



AVIT ≈ ISO 6164 ¹

- Mit Flansch-Zentrierung im Gegenlosflansch
 - Ausgelegt für schwelende Beanspruchungen
 - Leichte Montage durch Losflanschsystem
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- With flange-centring in the counter flange clamp
 - Designed for dynamic loads
 - Easy assembly by flange clamp system

WERKSTOFF-KOMBINATION
MATERIAL COMBINATION

Werkstoff, Oberfläche / Material, Surface	TYP DN-Serie-daxs-**
Stahl, phosphatiert / Steel, phosphatised; NBR	FK 40-3 - daxs - 01
Stahl, phosphatiert / Steel, phosphatised; FKM	FK 40-3 - daxs - 02
Stahl+N, phosphatiert / Steel+N, phosphatised; NBR	FK 40-3 - daxs - 11
Stahl+N, phosphatiert / Steel+N, phosphatised; FKM	FK 40-3 - daxs - 12
Edelstahl 1.4571 / Stainless steel AISI 316Ti; NBR	FK 40-3 - daxs - 41
Edelstahl 1.4571 / Stainless steel AISI 316Ti; FKM	FK 40-3 - daxs - 44

BESTELLBEISPIEL
ORDER EXAMPLE

STÜCKLISTE
PARTS LIST

Pos.	Bezeichnung / Description
1	Flanschbund mit O-Ring Nut / Flange head with O-ring groove
2	Gegenflanschbund / Counter flange
3	Losflansche / Flange clamps
4	O-Ring Dichtung / O-ring sealing
5	Schrauben / Bolts ²
6	Muttern / Nuts ³

SERIE SERIES	DN	ABMESSUNGEN [mm] DIMENSIONS					O-RING Pos. 4	SCHRAUBEN BOLTS Pos. 5	STK. PCS.	GEWICHT WEIGHT [kg]	BESTELLCODE ORDER CODE	
		[bar]	[mm]	b	d	t						d1
0 PN 64	25		70	-	64	46	106	28,0x2,62	M12x55	4	1,38	FK 25-0 33,7x2,6
	32		80	-	72	55	122	43,0x3,00	M12x65	4	2,17	FK 32-0 42,4x2,6
	40		90	-	80	60	130	47,2x3,53	M16x80	4	3,49	FK 40-0 48,3x2,6
	50		100	-	98	76	153	56,7x3,53	M16x100	4	5,23	FK 50-0 60,3x2,9
	65		120	-	118	92	190	75,5x3,53	M20x120	4	8,79	FK 65-0 76,1x2,9
	80		150	-	145	110	210	85,1x5,33	M24x130	4	14,8	FK 80-0 88,9x3,2
	90		180	-	175	135	262	94,6x5,33	M30x150	4	15,5	FK 90-0 101,6x7,1
	100		180	-	175	135	262	106,0x5,33	M30x150	4	26,3	FK 100-0 114,3x3,6
	125		-	245	200	168	292	132,0x6,99	M24x170	8	40,9	FK 125-0 139,7x8,0
	150		-	300	245	205	372	157,5x6,99	M30x200	8	73,2	FK 150-0 168,3x10,0
2 PN 160	12		50	-	44	28	80	16,3x2,40	M10x55	4	0,82	FK 12-2 16,0x1,5
	16		60	-	54	38	94	20,3x2,40	M10x55	4	1,14	FK 16-2 20,0x2,5
	20		60	-	54	38	94	25,3x2,40	M10x55	4	1,14	FK 20-2 25,0x2,5
	25		70	-	64	46	106	28,0x2,62	M12x55	4	1,61	FK 25-2 30,0x3,0
	32		80	-	72	55	122	34,5x3,53	M12x65	4	2,57	FK 32-2 38,0x4,0
	40		90	-	80	60	130	46,2x3,53	M16x80	4	3,60	FK 40-2 48,3x4,0
	50		100	-	98	76	153	53,0x5,33	M16x100	4	5,65	FK 50-2 60,3x5,0
	65		120	-	118	92	190	69,0x5,33	M20x120	4	9,67	FK 65-2 76,1x6,3
	80		180	-	175	135	262	92,5x5,33	M30x150	4	22,3	FK 80-2 101,6x8,8
	100		180	-	175	135	262	106,0x5,33	M30x150	4	28,1	FK 100-2 114,3x10,0
	125		-	245	200	168	292	132,0x6,99	M24x170	8	44,7	FK 125-2 152,4x12,5
	150		-	300	245	205	372	157,5x6,99	M30x200	8	80,0	FK 150-2 177,8x16,0
	200		-	355	290	245	391	196,2x6,99	M36x220	8	122,0	FK 200-2 219,1x20,0

1 Lochbild der Serie 3 und 4 bis DN 80 gemäß Norm. | Hole pattern form series 3 and 4 to DN 80 according to standard.
 2 Serie 6: Stahl Schrauben Klasse 10.9. Edelstahl: Stahl Schrauben 10.9 mit Zinklamellenbeschichtung. | Series 6: Bolts property class 10.9. Stainless steel: bolts made of steel with zinc flake coating.
 3 Serie 6: Muttern aus Stahl Festigkeitsklasse 10. Edelstahl mit Zinklamellenbeschichtung. | Series 6: All nuts made of steel with property class 10. Stainless steel with zinc flake coating.

SERIE SERIES	DN	ABMESSUNGEN [mm] DIMENSIONS					O-RING	SCHRAUBEN BOLTS	STK. PCS.	GEWICHT WEIGHT	BESTELLCODE ORDER CODE
		[bar]	[mm]	b	d	t					
3 PN 250	10	50	-	44	28	80	16,3x2,40	M10x55	4	0,85	FK 10-3 16,0x2,0
	16	60	-	54	38	94	22,4x2,62	M10x55	4	1,21	FK 16-3 21,3x2,6
	20	70	-	64	46	106	28,0x2,62	M12x55	4	1,64	FK 20-3 26,9x3,6
	25	80	-	72	55	122	34,5x3,53	M12x65	4	2,58	FK 25-3 33,7x4,5
	32	90	-	80	60	130	38,7x3,53	M16x80	4	3,88	FK 32-3 42,4x5,6
	40	100	-	98	76	153	53,0x5,33	M16x100	4	5,82	FK 40-3 60,3x8,0
	50	120	-	118	92	190	61,5x5,33	M20x120	4	10,5	FK 50-3 76,1x10,0
	65	150	-	145	110	210	75,57x5,33	M24x130	4	16,9	FK 65-3 88,9x11,0
	80	180	-	175	135	262	92,5x5,33	M30x150	4	30,6	FK 80-3 101,6x12,5
	100	-	245	200	168	292	115,0x6,99	M24x170	8	47,8	FK 100-3 139,7x17,5
	125	-	300	245	205	372	147,5x6,99	M30x200	8	84,3	FK 125-3 168,3x20,0
	150	-	355	290	245	391	170,0x6,99	M36x220	8	132,0	FK 150-3 193,7x25,0
175	-	450	370	320	434	196,2x6,99	M36x260	8	234,0	FK 175-3 244,5x30,0	
200	-	490	395	340	464	215,3x6,99	M42x280	12	331,0	FK 200-3 273,0x36,0	
4 PN 315	10	50	-	44	28	80	16,3x2,40	M10x55	4	0,85	FK 10-4 17,2x3,2
	16	60	-	54	38	94	22,4x2,62	M10x55	4	1,23	FK 16-4 26,9x4,5
	20	70	-	64	46	106	28,0x2,62	M12x55	4	1,71	FK 20-4 33,7x5,6
	25	80	-	72	55	122	34,5x3,53	M12x65	4	2,65	FK 25-4 42,4x7,1
	32	90	-	80	60	130	38,7x3,53	M16x80	4	4,04	FK 32-4 48,3x8,0
	40	100	-	98	76	153	53,0x5,33	M16x100	4	6,09	FK 40-4 60,3x10,0
	50	120	-	118	92	190	61,5x5,33	M20x120	4	10,9	FK 50-4 76,1x12,5
	65	150	-	145	110	210	75,57x5,33	M24x130	4	17,8	FK 65-4 88,9x14,2
	80	180	-	175	135	262	92,5x5,33	M30x150	4	31,0	FK 80-4 114,3x17,5
	100	-	245	200	168	292	115,0x6,99	M24x170	8	50,7	FK 100-4 139,7x22,2
	125	-	300	245	205	372	147,5x6,99	M30x200	8	92,8	FK 125-4 177,8x30,0
	150	-	355	290	245	391	170,0x6,99	M36x220	8	140,5	FK 150-4 219,1x36,0
	175	-	450	370	320	434	196,2x6,99	M36x260	8	249,8	FK 175-4 244,5x40,0
	200	-	490	395	340	464	215,3x6,99	M42x280	12	349,5	FK 200-4 273,0x45,0
225	-	530	440	384	500	253,4x6,99	M42x300	12	457,5	FK 225-4 323,9x50,0	
250	-	580	480	424	536	278,77x6,99	M42x320	12	540,0	FK 250-4 355,6x55,0	
5 PN 420	16	70	-	64	46	94	22,4x2,62	M12x60	4	1,84	FK 16-5 26,9x5,6
	20	80	-	72	55	106	28,0x2,62	M12x70	4	2,83	FK 20-5 33,7x6,3
	25	90	-	84	63	124	34,5x3,53	M16x90	4	4,47	FK 25-5 42,4x8,0
	32	100	-	98	76	154	37,7x3,53	M16x100	4	6,18	FK 32-5 48,3x8,8
	40	120	-	118	92	190	50,17x5,33	M20x120	4	11,4	FK 40-5 60,3x11,0
	50	150	-	145	110	210	56,52x5,33	M24x130	4	18,5	FK 50-5 76,1x14,2
	65	180	-	175	135	262	75,57x5,33	M30x150	4	33,0	FK 65-5 101,6x20,0
	70	190	-	185	148	292	81,92x5,33	M30x180	4	44,6	FK 70-5 114,3x22,0
	80	-	245	200	172	292	92,5x5,33	M24x170	8	54,1	FK 80-5 139,7x28,0
	90 ⁴	-	300	245	205	372	103,0x5,33	M30x200	8	96,7	FK 90-5 152,4x30,0
	100	-	320	255	215	372	116,8x6,99	M30x200	8	108,4	FK 100-5 168,3x32,0
	125	-	390	315	273	392	147,5x6,99	M36x220	8	181,2	FK 125-5 219,1x45,0
	150	-	450	375	328	412	177,17x6,99	M36x280	12	289,3	FK 150-5 273,0x55,0
200	-	570	476	426	592	227,97x6,99	M42x340	12	590,5	FK 200-5 325,0x65,0	
6 PN 500	16	75	-	67	50	108	25,07x2,62	M12x80 ^{2,3}	4	2,80	FK 16-6 30,0x7,0
	20	90	-	84	63	128	31,34x3,53	M16x100 ^{2,3}	4	4,48	FK 20-6 38,0x8,8
	25	120	-	101	76	158	37,69x3,53	M20x120 ^{2,3}	4	10,9	FK 25-6 48,3x10,0
	32	140	-	125	90	178	44,04x3,53	M24x140 ^{2,3}	4	17,8	FK 32-6 60,3x14,2
	40	150	-	142	110	208	56,52x5,33	M24x150 ^{2,3}	4	22,26	FK 40-6 76,1x17,5
	50	180	-	168	125	228	62,87x5,33	M30x180 ^{2,3}	4	35,5	FK 50-6 88,9x20,0
	65	-	245	188	154	268	75,57x5,33	M24x180 ^{2,3}	8	56,2	FK 65-6 114,3x25,0
	80	-	315	228	182	328	97,79x5,33	M36x210 ^{2,3}	8	108,9	FK 80-6 139,7x30,0
	100	-	360	264	218	378	116,84x6,99	M36x240 ^{2,3}	12	173,3	FK 100-6 168,3x36,0
	125	-	420	330	275	412	132,72x6,99	M42x260 ^{2,3}	12	263,8	FK 125-6 219,1x50,0
	150	-	490	395	340	468	177,17x6,99	M42x280 ^{2,3}	12	363,9	FK 150-6 273,0x60,0

2 Serie 6: Stahl Schrauben Klasse 10.9. Edelstahl: Stahl Schrauben 10.9 mit Zinklamellenbeschichtung | Series 6: Bolts property class 10.9. Stainless steel: bolts made of steel with zinc flake coating.
 3 Serie 6: Muttern aus Stahl Festigkeitsklasse 10. Edelstahl mit Zinklamellenbeschichtung | Series 6: All nuts made of steel with property class 10. Stainless steel with zinc flake coating.
 4 Frühere Größe DN 100! | Former size DN 100!



FLANSCH
FLANGES