Rohrzirkulation
Tube circulation

Merkmale

Kann entsprechend dem Wellendurchmesser, der Steigung und der Anzahl der Lagerreihen kombiniert werden. Der Anwendungsbereich ist groß, und beide Enden der Gewindelaufbahn der Kugelumlaufspindel können als unvollständige Zähne ausgeführt werden.
Der DN-Grenzwert beträgt 100.000.

Characteristics

It can be combined according to the shaft diameter, lead, and the number of bearing rows, and the application range is wide, and both ends of the ball screw threaded raceway can be designed as incomplete teeth.
The limit DN value is 100,000.

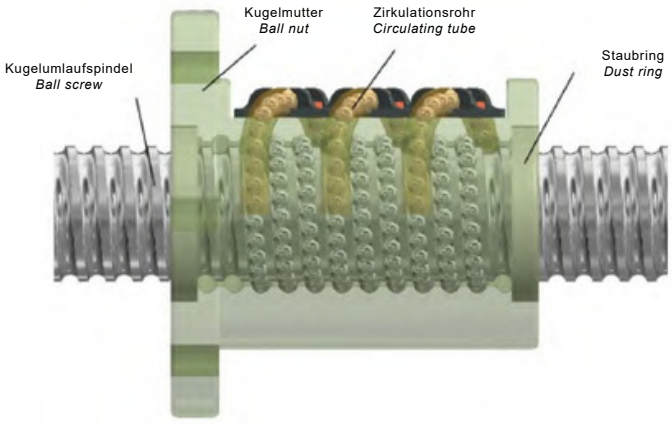
Genauigkeitsklasse und Axialspiel

Accuracy class and axial play

Index	Genauigkeitsklasse *Accuracy class*	Axialspiel *Axial play*
Positionierung *Positioning*	C1、C2、C3、C4、C5	0mm(preload) / Vorspannung
Transport *Transmission*	T1、T2、T3、T4、T5、T7、T10	S:0~0.005mm、M:0~0.02mm、L:0~0.05mm

Bei der Wahl der Genauigkeitsklasse ist auch die „maximale Fertigungslänge der Spindel“ zu berücksichtigen.
Für Kugelgewindetriebe zur Positionierung werden in der Regel vorgespannte Produkte verwendet. Für Kugelgewindetriebe zum Transport werden in der Regel Produkte mit Spiel verwendet.

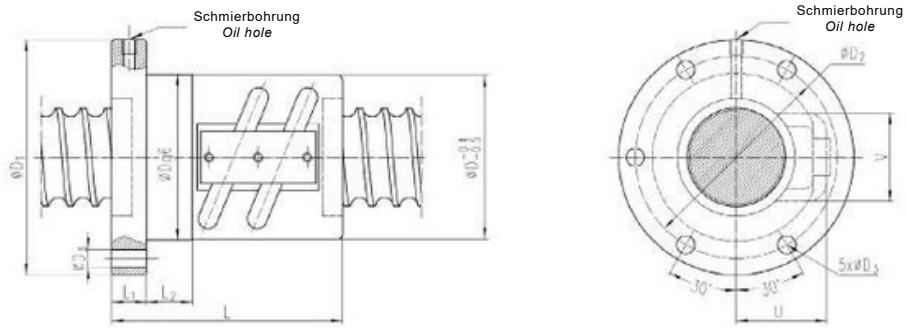
When selecting an accuracy class, it is also necessary to refer to the „maximum manufacturing length of the lead screw“.
The positioning type ball screw pair generally uses preloaded products, and the transmission type ball screw pair generally uses products with play.



Darstellung der Rohrzirkulation des Rohrumlaufs
Sketch drawing of tube circulation

Einzelflanschmutter
Single flange nut

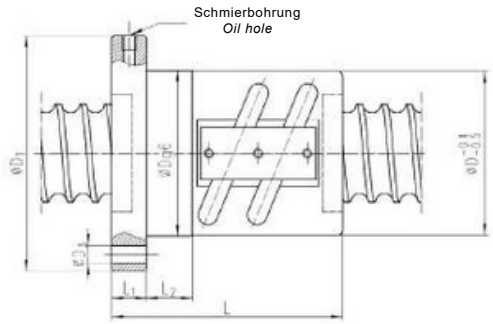
FEZG

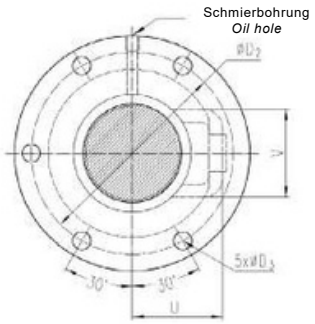


Index	Spindel Ball screw		Kugel- ø Ball- ø	Kugelumläufe Cycle number x column	D	Flansch Flange			L2	L	D3	hervorstehender Teil der Zirkulationsleitung Prominent part of circulating pipe		Ölbohrung Oil hole	Nennlast (N) nominal load		Steifigkeit Rigidity K N/um
	Nenn- ø Nominal- ø	Steigung Lead				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FEZG16-5	16	5	3.175	1.5×2	31	54	41	12	15	50	5.5	20	23	M6×1	11650	16150	209
FEZG16-5				2.5×1						45					9962	13460	176
FEZG16-5				2.5×2						60					18080	26930	341
FEZG16-5				3.5×1						50					13300	18850	243
FEZG20-5	20	5	3.175	1.5×2	35	58	46	12	15	50	5.5	22	27	M6×1	13100	20520	248
FEZG20-5				2.5×1						45					11190	17100	208
FEZG20-5				2.5×2						60					20320	34210	404
FEZG20-5				3.5×1						50					14950	23940	287
FEZG20-6	20	6	3.969	1.5×2	36	60	47	12	15	66	5.5	23	28	M6×1	17420	25260	256
FEZG20-6				2.5×1						48					14890	21050	215
FEZG20-6				3.5×1						66					19890	29470	296
FEZG25-6	25	6	3.969	1.5×2	42	68	55	12	15	65	5.5	28	33	M6×1	19580	32080	303
FEZG25-6				2.5×1						50					16740	26730	254
FEZG25-6				2.5×2						68					30380	53470	494
FEZG25-6				3.5×1						65					22360	37430	351
FEZG25-10	25	10	4.762	1.5×2	45	72	58	16	15	75	6.6	29	35	M6×1	24940	38620	324
FEZG25-10				2.5×1						65					21320	32180	272
FEZG25-10				3.5×1						75					28480	45060	375
FEZG32-5	32	5	3.175	1.5×2	50	76	63	12	15	50	6.6	30	39	M6×1	16230	33610	346
FEZG32-5				2.5×1						45					13880	28010	290
FEZG32-5				2.5×2						60					25190	56030	565
FEZG32-5				2.5×3						75					35700	84040	834
FEZG32-5				3.5×1						50					18540	39220	401
FEZG32-6	32	6	3.969	1.5×2	57	78	65	12	15	55	6.6	32	40	M6×1	22240	42280	374
FEZG32-6				2.5×1						50					19010	35230	314
FEZG32-6				2.5×2						68					34500	70470	610
FEZG32-6				3.5×1						55					25390	49330	433
FEZG32-8	32	8	4.762	1.5×2	54	88	70	16	15	70	9	33	42	M6×1	27740	48660	377
FEZG32-8				2.5×1						62					23710	40550	316
FEZG32-8				2.5×2						86					43040	81100	615
FEZG32-8				3.5×1						70					31670	56770	473

Einzelflanschmutter
Single flange nut

FEZG

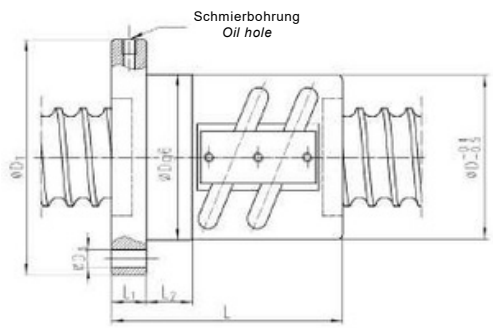


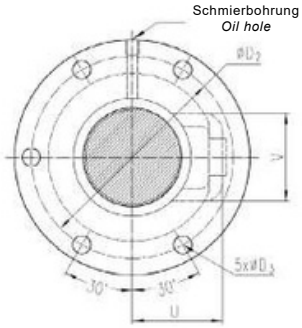


Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*			L2	L	D3	hervorstehender Teil der Zirkulationsleitung *Prominent part of circulating pipe*		Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FEZG32-10	32	10	6.35	1.5×2	57	91	73	16	15	78	9	37	45	M8×1	40580	64630	398
FEZG32-10				2.5×1						68					34690	53860	334
FEZG32-10				2.5×2						98					62960	107720	649
FEZG32-10				3.5×1						78					46330	75410	461
FEZG40-5	40	5	3.175	1.5×2	58	92	72	16	15	55	9	34	47	M8×1	17810	42340	395
FEZG40-5				2.5×1						50					15220	35280	331
FEZG40-5				2.5×2						65					27640	70570	645
FEZG40-5				2.5×3						80					39170	105850	953
FEZG40-5				3.5×1						55					20340	49400	458
FEZG40-6	40	6	3.969	1.5×2	60	94	76	16	15	60	9	36	48	M8×1	24270	52540	419
FEZG40-6				2.5×1						54					20748	43780	352
FEZG40-6				2.5×2						72					37660	87570	685
FEZG40-6				2.5×3						90					53370	131350	1011
FEZG40-6				3.5×1						60					27710	61290	486
FEZG40-8	40	8	4.762	1.5×2	62	96	78	16	15	70	9	38	50	M8×1	31360	63300	450
FEZG40-8				2.5×1						62					26810	52750	378
FEZG40-8				2.5×2						86					48660	105510	734
FEZG40-8				3.5×1						70					35800	73860	521
FEZG40-10	40	10	6.35	1.5×2	65	106	85	18	20	82	11	42	52	M8×1	45610	82100	470
FEZG40-10				2.5×1						72					38990	68420	394
FEZG40-10				2.5×2						102					70780	136840	767
FEZG40-10				3.5×1						82					52080	95790	545
FEZG50-5	50	5	3.175	1.5×2	70	104	86	16	15	63	9	40	57	M8×1	19470	53240	451
FEZG50-5				1.5×3						73					27600	79860	667
FEZG50-5				3.5×1						63					22230	62110	523
FEZG50-6	50	6	3.969	2.5×2	72	106	88	16	15	75	9	43	59	M8×1	41310	110280	789
FEZG50-6				2.5×3						93					58550	165430	1166
FEZG50-8	50	8	4.762	2.5×2	75	116	95	18	20	88	11	45	60	M8×1	52800	130160	843
FEZG50-8				2.5×3						112					74840	195240	1245

Einzelflanschmutter
Single flange nut

FEZG

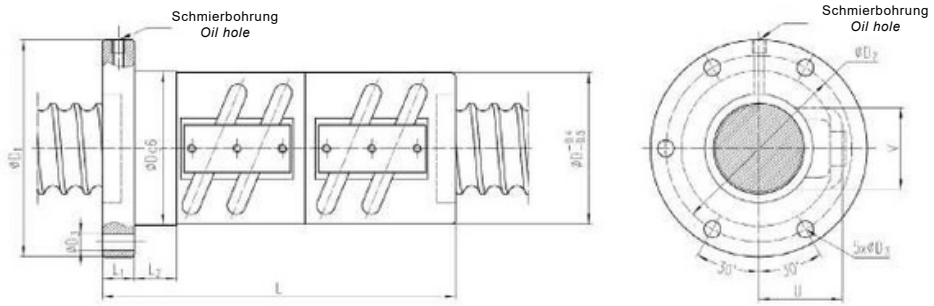




Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*			L2	L	D3	hervorstehender Teil der Zirkulationsleitung *Prominent part of circulating pipe*		Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FEZG50-10	50	10	6.35	1.5×2	78	119	98	18	20	84	11	48	62	M8×1	50720	103930	553
FEZG50-10				2.5×1						74					43360	86610	464
FEZG50-10				2.5×2						104					78710	173220	903
FEZG50-10				2.5×3						134					111550	259830	1332
FEZG50-10				3.5×1						84					57910	121250	641
FEZG50-12	50	12	7.144	2.5×1	82	128	105	22	20	87	14	52	64	M8×1	50380	95830	478
FEZG50-12				2.5×2						123					91450	191670	929
FEZG63-10	63	10	6.35	2.5×1	90	132	110	20	20	77	11	53	76	M8×1	48520	111990	541
FEZG63-10				2.5×2						107					88070	223990	1054
FEZG63-10				2.5×3						137					124810	335990	1556
FEZG63-12	63	12	8	2.5×1	94	142	117	22	20	88	14	57	76	M8×1	64710	135420	563
FEZG63-12				2.5×2						124					117450	270840	1095
FEZG63-12				2.5×3						160					166460	406260	1616
FEZG63-16	63	16	9.525	2.5×1	100	150	123	22	20	105	14	62	79	M8×1	82840	162080	601
FEZG63-16				2.5×2						153					150350	324160	1167
FEZG80-10	80	10	6.35	2.5×2	115	163	137	22	20	109	14	64	91	M8×1	96250	282280	12380
FEZG80-10				2.5×3						139					136410	423430	1829
FEZG80-12	80	12	8	2.5×2	120	169	143	22	25	125	14	67	94	M8×1	131140	350280	1317
FEZG80-12				2.5×3						159					185850	525420	1944
FEZG80-16	80	16	9.525	2.5×2	125	190	154	28	25	156	18	70	96	M8×1	169480	422150	1413
FEZG80-16				2.5×3						204					240190	633220	2084

Doppel-Flanschmutter
Double flange nut

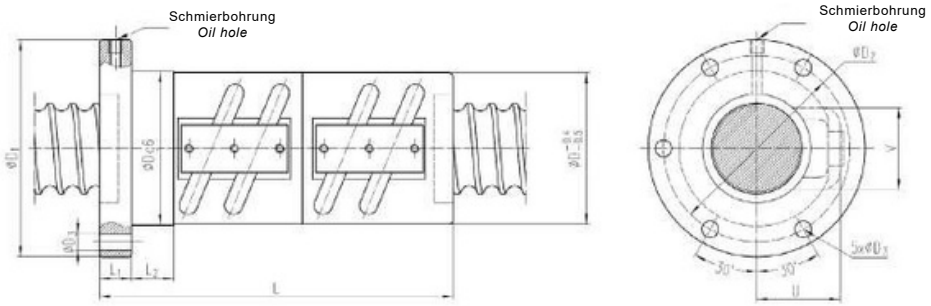
FDZG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*			L2	L	D3	hervorstehender Teil der Zirkulationsleitung *Prominent part of circulating pipe*		Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FDZG16-5	16	5	3.175	1.5×2	31	54	41	12	15	90	5.5	20	23	M6×1	11650	16150	407
FDZG16-5				2.5×1						80					9962	13460	342
FDZG16-5				2.5×2						110					18080	26930	663
FDZG16-5				3.5×1						90					13300	18850	471
FDZG20-5	20	5	3.175	1.5×2	35	58	46	12	15	90	5.5	22	27	M6×1	13100	20520	485
FDZG20-5				2.5×1						80					11190	17100	407
FDZG20-5				2.5×2						110					20320	34210	791
FDZG20-5				3.5×1						90					14950	23940	562
FDZG20-6	20	6	3.969	1.5×2	36	60	47	12	15	104	5.5	23	28	M6×1	17420	25260	498
FDZG20-6				2.5×1						92					14890	21050	418
FDZG20-6				3.5×1						104					19890	29470	577
FDZG25-5	25	5	3.175	1.5×2	40	64	52	12	15	90	5.5	25	32	M6×1	14560	25980	572
FDZG25-5				2.5×1						80					12450	21650	481
FDZG25-5				2.5×2						110					22600	43300	934
FDZG25-5				3.5×1						90					16630	30310	664
FDZG25-6	25	6	3.969	1.5×2	42	68	55	12	15	104	5.5	28	33	M6×1	19580	32080	594
FDZG25-6				2.5×1						92					16740	26730	499
FDZG25-6				2.5×2						128					30380	53470	969
FDZG25-6				3.5×1						104					22360	37430	689
FDZG25-10	25	10	4.762	1.5×2	45	72	58	16	15	136	6.6	29	35	M6×1	24940	38620	627
FDZG25-10				2.5×1						122					21320	32180	526
FDZG25-10				3.5×1						136					28480	45060	726
FDZG32-5	32	5	3.175	1.5×2	50	76	63	12	15	90	6.6	30	39	M6×1	16230	33610	689
FDZG32-5				2.5×1						80					13880	28010	578
FDZG32-5				2.5×2						110					25190	56030	1124
FDZG32-5				2.5×3						140					35700	84040	1650
FDZG32-5				3.5×1						90					18540	39220	798

Doppel-Flanschmutter
Double flange nut

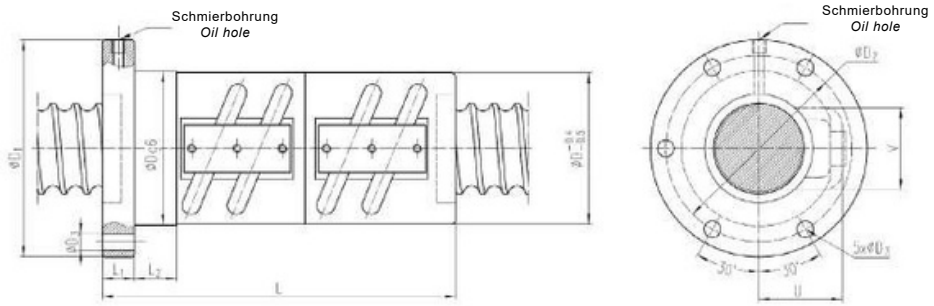
FDZG



Index	Spindel Ball screw		Kugel- ø Ball- ø	Kugelumläufe Cycle number x column	D	Flansch Flange			L2	L	D3	hervorstehender Teil der Zirkulationsleitung Prominent part of circulating pipe		Ölbohrung Oil hole	Nennlast nominal load (N)		Steifigkeit Rigidity K N/um
	Nenn- ø Nominal- ø	Steigung Lead				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FDZG32-6	32	6	3.969	1.5×2	52	78	65	12	15	104	6.6	32	40	M6×1	22240	42280	728
FDZG32-6				2.5×1						92					19010	35230	611
FDZG32-6				2.5×2						128					34500	70470	1187
FDZG32-6				3.5×1						104					25390	49330	844
FDZG32-8	32	8	4.762	1.5×2	54	88	70	16	15	126	9	33	42	M6×1	27740	48660	737
FDZG32-8				2.5×1						110					23710	40550	619
FDZG32-8				2.5×2						158					43040	81100	1200
FDZG32-8				3.5×1						126					31670	56770	854
FDZG32-10	32	10	6.35	1.5×2	57	91	73	16	15	142	9	37	45	M8×1	40580	64630	774
FDZG32-10				2.5×1						122					34690	53860	651
FDZG32-10				2.5×2						182					62960	107720	1262
FDZG32-10				3.5×1						142					46330	75410	897
FDZG40-5	40	5	3.175	1.5×2	58	92	72	16	15	94	9	34	47	M8×1	17810	42340	798
FDZG40-5				2.5×1						84					15220	35280	670
FDZG40-5				2.5×2						114					27640	70570	1303
FDZG40-5				2.5×3						144					39170	105850	1922
FDZG40-5				3.5×1						94					20340	49400	925
FDZG40-6	40	6	3.969	1.5×2	60	94	76	16	15	108	9	36	48	M8×1	24270	52540	839
FDZG40-6				2.5×1						96					20740	43780	704
FDZG40-6				2.5×2						132					37660	87570	1369
FDZG40-6				2.5×3						168					53370	131350	2019
FDZG40-6				3.5×1						108					27710	61290	973
FDZG40-8	40	8	4.762	1.5×2	62	96	78	16	15	126	9	38	50	M8×1	31360	63300	889
FDZG40-8				2.5×1						110					26810	52750	747
FDZG40-8				2.5×2						158					48660	105510	1450
FDZG40-8				3.5×1						126					35800	73860	1030
FDZG40-10	40	10	6.35	1.5×2	65	106	85	18	20	152	11	42	52	M8×1	45610	82100	922
FDZG40-10				2.5×1						132					38990	68420	774
FDZG40-10				2.5×2						192					70780	136840	1502
FDZG40-10				3.5×1						152					52080	95790	1068

Doppel-Flanschmutter
Double flange nut

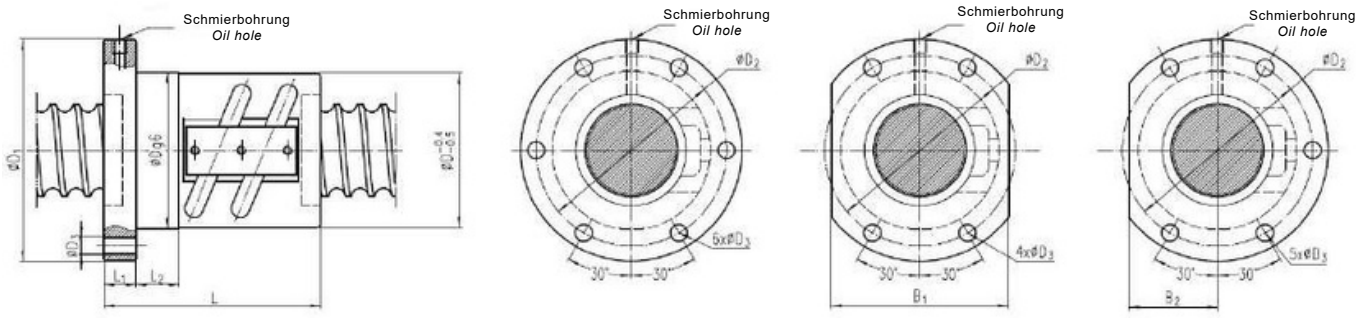
FDZG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*			L2	L	D3	hervorstehender Teil der Zirkulationsleitung *Prominent part of circulating pipe*		Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	L1				U	V		C_{dyn}	C_{stat}	
FDZG50-5	50	5	3.175	1.5×2	70	104	86	16	15	107	9	40	57	M8×1	19470	53240	925
FDZG50-5				1.5×3						127					27600	79860	1360
FDZG50-5				3.5×1						107					22230	62110	1072
FDZG50-6	50	6	3.969	2.5×2	72	106	88	16	15	134	9	43	59	M8×1	41310	110280	1596
FDZG50-6				2.5×3						170					58550	165430	2355
FDZG50-8	50	8	4.762	2.5×2	75	116	95	18	20	160	11	45	60	M8×1	52800	130160	1679
FDZG50-8				2.5×3						208					74840	195240	2475
FDZG50-10	50	10	6.35	1.5×2	78	119	98	18	20	154	11	48	62	M8×1	50720	103930	1093
FDZG50-10				2.5×1						134					43360	86610	918
FDZG50-10				2.5×2						194					78710	173220	1783
FDZG50-10				2.5×3						254					111550	259830	2628
FDZG50-10				3.5×1						154					57910	121250	1267
FDZG50-12	50	12	7.144	2.5×1	82	128	105	22	20	160	14	52	64	M8×1	50380	95830	937
FDZG50-12				2.5×2						232					91450	191670	1819
FDZG63-10	63	10	6.35	2.5×1	90	132	110	20	20	136	11	53	76	M8×1	48520	111990	1087
FDZG63-10				2.5×2						196					88070	223990	2113
FDZG63-10				2.5×3						256					124810	335990	3116
FDZG63-12	63	12	8	2.5×1	94	142	117	22	20	160	14	57	76	M8×1	64710	135420	1118
FDZG63-12				2.5×2						232					117450	270840	2172
FDZG63-12				2.5×3						304					166460	406260	3203
FDZG63-16	63	16	9.525	2.5×1	100	150	123	22	20	200	14	62	79	M8×1	82840	162080	1178
FDZG63-16				2.5×2						296					150350	324160	2286
FDZG80-10	80	10	6.35	2.5×2	115	163	137	22	20	200	14	64	91	M8×1	96250	282280	2496
FDZG80-10				2.5×3						260					136410	423430	3682
FDZG80-12	80	12	8	2.5×2	120	169	143	22	25	232	14	67	94	M8×1	131140	350280	2627
FDZG80-12				2.5×3						302					185850	525420	3874
FDZG80-16	80	16	9.525	2.5×2	125	190	154	28	25	302	18	70	96	M8×1	169480	422150	2784
FDZG80-16				2.5×3						398					240190	633220	4103

Einzelflanschmutter
Single flange nut

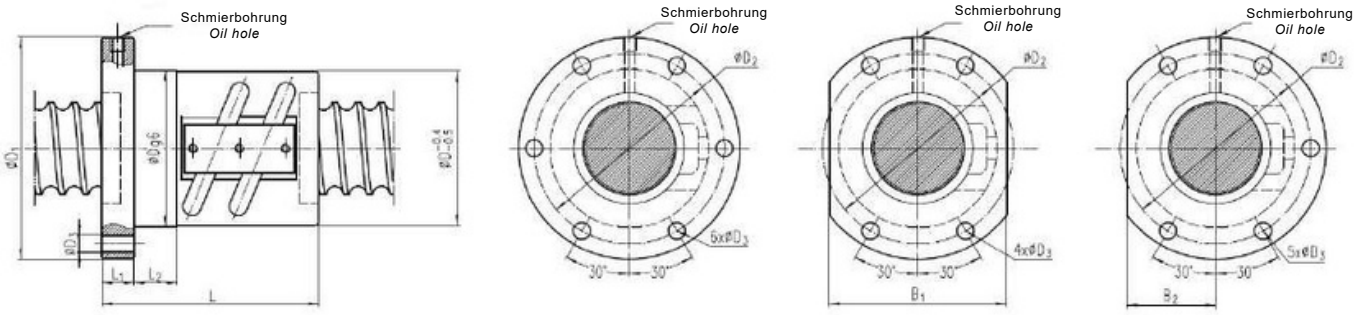
FEVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FEVG16-4	16	4	2.5	1.5×2	34	57	45	34	17	11	10	44	5.5	M6×1	7960	12160	201
FEVG16-4		4		2.5×1								41			6810	10130	168
FEVG16-4		4		3.5×1								42			9090	14190	233
FEVG16-5	16	5	3.175	1.5×2	40	63	51	42	21	11	15	45	5.5	M6×1	11650	16150	212
FEVG16-5		5		2.5×1								41			9960	13460	178
FEVG16-5		5		2.5×2								56			18080	26930	346
FEVG16-5		5		3.5×1								46			13300	18850	246
FEVG16-6	16	6	3.175	1.5×2	40	63	51	42	21	11	15	52	5.5	M6×1	11620	16120	213
FEVG16-6		6		2.5×1								44			9930	13430	179
FEVG16-6		6		3.5×1								52			13270	18810	247
FEVG16-10		10		2.5×1								56			9790	13290	178
FEVG20-4	20	4	2.5	1.5×2	40	64	51	42	21	11	15	44	5.5	M6×1	9000	15820	243
FEVG20-4		4		2.5×1								40			7690	13180	204
FEVG20-4		4		2.5×2								50			13970	26370	396
FEVG20-4		4		3.5×1								43			10280	18460	282
FEVG20-5	20	5	3.175	1.5×2	44	67	55	52	26	11	15	45	5.5	M6×1	13100	20520	253
FEVG20-5		5		2.5×1							10	42			11190	17100	212
FEVG20-5		5		2.5×2							15	56			20320	34210	412
FEVG20-5		5		3.5×1								46			14950	23940	293
FEVG20-6	20	6	3.969	1.5×2	48	71	59	54	27	11	15	56	5.5	M6×1	17420	25260	261
FEVG20-6		6		2.5×1								49			14890	21050	219
FEVG20-6		6		3.5×1								56			19890	29470	302
FEVG20-8	20	8	3.969	1.5×2	48	75	61	54	27	13	15	61	6.6	M6×1	17350	25180	263
FEVG20-8		8		2.5×1								54			14830	20980	221
FEVG20-8		8		3.5×1								62			19810	29370	305
FEVG25-4	25	4	2.5	1.5×2	46	69	57	52	26	11	15	44	5.5	M6×1	9770	19520	280
FEVG25-4		4		2.5×1								40			8350	16270	235
FEVG25-4		4		2.5×2								49			15160	32540	456
FEVG25-4		4		3.5×1								42			11150	22770	324
FEVG25-5	25	5	3.175	1.5×2	50	73	61	56	28	11	15	45	5.5	M6×1	14560	25980	299
FEVG25-5		5		2.5×1								41			12450	21650	251
FEVG25-5		5		2.5×2								56			22600	43300	487
FEVG25-5		5		3.5×1								46			16630	30310	346

Einzelflanschmutter
Single flange nut

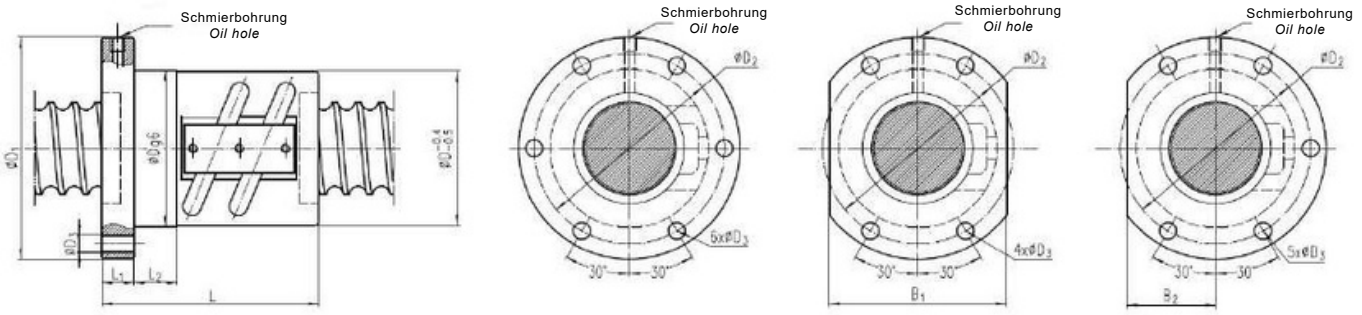
FEVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FEVG25-6	25	6	3.969	1.5×2	53	76	64	58	29	11	15	56	5.5	M6×1	19580	32080	310
FEVG25-6		6		2.5×1								49			16740	26730	260
FEVG25-6		6		2.5×2								62			30380	53470	506
FEVG25-6		6		3.5×1								56			22360	37430	360
FEVG25-8	25	8	4.762	1.5×2	58	85	71	64	32	13	15	61	6.6	M6×1	25030	38720	326
FEVG25-8		8		2.5×1								61			21390	32270	274
FEVG25-8		8		3.5×1								66			28570	45180	378
FEVG25-10	25	10	4.762	1.5×2	58	85	71	64	32	15	15	71	6.6	M6×1	24940	38620	328
FEVG25-10		10		2.5×1								65			21320	32188	276
FEVG25-10		10		3.5×1								75			28480	45060	380
FEVG25-12	25	12	3.969	2.5×1	53	76	64	64	32	11	15	60	5.5	M6×1	16560	26520	266
FEVG32-4	32	4	2.5	2.5×1	54	81	67	64	32	12	15	40	6.6	M6×1	9350	21370	280
FEVG32-4		4		2.5×2								50			16980	42740	546
FEVG32-5	32	5	3.175	1.5×2	58	85	71	64	32	12	15	47	6.6	M8×1	16230	33610	355
FEVG32-5		5		2.5×1								43			13880	28010	298
FEVG32-5		5		2.5×2								57			25190	56030	580
FEVG32-5		5		2.5×3								72			35700	84040	856
FEVG32-5		5		3.5×1								47			18540	39220	412
FEVG32-6	32	6	3.969	1.5×2	62	88	75	68	34	12	15	57	6.6	M8×1	22240	42280	377
FEVG32-6		6		2.5×1								45			19010	35230	317
FEVG32-6		6		2.5×2								63			34500	70470	616
FEVG32-6		6		3.5×1								57			25390	49330	438
FEVG32-8	32	8	4.762	1.5×2	66	98	82	76	38	15	15	64	9	M8×1	27740	48660	384
FEVG32-8		8		2.5×1								63			23710	40550	323
FEVG32-8		8		2.5×2								80			43040	81100	626
FEVG32-8		8		3.5×1								68			31670	56770	445
FEVG32-10	32	10	6.35	1.5×2	74	108	90	82	41	15	15	78	9	M8×1	40580	64630	405
FEVG32-10		10		2.5×1								68			34690	53860	340
FEVG32-10		10		2.5×2								97			62960	107720	661
FEVG32-10		10		3.5×1								78			46330	75410	470
FEVG32-12	32	12	6.35	1.5×2	74	108	90	82	41	18	15	88	9	M8×1	40470	64510	408
FEVG32-12		12		2.5×1								77			34600	53750	342
FEVG32-12		12		2.5×2								110			62800	107510	664
FEVG32-12		12		3.5×1								91			46210	75260	472

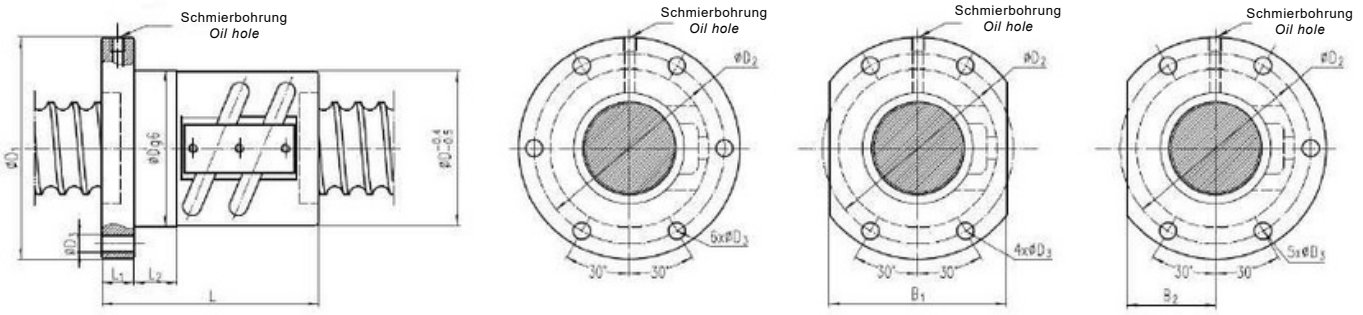
Einzelflanschmutter
Single flange nut

FEVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FEVG40-5	40	5	3.175	1.5×2	67	101	83	78	39	15	15	50	9	M8×1	17810	42340	412
FEVG40-5		5		2.5×1								48			15220	35280	346
FEVG40-5		5		2.5×2								60			27640	70570	673
FEVG40-5		5		2.5×3								75			39170	105850	994
FEVG40-5		5		3.5×1								50			20340	49400	478
FEVG40-6	40	6	3.969	1.5×2	70	104	86	80	40	15	15	60	9	M8×1	24270	52540	434
FEVG40-6		6		2.5×1								53			20740	43780	365
FEVG40-6		6		2.5×2								66			37660	87570	709
FEVG40-6		6		2.5×3								84			53370	131350	1047
FEVG40-6		6		3.5×1								60			27710	61290	504
FEVG40-8	40	8	4.762	1.5×2	74	108	90	82	41	15	15	64	9	M8×1	31360	63300	463
FEVG40-8		8		2.5×1								63			26810	52750	389
FEVG40-8		8		2.5×2								83			48660	105510	755
FEVG40-8		8		3.5×1								68			35800	73860	537
FEVG40-10	40	10	6.35	1.5×2	82	124	102	94	47	18	20	81	11	M8×1	45610	82100	482
FEVG40-10		10		2.5×1								71			38990	68420	405
FEVG40-10		10		2.5×2								103			70780	136840	787
FEVG40-10		10		3.5×1								81			52080	95790	559
FEVG40-12	40	12	6.35	2.5×1	86	128	106	96	48	18	20	77	11	M8×1	38930	68330	410
FEVG40-12		12		2.5×2								112			70660	136670	796
FEVG40-12		12		3.5×1								91			51990	95670	566
FEVG40-5	50	5	3.175	1.5×2	80	114	96	86	43	15	15	50	9	M8×1	19470	53240	476
FEVG40-5		5		1.5×3								60			27600	79860	703
FEVG40-5		5		2.5×2								60			30210	88740	778
FEVG40-5		5		3.5×1								50			22230	62110	552
FEVG50-6	50	6	3.969	1.5×2	84	118	100	90	45	15	15	60	9	M8×1	26620	66170	506
FEVG50-6		6		2.5×2								67			41310	110280	827
FEVG50-6		6		2.5×3								85			58550	165430	1220
FEVG50-6		6		3.5×1								60			30400	77200	587

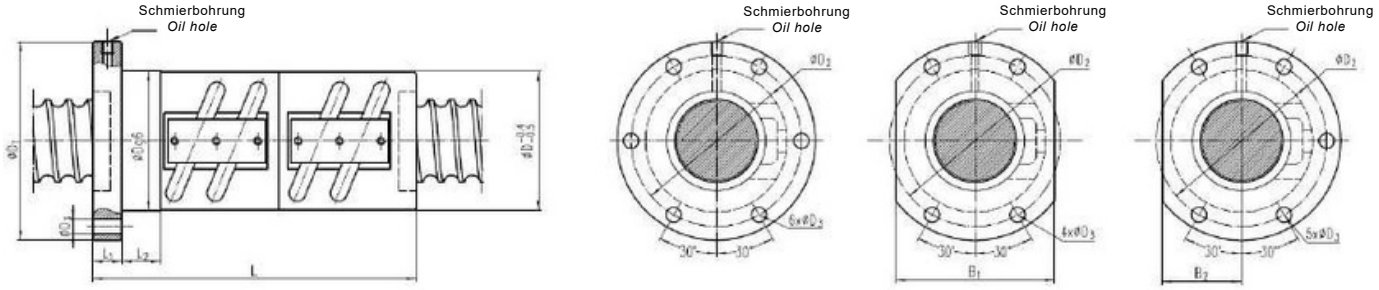
Einzelflanschmutter
Single flange nut



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FEVG50-8	50	8	4.762	1.5×2	87	128	107	98	49	18	20	68	11	M8×1	34030	78090	533
FEVG50-8		8		2.5×2								86			52800	130160	870
FEVG50-8		8		2.5×3								109			74840	195240	1284
FEVG50-8		8		3.5×1								71			38850	91110	618
FEVG50-10	50	10	6.35	1.5×2	93	135	113	102	51	18	20	81	11	M8×1	50720	103930	569
FEVG50-10		10		2.5×1								71			43360	86610	478
FEVG50-10		10		2.5×2								101			78710	173220	929
FEVG50-10		10		2.5×3								131			111550	259830	1369
FEVG50-10		10		3.5×1								81			57910	121250	660
FEVG50-12	50	12	7.144	2.5×1	100	146	122	110	55	22	20	88	14	M8×1	50380	95830	489
FEVG50-12		12		2.5×2								116			91450	191670	949
FEVG63-10	63	10	6.35	2.5×1	108	154	130	116	58	22	20	75	14	M8×1	48520	111990	569
FEVG63-10		10		2.5×2								105			88070	223990	1107
FEVG63-10		10		2.5×3								135			124810	335990	1633
FEVG63-12	63	12	8	2.5×1	115	161	137	122	61	22	20	88	14	M8×1	64710	135420	586
FEVG63-12		12		2.5×2								124			117450	270840	1139
FEVG63-12		12		2.5×3								160			166460	406260	1679
FEVG80-10	80	10	6.35	2.5×2	130	176	152	132	66	22	20	105	14	M8×1	96250	282280	1286
FEVG80-10		10		2.5×3								134			136410	423430	1898
FEVG80-12		12	8	2.5×2	136	182	158	136	68	22	20	124			131140	350280	1356
FEVG80-12		12		2.5×3								160			185850	525420	2001
FEVG80-16		16	9.525	2.5×2	143	204	172	154	77	28	30	160	18	M8×1	169480	422150	1444
FEVG80-16		16		2.5×3								208			240190	633220	2129

Doppel-Flanschmutter
Double flange nut

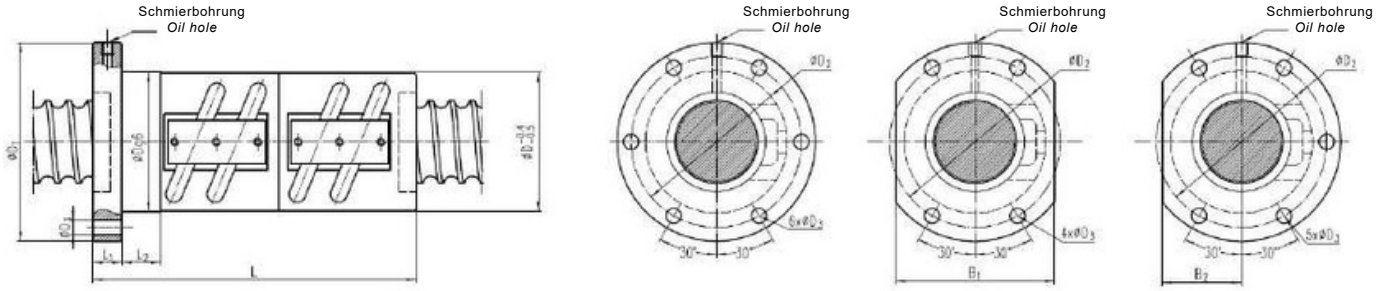
FDVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FDVG16-4	16	4	2.5	1.5×2	34	57	45	34	17	11	15	81	5.5	M6×1	7967	12460	390
FDVG16-4		4		2.5×1								70			6810	10137	328
FDVG16-4		4		3.5×1								78			9096	14190	452
FDVG16-5	16	5	3.175	1.5×2	40	63	51	40	20	11	15	90	5.5	M6×1	11650	16150	410
FDVG16-5		5		2.5×1								77			9962	13460	345
FDVG16-5		5		2.5×2								105			18080	26930	346
FDVG16-5		5		3.5×1								88			13300	18850	476
FDVG16-5	16	6	3.175	1.5×2	40	63	51	40	20	11	15	90	5.5	M6×1	11620	16120	411
FDVG16-5		6		2.5×1								80			9930	13430	345
FDVG16-5		6		3.5×1								90			13270	18810	477
FDVG20-4	20	4	2.5	1.5×2	40	63	51	48	24	11	15	83	5.5	M6×1	9000	15820	476
FDVG20-4		4		2.5×1								67			7699	13180	399
FDVG20-4		4		2.5×2								89			13970	26370	396
FDVG20-4		4		3.5×1								75			10280	18460	550
FDVG20-5	20	5	3.175	1.5×2	44	67	55	52	26	11	15	99	5.5	M6×1	13100	20520	491
FDVG20-5		5		2.5×1								76			11190	17100	413
FDVG20-5		5		2.5×2								105			20320	34210	801
FDVG20-5		5		3.5×1								80			14950	23940	569
FDVG20-6	20	6	3.969	1.5×2	48	71	59	54	27	11	15	98	5.5	M6×1	17420	25260	505
FDVG20-6		6		2.5×1								82			14890	21050	424
FDVG20-6		6		3.5×1								93			19890	29470	585
FDVG20-8	20	8	3.969	1.5×2	48	75	61	56	28	13	15	108	6.6	M6×1	17350	25180	507
FDVG20-8		8		2.5×1								102			14830	20980	426
FDVG20-8		8		3.5×1								110			19810	29370	587
FDVG25-4	25	4	2.5	1.5×2	46	69	57	52	26	11	15	83	5.5	M6×1	9773	19520	551
FDVG25-4		4		2.5×1								67			8355	16270	463
FDVG25-4		4		2.5×2								91			15160	32540	899
FDVG25-4		4		3.5×1								75			11150	22770	324
FDVG25-5	25	5	3.175	1.5×2	50	73	61	56	28	11	15	80	5.5	M6×1	14560	25980	584
FDVG25-5		5		2.5×1								77			12450	21650	491
FDVG25-5		5		2.5×2								105			22600	43300	953
FDVG25-5		5		3.5×1								86			16630	30310	677

Doppel-Flanschmutter
Double flange nut

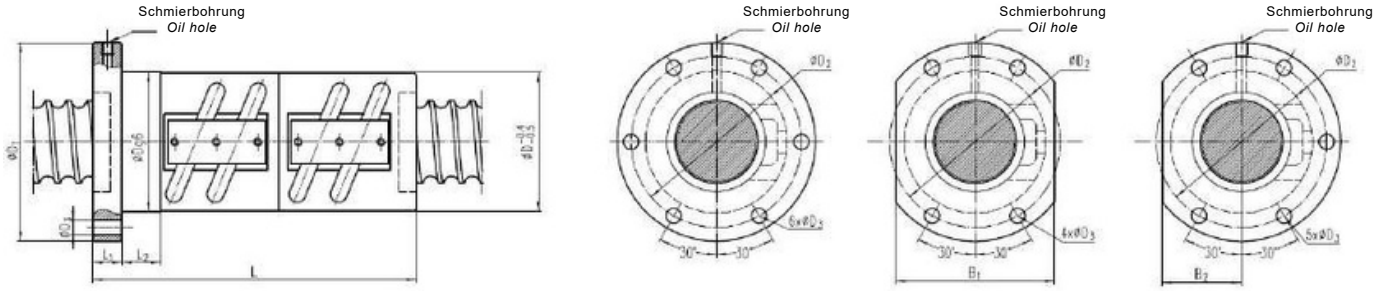
FDVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FDVG25-6	25	6	3.969	1.5×2	53	76	64	58	29	11	15	91	5.5	M6×1	19580	32080	604
FDVG25-6		6		2.5×1								82			16740	26730	507
FDVG25-6		6		2.5×2								116			30380	53470	984
FDVG25-6		6		3.5×1								93			22360	37430	700
FDVG25-8	25	8	4.762	1.5×2	58	85	71	64	32	13	15	111	6.6	M6×1	25030	38720	631
FDVG25-8		8		2.5×1								95			21390	32270	530
FDVG25-8		8		3.5×1								111			28570	45180	731
FDVG25-10	25	10	4.762	1.5×2	58	85	71	64	32	15	15	134	6.6	M6×1	24940	38620	632
FDVG25-10		10		2.5×1								117			21320	32180	531
FDVG25-10		10		3.5×1								138			28480	45060	733
FDVG32-4	32	4	2.5	2.5×1	54	81	67	64	32	12	15	68	6.6	M6×1	9359	21370	560
FDVG32-4		4		2.5×2								90			16980	42740	1087
FDVG32-5	32	5	3.175	1.5×2	58	85	71	64	32	12	15	82	6.6	M8×1	16230	33610	702
FDVG32-5		5		2.5×1								78			13880	28010	589
FDVG32-5		5		2.5×2								105			25190	56030	1145
FDVG32-5		5		2.5×3								136			35700	84040	1680
FDVG32-5		5		3.5×1								82			18540	39220	814
FDVG32-6	32	6	3.969	1.5×2	62	88	75	68	34	12	15	100	6.6	M8×1	22240	42280	740
FDVG32-6		6		2.5×1								87			19010	35230	622
FDVG32-6		6		2.5×2								123			34500	70470	1207
FDVG32-6		6		3.5×1								100			25390	49330	858
FDVG32-8	32	8	4.762	1.5×2	66	98	82	76	38	15	15	113	9	M8×1	27740	48660	747
FDVG32-8		8		2.5×1								106			23710	40550	627
FDVG32-8		8		2.5×2								152			43040	81100	1217
FDVG32-8		8		3.5×1								113			31670	56770	865
FDVG32-10	32	10	6.35	1.5×2	74	108	90	82	41	15	15	138	9	M8×1	40580	64630	784
FDVG32-10		10		2.5×1								118			34690	53860	659
FDVG32-10		10		2.5×2								177			62960	107720	1277
FDVG32-10		10		3.5×1								148			46330	75410	908

Doppel-Flanschmutter
Double flange nut

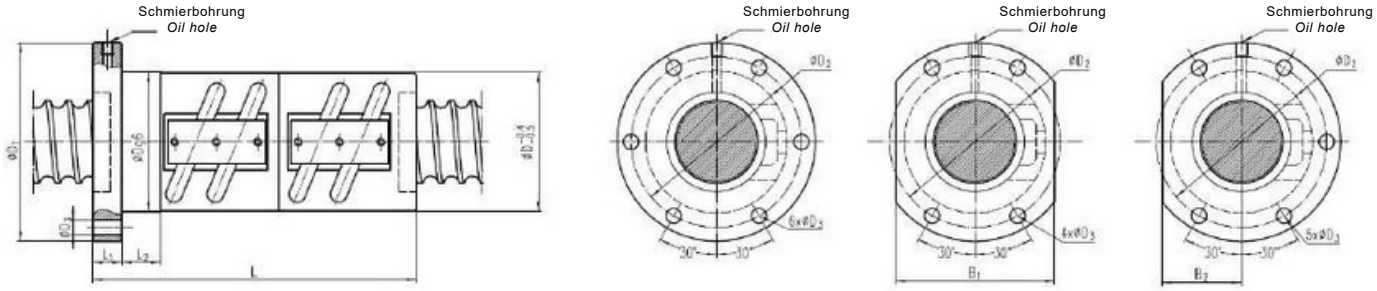
FDVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FDVG32-12	32	12	6.35	1.5×2	74	108	90	82	41	18	15	160	9	M8×1	40470	64510	786
FDVG32-12		12		2.5×1								137			34600	53750	660
FDVG32-12		12		2.5×2								208			62800	107510	1280
FDVG32-12		12		3.5×1								160			46210	75260	910
FDVG40-5	40	5	3.175	1.5×2	67	101	83	78	39	15	15	88	9	M8×1	17810	42340	822
FDVG40-5		5		2.5×1								84			15220	35280	690
FDVG40-5		5		2.5×2								108			27640	70570	1341
FDVG40-5		5		2.5×3								139			39170	105850	1978
FDVG40-5		5		3.5×1								88			20340	49400	953
FDVG40-6	40	6	3.969	1.5×2	70	104	86	80	40	15	15	103	9	M8×1	24270	52540	860
FDVG40-6		6		2.5×1								90			20740	43780	722
FDVG40-6		6		2.5×2								123			37660	87570	1403
FDVG40-6		6		2.5×3								159			53370	131350	2068
FDVG40-6		6		3.5×1								103			27710	61290	997
FDVG40-8	40	8	4.762	1.5×2	74	108	90	82	41	15	15	124	9	M8×1	31360	63300	907
FDVG40-8		8		2.5×1								108			26810	52750	762
FDVG40-8		8		2.5×2								152			48660	105510	1478
FDVG40-8		8		3.5×1								125			35800	73860	1051
FDVG40-10	40	10	6.35	1.5×2	82	124	102	94	47	18	20	141	11	M8×1	45610	82100	938
FDVG40-10		10		2.5×1								131			38990	68420	788
FDVG40-10		10		2.5×2								180			70780	136840	1529
FDVG40-10		10		3.5×1								151			52080	95790	1087
FDVG40-12	40	12	6.35	2.5×1	86	128	106	96	48	18	20	137	11	M8×1	38930	68330	794
FDVG40-12		12		2.5×2								208			70660	136670	1539
FDVG40-12		12		3.5×1								161			51990	95670	1095
FDVG50-5	50	5	3.175	1.5×2	80	114	96	86	43	15	15	108	9	M8×1	19470	53240	960
FDVG50-5				1.5×3								128			27600	79860	1416
FDVG50-5				2.5×2								113			30210	88740	1566
FDVG50-5				3.5×1								108			22230	62110	1112

Doppel-Flanschmutter
Double flange nut

FDVG



Index	Spindel *Ball screw*		Kugel- ø *Ball- ø*	Kugelumläufe *Cycle number x column*	D	Flansch *Flange*					L2	L	D3	Ölbohrung *Oil hole*	Nennlast *nominal load* (N)		Steifigkeit *Rigidity* K N/um
	Nenn- ø *Nominal- ø*	Steigung *Lead*				D1	D2	B1	B2	L1					C_{dyn}	C_{stat}	
FDVG50-6	50	6	3.969	1.5×2	84	118	100	90	45	15	15	111	9	M8×1	26620	66170	1011
FDVG50-6				2.5×2								123			41310	110280	1649
FDVG50-6				2.5×3								159			58550	165430	2431
FDVG50-6				3.5×1								107			30400	77200	1171
FDVG50-8	50	8	4.762	1.5×2	87	128	107	98	49	18	20	127	11	M8×1	34030	78090	1050
FDVG50-8				2.5×2								156			52800	130160	1715
FDVG50-8				2.5×3								208			74840	195240	2527
FDVG50-8				3.5×1								127			38850	91110	1219
FDVG50-10	50	10	6.35	1.5×2	93	135	113	102	51	18	20	151	11	M8×1	50720	103930	1114
FDVG50-10				2.5×1								132			43360	86610	936
FDVG50-10				2.5×2								180			78710	173220	1817
FDVG50-10				2.5×3								243			111550	259830	2677
FDVG50-10				3.5×1								151			57910	121250	1292
FDVG50-12	50	12	7.144	2.5×1	100	146	122	110	55	18	20	140	14	M8×1	50380	95830	951
FDVG50-12				2.5×2								210			91450	191670	1845
FDVG63-10	63	10	6.35	2.5×1	108	154	130	116	58	22	20	136	14	M8×1	48520	111990	1125
FDVG63-10				2.5×2								189			88070	223990	2185
FDVG63-10				2.5×3								249			124810	335990	3220
FDVG63-12		12	8	2.5×1	115	161	137	122	61	22	20	144	14	M8×1	64710	135420	1140
FDVG63-12				2.5×2								214			117450	270840	2231
FDVG63-16		16	9.525	2.5×1	122	178	150	138	69	28	20	200	18	M8×1	82840	162080	1198
FDVG63-16				2.5×2								296			150350	324160	2324
FDVG80-10	80	10	6.35	2.5×2	130	176	152	132	66	22	20	189	14	M8×1	96250	282280	2562
FDVG80-10				2.5×3								249			136410	423430	3778
FDVG80-12		12	8	2.5×2	136	182	158	136	68	22	20	220	14	M8×1	131140	350280	2681
FDVG80-12				2.5×3								292			185850	525420	3952
FDVG80-16		16	9.525	2.5×2	143	204	172	154	77	28	30	290	18	M8×1	169480	422150	2825
FDVG80-16				2.5×3								386			240190	633220	4163