSPP

Manometer-koppeling
Raccord pour manomètre
Fem. pressure gauge coupling
Manometerverschraubung



→ A, DIN 3852 Form B OR1, DIN 3865 Form B 15.7/15.8

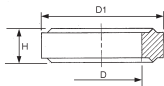
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3019-0**

BSPP

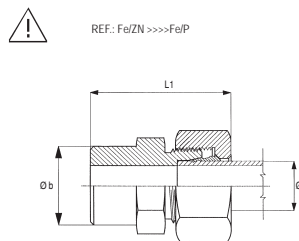
Manometer-koppeling
Raccord pour manomètre
Fem. pressure gauge coupling
Manometerverschraubung

DIN	2353	Ø	BAR			ØF	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	6	315	160	250	G1/4	37	1019-06LR	2019-06LR	3019-06LR	
	8	315	160	250	G1/4	37	1019-08LR	2019-08LR	3019-08LR	
	10	315	160	250	G1/4	38	1019-10LR	2019-10LR	3019-10LR	
	12	315	160	250	G1/4	38	1019-12LR	2019-12LR	3019-12LR	
S	6	630	250	630	G1/2	46	1019-06SR	2019-06SR	3019-06SR	
	8	630	250	630	G1/2	46	1019-08SR	2019-08SR	3019-08SR	
	10	630	250	630	G1/2	47	1019-10SR	2019-10SR	3019-10SR	
	12	630	250	630	G1/2	47	1019-12SR	2019-12SR	3019-12SR	

DIN	2353	Ø	BAR			ØF	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	6	315		250	G1/4	36,5	1019-0-06LR		3019-0-06LR	
	8	315		250	G1/4	36,5	1019-0-08LR		3019-0-08LR	
	10	315		250	G1/4	36	1019-0-10LR		3019-0-10LR	
	12	315		250	G1/4	37,5	1019-0-12LR		3019-0-12LR	
S	6	630		630	G1/2	43,5	1019-0-06SR		3019-0-06SR	
	8	630		630	G1/2	43	1019-0-08SR		3019-0-08SR	
	10	630		630	G1/2	45	1019-0-10SR		3019-0-10SR	
	12	630		630	G1/2	44,5	1019-0-12SR		3019-0-12SR	

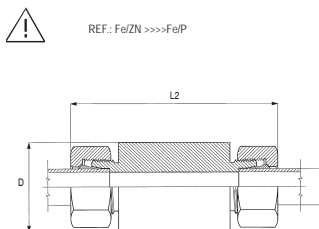


DIN	2353	BAR			Ø F	D1	Fe/P REF.	Cu/Zn REF.	AISI 316Ti REF.
		Fe	Cu/Zn	316Ti					
L		315	160	250	G1/4	11,3	1019-00LR	2019-00LR	3019-00LR
S		630	250	630	G1/2	18,5	1019-00SR	2019-00SR	3019-00SR



**1020
3020**

Aanlaskoppeling
Union à souder
Male weld stud coupling
Anschweißerschraubung



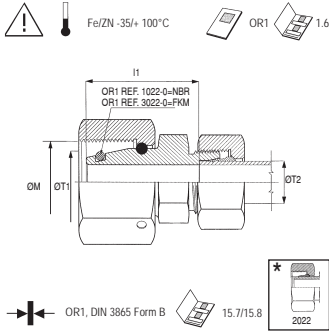
**1021
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Rechte lasschotkoppeling
Union de cloison à souder
Straight weld bulkhead coupling
Einschweißschottverschraubung

DIN	2353	Ø	BAR			L1	Øb	Fe/P REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	6	315		250	29	10	1020-06L		3020-06L	
	8	315		250	31	12	1020-08L		3020-08L	
	10	315		250	33	14	1020-10L		3020-10L	
	12	315		250	33	16	1020-12L		3020-12L	
	15	315		250	37	19	1020-15L		3020-15L	
	18	315		160	40	22	1020-18L		3020-18L	
	22	160		160	45	27	1020-22L		3020-22L	
	28	160		100	47	32	1020-28L		3020-28L	
	35	160		100	54	40	1020-35L		3020-35L	
	42	160		100	58	46	1020-42L		3020-42L	
S	6	630		630	34	11	1020-06S		3020-06S	
	8	630		630	36	13	1020-08S		3020-08S	
	10	630		630	39	15	1020-10S		3020-10S	
	12	630		630	41	17	1020-12S		3020-12S	
	14	630		630	45	19	1020-14S		3020-14S	
	16	400		400	45	21	1020-16S		3020-16S	
	20	400		400	51	26	1020-20S		3020-20S	
	25	400		400	56	31	1020-25S		3020-25S	
	30	400		250	62	36	1020-30S		3020-30S	
	38	315		250	69	44	1020-38S		3020-38S	

DIN	2353	Ø	BAR			L2	D	Fe/P REF.	Cu/Zn REF.	AISI 316Ti REF.
			Fe	Cu/Zn	316Ti					
L	6	315		250	85	18	1021-06L		3021-06L	
	8	315		250	85	20	1021-08L		3021-08L	
	10	315		250	87	22	1021-10L		3021-10L	
	12	315		250	87	25	1021-12L		3021-12L	
	15	315		250	100	28	1021-15L		3021-15L	
	18	315		160	101	32	1021-18L		3021-18L	
	22	160		160	105	36	1021-22L		3021-22L	
	28	160		100	106	40	1021-28L		3021-28L	
	35	160		100	114	50	1021-35L		3021-35L	
	42	160		100	115	60	1021-42L		3021-42L	
S	6	630		630	89	20	1021-06S		3021-06S	
	8	630		630	89	22	1021-08S		3021-08S	
	10	630		630	91	25	1021-10S		3021-10S	
	12	630		630	91	28	1021-12S		3021-12S	
	14	630		630	107	30	1021-14S		3021-14S	
	16	400		400	107	35	1021-16S		3021-16S	
	20	400		400	114	38	1021-20S		3021-20S	
	25	400		400	120	45	1021-25S		3021-25S	
	30	400		250	126	50	1021-30S		3021-30S	
	38	315		250	133	60	1021-38S		3021-38S	

INDEX



1022-0
2022
3022-0

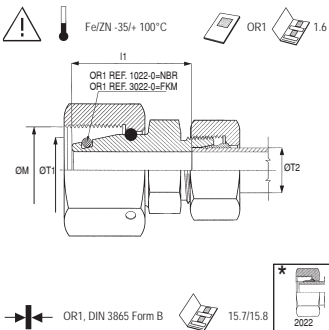
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Overgangskoppeling compl.
Adapteur de réduction compl.
Pre-assembl. reducing adaptor
Reduzierschraubung komplett

1

DIN	T1	BAR			ØM	T2	Fe/Zn REF.	CuZn REF.*	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	8	315	160	250	M14x1,5	6	1022-0-08-06L	2022-08-06L	3022-0-08-06L
	10	315	250	M16x1,5	6	1022-0-10-06L		3022-0-10-06L	
	10	315	250	M16x1,5	8	1022-0-10-08L		3022-0-10-08L	
	12	315	250	M18x1,5	6	1022-0-12-06L		3022-0-12-06L	
	12	315	250	M18x1,5	8	1022-0-12-08L		3022-0-12-08L	
	12	315	250	M18x1,5	10	1022-0-12-10L		3022-0-12-10L	
	15	315	250	M22x1,5	6	1022-0-15-06L		3022-0-15-06L	
	15	315	250	M22x1,5	8	1022-0-15-08L		3022-0-15-08L	
	15	315	160	250	M22x1,5	10	1022-0-15-10L	2022-15-10L	3022-0-15-10L
	15	315	160	250	M22x1,5	12	1022-0-15-12L	2022-15-12L	3022-0-15-12L
	18	315	160	M26x1,5	6	1022-0-18-06L		3022-0-18-06L	
	18	315	160	M26x1,5	8	1022-0-18-08L		3022-0-18-08L	
	18	315	160	M26x1,5	10	1022-0-18-10L		3022-0-18-10L	
	18	315	160	M26x1,5	12	1022-0-18-12L		3022-0-18-12L	
	18	315	160	M26x1,5	15	1022-0-18-15L		3022-0-18-15L	
	22	160		160	M30x2	6	1022-0-22-06L		3022-0-22-06L
	22	160		160	M30x2	8	1022-0-22-08L		3022-0-22-08L
	22	160		160	M30x2	10	1022-0-22-10L		3022-0-22-10L
	22	160		160	M30x2	12	1022-0-22-12L		3022-0-22-12L
	22	160		160	M30x2	15	1022-0-22-15L		3022-0-22-15L
	22	160		160	M30x2	18	1022-0-22-18L		3022-0-22-18L

DIN	Ø	BAR			ØM	T2	Fe/Zn REF.	CuZn REF.*	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	28	160		100	M36x2	6	1022-0-28-06L		3022-0-28-06L
	28	160		100	M36x2	8	1022-0-28-08L		3022-0-28-08L
	28	160		100	M36x2	10	1022-0-28-10L		3022-0-28-10L
	28	160		100	M36x2	12	1022-0-28-12L		3022-0-28-12L
	28	160		100	M36x2	15	1022-0-28-15L		3022-0-28-15L
	28	160		100	M36x2	18	1022-0-28-18L		3022-0-28-18L
	28	160		100	M36x2	22	1022-0-28-22L		3022-0-28-22L
	35	160		100	M45x2	15	1022-0-35-15L		3022-0-35-15L
	35	160		100	M45x2	18	1022-0-35-18L		3022-0-35-18L
	35	160		100	M45x2	22	1022-0-35-22L		3022-0-35-22L
	35	160		100	M45x2	28	1022-0-35-28L		3022-0-35-28L
	42	160		100	M52x2	18	1022-0-42-18L		3022-0-42-18L
	42	160		100	M52x2	22	1022-0-42-22L		3022-0-42-22L
	42	160		100	M52x2	28	1022-0-42-28L		3022-0-42-28L
	42	160		100	M52x2	35	1022-0-42-35L		3022-0-42-35L



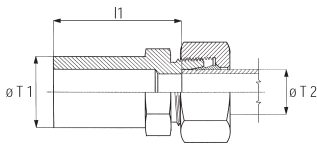
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S

Overgangskoppeling compl.
Adapteur de réduction compl.
Pre-assembl. reducing adaptor
Reduzierschluss komplett

DIN	T1	BAR			Ø M	T2	Fe/Zn REF.	CuZn REF.*	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	8	630		630	M16x1,5	6	1022-0-08-06S		3022-0-08-06S
	10	630		630	M18x1,5	6	1022-0-10-06S		3022-0-10-06S
	10	630		630	M18x1,5	8	1022-0-10-08S		3022-0-10-08S
	12	630		630	M20x1,5	6	1022-0-12-06S		3022-0-12-06S
	12	630		630	M20x1,5	8	1022-0-12-08S		3022-0-12-08S
	12	630		630	M20x1,5	10	1022-0-12-10S		3022-0-12-10S
	14	630		630	M22x1,5	6	1022-0-14-06S		3022-0-14-06S
	14	630		630	M22x1,5	8	1022-0-14-08S		3022-0-14-08S
	14	630		630	M22x1,5	10	1022-0-14-10S		3022-0-14-10S
	14	630		630	M22x1,5	12	1022-0-14-12S		3022-0-14-12S
	16	400		400	M24x1,5	6	1022-0-16-06S		3022-0-16-06S
	16	400		400	M24x1,5	8	1022-0-16-08S		3022-0-16-08S
	16	400		400	M24x1,5	10	1022-0-16-10S		3022-0-16-10S
	16	400	180	400	M24x1,5	12	1022-0-16-12S	2022-16-12S	3022-0-16-12S
	16	400	400	400	M24x1,5	14	1022-0-16-14S		3022-0-16-14S
	20	400	400	400	M30x2	6	1022-0-20-06S		3022-0-20-06S
	20	400	400	400	M30x2	8	1022-0-20-08S		3022-0-20-08S
	20	400	400	400	M30x2	10	1022-0-20-10S		3022-0-20-10S
	20	400	400	400	M30x2	12	1022-0-20-12S		3022-0-20-12S
	20	400	400	400	M30x2	14	1022-0-20-14S		3022-0-20-14S
	20	400	180	400	M30x2	16	1022-0-20-16S	2022-20-16S	3022-0-20-16S

DIN	T1	BAR			Ø M	T2	Fe/Zn REF.	CuZn REF.*	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	25	400		400	M36x2	6	1022-0-25-06S		3022-0-25-06S
	25	400		400	M36x2	8	1022-0-25-08S		3022-0-25-08S
	25	400		400	M36x2	10	1022-0-25-10S		3022-0-25-10S
	25	400		400	M36x2	12	1022-0-25-12S		3022-0-25-12S
	25	400		400	M36x2	14	1022-0-25-14S		3022-0-25-14S
	25	400	180	400	M36x2	16	1022-0-25-16S	2022-25-16S	3022-0-25-16S
	25	400	400	400	M36x2	20	1022-0-25-20S		3022-0-25-20S
	30	400	250	250	M42x2	8	1022-0-30-08S		3022-0-30-08S
	30	400	250	250	M42x2	10	1022-0-30-10S		3022-0-30-10S
	30	400	250	250	M42x2	12	1022-0-30-12S		3022-0-30-12S
	30	400	250	250	M42x2	14	1022-0-30-14S		3022-0-30-14S
	30	400	250	250	M42x2	16	1022-0-30-16S		3022-0-30-16S
	30	400	250	250	M42x2	20	1022-0-30-20S		3022-0-30-20S
	30	400	250	250	M42x2	25	1022-0-30-25S		3022-0-30-25S
	38	315		250	M52x2	12	1022-0-38-12S		3022-0-38-12S
	38	315		250	M52x2	14	1022-0-38-14S		3022-0-38-14S
38	315		250	M52x2	16	1022-0-38-16S		3022-0-38-16S	
38	315		250	M52x2	20	1022-0-38-20S		3022-0-38-20S	
38	315		250	M52x2	25	1022-0-38-25S		3022-0-38-25S	
38	315		250	M52x2	30	1022-0-38-30S		3022-0-38-30S	



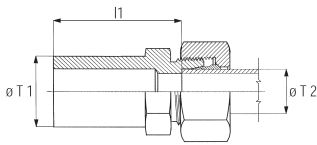
3022-K

L

Overgangskoppeling
Adaptateur de réduction
Reducing adaptor
Reduzieranschluß

DIN	2353	Ø	BAR			T2	l1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
L	8	315		250	6	25,5			3022-K-08-06L	
	10	315		250	6	26,5			3022-K-10-06L	
	10	315		250	8	27,5			3022-K-10-08L	
	12	315		250	6	26,5			3022-K-12-06L	
	12	315		250	8	27,5			3022-K-12-08L	
	12	315		250	10	28,5			3022-K-12-10L	
	15	315		250	6	28			3022-K-15-06L	
	15	315		250	8	29			3022-K-15-08L	
	15	315		250	10	30			3022-K-15-10L	
	15	315		250	12	31			3022-K-15-12L	
	18	315		250	6	30			3022-K-18-06L	
	18	315		250	8	31			3022-K-18-08L	
	18	315		250	10	32			3022-K-18-10L	
	18	315		250	12	33			3022-K-18-12L	
	18	315		250	15	34			3022-K-18-15L	
	22	160		160	6	32			3022-K-22-06L	
	22	160		160	8	33			3022-K-22-08L	
	22	160		160	10	34			3022-K-22-10L	
	22	160		160	12	35			3022-K-22-12L	
	22	160		160	15	36			3022-K-22-15L	
	22	160		160	18	36,5			3022-K-22-18L	
	42	160		100	15	44			3022-K-42-15L	
	42	160		100	18	44,5			3022-K-42-18L	
	42	160		100	22	46,5			3022-K-42-22L	
	42	160		100	28	47,5			3022-K-42-28L	
	42	160		100	35	47,5			3022-K-42-35L	
	42	160		100	22	46,5			3022-K-42-22L	
	42	160		100	28	47,5			3022-K-42-28L	
	42	160		100	35	47,5			3022-K-42-35L	

DIN	2353	Ø	BAR			T2	l1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
L	28	160		100	6	33			3022-K-28-06L	
	28	160		100	8	34			3022-K-28-08L	
	28	160		100	10	35			3022-K-28-10L	
	28	160		100	12	36			3022-K-28-12L	
	28	160		100	15	37			3022-K-28-15L	
	28	160		100	18	37,5			3022-K-28-18L	
	28	160		100	22	39,5			3022-K-28-22L	
	35	160		100	6	39			3022-K-35-06L	
	35	160		100	8	40			3022-K-35-08L	
	35	160		100	10	41			3022-K-35-10L	
	35	160		100	12	42			3022-K-35-12L	
	35	160		100	15	43			3022-K-35-15L	
	35	160		100	18	43,5			3022-K-35-18L	
	35	160		100	22	45,5			3022-K-35-22L	
	35	160		100	28	46,5			3022-K-35-28L	
	42	160		100	6	40			3022-K-42-06L	
	42	160		100	8	41			3022-K-42-08L	
	42	160		100	10	42			3022-K-42-10L	
	42	160		100	12	43			3022-K-42-12L	



3022-K

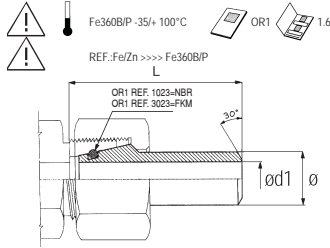
S

Overgangskoppeling
Adaptateur de réduction
Reducing adaptor
Reduzieranschluß

DIN	2353	Ø	BAR			T2	l1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
S	8	630		630	6	30			3022-K-08-06S	
	10	630		630	6	32			3022-K-10-06S	
	10	630		630	8	34			3022-K-10-08S	
	12	630		630	6	32			3022-K-12-06S	
	12	630		630	8	34			3022-K-12-08S	
	12	630		630	10	33,5			3022-K-12-10S	
	14	630		630	6	35			3022-K-14-06S	
	14	630		630	8	37			3022-K-14-08S	
	14	630		630	10	36,5			3022-K-14-10S	
	14	630		630	12	38,5			3022-K-14-12S	
	16	400		400	6	35			3022-K-16-06S	
	16	400		400	8	37			3022-K-16-08S	
	16	400		400	10	36,5			3022-K-16-10S	
	16	400		400	12	38,5			3022-K-16-12S	
	16	400		400	14	40			3022-K-16-14S	
	20	400		400	6	42			3022-K-20-06S	
	20	400		400	8	42			3022-K-20-08S	
	20	400		400	10	41,5			3022-K-20-10S	
	20	400		400	12	43,5			3022-K-20-12S	
	20	400		400	14	45			3022-K-20-14S	
	20	400		400	16	44,5			3022-K-20-16S	

DIN	2353	Ø	BAR			T2	l1	Fe/ZN REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
S	25	400		400	6	44			3022-K-25-06S	
	25	400		400	8	44			3022-K-25-08S	
	25	400		400	10	43,5			3022-K-25-10S	
	25	400		400	12	45,5			3022-K-25-12S	
	25	400		400	14	47			3022-K-25-14S	
	25	400		400	16	46,5			3022-K-25-16S	
	25	400		400	20	48,5			3022-K-25-20S	
	30	400		250	6	52			3022-K-30-06S	
	30	400		250	8	52			3022-K-30-08S	
	30	400		250	10	51,5			3022-K-30-10S	
	30	400		250	12	51,5			3022-K-30-12S	
	30	400		250	14	53			3022-K-30-14S	
	30	400		250	16	52,5			3022-K-30-16S	
	30	400		250	20	54,5			3022-K-30-20S	
	30	400		250	25	57			3022-K-30-25S	
	38	315		250	6	55			3022-K-38-06S	
	38	315		250	8	55			3022-K-38-08S	
	38	315		250	10	54,5			3022-K-38-10S	
	38	315		250	12	54,5			3022-K-38-12S	
	38	315		250	14	56			3022-K-38-14S	
38	315		250	16	55,5			3022-K-38-16S		
38	315		250	20	57,5			3022-K-38-20S		
38	315		250	25	60			3022-K-38-25S		
38	315		250	30	60,5			3022-K-38-30S		

INDEX



OR1, DIN 3865 Form A 15.7/15.8

1023

3023

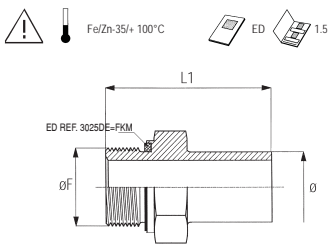
DIN 3865A

Lasnippel met O-ring
Raccord à souder avec O-ring
Welding nipple with O-ring
Anschweißnippel mit O-Ring

DIN	Ø	BAR			Ød1	L	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	8			372	5	31			3023-08L	
	10			389	7	35			3023-10L	
	12			330	9	33			3023-12L	
	15			330	12	40			3023-15L	
	18	315		330	14	42	1023-18X2,0L		3023-18L	
	22			303	17	39			3023-22L	
	28	160		243	22	42	1023-28X3,0L		3023-28L	
	35	160		270	29	47	1023-35X3,0L		3023-35L	
	42	160		233	36	47	1023-42X3,0L		3023-42L	
	S	8	413		372	5	32	1023-08x1,5S		
		8			528	4	31			3023-08S
		10	357		389	7	33,5	1023-10x1,5S		
10		459		498	6	33,5	1023-10x2,0S		3023-10S	
12		304		330	9	33,5	1023-12x1,5S			
12		392		426	8	33,5	1023-12x2,0S		3023-12S	
12		475		516	7	33,5	1023-12x2,5S			
14		343		372	10	40	1023-14x2,0S		3023-14S	
14		485		528	8	40	1023-14x3,0S			
16		304		330	12	40,5	1023-16x2,0S			
16		370		403	11	40,5	1023-16x2,5S		3023-16S	
16		400		472	10	40,5	1023-16x3,0S		3023-16S3	
20	304		330	15	46,5	1023-20x2,5S				
20	358		389	14	46,5	1023-20x3,0S		3023-20S		
20	400		498	12	46,5	1023-20x4,0S				
25	293		318	19	53	1023-25x3,0S		3023-25S		
25	377		411	17	53	1023-25x4,0S				

DIN	Ø	BAR			Ød1	L	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	25	400		498	15	53	1023-25x5,0S		3023-25S5
	30	248		270	24	57,5	1023-30x3,0S		
	30	322		350	22	57,5	1023-30x4,0S		3023-30S
	30	391		426	20	57,5	1023-30x5,0S		3023-30S5
	38	260		283	30	64	1023-38x4,0S		
	38	315		346	28	64	1023-38x5,0S		3023-38S
	38	315		406	26	64	1023-38x6,0S		3023-38S6

1) = PB, F = 2,5 1.34 & 1.35

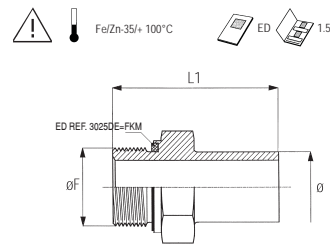


ØF, DIN 3852/2 Form (D)E 15.7/15.8

3025 DE

BSPP

Standpijp-adapter
Adaptateur à embout lisse
Stud standpipe adaptor
Einschraubstutzen mit Schaft



ØF, DIN 3852/2 Form (D)E 15.7/15.8

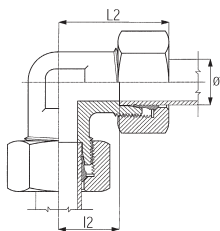
3025 DE

METR.

Standpijp-adapter
Adaptateur à embout lisse
Stud standpipe adaptor
Einschraubstutzen mit Schaft

DIN	Ø	BAR			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
L	6	315		250	G1/8	32,5			3025-06LRDE
	8	315		250	G1/4	41,5			3025-08LRDE
	10	315		250	G1/4	39,5			3025-10LRDE
	12	315		250	G3/8	46			3025-12LRDE
	12	315		250	G1/2	46			3025-12LRDE1/2
	15	315		160	G1/2	46			3025-15LRDE
	18	315		160	G1/2	45,5			3025-18LRDE
	22	160		160	G3/4	48,5			3025-22LRDE
	28	160		100	G1	53			3025-28LRDE
	35	160		100	G1.1/4	62,5			3025-35LRDE
	42	160		100	G1.1/2	68,5			3025-42LRDE
	S	6	630		630	G1/4	39		
8		630		630	G1/4	41,5			3025-08SRDE
10		630		630	G3/8	44			3025-10SRDE
12		630		630	G3/8	46			3025-12SRDE
14		630		630	G1/2	50,5			3025-14SRDE
16		400		400	G1/2	51			3025-16SRDE
20		400		400	G3/4	59			3025-20SRDE
25		400		400	G1	66			3025-25SRDE
30		400		250	G1.1/4	71			3025-30SRDE
38		315		250	G1.1/2	82			3025-38SRD

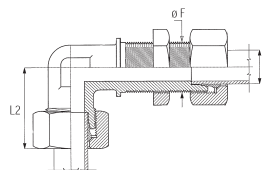
DIN	Ø	BAR			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	315		250	M10x1	34			3025-06LMDE	
	8	315		250	M12x1.5	38,5			3025-08LMDE	
	10	315		250	M14x1.5	39,5			3025-10LMDE	
	12	315		250	M16x1.5	42,5			3025-12LMDE	
	15	315		250	M18x1.5	41			3025-15LMDE	
	18	315		160	M22x1.5	45,5			3025-18LMDE	
	22	160		160	M26x1.5	48,5			3025-22LMDE	
	28	160		100	M33x2	53			3025-28LMDE	
	35	160		100	M42x2	60,5			3025-35LMDE	
	42	160		100	M48x2	65,5			3025-42LMDE	
	S	6	630		630	M12x1.5	39			3025-06SMDE
		8	630		630	M14x1.5	41,5			3025-08SMDE
10		630		630	M16x1.5	44			3025-10SMDE	
12		630		630	M18x1.5	46			3025-12SMDE	
14		630		630	M20x1.5	50			3025-14SMDE	
16		400		400	M22x1.5	50,5			3025-16SMDE	
20		400		400	M27x2	59			3025-20SMDE	
25		400		400	M33x2	66			3025-25SMDE	
30		400		250	M42x2	70,5			3025-30SMDE	
38		315		250	M48x2	80			3025-38SMDE	



**1040
2040
3040**

Haakse verbindingskoppeling
Coude égal
Equal connecting elbow coupling
Winkelverschraubung

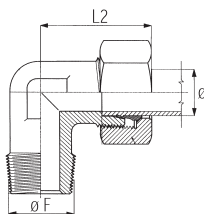
DIN 2353	Ø	BAR			ØF	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
LL	4	100		100	21	11	1040-04LL		3040-04LL	
	6	100		100	21	9,5	1040-06LL		3040-06LL	
	8	100		100	23	11,5	1040-08LL		3040-08LL	
L	6	315	160	250	27	12	1040-06L	2040-06L	3040-06L	
	8	315	160	250	29	14	1040-08L	2040-08L	3040-08L	
	10	315	160	250	30	15	1040-10L	2040-10L	3040-10L	
	12	315	160	250	32	17	1040-12L	2040-12L	3040-12L	
	15	315	160	250	36	21	1040-15L	2040-15L	3040-15L	
	18	315	160	160	40	23,5	1040-18L	2040-18L	3040-18L	
	22	160	80	160	44	27,5	1040-22L	2040-22L	3040-22L	
	28	160	80	100	47	30,5	1040-28L	2040-28L	3040-28L	
	35	160	80	100	56	34,5	1040-35L	2040-35L	3040-35L	
	42	160	80	100	63	40	1040-42L	2040-42L	3040-42L	
	S	6	630	250	630	31	16	1040-06S	2040-06S	3040-06S
		8	630	250	630	32	17	1040-08S	2040-08S	3040-08S
10		630	250	630	34	17,5	1040-10S	2040-10S	3040-10S	
12		630	250	630	38	21,5	1040-12S	2040-12S	3040-12S	
14		630	250	630	40	22	1040-14S	2040-14S	3040-14S	
16		400	180	400	43	24,5	1040-16S	2040-16S	3040-16S	
20		400	180	400	48	26,5	1040-20S	2040-20S	3040-20S	
25		400	180	400	54	30	1040-25S	2040-25S	3040-25S	
30		400	180	250	62	35,5	1040-30S	2040-30S	3040-30S	
38		315	120	250	72	41	1040-38S	2040-38S	3040-38S	



**1041
3041**

Haakse schotschroefkoppeling
Coude de cloison
Elbow screw bulkhead coupling
Winkelschottverschraubung

DIN 2353	Ø	BAR			ØF	L1	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	315		250	M12x1,5	27	1041-06L		3041-06L	
	8	315		250	M14x1,5	29	1041-08L		3041-08L	
	10	315		250	M16x1,5	30	1041-10L		3041-10L	
	12	315		250	M18x1,5	32	1041-12L		3041-12L	
	15	315		250	M22x1,5	36	1041-15L		3041-15L	
	18	315		160	M26x1,5	40	1041-18L		3041-18L	
	22	160		160	M30x2	44	1041-22L		3041-22L	
	28	160		100	M36x2	47	1041-28L		3041-28L	
	35	160		100	M45x2	56	1041-35L		3041-35L	
	42	160		100	M52x2	63	1041-42L		3041-42L	
	S	6	630		630	M14x1,5	31	1041-06S		3041-06S
		8	630		630	M16x1,5	32	1041-08S		3041-08S
10		630		630	M18x1,5	34	1041-10S		3041-10S	
12		630		630	M20x1,5	38	1041-12S		3041-12S	
14		630		630	M22x1,5	40	1041-14S		3041-14S	
16		400		400	M24x1,5	43	1041-16S		3041-16S	
20		400		400	M30x2	48	1041-20S		3041-20S	
25		400		400	M36x2	54	1041-25S		3041-25S	
30		400		250	M42x2	62	1041-30S		3041-30S	
38		315		250	M52x2	72	1041-38S		3041-38S	



**1043
2043
3043**

BSPT

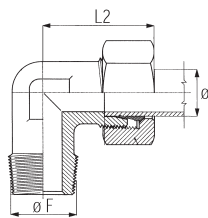
Haakse inschroefkoppeling
Coude mâle
Male stud elbow
Winkelverschraubung

ØF, DIN 3852 Form C 15.7/15.8

DIN 2353	Ø	BAR			ØF	L2	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
LL	4	100		100	R1/8	21	1043-04LLR		
	6	100		100	R1/8	21	1043-06LLR		
	8	100		100	R1/8	23	1043-08LLR		
L	6	315	160	250	R1/8	27	1043-06LR	2043-06LR	3043-06LR
	6	315	160	250	R1/4	29	1043-06LR1/4	2043-06LR1/4	3043-06LR1/4
	8	315	160	250	R1/8	29	1043-08LR1/8		3043-08LR1/8
	8	315	160	250	R1/4	29	1043-08LR	2043-08LR	3043-08LR
	8	315	250	250	R3/8	34	1043-08LR3/8		3043-08LR3/8
	10	315	160	250	R1/4	30	1043-10LR	2043-10LR	3043-10LR
	10	315	160	250	R3/8	32	1043-10LR3/8		3043-10LR3/8
	10	315	250	250	R1/2	38	1043-10LR1/2		3043-10LR1/2
	12	315	250	250	R1/4	32	1043-12LR1/4		3043-12LR1/4
	12	315	160	250	R3/8	32	1043-12LR	2043-12LR	3043-12LR
	12	315	160	250	R1/2	38	1043-12LR1/2		3043-12LR1/2
	15	315	250	250	R3/8	36	1043-15LR3/8		3043-15LR3/8
	15	315	160	250	R1/2	36	1043-15LR	2043-15LR	3043-15LR
	18	315	160	160	R1/2	40	1043-18LR	2043-18LR	3043-18LR
	22	160	80	160	R3/4	44	1043-22LR	2043-22LR	3043-22LR
	28	160	100	100	R1	47	1043-28LR		3043-28LR
	35	160	100	100	R1.1/4	56	1043-35LR		
	42	160	100	100	R1.1/2	63	1043-42LR		

DIN 2353	Ø	BAR			ØF	L2	Fe/Zn REF.	Cu/Zn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
S	6	400	250	630	R1/4	31	1043-06SR	2043-06SR	3043-06SR
	8	400	250	630	R1/4	32	1043-08SR		3043-08SR
	10	400	250	630	R3/8	34	1043-10SR		3043-10SR
	12	400	250	630	R3/8	38	1043-12SR	2043-12SR	3043-12SR
	12	400		630	R1/2	40	1043-12SR1/2		3043-12SR1/2
	14	400	250	630	R1/2	40	1043-14SR	2043-14SR	3043-14SR
	16	400	180	400	R1/2	43	1043-16SR		3043-16SR
	20	400 ¹⁾	180	400 ¹⁾	R3/4	48	1043-20SR		3043-20SR
	25	400 ¹⁾		400 ¹⁾	R1	54	1043-25SR		3043-25SR
	30	250 ¹⁾		250 ¹⁾	R1.1/4	62	1043-30SR		3043-30SR
	38	250 ¹⁾		250 ¹⁾	R1.1/2	64	1043-38SR		

1) - PB, F = 2,5 1.34 & 1.35



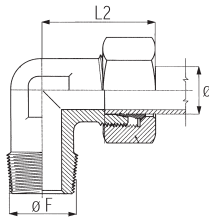
←→ ØF, DIN 3852 Form C 15.7/15.8

1043

3043

METR.(T)

Haakse inschroefkoppeling
Coude mâle
Male stud elbow
Winkelschraubverschraubung



←→ ØF, Threadseal 15.7/15.8

1043

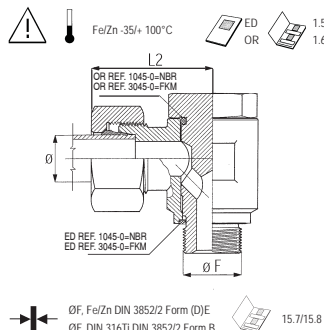
3043

NPTF

Haakse inschroefkoppeling
Coude mâle
Male stud elbow
Winkelschraubverschraubung

DIN	2353	Ø	BAR			ØF	L2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	M8x1con	11	1043-04LLM			
	6	100		100	M10x1con	9,5	1043-06LLM			
	8	100		100	M10x1con	11,5	1043-08LLM			
L	6	315		250	M10x1con	12	1043-06LM		3043-06LM	
	8	315		250	M12x1,5con	14	1043-08LM		3043-08LM	
	10	315		250	M14x1,5con	15	1043-10LM		3043-10LM	
	12	315		250	M16x1,5con	17	1043-12LM		3043-12LM	
	15	315		250	M18x1,5con	21	1043-15LM		3043-15LM	
	18	315		160	M22x1,5con	23,5	1043-18LM		3043-18LM	
S	6	400		630	M12x1,5con	16	1043-06SM		3043-06SM	
	8	400		630	M14x1,5con	17	1043-08SM		3043-08SM	
	10	400		630	M16x1,5con	17,5	1043-10SM		3043-10SM	
	12	400		630	M18x1,5con	21,5	1043-12SM		3043-12SM	
	14	400		630	M20x1,5con	22	1043-14SM		3043-14SM	
	16	400		400	M22x1,5con	24,5	1043-16SM		3043-16SM	

DIN	2353	Ø	BAR			ØF	L2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	1/8NPTF	7	1043-04x1/8LL			
	6	100		100	1/4NPTF	10	1043-06x1/8LL			
	8	100		100	1/8NPTF	10	1043-08x1/8LL			
L	6	315	160	250	1/8NPTF	10	1043-06x1/8L		3043-06x1/8L	
	6	315	250	250	1/4NPTF	12	1043-06x1/4L			
	6	315	250	250	1/2NPTF	17	1043-06x1/2L			
	8	315	160	250	1/4NPTF	12	1043-08x1/4L		3043-08x1/4L	
	10	315	160	250	1/4NPTF	12	1043-10x1/4L		3043-10x1/4L	
	12	315	160	250	1/4NPTF	14	1043-12x1/4L		3043-12x1/4L	
	12	315	160	250	3/8NPTF	14	1043-12x3/8L		3043-12x3/8L	
	12	315	160	250	1/2NPTF	19	1043-12x1/2L		3043-12x1/2L	
	15	315	160	250	1/2NPTF	18,5	1043-15x1/2L		3043-15x1/2L	
	18	315	160	160	1/2NPTF	20	1043-18x1/2L		3043-18x1/2L	
	S	22	160		160	3/4NPTF	18,5	1043-22x3/4L		3043-22x3/4L
		28	160		100	1NPTF	24	1043-28x1L		3043-28x1L
35		160		100	1.1/4NPTF	25,5	1043-35x1.1/4L		3043-35x1.1/4L	
42		160		100	1.1/2NPTF	26	1043-42x1.1/2L		3043-42x1.1/2L	
6		630		630	1/4NPTF	12	1043-06x1/4S		3043-06x1/4S	
8		630		630	1/4NPTF	15	1043-08x1/4S		3043-08x1/4S	
10		630		630	3/8NPTF	12	1043-10x3/8S		3043-10x3/8S	
12		630		630	3/8NPTF	12,5	1043-12x3/8S		3043-12x3/8S	
14		630		630	1/2NPTF	12,5	1043-14x1/2S		3043-14x1/2S	
16		400	180	400	1/2NPTF	19	1043-16x1/2S		3043-16x1/2S	
20		400	400	400	3/4NPTF	20	1043-20x3/4S		3043-20x3/4S	
25		400	400	400	1NPTF	24	1043-25x1S		3043-25x1S	
30	400	250	250	1.1/4NPTF	25,5	1043-30x1.1/4S		3043-30x1.1/4S		
38	315		250	1.1/2NPTF	26	1043-38x1.1/2S		3043-38x1.1/2S		



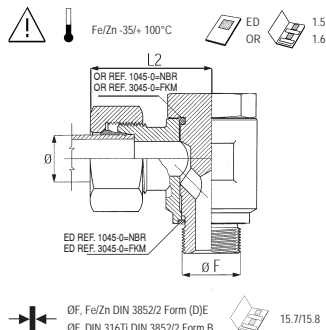
←→ ØF, Fe/Zn DIN 3852/2 Form (D)E
ØF, DIN 316Ti DIN 3852/2 Form B 15.7/15.8

1045-0

3045-0

BSPP

Banjo-koppeling
Banjo matricé
Swivel banjo coupling
Winkelschwenkverschraubung



←→ ØF, Fe/Zn DIN 3852/2 Form (D)E
ØF, DIN 316Ti DIN 3852/2 Form B 15.7/15.8

1045-0

3045-0

METR.

Banjo-koppeling
Banjo matricé
Swivel banjo coupling
Winkelschwenkverschraubung

DIN	2353	Ø	BAR ¹⁾			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	G1/8	29	1045-0-04LLR			
	6	100		100	G1/8	28,5	1045-0-06LLR			
	8	100		100	G1/8	28,5	1045-0-08LLR			
L	6	315		250	G1/8	27	1045-0-06LR		3045-0-06LR	
	6	315		250	G1/4	30	1045-0-06LR1/4		3045-0-06LR1/4	
	8	315		250	G1/4	29	1045-0-08LR		3045-0-08LR	
	10	315		250	G1/4	30	1045-0-10LR		3045-0-10LR	
	12	315		250	G1/4	30	1045-0-12LR		3045-0-12LR1/4	
	12	315		250	G3/8	33	1045-0-12LR		3045-0-12LR	
	15	315		250	G1/2	36	1045-0-15LR		3045-0-15LR	
	18	315		160	G1/2	37,5	1045-0-18LR		3045-0-18LR	
	22	160		160	G3/4	44	1045-0-22LR		3045-0-22LR	
	28	160		100	G1	48,5	1045-0-28LR		3045-0-28LR	
	35	160		100	G1.1/4	58	1045-0-35LR		3045-0-35LR	
	42	160		100	G1.1/2	63,5	1045-0-42LR		3045-0-42LR	
S	6	400		630	G1/4	31,5	1045-0-06SR		3045-0-06SR	
	8	400		630	G1/4	31,5	1045-0-08SR		3045-0-08SR	
	10	400		630	G3/8	34,5	1045-0-10SR		3045-0-10SR	
	12	400		630	G3/8	34,5	1045-0-12SR		3045-0-12SR	
	14	400		630	G1/2	40,5	1045-0-14SR		3045-0-14SR	
	16	400		400	G1/2	40,5	1045-0-16SR		3045-0-16SR	
	20	400		400	G3/4	48	1045-0-20SR		3045-0-20SR	
	25	250		400	G1	55,5	1045-0-25SR		3045-0-25SR	
	30	250		250	G1.1/4	63,5	1045-0-30SR		3045-0-30SR	
	38	250		250	G1.1/2	72,5	1045-0-38SR		3045-0-38SR	

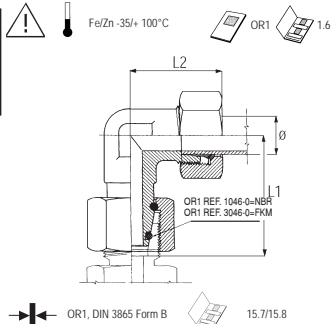
1) = PB, F = 2,5 1.34 & 1.35

DIN	2353	Ø	BAR ¹⁾			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	6	100		100	M10x1	28	1045-0-06LLM			
	8	100		100	M10x1	28	1045-0-08LLM			
L	6	315		250	M10x1	27	1045-0-06LM		3045-0-06LM	
	8	315		250	M12x1,5	29,5	1045-0-08LM		3045-0-08LM	
	10	315		250	M14x1,5	30,5	1045-0-10LM		3045-0-10LM	
	12	315		250	M16x1,5	33	1045-0-12LM		3045-0-12LM	
	12	315		250	M18x1,5	32	1045-0-12LM		3045-0-12LM18	
	15	315		250	M18x1,5	36,5	1045-0-15LM		3045-0-15LM	
	18	315		160	M22x1,5	38	1045-0-18LM		3045-0-18LM	
	22	160		160	M26x1,5	44	1045-0-22LM		3045-0-22LM	
	28	160		100	M33x2	48,5	1045-0-28LM		3045-0-28LM	
	35	160		100	M42x2	57,5	1045-0-35LM		3045-0-35LM	
	42	160		100	M48x2	62	1045-0-42LM		3045-0-42LM	
	S	6	400		630	M12x1,5	31,5	1045-0-06SM		3045-0-06SM
8		400		630	M14x1,5	30	1045-0-08SM		3045-0-08SM	
10		400		630	M16x1,5	35	1045-0-10SM		3045-0-10SM	
12		400		630	M18x1,5	35	1045-0-12SM		3045-0-12SM	
14		400		630	M20x1,5	40,5	1045-0-14SM		3045-0-14SM	
16		400		400	M22x1,5	41	1045-0-16SM		3045-0-16SM	
20		400		400	M27x2	48	1045-0-20SM		3045-0-20SM	
25		250		400	M33x2	55,5	1045-0-25SM		3045-0-25SM	
30		250		250	M42x2	63,5	1045-0-30SM		3045-0-30SM	
38		250		250	M48x2	72,5	1045-0-38SM		3045-0-38SM	

1) = PB, F = 2,5 1.34 & 1.35

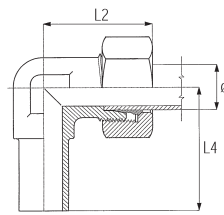
INDEX

1



1046-0
3046-0

Haakse instelbare koppeling
Raccord coudé orientable
Elbow swivel coupling
Einstellbare Winkelverschraubung

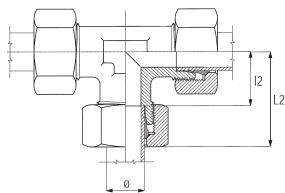


3047

Haakse instelbare koppeling
Raccord coudé orientable
Elbow swivel coupling
Einstellbare Winkelverschraubung

DIN	Ø	BAR			L1	L2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	315		250	26	27	1046-0-06L		3046-0-06L	
	8	315		250	27,5	29	1046-0-08L		3046-0-08L	
	10	315		250	29	30	1046-0-10L		3046-0-10L	
	12	315		250	29,5	32	1046-0-12L		3046-0-12L	
	15	315		250	32,5	36	1046-0-15L		3046-0-15L	
	18	315		160	35,5	40	1046-0-18L		3046-0-18L	
	22	160		160	38,5	44	1046-0-22L		3046-0-22L	
	28	160		100	41,5	47	1046-0-28L		3046-0-28L	
	35	160		100	51	56	1046-0-35L		3046-0-35L	
	42	160		100	56	63	1046-0-42L		3046-0-42L	
	S	6	630		630	27	31	1046-0-06S		3046-0-06S
		8	630		630	27,5	32	1046-0-08S		3046-0-08S
		10	630		630	30	34	1046-0-10S		3046-0-10S
		12	630		630	31	38	1046-0-12S		3046-0-12S
14		630		630	35	40	1046-0-14S		3046-0-14S	
16		400		400	36,5	43	1046-0-16S		3046-0-16S	
20		400		400	44,5	48	1046-0-20S		3046-0-20S	
25		400		400	50	54	1046-0-25S		3046-0-25S	
30		400		250	55	62	1046-0-30S		3046-0-30S	
38		315		250	63	72	1046-0-38S		3046-0-38S	

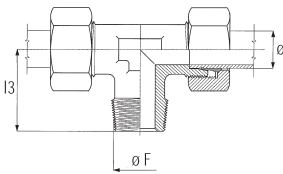
DIN	Ø	BAR			L2	l4	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	315		250	27	26			3047-06L	
	8	315		250	29	27			3047-08L	
	10	315		250	30	29			3047-10L	
	12	315		250	32	29,5			3047-12L	
	15	315		250	36	32,5			3047-15L	
	18	315		160	40	35,5			3047-18L	
	22	160		160	44	38			3047-22L	
	28	160		100	47	41,5			3047-28L	
	35	160		100	56	51			3047-35L	
	42	160		100	63	56			3047-42L	
	S	6	630		630	31	27			3047-06S
		8	630		630	32	27,5			3047-08S
		10	630		630	34	29,5			3047-10S
		12	630		630	38	30,5			3047-12S
14		630		630	40	35			3047-14S	
16		400		400	43	36,5			3047-16S	
20		400		400	48	44,5			3047-20S	
25		400		400	54	49,5			3047-25S	
30		400		250	62	55			3047-30S	
38		315		250	72	63			3047-38S	



1050
2050
3050

T-koppeling
T-égal
T-equal coupling
T-Verschraubung

DIN	Ø	BAR			L2	l2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
LL	4	100		100	21	11	1050-04LL		3050-04LL	
	6	100		100	21	9,5	1050-06LL		3050-06LL	
	8	100		100	23	11,5	1050-08LL		3050-08LL	
L	6	315	160	250	27	12	1050-06L	2050-06L	3050-06L	
	8	315	160	250	29	14	1050-08L	2050-08L	3050-08L	
	10	315	160	250	30	15	1050-10L	2050-10L	3050-10L	
	12	315	160	250	32	17	1050-12L	2050-12L	3050-12L	
	15	315	160	250	36	21	1050-15L	2050-15L	3050-15L	
	18	315	160	160	40	23,5	1050-18L	2050-18L	3050-18L	
	22	160	80	160	44	27,5	1050-22L	2050-22L	3050-22L	
	28	160	80	100	47	30,5	1050-28L	2050-28L	3050-28L	
	35	160	80	100	56	34,5	1050-35L	2050-35L	3050-35L	
	42	160	80	100	63	40	1050-42L	2050-42L	3050-42L	
	S	6	630	250	630	31	16	1050-06S	2050-06S	3050-06S
		8	630	250	630	32	17	1050-08S	2050-08S	3050-08S
		10	630	250	630	34	17,5	1050-10S	2050-10S	3050-10S
		12	630	250	630	38	21,5	1050-12S	2050-12S	3050-12S
14		630	250	630	40	22	1050-14S	2050-14S	3050-14S	
16		400	180	400	43	24,5	1050-16S	2050-16S	3050-16S	
20		400	180	400	48	26,5	1050-20S	2050-20S	3050-20S	
25		400	180	400	54	30	1050-25S	2050-25S	3050-25S	
30		400	180	250	62	35,5	1050-30S	2050-30S	3050-30S	
38		315	120	250	72	41	1050-38S	2050-38S	3050-38S	



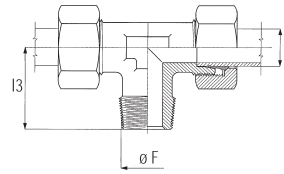
ØF, DIN 3852 Form C 15.7/15.8

1051

3051

BSPT *

T-inschroefkoppeling
T-måle
T-male stud
T-Einschraubverschraubung



ØF, DIN 3852 Form C 15.7/15.8

1051

3051

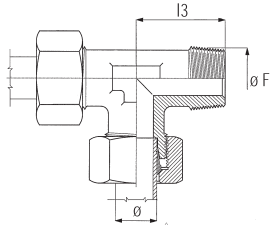
METR.(T)

T-inschroefkoppeling
T-måle
T-male stud
T-Einschraubverschraubung

DIN	2353	Ø	BAR			ØF	l3	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	R1/8	17	1051-04LLRC			
	6	100		100	R1/8	17	1051-06LLRC			
	8	100		100	R1/8	20	1051-08LLRC			
L	6	315		250	R1/8	20	1051-06LRC		3051-06LRC	
	8	315		250	R1/4	26	1051-08LRC		3051-08LRC	
	10	315		250	R1/4	27	1051-10LRC		3051-10LRC	
	12	315		250	R3/8	28	1051-12LRC		3051-12LRC	
	15	315		250	R1/2	34	1051-15LRC		3051-15LRC	
	18	315		160	R1/2	36	1051-18LRC		3051-18LRC	
	22	160		160	R3/4	42	1051-22LRC		3051-22LRC	
	28	160		100	R1	48	1051-28LRC		3051-28LRC	
	35	160		100	R1.1/4	54	1051-35LRC		3051-35LRC	
	42	160		100	R1.1/2	61	1051-42LRC		3051-42LRC	
	S	6	400		630	R1/4	26	1051-06SRC		3051-06SRC
		8	400		630	R1/4	27	1051-08SRC		3051-08SRC
10		400		630	R3/8	28	1051-10SRC		3051-10SRC	
12		400		630	R3/8	28	1051-12SRC		3051-12SRC	
14		400		630	R1/2	32	1051-14SRC		3051-14SRC	
16		400		400	R1/2	32	1051-16SRC		3051-16SRC	
20		400 ¹⁾		400 ¹⁾	R3/4	42	1051-20SRC		3051-20SRC	
25		400 ¹⁾		400 ¹⁾	R1	48	1051-25SRC		3051-25SRC	
30		250 ¹⁾		250 ¹⁾	R1.1/4	54	1051-30SRC		3051-30SRC	
38		250 ¹⁾		250 ¹⁾	R1.1/2	61	1051-38SRC		3051-38SRC	

1) = PB, F = 2.5 1.34 & 1.35 * NPTF

DIN	2353	Ø	BAR			ØF	l3	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	M8x1,0con	11	1051-04LLMC			
	6	100		100	M10x1,0con	9,5	1051-06LLMC			
	8	100		100	M10x1,0con	11,5	1051-08LLMC			
L	6	315		250	M10x1,0con	12	1051-06LMC		3051-06LMC	
	8	315		250	M12x1,5con	26	1051-08LMC		3051-08LMC	
	10	315		250	M14x1,5con	27	1051-10LMC		3051-10LMC	
	12	315		250	M16x1,5con	28	1051-12LMC		3051-12LMC	
	15	315		250	M18x1,5con	32	1051-15LMC		3051-15LMC	
	18	315		160	M22x1,5con	36	1051-18LMC		3051-18LMC	
S	6	400		630	M12x1,5con	26	1051-06SMC		3051-06SMC	
	8	400		630	M14x1,5con	27	1051-08SMC		3051-08SMC	
	10	400		630	M16x1,5con	28	1051-10SMC		3051-10SMC	
	12	400		630	M18x1,5con	28	1051-12SMC		3051-12SMC	
	14	400		630	M20x1,5con	32	1051-14SMC		3051-14SMC	
	16	400		400	M22x1,5con	32	1051-16SMC		3051-16SMC	



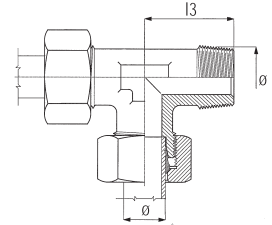
ØF, DIN 3852 Form C 15.7/15.8

1052

3052

BSPT *

L-inschroefkoppeling
L-måle
L-male stud
L-Einschraubverschraubung



ØF, DIN 3852 Form C 15.7/15.8

1052

3052

METR.(T)

L-inschroefkoppeling
L-måle
L-male stud
L-Einschraubverschraubung

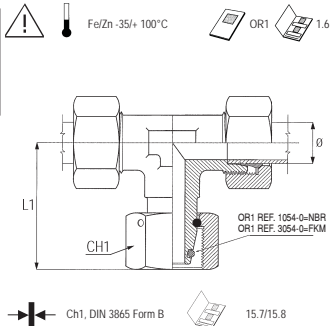
DIN	2353	Ø	BAR			ØF	l3	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	R1/8	17	1052-04LLRC			
	6	100		100	R1/8	17	1052-06LLRC			
	8	100		100	R1/8	20	1052-08LLRC			
L	6	315		250	R1/8	17	1052-06LRC		3052-06LRC	
	8	315		250	R1/4	26	1052-08LRC		3052-08LRC	
	10	315		250	R1/4	27	1052-10LRC		3052-10LRC	
	12	315		250	R3/8	28	1052-12LRC		3052-12LRC	
	15	315		250	R1/2	34	1052-15LRC		3052-15LRC	
	18	315		160	R1/2	36	1052-18LRC		3052-18LRC	
	22	160		160	R3/4	42	1052-22LRC		3052-22LRC	
	28	160		100	R1	48	1052-28LRC		3052-28LRC	
	35	160		100	R1.1/4	54	1052-35LRC		3052-35LRC	
	42	160		100	R1.1/2	61	1052-42LRC		3052-42LRC	
	S	6	400		630	R1/4	26	1052-06SRC		3052-06SRC
		8	400		630	R1/4	27	1052-08SRC		3052-08SRC
10		400		630	R3/8	28	1052-10SRC		3052-10SRC	
12		400		630	R3/8	28	1052-12SRC		3052-12SRC	
14		400		630	R1/2	32	1052-14SRC		3052-14SRC	
16		400		400	R1/2	32	1052-16SRC		3052-16SRC	
20		400 ¹⁾		400 ¹⁾	R3/4	42	1052-20SRC		3052-20SRC	
25		400 ¹⁾		400 ¹⁾	R1	48	1052-25SRC		3052-25SRC	
30		250 ¹⁾		250 ¹⁾	R1.1/4	54	1052-30SRC		3052-30SRC	
38		250 ¹⁾		250 ¹⁾	R1.1/2	61	1052-38SRC		3052-38SRC	

1) = PB, F = 2.5 1.34 & 1.35 * NPTF

DIN	2353	Ø	BAR			ØF	l3	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
			Fe	CuZn	316Ti					
LL	4	100		100	M8x1,0con	17	1052-04LLMC			
	6	100		100	M10x1,0con	17	1052-06LLMC			
	8	100		100	M10x1,0con	20	1052-08LLMC			
L	6	315		250	M10x1,0con	20	1052-06LMC		3052-06LMC	
	8	315		250	M12x1,5con	26	1052-08LMC		3052-08LMC	
	10	315		250	M14x1,5con	27	1052-10LMC		3052-10LMC	
	12	315		250	M16x1,5con	28	1052-12LMC		3052-12LMC	
	15	315		250	M18x1,5con	32	1052-15LMC		3052-15LMC	
	18	315		160	M22x1,5con	36	1052-18LMC		3052-18LMC	
S	6	400		630	M12x1,5con	26	1052-06SMC		3052-06SMC	
	8	400		630	M14x1,5con	27	1052-08SMC		3052-08SMC	
	10	400		630	M16x1,5con	28	1052-10SMC		3052-10SMC	
	12	400		630	M18x1,5con	28	1052-12SMC		3052-12SMC	
	14	400		630	M20x1,5con	32	1052-14SMC		3052-14SMC	
	16	400		400	M22x1,5con	32	1052-16SMC		3052-16SMC	

INDEX

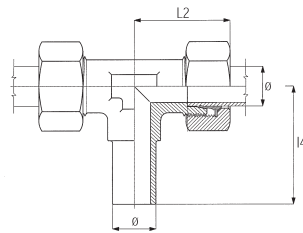
1



1054-0

3054-0

Instelbare T-koppeling
T-orientable
T-swivel coupling
Einstellbare T-Verschraubung

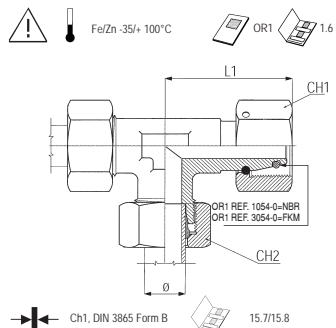


3055

Instelbare T-koppeling
T-orientable
T-swivel coupling
Einstellbare T-Verschraubung

DIN	2353	BAR			L1	CH1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Ø	Fe	CuZn						316Ti
L	6	315		250	26	6L	1054-0-06L		3054-0-06L	
	8	315		250	27,5	8L	1054-0-08L		3054-0-08L	
	10	315		250	29	10L	1054-0-10L		3054-0-10L	
	12	315		250	29,5	12L	1054-0-12L		3054-0-12L	
	15	315		250	32,5	15L	1054-0-15L		3054-0-15L	
	18	315		160	35,5	18L	1054-0-18L		3054-0-18L	
	22	160		160	38,5	22L	1054-0-22L		3054-0-22L	
	28	160		100	41,5	28L	1054-0-28L		3054-0-28L	
	35	160		100	51	35L	1054-0-35L		3054-0-35L	
	42	160		100	56	42L	1054-0-42L		3054-0-42L	
	S	6	630		630	27	6S	1054-0-06S		3054-0-06S
		8	630		630	27,5	8S	1054-0-08S		3054-0-08S
		10	630		630	30	10S	1054-0-10S		3054-0-10S
		12	630		630	31	12S	1054-0-12S		3054-0-12S
14		630		630	35	14S	1054-0-14S		3054-0-14S	
16		400		400	36,5	16S	1054-0-16S		3054-0-16S	
20		400		400	44,5	20S	1054-0-20S		3054-0-20S	
25		400		400	50	25S	1054-0-25S		3054-0-25S	
30		400		250	55	30S	1054-0-30S		3054-0-30S	
38		315		250	63	38S	1054-0-38S		3054-0-38S	

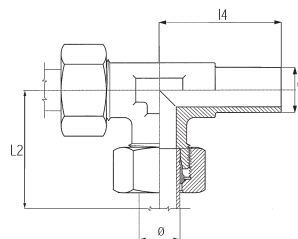
DIN	2353	BAR			L1	L4	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Ø	Fe	CuZn						316Ti
L	6	315		250	27	26			3055-06L	
	10	315		250	30	28,5			3055-10L	
	12	315		250	32	29			3055-12L	
	15	315		250	36	32			3055-15L	
	18	315		160	40	35			3055-18L	
	22	160		160	44	38			3055-22L	
	28	160		100	47	41,5			3055-28L	
	35	160		100	56	51			3055-35L	
	42	160		100	63	56			3055-42L	
	S	6	630		630	31	27			3055-06S
		8	630		630	32	27			3055-08S
		10	630		630	34	29,5			3055-10S
		12	630		630	38	30,5			3055-12S
		14	630		630	40	34,5			3055-14S
16		400		400	43	36			3055-16S	
20		400		400	48	44			3055-20S	
25		400		400	54	49,5			3055-25S	
30		400		250	62	55			3055-30S	
38		315		250	72	63			3055-38S	



1054-0

3054-0

Instelbare L-koppeling
L-orientable
L-swivel coupling
Einstellbare L-Verschraubung

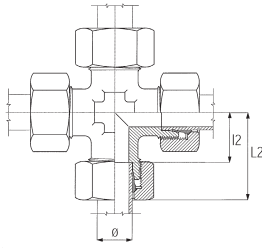


3055

Instelbare L-koppeling
L-orientable à embout lisse
L-swivel coupling
Einstellbare L-Verschraubung

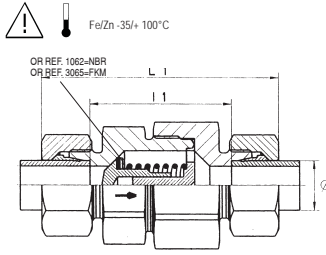
DIN	2353	BAR			L1	CH2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Ø	Fe	CuZn						316Ti
L	6	315		250	26	6L	1054-0-06EL		3054-0-06EL	
	8	315		250	27,5	8L	1054-0-08EL		3054-0-08EL	
	10	315		250	29	10L	1054-0-10EL		3054-0-10EL	
	12	315		250	29,5	12L	1054-0-12EL		3054-0-12EL	
	15	315		250	32,5	15L	1054-0-15EL		3054-0-15EL	
	18	315		160	35,5	18L	1054-0-18EL		3054-0-18EL	
	22	160		160	38,5	22L	1054-0-22EL		3054-0-22EL	
	28	160		100	41,5	28L	1054-0-28EL		3054-0-28EL	
	35	160		100	51	35L	1054-0-35EL		3054-0-35EL	
	42	160		100	56	42L	1054-0-42EL		3054-0-42EL	
	S	6	630		630	27	6S	1054-0-06ES		3054-0-06ES
		8	630		630	27,5	8S	1054-0-08ES		3054-0-08ES
		10	630		630	30	10S	1054-0-10ES		3054-0-10ES
		12	630		630	31	12S	1054-0-12ES		3054-0-12ES
14		630		630	35	14S	1054-0-14ES		3054-0-14ES	
16		400		400	36,5	16S	1054-0-16ES		3054-0-16ES	
20		400		400	44,5	20S	1054-0-20ES		3054-0-20ES	
25		400		400	50	25S	1054-0-25ES		3054-0-25ES	
30		400		250	55	30S	1054-0-30ES		3054-0-30ES	
38		315		250	63	38S	1054-0-38ES		3054-0-38ES	

DIN	2353	BAR			L2	L4	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Ø	Fe	CuZn						316Ti
L	6	315		250	27	26			3055-06EL	
	8	315		250	29	27,5			3055-08EL	
	10	315		250	30	28,5			3055-10EL	
	12	315		250	32	29			3055-12EL	
	15	315		250	36	32			3055-15EL	
	18	315		160	40	35			3055-18EL	
	22	160		160	44	38			3055-22EL	
	28	160		100	47	41,5			3055-28EL	
	35	160		100	56	51			3055-35EL	
	42	160		100	63	56			3055-42EL	
	S	6	630		630	31	27			3055-06ES
		8	630		630	32	27			3055-08ES
		10	630		630	34	29,5			3055-10ES
		12	630		630	38	30,5			3055-12ES
14		630		630	40	34,5			3055-14ES	
16		400		400	43	36			3055-16ES	
20		400		400	48	44			3055-20ES	
25		400		400	54	49,5			3055-25ES	
30		400		250	62	55			3055-30ES	
38		315		250	72	63			3055-38ES	



1060
3060

Kruiskoppeling
Croix égale
Equal crosse
Kreuzverschraubung



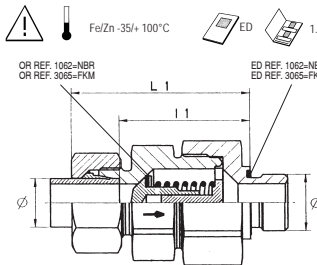
1061
3064

Terugslagklep
Clapet anti-retour
Non-return valve
Rückschlagventil

DIN 2353	Ø	BAR			L2	l2	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
LL	4	100		100	21	11	1060-04LL		3060-04LL	
	6	100		100	21	9,5	1060-06LL		3060-06LL	
	8	100		100	23	11,5	1060-08LL		3060-08LL	
L	6	315		250	27	12	1060-06L		3060-06L	
	8	315		250	29	14	1060-08L		3060-08L	
	10	315		250	30	15	1060-10L		3060-10L	
	12	315		250	32	17	1060-12L		3060-12L	
	15	315		250	36	21	1060-15L		3060-15L	
	18	315		160	40	23,5	1060-18L		3060-18L	
	22	160		160	44	27,5	1060-22L		3060-22L	
	28	160		100	47	30,5	1060-28L		3060-28L	
	35	160		100	56	34,5	1060-35L		3060-35L	
	42	160		100	63	40	1060-42L		3060-42L	
	S	6	630		630	31	16	1060-06S		3060-06S
		8	630		630	32	17	1060-08S		3060-08S
10		630		630	34	17,5	1060-10S		3060-10S	
12		630		630	38	21,5	1060-12S		3060-12S	
14		630		630	40	22	1060-14S		3060-14S	
16		400		400	43	24,5	1060-16S		3060-16S	
20		400		400	48	26,5	1060-20S		3060-20S	
25		400		400	54	30	1060-25S		3060-25S	
30		400		250	62	35,5	1060-30S		3060-30S	
38		315		250	72	41	1060-38S		3060-38S	

DIN 2353	Ø	BAR			L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti					
L	6	250		250	1	58	1061-06L	3064-06L	
	8	250		250	1	59	1061-08L	3064-08L	
	10	250		250	1	69,5	1061-10L	3064-10L	
	12	250		250	1	72,5	1061-12L	3064-12L	
	15	250		250	1	77,5	1061-15L	3064-15L	
	18	160		160	1	83,5	1061-18L	3064-18L	
	22	160		160	1	93,5	1061-22L	3064-22L	
	28	100		100	1	102,5	1061-28L	3064-28L	
	35	100		100	1	117,5	1061-35L	3064-35L	
	42	100		100	1	119	1061-42L	3064-42L	
	S	6	400		630	1	63,5	1061-06S	3064-06S
		8	400		630	1	63,5	1061-08S	3064-08S
10		400		630	1	72,5	1061-10S	3064-10S	
12		400		630	1	74,5	1061-12S	3064-12S	
14		315		630	1	82,5	1061-14S	3064-14S	
16		315		400	1	86,5	1061-16S	3064-16S	
20		250		400	1	97,5	1061-20S	3064-20S	
25		250		400	1	106,5	1061-25S	3064-25S	
30		250		250	1	122,5	1061-30S	3064-30S	
38		250		250	1	136,5	1061-38S	3064-38S	

2) 0.2 - 0.5 - 2 - 3 - 5 bar

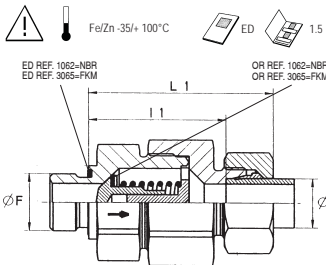


1062 DE
3065 DE

BSPP

Inschroef-terugslagklep
Clapet anti-retour mâle
Non-return valve with male stud
Einschraub-Rückschlagventil

ED, DIN 3852/2 Form (D)E 15.7/15.8



1063 DE
3066 DE

BSPP

Inschroef-terugslagklep
Clapet anti-retour m&ale
Non-return valve with male stud
Einschraub-Rückschlagventil

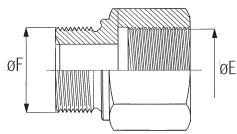
2) ED, DIN 3852/2 Form (D)E 15.7/15.8

DIN 2353	Ø	BAR			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	250		250	1	G1/8	41	1062-06LRDE	3065-06LRDE	
	8	250		250	1	G1/4	43	1062-08LRDE	3065-08LRDE	
	10	250		250	1	G1/4	53	1062-10LRDE	3065-10LRDE	
	12	250		250	1	G3/8	55	1062-12LRDE	3065-12LRDE	
	15	250		250	1	G1/2	57,5	1062-15LRDE	3065-15LRDE	
	18	160		160	1	G1/2	64	1062-18LRDE	3065-18LRDE	
	22	160		160	1	G3/4	72	1062-22LRDE	3065-22LRDE	
	28	100		100	1	G1	80,5	1062-28LRDE	3065-28LRDE	
	35	100		100	1	G1.1/4	91,5	1062-35LRDE	3065-35LRDE	
	42	100		100	1	G1.1/2	93	1062-42LRDE	3065-42LRDE	
	S	6	400		630	1	G1/4	46	1062-06SRDE	3065-06SRDE
		8	400		630	1	G1/4	48	1062-08SRDE	3065-08SRDE
10		400		630	1	G3/8	54	1062-10SRDE	3065-10SRDE	
12		400		630	1	G3/8	57	1062-12SRDE	3065-12SRDE	
14		315		630	1	G1/2	61	1062-14SRDE	3065-14SRDE	
16		315		400	1	G1/2	64	1062-16SRDE	3065-16SRDE	
20		250		400	1	G3/4	71,5	1062-20SRDE	3065-20SRDE	
25		250		400	1	G1	78,5	1062-25SRDE	3065-25SRDE	
30		250		250	1	G1.1/4	90,5	1062-30SRDE	3065-30SRDE	
38		250		250	1	G1.1/2	102	1062-38SRDE	3065-38SRDE	

2) 0.2 - 0.5 - 2 - 3 - 5 bar

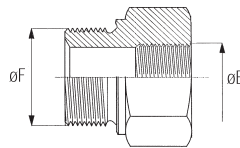
DIN 2353	Ø	BAR			ØF	L1	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.	
		Fe	CuZn	316Ti						
L	6	250		250	1	G1/8	42,5	1063-06LRDE	3066-06LRDE	
	8	250		250	1	G1/4	44,5	1063-08LRDE	3066-08LRDE	
	10	250		250	1	G1/4	53	1063-10LRDE	3066-10LRDE	
	12	250		250	1	G3/8	57	1063-12LRDE	3066-12LRDE	
	15	250		250	1	G1/2	63,5	1063-15LRDE	3066-15LRDE	
	18	160		160	1	G1/2	66	1063-18LRDE	3066-18LRDE	
	22	160		160	1	G3/4	71	1063-22LRDE	3066-22LRDE	
	28	100		100	1	G1	79,5	1063-28LRDE	3066-28LRDE	
	35	100		100	1	G1.1/4	90,5	1063-35LRDE	3066-35LRDE	
	42	100		100	1	G1.1/2	91,5	1063-42LRDE	3066-42LRDE	
	S	6	400		630	1	G1/4	46	1063-06SRDE	3066-06SRDE
		8	400		630	1	G1/4	46	1063-08SRDE	3066-08SRDE
10		400		630	1	G3/8	54	1063-10SRDE	3066-10SRDE	
12		400		630	1	G3/8	57	1063-12SRDE	3066-12SRDE	
14		315		630	1	G1/2	62	1063-14SRDE	3066-14SRDE	
16		315		400	1	G1/2	66	1063-16SRDE	3066-16SRDE	
20		250		400	1	G3/4	73,5	1063-20SRDE	3066-20SRDE	
25		250		400	1	G1	78,5	1063-25SRDE	3066-25SRDE	
30		250		250	1	G1.1/4	90,5	1063-30SRDE	3066-30SRDE	
38		250		250	1	G1.1/2	100	1063-38SRDE	3066-38SRDE	

2) 0.2 - 0.5 - 2 - 3 - 5 bar



1068
3068
BSPP
Draadverloop-adaptor
Adapteur de réduction
Reducing adaptor
Reduzierstutzen

ØF, DIN 3852 Form B 15.7/15.8



1069
3069
BSPP
Draadverloop-adaptor
Adapteur de réduction
Reducing adaptor
Reduzierstutzen

ØF, DIN 3852 Form B 15.7/15.8

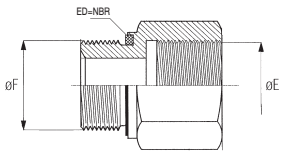
DIN	Ø	BAR ¹⁾			ØF	ØE	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
2353	630	630	630	G1/8	G1/8	1068-02-02			
	630	630	630	G1/4	G1/4	1068-04-04			
	630	630	630	G3/8	G3/8	1068-06-06			
	400	400	400	G1/2	G1/2	1068-08-08			
	400	400	400	G3/4	G3/4	1068-12-12			
	400	400	400	G1	G1	1068-16-16			
	250	250	250	G1.1/4	G1.1/4	1068-20-20			

1) = PB, F = 2,5 1.34 & 1.35

DIN	Ø	BAR ¹⁾			ØF	ØE	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
2353	250	250	250	G1/4	G3/8	1069-20-06			
	250	250	250	G1/2	G3/8	1069-24-06			
	250	250	250	G2	G1/2	1069-32-08			
	250	250	250	G2	G3/4	1069-32-12			
	250	250	250	G2	G1	1069-32-16			
	250	250	250	G2	G1.1/4	1069-32-20			
	250	250	250	G2	G1.1/2	1069-32-24			

1) = PB, F = 2,5 1.34 & 1.35

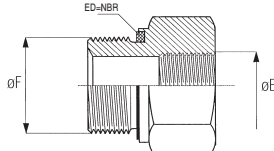
Fe/Zn-35/+100°C ED 1.5



1068 DE
3068 DE
BSPP
Draadverloop-adaptor
Adapteur de réduction
Reducing adaptor
Reduzierstutzen

ØF, DIN 3852/2 Form (D)E 15.7/15.8

Fe/Zn-35/+100°C ED 1.5



1069 DE
3069 DE
BSPP
Draadverloop-adaptor
Adapteur de réduction
Reducing adaptor
Reduzierstutzen

ØF, DIN 3852/2 Form (D)E 15.7/15.8

DIN	Ø	BAR			ØF	ØE	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
2353	630	630	630	G1/8	G1/4	1068-02-04DE		3068-02-04DE	
	630	630	630	G1/8	G3/8	1068-02-06DE		3068-02-06DE	
	630	630	630	G1/4	G1/8	1068-04-02DE		3068-04-02DE	
	630	630	630	G1/4	G3/8	1068-04-06DE		3068-04-06DE	
	630	630	630	G1/4	G1/2	1068-04-08DE		3068-04-08DE	
	630	630	630	G1/4	G3/4	1068-04-12DE		3068-04-12DE	
	630	630	630	G3/8	G1/4	1068-06-04DE		3068-06-04DE	
	630	630	630	G3/8	G1/2	1068-06-08DE		3068-06-08DE	
	400	630	630	G3/8	G3/4	1068-06-12DE		3068-06-12DE	
	630	630	630	G1/2	G3/8	1068-08-06DE		3068-08-06DE	
		400	400	G1/2	G3/4	1068-08-12DE		3068-08-12DE	
		400	400	G1/2	G1	1068-08-16DE		3068-08-16DE	
		400	400	G1/2	G1.1/4	1068-08-20DE		3068-08-20DE	
		400	400	G3/4	G1/2	1068-12-08DE		3068-12-08DE	
	400	400	G3/4	G1	1068-12-16DE		3068-12-16DE		
	400	400	G3/4	G1.1/4	1068-12-20DE		3068-12-20DE		
	315	315	G3/4	G1.1/2	1068-12-24DE		3068-12-24DE		
	400	400	G1	G3/4	1068-16-12DE		3068-16-12DE		
	400	400	G1	G1.1/4	1068-16-20DE		3068-16-20DE		
	315	315	G1	G1.1/2	1068-16-24DE		3068-16-24DE		
	400	400	G1.1/4	G1	1068-20-16DE		3068-20-16DE		
	315	315	G1.1/4	G1.1/2	1068-20-24DE		3068-20-24DE		
	315	315	G1.1/2	G1.1/4	1068-24-20DE		3068-24-20DE		

DIN	Ø	BAR			ØF	ØE	Fe/Zn REF.	CuZn REF.	AISI 316Ti REF.
		Fe	CuZn	316Ti					
2353	630		630	G3/8	G1/8	1069-06-02DE		3069-06-02DE	
	630		630	G1/2	G1/8	1069-08-02DE		3069-08-02DE	
	630		630	G1/2	G1/4	1069-08-04DE		3069-08-04DE	
	400		400	G3/4	G1/4	1069-12-04DE		3069-12-04DE	
	400		400	G3/4	G3/8	1069-12-06DE		3069-12-06DE	
	400		400	G1	G1/4	1069-16-04DE		3069-16-06DE	
	400		400	G1	G3/8	1069-16-06DE		3069-16-06DE	
	400		400	G1	G1/2	1069-16-08DE		3069-16-08DE	
	400		400	G1.1/4	G1/2	1069-20-08DE		3069-20-08DE	
	400		400	G1.1/4	G3/4	1069-20-12DE		3069-20-12DE	
	315		315	G1.1/2	G1/2	1069-24-08DE		3069-24-08DE	
	315		315	G1.1/2	G3/4	1069-24-12DE		3069-24-12DE	
	315		315	G1.1/2	G1	1069-24-16DE		3069-24-16DE	