



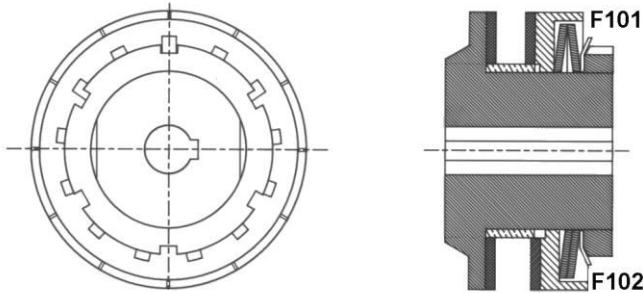
First, make sure that the piling up of the spring washers is according to the range of adjustment desired.

### Size 00 single or double piling-up

- Adjust the apparatus with a dynamometric key
- Tighten the nut with a HN 4 slotted key

### Sizes 0 to 5 single or double piling-up

#### Sizes 1 and 2 triple piling-up

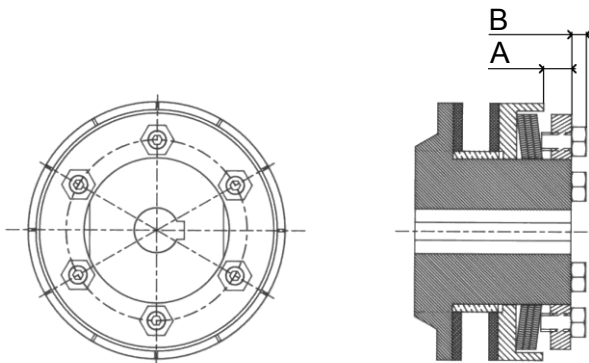


- Insert the braking washer with spurs on the periphery
- Handtighten the adjustment nut until it touches the spring washers. Locate the slot on the nut which coincides with one of the engravings of the box. This is the reference of the adjustment.
- Read in the table (see the verso) the number of divisions permitting to obtain the desired torque.
- With the right spured spanned (see the following table), tighten the nut by the corresponding value, then press down the spur facing the slot of the nut to ensure the braking.

Size	0	1	2	3	4	5
Spure spanned	HN 7	HN 8	HN 11	HN 13	HN 16	HN 18

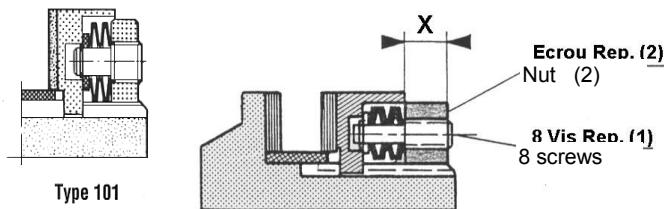
- For the size 0 apparatus, use a dynamometric key to have more precision in the setting off torque.

### Sizes 3 to 5 triple piling-up



- Read in the table (see overleaf) the dimensions A and B permitting to obtain the desired torque.
- Tighten the special nut to reach the dimension A
- Bring alternately and progressively the screws to the dimension B
- Tighten the lock nut

### Size 6 single or double piling-up



- Loosen all screws (1) (see schema)
- Read in the table the dimension X to obtain
- Tighten the nut (2) until obtaining the dimension X (see table overleaf)
- Tighten again alternately and progressively all peripheric screws (1) until they are flush with the face of the nut (2)

Type 102





**Adjustment values**

Size	Piling-up											
<b>0</b>	single	Torque Nm								6	9	16
		divisions nb								2	3	5
	double	Torque Nm									20	34
		divisions nb									2	3
<b>1</b>	single	Torque Nm		16	23	30	37	45	51	57	64	70
		divisions nb		5	7	9	11	14	17	20	24	28
	double	Torque Nm		62	73	85	94	102	110	117	124	130
		divisions nb		6	7	8	9	10	11	12	13	14
	triple	Torque Nm		48	67	86	105	124	143	162	182	196
		divisions nb		1	2	3	4	5	6	7	8	9
<b>2</b>	single	Torque Nm		25	36	49	62	86	94	102	120	125
		divisions nb		3	4	5	6	8	9	10	12	13
	double	Torque Nm					86	116	157	200	234	246
		divisions nb					3	4	5	6	7	8
	triple	Torque Nm				123	147	202	255	307	349	400
		divisions nb				1	2	3	4	5	6	7
<b>3</b>	single	Torque Nm		85	116	133	148	174	185	210	230	243
		divisions nb		6	8	9	10	12	13	15	17	19
	double	Torque Nm					289	349	403	460	503	539
		divisions nb					6	7	8	9	10	11
	triple	Torque Nm		202	283	364	445	526	607	688	769	785
		A mm		11,4	11,2	11,1	10,9	10,8	10,5	10,3	10	9,9
B mm			8	8	8	8	8	8	8	8	8	
<b>4</b>	single	Torque Nm	169	217	262	304	347	385	426	467	515	550
		divisions nb	8	9	11	13	15	18	21	24	28	32
	double	Torque Nm	520	606	681	757	823	888	946	1003	1050	1100
		divisions nb	7	8	9	10	11	12	13	14	15	16
	triple	Torque Nm		404	566	728	890	1052	1213	1375	1537	1570
		A mm		14,1	14	13,8	13,6	13,1	12,7	12,4	11,5	11,3
B mm			9	9	9	9	9	9	9	9	9	
<b>5</b>	single	Torque Nm	207	267	320	373	422	488	550	607	657	700
		divisions nb	8	10	12	14	16	19	22	25	28	31
	double	Torque Nm	503	622	737	851	958	1065	1151	1238	1330	1400
		divisions nb	7	8	9	10	11	12	13	14	15	16
	triple	Torque Nm		515	721	927	1132	1339	1545	1751	1956	2059
		A mm		13	12,6	12,4	12,1	11,8	11,3	10,6	9,5	9
B mm			9	9	9	9	9	9	9	9	9	
<b>6</b>	single	Torque Nm			300	420	540	660	780	900	1020	1140
		X mm			13,5	13,2	12,9	12,5	12,1	11,6	11,1	10,6
	double	Torque Nm			600	840	1080	1320	1560	1800	2040	2280
		X mm			11,3	11,1	10,9	10,7	10,5	10,3	10,1	9,8

