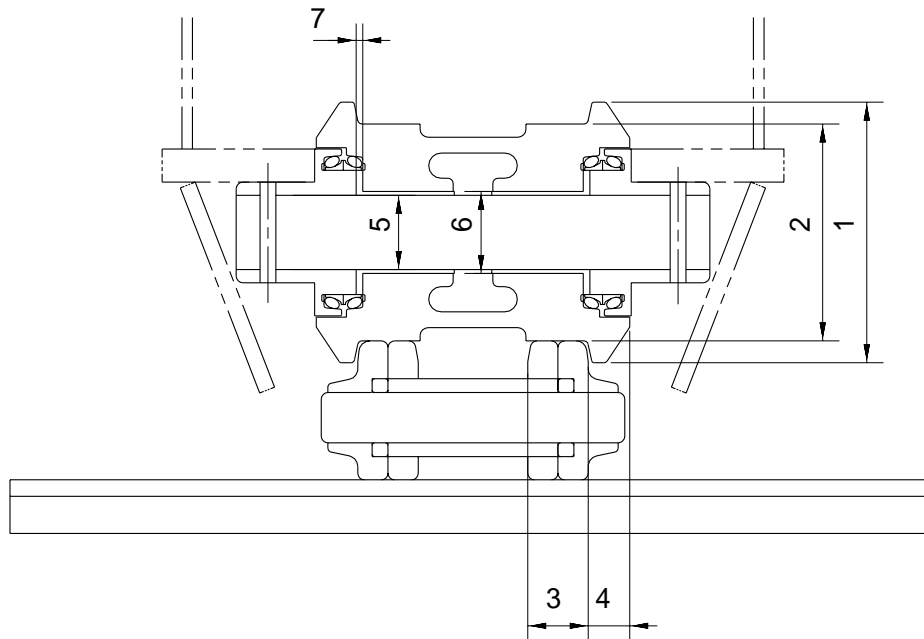


## GROUP 3 TRACK AND WORK EQUIPMENT

### 1. TRACK

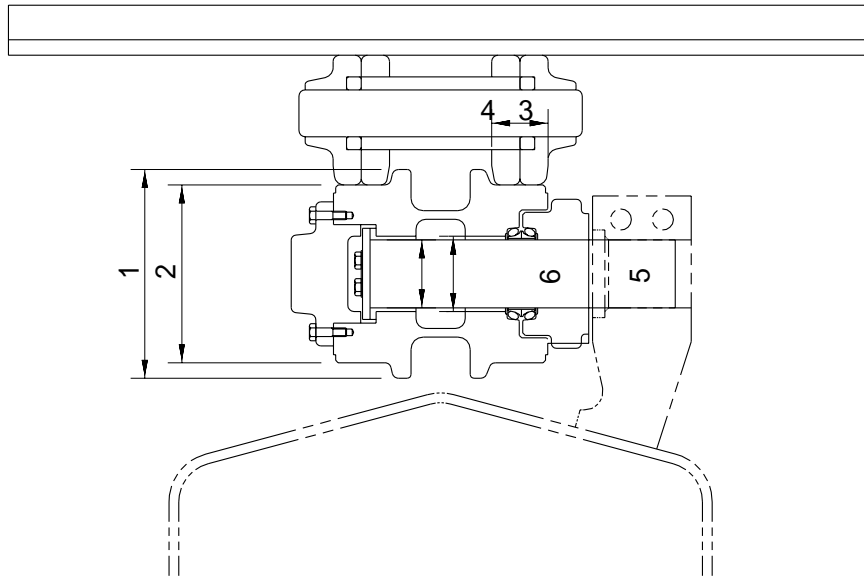
#### 1) TRACK ROLLER



Unit : mm

No.	Check item	Criteria				Remedy	
		Standard size		Repair limit			
1	Outside diameter of flange	Ø 185		-		Rebuild or replace	
2	Outside diameter of tread	Ø 150		Ø 138			
3	Width of tread	36.5		42.5			
4	Width of flange	22		-			
5	Clearance between shaft and bushing	Standard size	Tolerance		Standard clearance	Clearance limit	Replace bushing
		Ø 60	Shaft	Hole	0.021 to 0.050	1.5	
6	Interference between roller and bushing	Standard size	Tolerance		Standard Interference	Interference limit	-
		Ø 68	+0.094 to +0.075	+0.030 to 0	0.045 to 0.094	-	
7	Side clearance of roller	Standard clearance		Clearance limit		Replace	
		0.2 to 0.6		1.5			

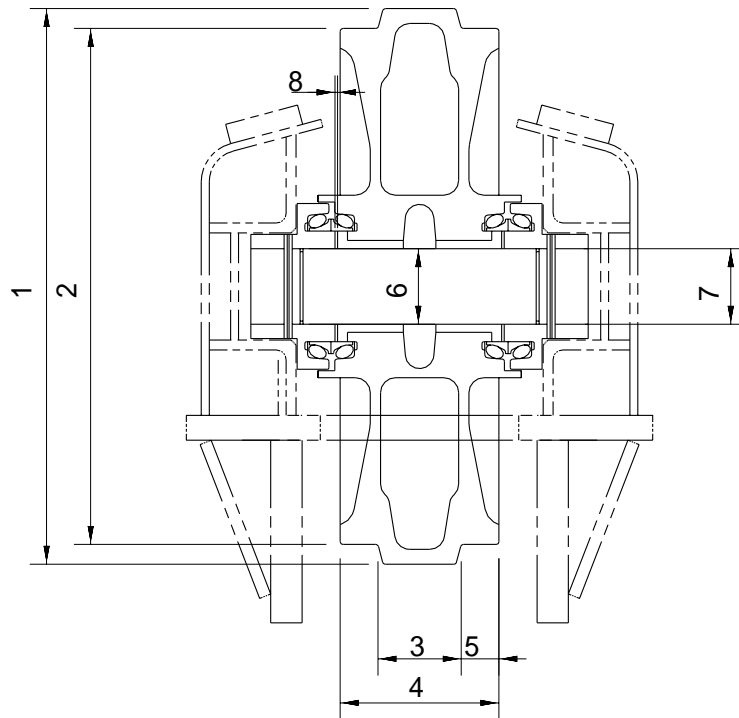
## 2) CARRIER ROLLER



Unit : mm

No.	Check item	Criteria				Remedy		
		Standard size		Repair limit				
1	Outside diameter of flange	Ø 175		-		Rebuild or replace		
2	Outside diameter of tread	Ø 151		Ø 141				
3	Width of tread	37.25		45				
4	Width of flange	18.25		-				
5	Clearance between shaft and support	Standard size & Tolerance		Standard clearance	Clearance limit	Replace bushing		
		Shaft	Hole				0.229 to 0.25	1.2
	Ø 41.27	+0.003 +0.017	Ø 41.5	+0.003 +0.002				
6	Interference between shaft and seal guard	Ø 50.8	0 -0.005	Ø 50.8	+0.006 +0.134	0.011 to 0.134	-	Replace

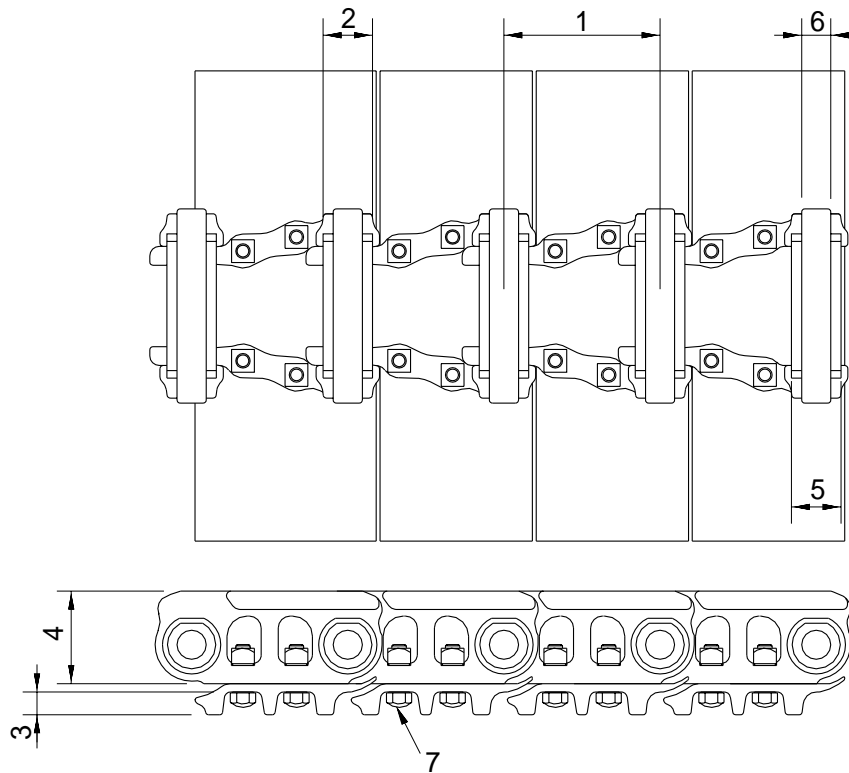
### 3) IDLER



Unit : mm

No.	Check item	Criteria		Remedy		
		Standard size	Repair limit			
1	Outside diameter of protrusion	Ø 552	-	Rebuild or replace		
2	Outside diameter of tread	Ø 507	Ø 491			
3	Width of protrusion	70	-			
4	Total width	135	-			
5	Width of tread	32.5	35.5			
6	Clearance between shaft and bushing	Standard size & Tolerance		Standard clearance 0.30 to 0.380	Clearance limit 1.0	
		Shaft Ø 50 $\begin{matrix} 0 \\ -0.030 \end{matrix}$	Hole Ø 50.3 $\begin{matrix} +0.050 \\ 0 \end{matrix}$			
7	Clearance between shaft and support	Ø 50 $\begin{matrix} 0 \\ -0.030 \end{matrix}$	Ø 50.025 $\begin{matrix} +0.064 \\ 0 \end{matrix}$	0.25 to 0.317	1.0	Replace
8	Side clearance of idler (both side)	Standard clearance		Clearance limit		
		0.4 to 1.0		1.5		

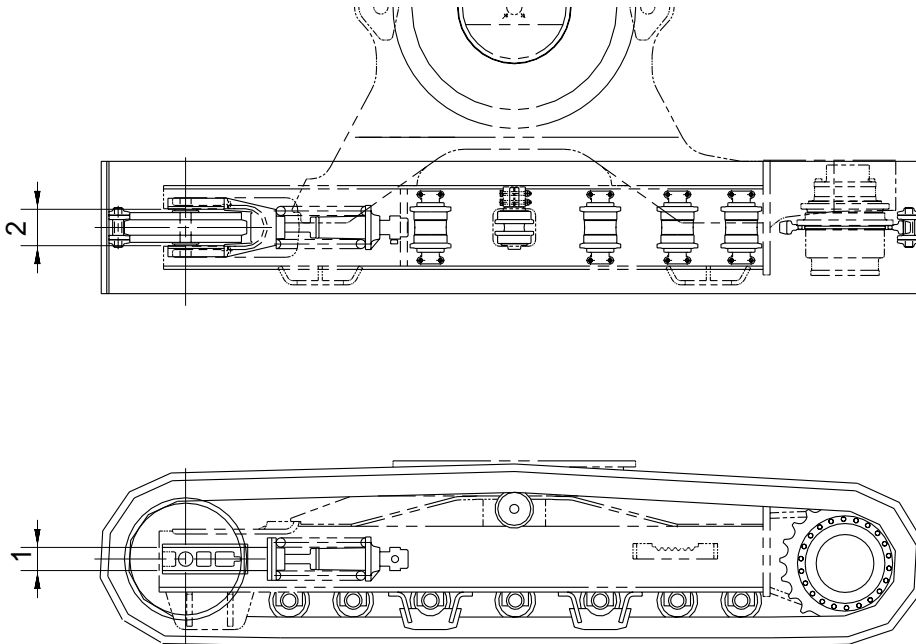
#### 4) TRACK



Unit : mm

No.	Check item	Criteria			Remedy
		Standard size & Tolerance		Standard interference	
1	Link pitch	Standard size		Repair limit	
		171.07		174.4	
2	Outside diameter of bushing	50.61		46.57	
3	Height of grouser	26		19	
4	Height of link	94.5		86.9	
5	Interference between bushing and link	Standard size & Tolerance		Standard interference	Interference limit
		Shaft	Hole		
	$\varnothing 50.68$	$\varnothing 50.25$			
6	Interference between regular pin and link	Standard size & Tolerance		Standard interference	Interference limit
		Shaft	Hole		
	$\varnothing 33.47$	$\varnothing 33.1$			
7	Tightening angle method (Tightening angle method)	Initial tightening torque : $38^{+5}_{-3}$ kg · m			Tight
		Additional tightening angle : $32^{\circ}$			

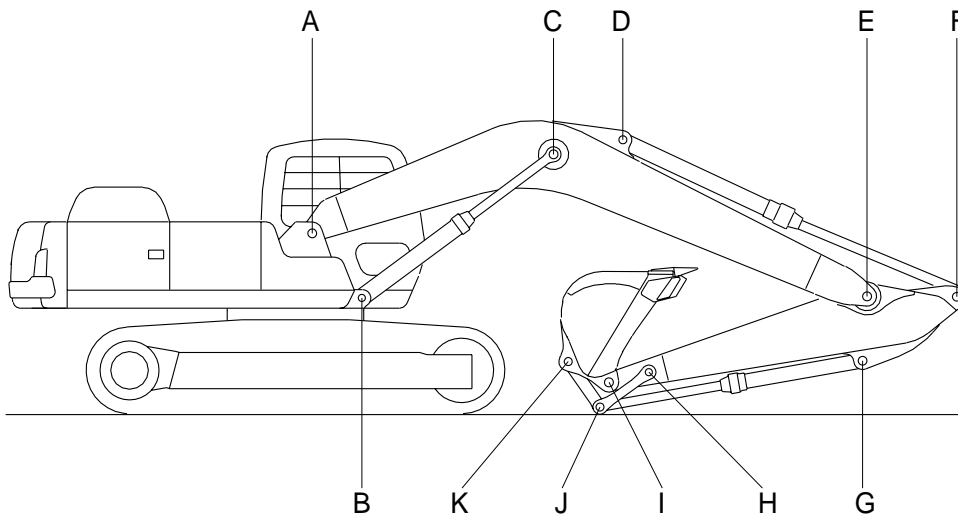
## 5) TRACK FRAME AND RECOIL SPRING



Unit : mm

No.	Check item	Criteria				Remedy	
			Standard size	Tolerance	Repair limit		
1	Vertical width of idler guide	Track frame	78	+2 -1	82	Rebuild or replace	
		idler support	75	0 -1.5	71		
2	Horizontal width of idler guide	Track frame	195	+3 -1	199		
		idler support	190	-	188		
3	Recoil spring	Standard size		Repair limit		Replace	
		Free length	Installation length	Installation load	Free length		Installation load
		∅ 192×410	405	8,497kg	-		7,817kg

## 2. WORK EQUIPMENT



Unit : mm

Mark	Measuring point (Pin and Bushing)	Normal valve	Criteria		Criteria		Remedy & Remark
			Recomm. service limit	Limit of use	Recomm. service limit	Limit of use	
A	Boom Rear	70	69	68.5	70.5	71	Replace
B	Boom Cylinder Head	70	69	68.5	70.5	71	"
C	Boom Cylinder Rod	70	69	68.5	70.5	71	"
D	Arm Cylinder Head	70	69	68.5	70.5	71	"
E	Boom Front	70	69	68.5	70.5	71	"
F	Arm Cylinder Rod	70	69	68.5	70.5	71	"
G	Bucket Cylinder Head	70	69	68.5	70.5	71	"
H	Arm Link	65	64	63.5	65.5	66	"
I	Bucket and Arm Link	65	64	63.5	65.5	66	"
J	Bucket Cylinder Rod	70	69	68.5	70.5	71	"
K	Bucket Link	65	64	63.5	65.5	66	"