

Indexing plungers

Steel / Stainless Steel, with and without rest position

SPECIFICATION

Types

- Type **A**: with lifting ring, without lock nut
- Type **AK**: with lifting ring, with lock nut
- Type **B**: without rest position (Knob), without lock nut
- Type **BK**: without rest position (Knob), with lock nut
- Type **C**: with rest position (Knob), without lock nut
- Type **CK**: with rest position (Knob), with lock nut
- Type **D**: with wire loop, without lock nut
- Type **DK**: with wire loop, with lock nut

Threaded body

- Version in Steel zinc plated, blue passivated **ST**
- Version in Stainless Steel AISI 303 **NI**

Plunger

Stainless Steel AISI 303

Spring

Stainless Steel AISI 301

Lifting ring / Wire loop

Stainless Steel AISI 301

Knob Plastic (Polyamide PA)

- black, matt
- not removable



INFORMATION

GN 717 Indexing plungers are characterized by small dimensions. These indexing plungers are universally applicable due to their prevention of misalignments and positioning errors of the mating indexing bores.

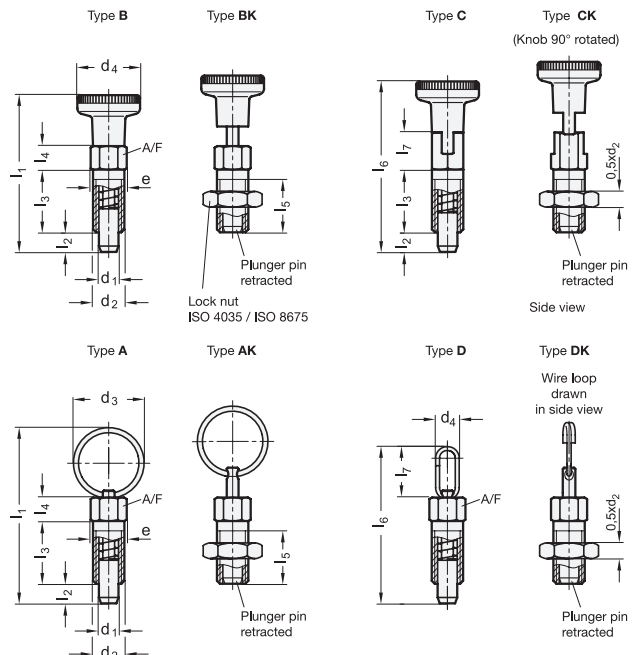
The type C / CK with rest position are used for such applications where the plunger has to stay in its retracted position.

During assembly, the max. tightening torques shown in the table should not be exceeded when securing the lock nut.

- Range of indexing plungers (see page 738)

TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel characteristics (see page A26)



*Complete with Material of the Indexing plungers (ST or NI)

ST
Steel

NI
Stainless Steel

GN 717

Description	d1 Bore +0.03/+0.08 Plunger 0.05	d2	d3	d4	e	l1	l2	l3	l4	l5 min.	l6	l7	A/F	Max. tightening torque in Nm	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 717-3-M6-A-*	3	M 6	14	-	6.9	-	3.5	12	4.5	10	-	-	6	2	3	12	5
GN 717-3-M6x0,75-A-*	3	M 6 x 0,75	14	-	6.9	-	3.5	12	4.5	10	-	-	6	3	3	12	5
GN 717-4-M6-A-*	4	M 6	14	-	6.9	-	4	12	4.5	10	-	-	6	2	3	12	5
GN 717-4-M8x1-A-*	4	M 8 x 1	14	-	9.2	-	4.5	16	6	13.5	-	-	8	8	5	24	10
GN 717-5-M8-A-*	5	M 8	18	-	9.2	-	5	16	6	13.5	-	-	8	7	5	24	9
GN 717-5-M8x1-A-*	5	M 8 x 1	18	-	9.2	-	5	16	6	13.5	-	-	8	7	5	24	14
GN 717-5-M10x1-A-*	5	M 10 x 1	18	-	11.5	-	5	16	6	13.5	-	-	10	22	5	24	14
GN 717-6-M10-A-*	6	M 10	24	-	11.5	-	6	20	7.5	17	-	-	10	15	5	21	18
GN 717-6-M12x1,5-A-*	6	M 12 x 1,5	24	-	13.8	-	6	20	7.5	16.5	-	-	12	38	5	21	24
GN 717-8-M12-A-*	8	M 12	30	-	13.8	-	8	24	9	20.5	-	-	12	20	6	22	31
GN 717-8-M12x1,5-A-*	8	M 12 x 1,5	30	-	13.8	-	8	24	9	20.5	-	-	12	20	6	22	33
GN 717-8-M16x1,5-A-*	8	M 16 x 1,5	30	-	19.6	-	8	24	9	20.5	-	-	17	80	6	22	55
GN 717-10-M16x1,5-A-*	10	M 16 x 1,5	30	-	19.6	-	10	26	9	22.5	-	-	17	80	4	25	56
GN 717-3-M6-AK-*	3	M 6	14	-	6.9	-	3.5	12	4.5	10	-	-	6	2	3	12	3
GN 717-3-M6x0,75-AK-*	3	M 6 x 0,75	14	-	6.9	-	3.5	12	4.5	10	-	-	6	3	3	12	6
GN 717-4-M6-AK-*	4	M 6	14	-	6.9	-	4	12	4.5	10	-	-	6	2	3	12	6
GN 717-4-M8x1-AK-*	4	M 8 x 1	18	-	9.2	-	4.5	16	6	13.5	-	-	8	8	5	24	12
GN 717-5-M8-AK-*	5	M 8	18	-	9.2	-	5	16	6	13.5	-	-	8	7	5	24	12
GN 717-5-M8x1-AK-*	5	M 8 x 1	18	-	9.2	-	5	16	6	13.5	-	-	8	7	5	24	14
GN 717-5-M10x1-AK-*	5	M 10 x 1	18	-	11.5	-	5	16	6	13.5	-	-	10	22	5	24	19
GN 717-6-M10-AK-*	6	M 10	24	-	11.5	-	6	20	7.5	17	-	-	10	15	5	21	23
GN 717-6-M12x1,5-AK-*	6	M 12 x 1,5	24	-	13.8	-	6	20	7.5	16.5	-	-	12	38	5	21	31
GN 717-8-M12-AK-*	8	M 12	30	-	13.8	-	8	24	9	20.5	-	-	12	20	6	22	39
GN 717-8-M12x1,5-AK-*	8	M 12 x 1,5	30	-	13.8	-	8	24	9	20.5	-	-	12	20	6	22	40
GN 717-8-M16x1,5-AK-*	8	M 16 x 1,5	30	-	19.6	-	8	24	9	20.5	-	-	17	80	6	22	71
GN 717-10-M16x1,5-AK-*	10	M 16 x 1,5	30	-	19.6	-	10	26	9	22.5	-	-	17	80	4	25	81
GN 717-3-M6-B-*	3	M 6	-	12	6.9	30	3.5	12	4.5	10	-	-	6	2	3	12	4
GN 717-3-M6x0,75-B-*	3	M 6 x 0,75	-	12	6.9	30	3.5	12	4.5	10	-	-	6	3	3	12	5
GN 717-4-M6-B-*	4	M 6	-	12	6.9	30,5	4	12	4.5	10	-	-	6	2	3	12	5
GN 717-4-M8x1-B-*	4	M 8 x 1	-	16	9.2	39,5	4,5	16	6	13.5	-	-	8	8	5	24	10
GN 717-5-M8-B-*	5	M 8	-	16	9.2	40	5	16	6	13.5	-	-	8	7	5	24	10
GN 717-5-M8x1-B-*	5	M 8 x 1	-	16	9.2	40	5	16	6	13.5	-	-	8	7	5	24	10
GN 717-5-M10x1-B-*	5	M 10 x 1	-	18	11,5	42,5	5	16	6	13.5	-	-	10	22	5	24	15
GN 717-6-M10-B-*	6	M 10	-	18	11,5	49	6	20	7,5	17	-	-	10	15	5	21	19
GN 717-6-M12x1,5-B-*	6	M 12 x 1,5	-	21	13,8	52	6	20	7,5	16,5	-	-	12	38	5	21	27
GN 717-8-M12-B-*	8	M 12	-	21	13,8	59	8	24	9	20,5	-	-	12	20	6	22	32
GN 717-8-M12x1,5-B-*	8	M 12 x 1,5	-	21	13,8	59	8	24	9	20,5	-	-	12	20	6	22	33
GN 717-8-M16x1,5-B-*	8	M 16 x 1,5	-	25	19,6	63,5	8	24	9	20,5	-	-	17	80	6	22	55
GN 717-10-M16x1,5-B-*	10	M 16 x 1,5	-	25	19,6	67,5	10	26	9	22,5	-	-	17	80	4	25	19
GN 717-3-M6-BK-*	3	M 6	-	12	6.9	30	3.5	12	4.5	10	-	-	6	2	3	12	6
GN 717-3-M6x0,75-BK-*	3	M 6 x 0,75	-	12	6.9	30	3.5	12	4.5	10	-	-	6	3	3	12	6
GN 717-4-M6-BK-*	4	M 6	-	12	6.9	30,5	4	12	4.5	10	-	-	6	2	3	12	6
GN 717-4-M8x1-BK-*	4	M 8 x 1	-	16	9.2	39,5	4,5	16	6	13.5	-	-	8	8	5	24	13
GN 717-5-M8-BK-*	5	M 8	-	16	9.2	40	5	16	6	13.5	-	-	8	7	5	24	13
GN 717-5-M8x1-BK-*	5	M 8 x 1	-	16	9.2	40	5	16	6	13.5	-	-	8	7	5	24	13
GN 717-5-M10x1-BK-*	5	M 10 x 1	-	18	11,5	42,5	5	16	6	13.5	-	-	10	22	5	24	21
GN 717-6-M10-BK-*	6	M 10	-	18	11,5	49	6	20	7,5	17	-	-	10	15	5	21	24
GN 717-6-M12x1,5-BK-*	6	M 12 x 1,5	-	21	13,8	52	6	20	7,5	16,5	-	-	12	38	5	21	36
GN 717-8-M12-BK-*	8	M 12	-	21	13,8	59	8	24	9	20,5	-	-	12	20	6	22	41
GN 717-8-M12x1,5-BK-*	8	M 12 x 1,5	-	21	13,8	59	8	24	9	20,5	-	-	12	20	6	22	44
GN 717-8-M16x1,5-BK-*	8	M 16 x 1,5	-	25	19,6	63,5	8	24	9	20,5	-	-	17	80	6	22	71
GN 717-10-M16x1,5-BK-*	10	M 16 x 1,5	-	25	19,6	67,5	10	26	9	22,5	-	-	17	80	4	25	67

Weight ST




* Complete with Material of the Indexing plungers (ST or NI)

ST
Steel

NI
Stainless Steel

GN 717

Description	d1 Bore +0.03/+0.08 Plunger 0.05	d2	d3	d4	e	l1	l2	l3	l4	l5 min.	l6	l7	A/F	Max. tightening torque in Nm	Spring load in N ≈ initial	Spring load in N ≈ end	
GN 717-3-M6-C-*	3	M 6	-	12	6.9	-	3.5	12	-	10	32.5	7	6	2	3	12	5
GN 717-3-M6x0,75-C-*	3	M 6 x 0.75	-	12	6.9	-	3.5	12	-	10	32.5	7	6	3	3	12	6
GN 717-4-M6-C-*	4	M 6	-	12	6.9	-	4	12	-	10	33	7	6	2	3	12	5
GN 717-4-M8x1-C-*	4	M 8 x 1	-	16	9.2	-	4.5	16	-	13.5	43	9.5	8	8	5	24	11
GN 717-5-M8-C-*	5	M 8	-	16	9.2	-	5	16	-	13.5	43.5	9.5	8	7	5	24	11
GN 717-5-M8x1-C-*	5	M 8 x 1	-	16	9.2	-	5	16	-	13.5	43.5	9.5	8	7	5	24	11
GN 717-5-M10x1-C-*	5	M 10 x 1	-	18	11.5	-	5	16	-	13.5	46	9.5	10	22	5	24	17
GN 717-6-M10-C-*	6	M 10	-	18	11.5	-	6	20	-	17	52	10.5	10	15	5	21	19
GN 717-6-M12x1,5-C-*	6	M 12 x 1.5	-	21	13.8	-	6	20	-	16.5	55	10.5	12	38	5	21	28
GN 717-8-M12-C-*	8	M 12	-	21	13.8	-	8	24	-	20.5	63.5	13.5	12	20	6	22	33
GN 717-8-M12x1,5-C-*	8	M 12 x 1.5	-	21	13.8	-	8	24	-	20.5	63.5	13.5	12	20	6	22	34
GN 717-8-M16x1,5-C-*	8	M 16 x 1.5	-	25	19.6	-	8	24	-	20.5	68	13.5	17	80	6	22	60
GN 717-10-M16x1,5-C-*	10	M 16 x 1.5	-	25	19.6	-	10	26	-	22.5	72.5	14	17	80	4	25	66
GN 717-3-M6-CK-*	3	M 6	-	12	6.9	-	3.5	12	-	10	32.5	7	6	2	3	12	7
GN 717-3-M6x0,75-CK-*	3	M 6 x 0.75	-	12	6.9	-	3.5	12	-	10	32.5	7	6	3	3	12	7
GN 717-4-M6-CK-*	4	M 6	-	12	6.9	-	4	12	-	10	33	7	6	2	3	12	6
GN 717-4-M8x1-CK-*	4	M 8 x 1	-	16	9.2	-	4.5	16	-	13.5	43	9.5	8	8	5	24	13
GN 717-5-M8-CK-*	5	M 8	-	16	9.2	-	5	16	-	13.5	43.5	9.5	8	7	5	24	14
GN 717-5-M8x1-CK-*	5	M 8 x 1	-	16	9.2	-	5	16	-	13.5	43.5	9.5	8	7	5	24	14
GN 717-5-M10x1-CK-*	5	M 10 x 1	-	18	11.5	-	5	16	-	13.5	46	9.5	10	22	5	24	20
GN 717-6-M10-CK-*	6	M 10	-	18	11.5	-	6	20	-	17	52	10.5	10	15	5	21	24
GN 717-6-M12x1,5-CK-*	6	M 12 x 1.5	-	21	13.8	-	6	20	-	16.5	55	10.5	12	38	5	21	36
GN 717-8-M12-CK-*	8	M 12	-	21	13.8	-	8	24	-	20.5	63.5	13.5	12	20	6	22	57
GN 717-8-M12x1,5-CK-*	8	M 12 x 1.5	-	21	13.8	-	8	24	-	20.5	63.5	13.5	12	20	6	22	23
GN 717-8-M16x1,5-CK-*	8	M 16 x 1.5	-	25	19.6	-	8	24	-	20.5	68	13.5	17	80	6	22	81
GN 717-10-M16x1,5-CK-*	10	M 16 x 1.5	-	25	19.6	-	10	26	-	22.5	72.5	14	17	80	4	25	84
GN 717-3-M6-D-*	3	M 6	-	6	6.9	-	3.5	12	-	10	32.9	12.9	6	2	3	12	5
GN 717-3-M6x0,75-D-*	3	M 6 x 0.75	-	6	6.9	-	3.5	12	-	10	32.9	12.9	6	3	3	12	6
GN 717-4-M6-D-*	4	M 6	-	6	6.9	-	4	12	-	10	33.4	12.9	6	2	3	12	5
GN 717-4-M8x1-D-*	4	M 8 x 1	-	6	9.2	-	4.5	16	-	13.5	42	15.5	8	8	5	24	11
GN 717-5-M8-D-*	5	M 8	-	7.2	9.2	-	5	16	-	13.5	42.5	15.5	8	7	5	24	11
GN 717-5-M8x1-D-*	5	M 8 x 1	-	7.2	9.2	-	5	16	-	13.5	42.5	15.5	8	7	5	24	11
GN 717-5-M10x1-D-*	5	M 10 x 1	-	7.2	11.5	-	5	16	-	13.5	42.5	15.5	10	22	5	24	17
GN 717-6-M10-D-*	6	M 10	-	9.5	11.5	-	6	20	-	17	54.4	15.5	10	15	5	21	19
GN 717-6-M12x1,5-D-*	6	M 12 x 1.5	-	9.5	13.8	-	6	20	-	16.5	54.4	20.9	12	38	5	21	28
GN 717-8-M12-D-*	8	M 12	-	11.8	13.8	-	8	24	-	20.5	66.9	20.9	12	20	6	22	33
GN 717-8-M12x1,5-D-*	8	M 12 x 1.5	-	11.8	13.8	-	8	24	-	20.5	66.9	20.9	12	20	6	22	33
GN 717-8-M16x1,5-D-*	8	M 16 x 1.5	-	11.8	19.6	-	8	24	-	20.5	66.9	25.9	17	80	6	22	52
GN 717-10-M16x1,5-D-*	10	M 16 x 1.5	-	11.8	19.6	-	10	26	-	22.5	70.9	25.9	17	80	4	25	66
GN 717-3-M6-DK-*	3	M 6	-	6	6.9	-	3.5	12	-	10	32.9	12.9	6	2	3	12	7
GN 717-3-M6x0,75-DK-*	3	M 6 x 0.75	-	6	6.9	-	3.5	12	-	10	32.9	12.9	6	3	3	12	7
GN 717-4-M6-DK-*	4	M 6	-	6	6.9	-	4	12	-	10	33.4	12.9	6	2	3	12	6
GN 717-4-M8x1-DK-*	4	M 8 x 1	-	7.2	9.2	-	4.5	16	-	13.5	42	15.5	8	8	5	24	13
GN 717-5-M8-DK-*	5	M 8	-	7.2	9.2	-	5	16	-	13.5	42.5	15.5	8	7	5	24	14
GN 717-5-M8x1-DK-*	5	M 8 x 1	-	7.2	9.2	-	5	16	-	13.5	42.5	15.5	8	7	5	24	14
GN 717-5-M10x1-DK-*	5	M 10 x 1	-	7.2	11.5	-	5	16	-	13.5	42.5	15.5	10	22	5	24	20
GN 717-6-M10-DK-*	6	M 10	-	9.5	11.5	-	6	20	-	17	54.5	20.9	10	15	5	21	24
GN 717-6-M12x1,5-DK-*	6	M 12 x 1.5	-	9.5	13.8	-	6	20	-	16.5	54.4	20.9	12	38	5	21	36
GN 717-8-M12-DK-*	8	M 12	-	11.8	13.8	-	8	24	-	20.5	66.9	25.9	12	20	6	22	43
GN 717-8-M12x1,5-DK-*	8	M 12 x 1.5	-	11.8	13.8	-	8	24	-	20.5	66.9	25.9	12	20	6	22	64
GN 717-8-M16x1,5-DK-*	8	M 16 x 1.5	-	11.8	19.6	-	8	24	-	20.5	66.9	25.9	17	80	6	22	81
GN 717-10-M16x1,5-DK-*	10	M 16 x 1.5	-	11.8	19.6	-	10	26	-	22.5	70.9	25.9	17	80	4	25	84

Weight ST



Indexing elements