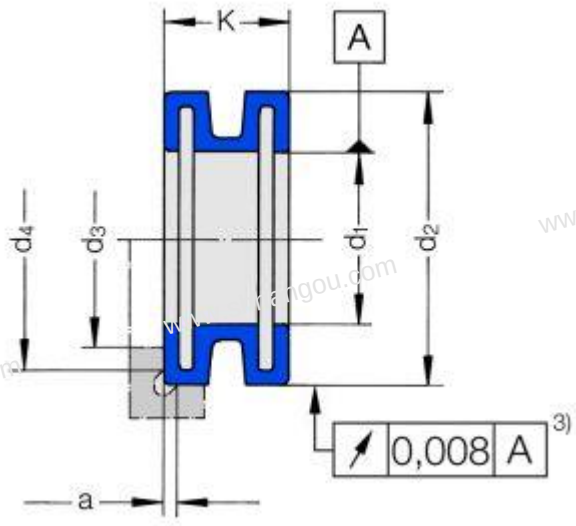
Clamping Sleeves Type AK



Designation of a clamping sleeve with initiation of clamping force from the bore with d1 = 28mm, d2 = 40mm and K = 16mm:

Clamping sleeve AK 28·40

Subject to changes.

Special versions:

On request, by sending of an explanatory sketch.

CAD	Code	Dimensions [mm]			Clamping force initiation		Transmittable Forces		connecting components [mm]				
	AK	d1	d2	K	F *) [N]	C **) [mm]	M [Nm]	Fa [N]	d3 max.	d4 min.	d5 min.	d6 max.	a max.
	8·12	8	12	12	10000	0,3	7	1750	9	10,8	11	9,2	1,5
	10·15	10	15	12	11000	0,4	11	2200	11	13,8	14	11,2	1,5
	12·18	12	18	12	11800	0,4	18	2950	13	16,8	17	13,2	1,5
	14·20	14	20	12	13400	0,5	25	3620	15	18,8	19	15,2	1,5
	15·22	15	22	12	13700	0,5	29	3840	16	20,8	21	16,2	1,5
	16·22	16	22	12	14900	0,5	35	4320	17	20,8	21	17,2	1,5
	18·25	18	25	12	15900	0,6	44	4930	19	23,8	24	19,2	1,5
	20·32	20	32	16	20600	0,6	82	8240	24	30,0	28	22,0	1,7
	22·35	22	35	16	21700	0,6	95	8680	27	33,0	30	24,0	1,7
	25·37	25	37	16	24500	0,7	128	10290	29	35,0	33	27,0	1,7
	28·40	28	40	16	26900	0,7	162	11570	32	38,0	36	30,0	1,7
	30·42	30	42	16	28300	0,7	187	12450	34	40,0	38	32,0	1,7
	32·48	32	48	21	32400	0,8	259	16200	40	46,0	40	34,0	2,2

	35·52	35	52	21	34400	0,8	307	17540	43	50,0	44	37,0	2,2
	40·56	40	56	21	38900	0,8	404	20230	48	54,0	49	42,0	2,2

CAD	Code	Dimensions [mm]			Clamping force initiation		Transmittable Forces		connecting components [mm]				
	AK	d1	d2	K	F *) [N]	C **) [mm]	M [Nm]	Fa [N]	d3 max.	d4 min.	d5 min.	d6 max.	a max.
	45·68	45	68	26	44700	0,8	553	24590	58	65,0	55	48,0	3,0
	50·72	50	72	26	49400	0,8	679	27170	62	69,0	60	53,0	3,0
	55·80	55	80	31	59000	1,0	908	33040	70	77,0	65	58,0	3,0
	60·85	60	85	31	63300	1,0	1082	36080	75	82,0	70	63,0	3,0
	63·88	63	88	31	66000	1,0	1205	38280	78	85,0	73	66,0	3,0
	65·90	65	90	31	67700	1,0	1298	39940	80	87,0	75	68,0	3,0
	70·100	70	100	38	78800	1,0	1682	48070	88	96,0	82	74,0	4,0
	75·105	75	105	38	83400	1,0	1907	50870	93	101,0	87	79,0	4,0
	80·110	80	110	38	88100	1,1	2185	54620	98	106,0	92	84,0	4,0
	85·115	85	115	38	92700	1,1	2442	57470	103	111,0	97	89,0	4,0
	90·120	90	120	38	97200	1,1	2799	62200	108	116,0	102	94,0	4,0
	95·125	95	125	38	101800	1,2	3139	66100	113	121,0	107	99,0	4,0
	100·130	100	130	38	106500	1,3	3460	69200	118	126,0	112	104,0	4,0
	110·140	110	140	38	115700	1,4	4136	75200	128	136,0	122	114,0	4,0
	120·150	120	150	38	125000	1,4	4950	82500	138	146,0	132	124,0	4,0

CAD	Code	Dimensions [mm]			Clamping force initiation		Transmittable Forces		connecting components [mm]				
	AK	d1	d2	K	F *) [N]	C **) [mm]	M [Nm]	Fa [N]	d3 max.	d4 min.	d5 min.	d6 max.	a max.
	125·155	125	155	38	129600	1,4	5343	85500	143	151,0	137	129,0	4,0
	130·160	130	160	38	134300	1,5	5759	88600	148	156,0	142	134,0	4,0
	140·170	140	170	38	143500	1,5	6727	96100	158	166,0	152	144,0	4,0
	150·180	150	180	38	152800	1,5	7672	102300	168	176,0	162	154,0	4,0

*) Max. perm. clamping force. For automated operation, the clamping sleeve should be clamped with max. 0.75xF.

**) Design specificaton, not to be confused with actuation travel. For explanations, note Transmittable forces.

3) d2 > 80mm = Concenricity to IT4