

Pressure-Reducing-Valve, springloaded

for steam, gases and liquids

Typ 70

Standard version:

Material: Valve-body / media contact surfaces

Typ 70.2: BG 00 1.4571 / 1.4571

BG 0 - II 1.4301, 1.4571 / 1.4571

BG III - IIIB 1.4571 / 1.4571

Connections:

Screwed connection: DIN ISO 228 / ASME B1.20.1

Sealings:

FPM, EPDM

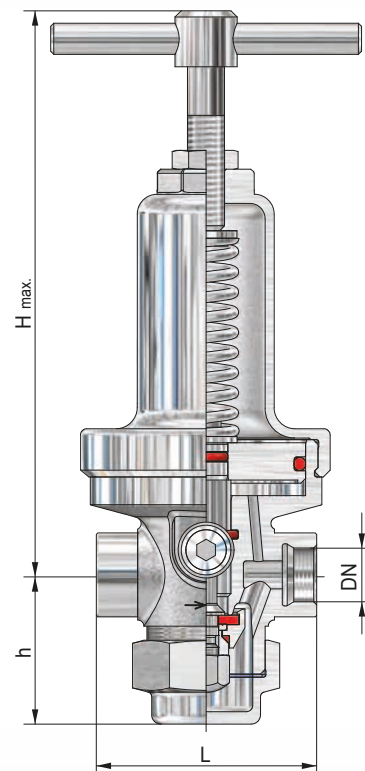
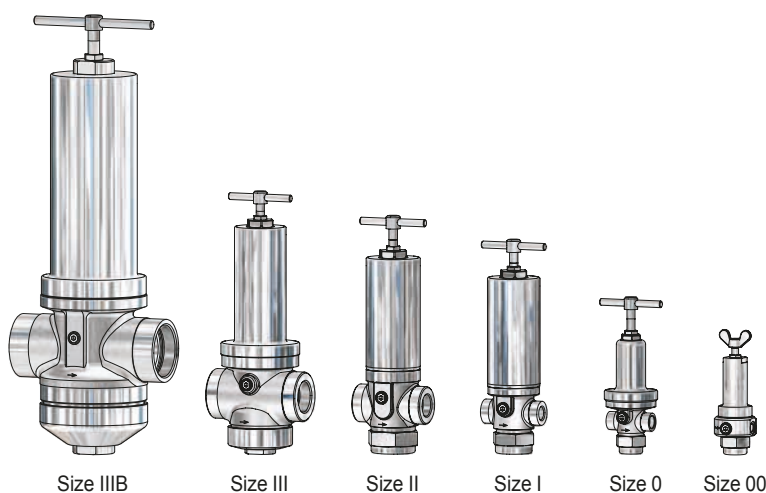
PTFE, EPDM (steam up to 150°C)

PTFE, AF100, EPDM (steam up to 200°C)

Approvals:

Pressure Equipment Directive: 97/23/EG

Declaration of Conformity



Size	Inlet			Outlet			Dimensions					Kvs value
	DN	G, NPT	Inlet pressure range P1 [bar(g)] max.	DN	G, NPT	Reduced pressure range P2 min. [bar(g)] max.	Height H max.	Cap	L	h		
							Toggle spindle [mm]				[mm]	
00 1)	6 8	1/8 1/4	16	6 8	1/8 1/4	1,00 / 7,00	160	-	58		36	0,63
0	8 10 15	1/4 3/8 1/2	63	8 10 15	1/4 3/8 1/2	0,35 / 17,00	205	180	70		48	1,2 2,0 2,2
	15 20 25*	1/2 3/4 1*	100 63 63	15 20 25*	1/2 3/4 1*	0,35 / 73,00	275	255	90 90 135		58	3,0 3,2 3,5
	25 32 40*	1 1 1/4 1 1/2*	63	25 32 40*	1 1 1/4 1 1/2*	0,25 / 23,00	305	265	105 105 155		68	6,3 6,5 6,7
III	40 50 65*	1 1/2 2 2 1/2*	63 40 40	40 50 65*	1 1/2 2 2 1/2*	0,25 / 17,00	325	305	145 145 210		85	12,5 13,0 13,5
	50 65	2 2 1/2	40	50 65	2 2 1/2	0,25 / 12,00	545	495	220		145	27,5 28,0

other design on request

* special size

1) not for water steam applicable

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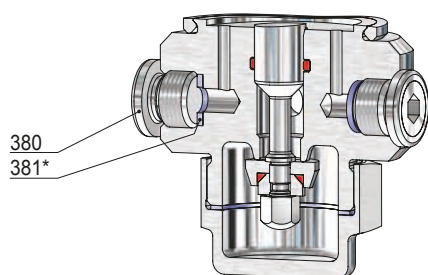
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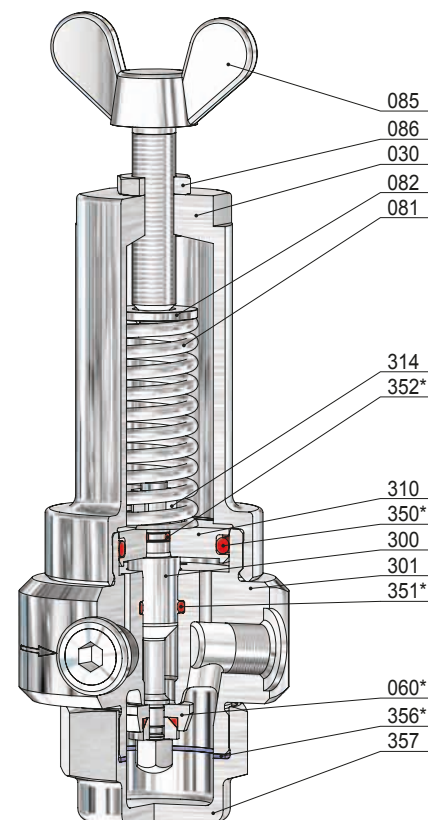
Pressure-Reducing-Valve, springloaded

for gases and liquids

Typ 70



Manometer connection G $\frac{1}{4}$



Size 00

Item	Piece	Description	Item	Piece	Description
301	1	valve body	350 *	1	o-ring
030	1	spring bonnet	351 *	1	o-ring
060 *	1	disc, complete	352 *	1	o-ring
560	1	disc	356 *	1	sealing ring
061	1	pressure piece	357	1	bottom plug
065	1	disc bolt	380	2	screw plug
071	1	o-ring	381 *	2	sealing ring
081	1	spring			
082	1	springplate, upper			
085	1	adjusting screw			
086	1	lock nut			
300	1	piston			
310	1	piston plate			
314	1	lock nut			

* expendable parts

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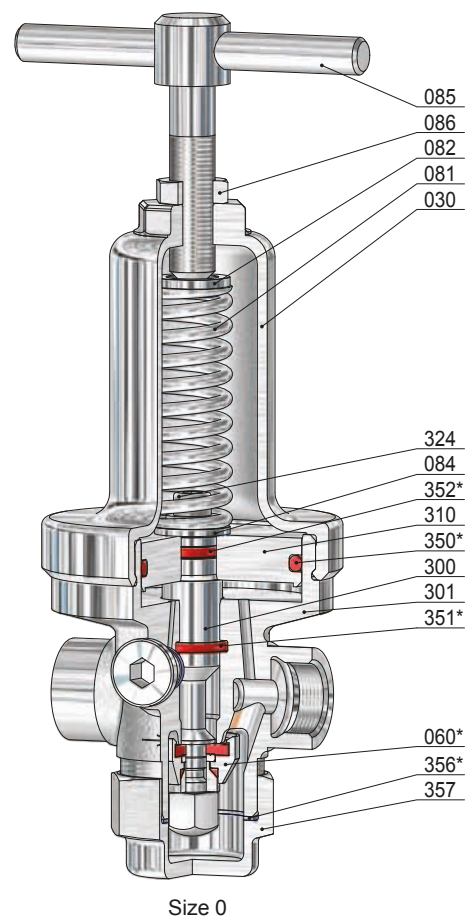
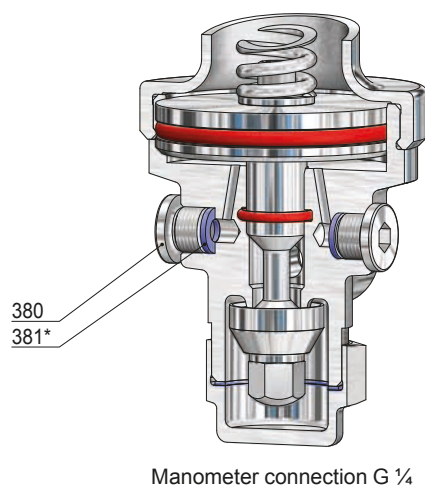
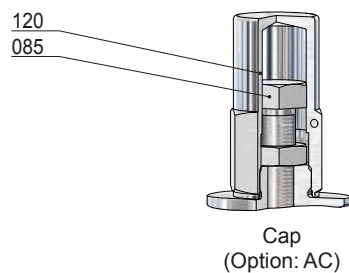
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for steam, gases and liquids

Typ 70



Item	Piece	Description	Item	Piece	Description
301	1	valve body	086	1	lock nut
030	1	spring bonnet	120	1	cap
060 *	1	disc, complete	300	1	piston
560	1	disc	310	1	piston plate
061	1	pressure piece	324	1	screw
062	1	soft sealing	350 *	1	o-ring
065	1	disc bolt	351 *	1	o-ring
071	1	o-ring	352 *	1	o-ring
072	1	locking ring	356 *	1	sealing ring
073	1	o-ring (only for thermoplastics soft sealing)	357	1	bottom plug
081	1	spring	380	2	screw plug
082	1	springplate, upper	381 *	2	sealing ring
084	1	springplate, lower			
085	1	adjusting screw			

* expendable parts

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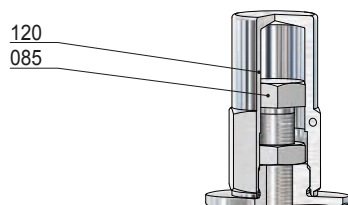
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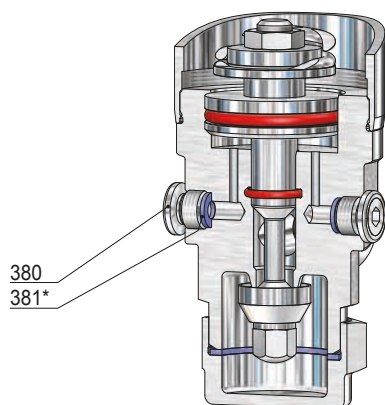
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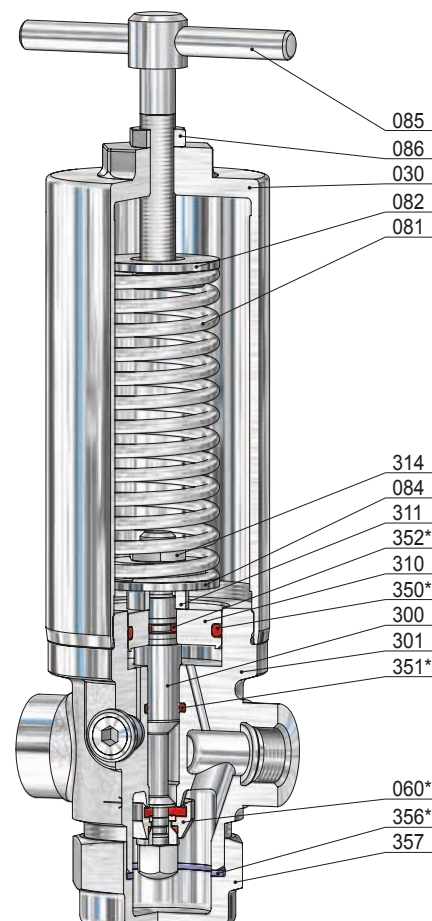
Typ 70



Cap
(Option: AC)



Manometer connection G 1/4



Size I

Item	Piece	Description	Item	Piece	Description
301	1	valve body	086	1	lock nut
030	1	spring bonnet	120	1	cap
060 *	1	disc, complete	300	1	piston
560	1	disc	310	1	piston plate
061	1	pressure piece	311	1	distance bush
062	1	soft sealing	314	1	lock nut
065	1	disc bolt	350 *	1	o-ring
071	1	o-ring	351 *	1	o-ring
072	1	locking ring	352 *	1	o-ring
073	1	o-ring (only for thermoplastics soft sealing)	356 *	1	sealing ring
081	1	spring	357	1	bottom plug
082	1	springplate, upper	380	2	screw plug
084	1	springplate, lower	381 *	2	sealing ring
085	1	adjusting screw			

* expendable parts

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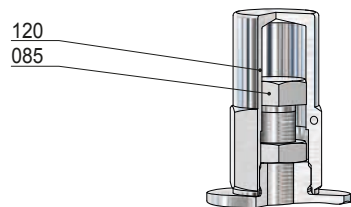
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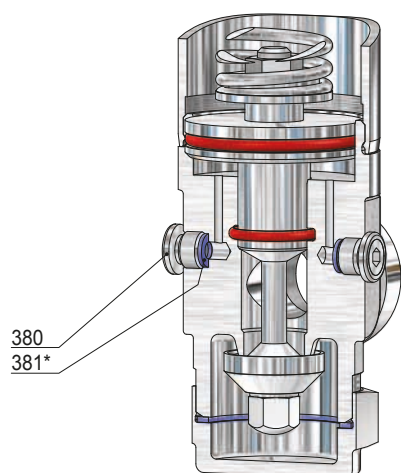
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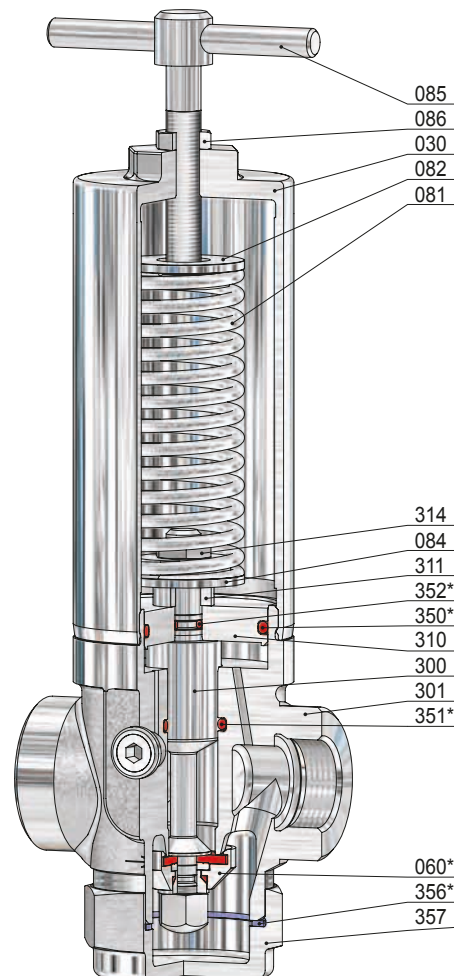
Typ 70



Cap
(Option: AC)



Manometer connection G 1/4



Size II

Item	Piece	Description	Item	Piece	Description
301	1	valve body	086	1	lock nut
030	1	spring bonnet	120	1	cap
060 *	1	disc, complete	300	1	piston
560	1	disc	310	1	piston plate
061	1	pressure piece	311	1	distance bush
062	1	soft sealing	314	1	lock nut
065	1	disc bolt	350 *	1	o-ring
071	1	o-ring	351 *	1	o-ring
072	1	locking ring	352 *	1	o-ring
073	1	o-ring (only for thermoplastics soft sealing)	356 *	1	sealing ring
081	1	spring	357	1	bottom plug
082	1	springplate, upper	380	2	screw plug
084	1	springplate, lower	381 *	2	sealing ring
085	1	adjusting screw			

* expendable parts

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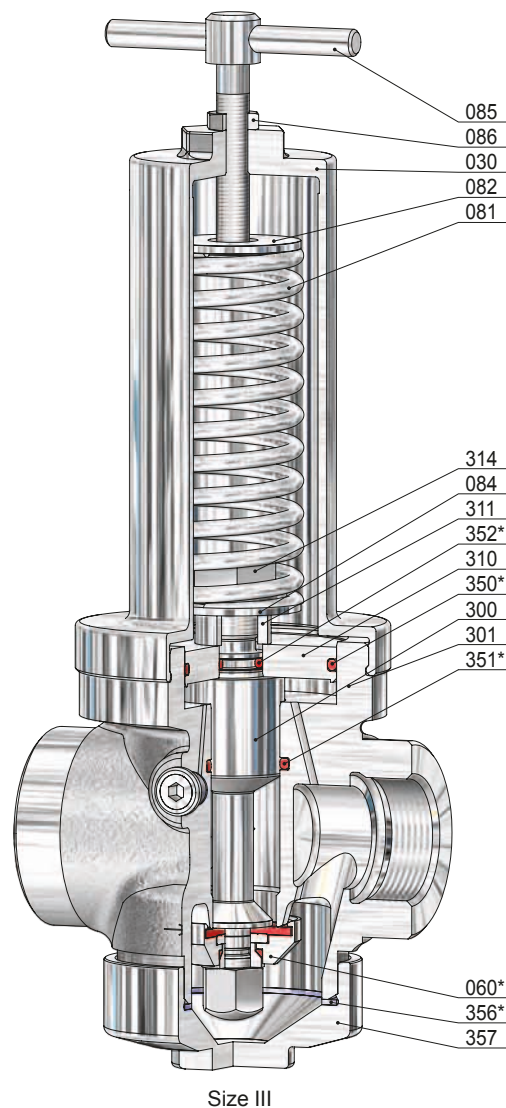
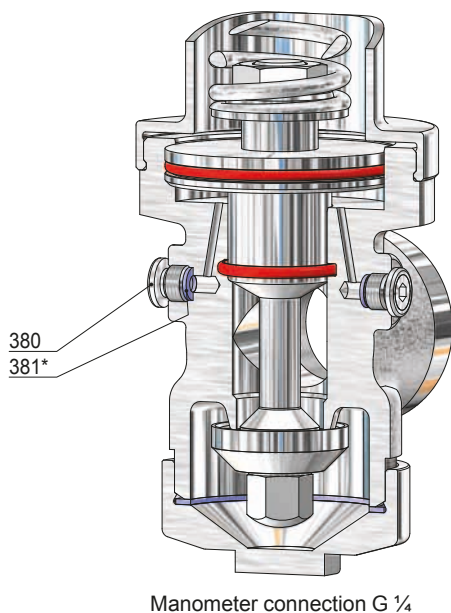
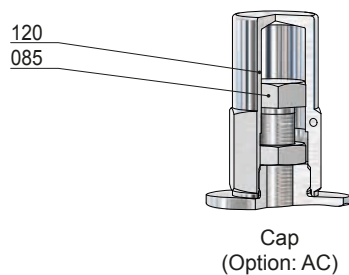
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Item	Piece	Description	Item	Piece	Description
301	1	valve body	086	1	lock nut
030	1	spring bonnet	120	1	cap
060 *	1	disc, complete	300	1	piston
560	1	disc	310	1	piston plate
061	1	pressure piece	311	1	distance bush
062	1	soft sealing	314	1	lock nut
065	1	disc bolt	350 *	1	o-ring
071	1	o-ring	351 *	1	o-ring
072	1	locking ring	352 *	1	o-ring
073	1	o-ring (only for thermoplastics soft sealing)	356 *	1	sealing ring
081	1	spring	357	1	bottom plug
082	1	springplate, upper	380	2	screw plug
084	1	springplate, lower	381 *	2	sealing ring
085	1	adjusting screw			

* expendable parts

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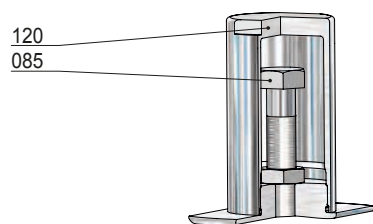
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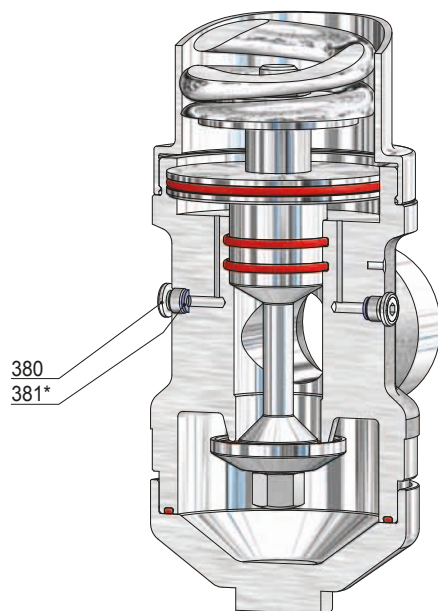
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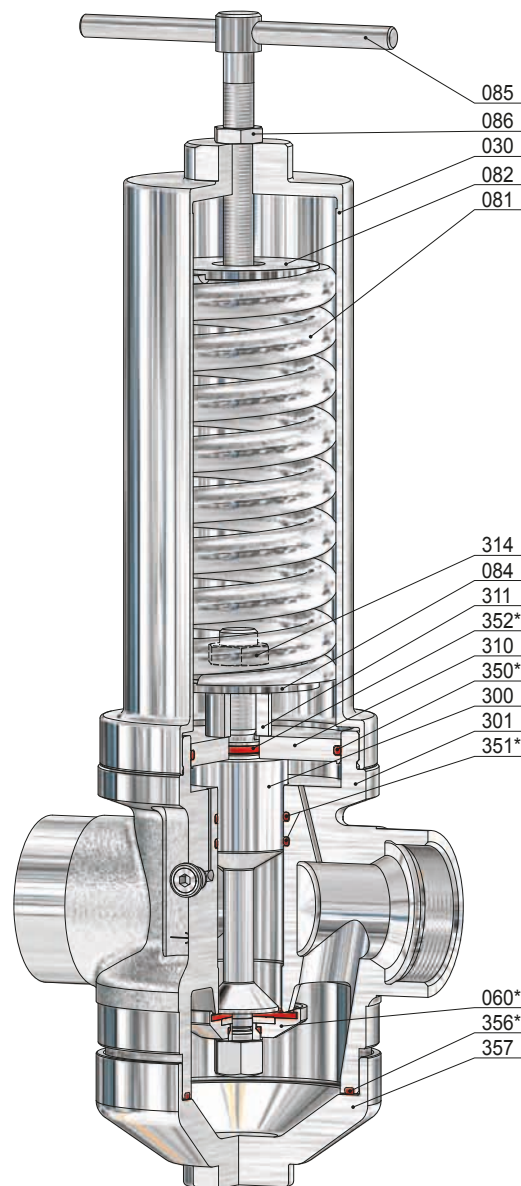
Typ 70



Cap
(Option: AC)



Manometer connection G 1/4



Size IIIB

Item	Piece	Description	Item	Piece	Description
301	1	valve body	086	1	lock nut
030	1	spring bonnet	120	1	cap
060 *	1	disc, complete	300	1	piston
560	1	disc	310	1	piston plate
061	1	pressure piece	311	1	distance bush
062	1	soft sealing	314	1	lock nut
065	1	disc bolt	350 *	1	o-ring
071	1	o-ring	351 *	2	o-ring
072	1	locking ring	352 *	1	o-ring
073	1	o-ring (only for thermoplastics soft sealing)	356 *	1	sealing ring
081	1	spring	357	1	bottom plug
082	1	springplate, upper	380	2	screw plug
084	1	springplate, lower	381 *	2	sealing ring
085	1	adjusting screw			

* expendable parts

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