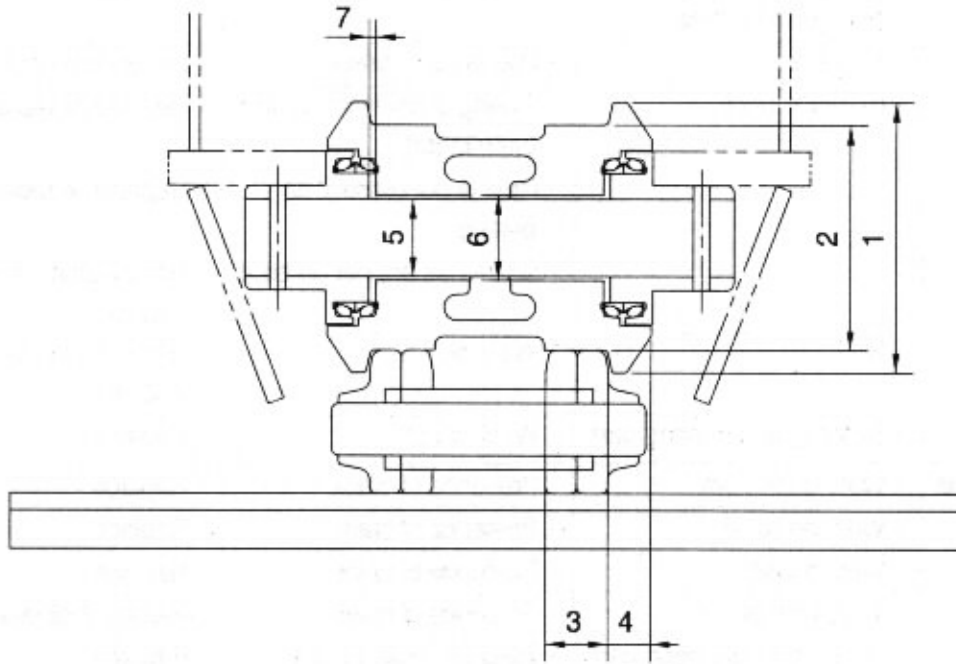


GROUP 3 TRACK AND WORK EQUIPMENT

1. TRACK

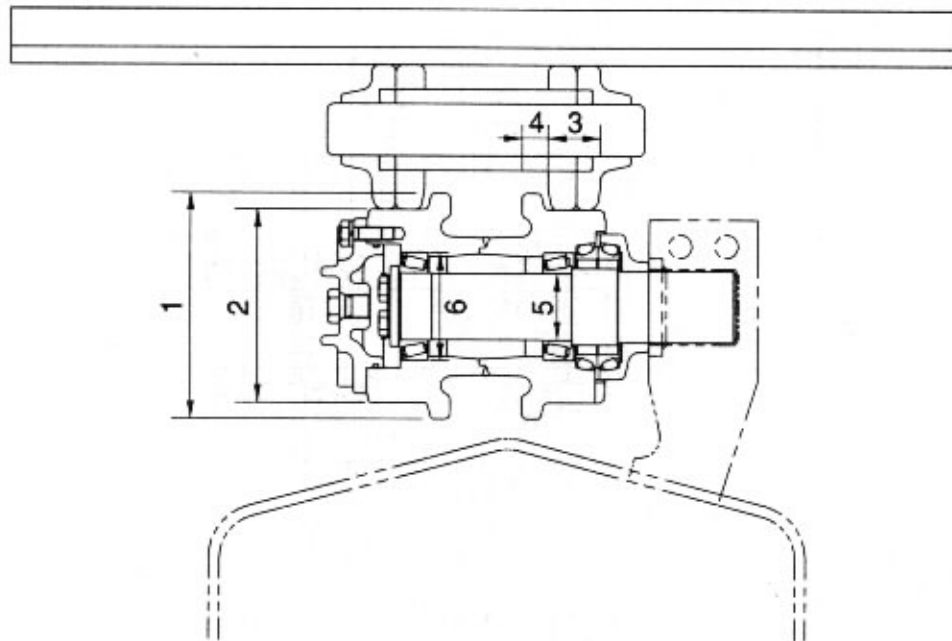
1) TRACK ROLLER



Unit : mm

No.	Check item	Criteria				Remedy	
		Standard size	Tolerance		Repair limit		
1	Outside diameter of flange	Standard size			Repair limit	Rebuild or replace	
		ø 193			-		
2	Outside diameter of tread	Standard size			Repair limit		
		ø 160			ø 148		
3	Width of tread	Standard size			Repair limit		
		46.5			51.5		
4	Width of flange	Standard size			Repair limit		
		32			-		
5	Clearance between shaft and bushing	Standard size	Tolerance		Standard clearance	Clearance limit	Replace bushing
			Shaft	Hole			
		ø 60	0 -0.055	+0.40 +0.35	0.35 to 0.455	1.5	
6	Interference between roller and bushing	Standard size	Tolerance		Standard Interference	Interference limit	
			Shaft	Hole			
		ø 68	+0.132 +0.102	+0.046 0	0.056 to 0.132	-	
7	Side clearance of roller	Standard clearance		Clearance limit		Replace	
		0.35 to 1.3		1.5			

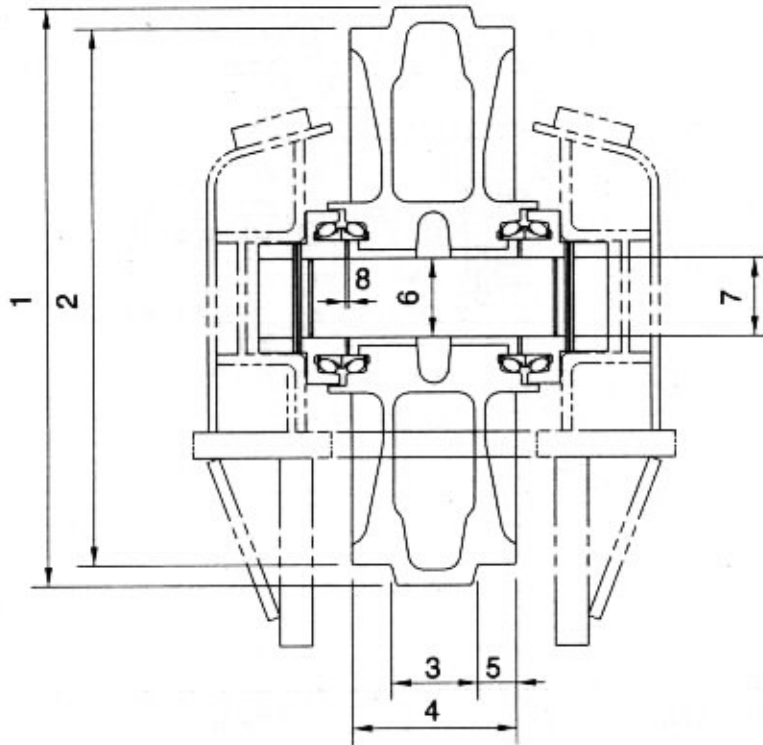
2) CARRIER ROLLER



Unit : mm

No.	Check item	Criteria		Remedy		
		Standard size	Repair limit			
1	Outside diameter of flange	Standard size	Repair limit	Rebuild or replace		
		$\phi 169$	-			
		2	Outside diameter of tread		$\phi 144$	$\phi 134$
		3	Width of tread		45.7	50.7
4	Width of flange	17	-			
5	Clearance between shaft and bearing	Standard size & Tolerance		Standard Interference		
		Shaft	Bearing			
		$\phi 50 \begin{matrix} +0.033 \\ +0.017 \end{matrix}$	$\phi 50 \begin{matrix} 0 \\ -0.012 \end{matrix}$	0.017 to 0.045	Replace	
6	Interference between bearing and roller	Bearing	Hole	0.018 to 0.073		
		$\phi 82 \begin{matrix} 0 \\ -0.020 \end{matrix}$	$\phi 82 \begin{matrix} -0.038 \\ -0.073 \end{matrix}$			

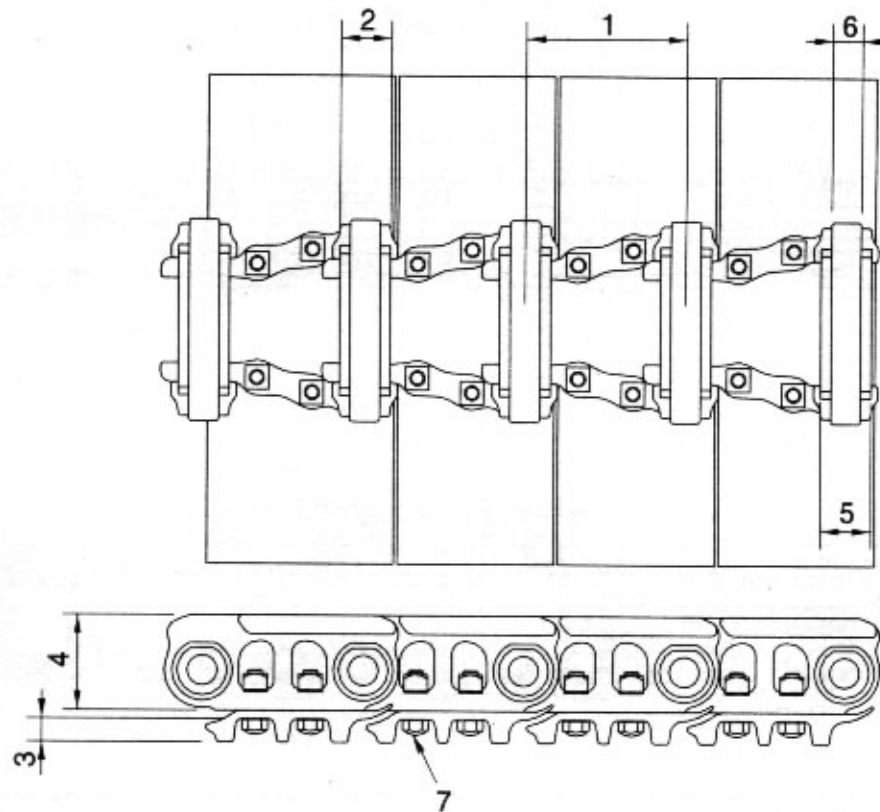
3) IDLER



Unit : mm

No.	Check item	Criteria			Remedy	
		Standard size		Repair limit		
1	Outside diameter of protrusion	ø 560		-	Rebuild or replace	
2	Outside diameter of tread	ø 520		ø 510		
3	Width of protrusion	84		-		
4	Total width	160		-		
5	Width of tread	38		45		
6	Clearance between shaft and bushing	Standard size & Tolerance		Standard clearance	Clearance limit	
		Shaft	Hole			
		ø 65 $\begin{matrix} 0 \\ -0.03 \end{matrix}$	ø 65.3 $\begin{matrix} +0.08 \\ -0.03 \end{matrix}$	0.27 to 0.41	1.5	Replace bushing
7	Clearance between shaft and support	ø 65 $\begin{matrix} 0 \\ -0.03 \end{matrix}$	ø 65 $\begin{matrix} +0.07 \\ +0.03 \end{matrix}$	0.03 to 0.1	-	Replace
8	Side clearance of idler (both side)	Standard clearance		Clearance limit		
		0.65 to 1.2		2.0		Replace bushing

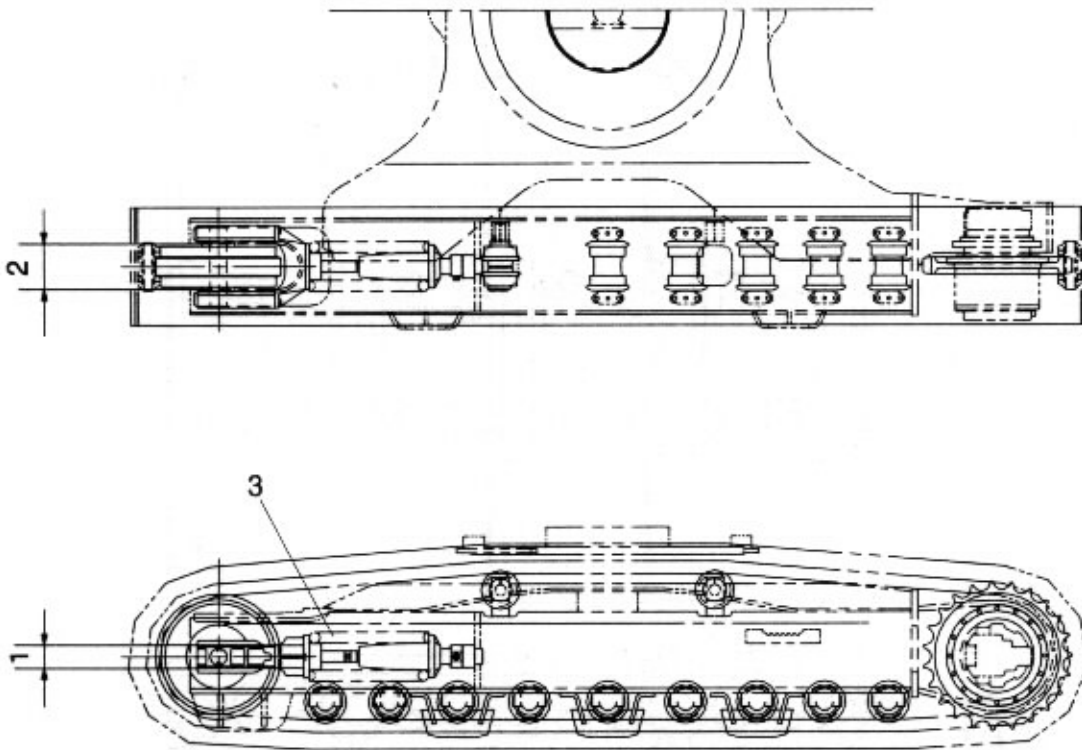
4) TRACK



Unit : mm

No.	Check item	Criteria				Remedy
		Standard size		Repair limit		
1	Link pitch	190		201.2		Turn or replace
2	Outside diameter of bushing	ø 60		ø 54.4		
3	Height of grouser	26		16		Replace
4	Height of link	105 ± 0.2		101		
5	Interference between bushing and link	Standard size & Tolerance		Standard interference	Interference limit	Replace
		Shaft	Hole			
ø 55 ^{+0.38} / _{+0.22}	ø 54.96 ^{+0.1} / ₀	0.20 to 0.40	0.1			
6	Interference between regular pin and link			ø 38 ^{+0.18} / _{+0.08}	ø 37.78 ^{+0.1} / ₀	0.20 to 0.40
7	Tightening torque	Initial tightening torque : 81 ± 4 kg · m				Check

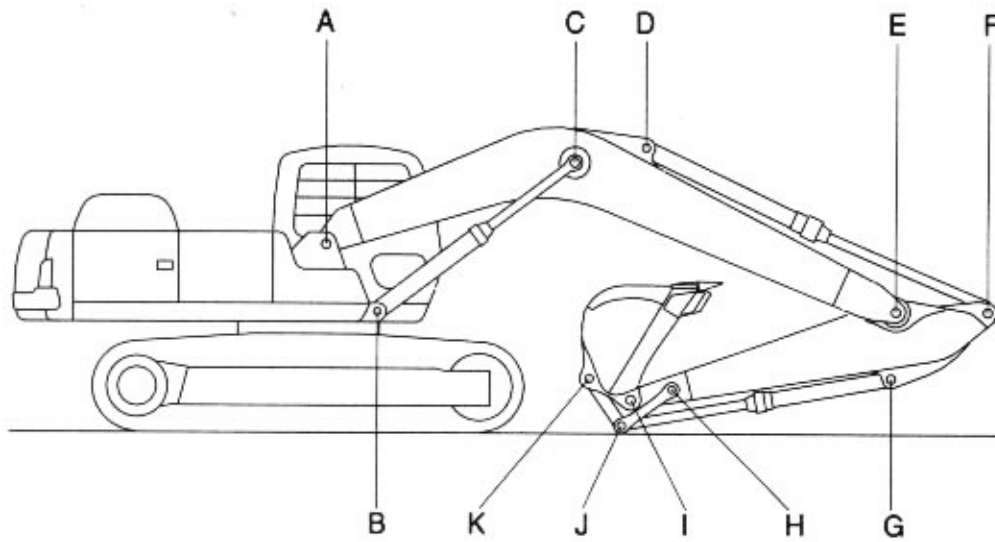
5) TRACK FRAME AND RECOIL SPRING



Unit : mm

No.	Check item	Criteria				Remedy	
			Standard size	Tolerance	Repair limit		
1	Vertical width of idler guide	Track frame	108	+2 0	112	Rebuild or replace	
		Idler support	105	-0.5 -1.0	101		
2	Horizontal width of idler guide	Track frame	249	+3 -1	254		
		Idler support	247	-	244		
3	Recoil spring	Standard size		Repair limit		Replace	
		Free length	Installation length	Installation load	Free length		Installation load
		∅ 238×558	437	11132kg	-		8900kg

2. WORK EQUIPMENT



Unit : mm

Mark	Measuring point (Pin and Bushing)	Normal value	Pin		Bushing		Remedy & Remark
			Recomm. service limit	Limit of use	Recomm. service limit	Limit of use	
A	Boom Rear	80	79	78.5	80.5	81	Replace
B	Boom Cylinder Head	70	69	68.5	70.5	71	"
C	Boom Cylinder Rod	80	79	78.5	80.5	81	"
D	Arm Cylinder Head	80	79	78.5	80.5	81	"
E	Boom Front	80	79	78.5	80.5	81	"
F	Arm Cylinder Rod	80	79	78.5	80.5	81	"
G	Bucket Cylinder Head	70	69	68.5	70.5	71	"
H	Arm Link	70	69	68.5	70.5	71	"
I	Bucket and Arm Link	70	69	68.5	70.5	71	"
J	Bucket Cylinder Rod	70	69	68.5	70.5	71	"
K	Bucket Link	70	69	68.5	70.5	71	"