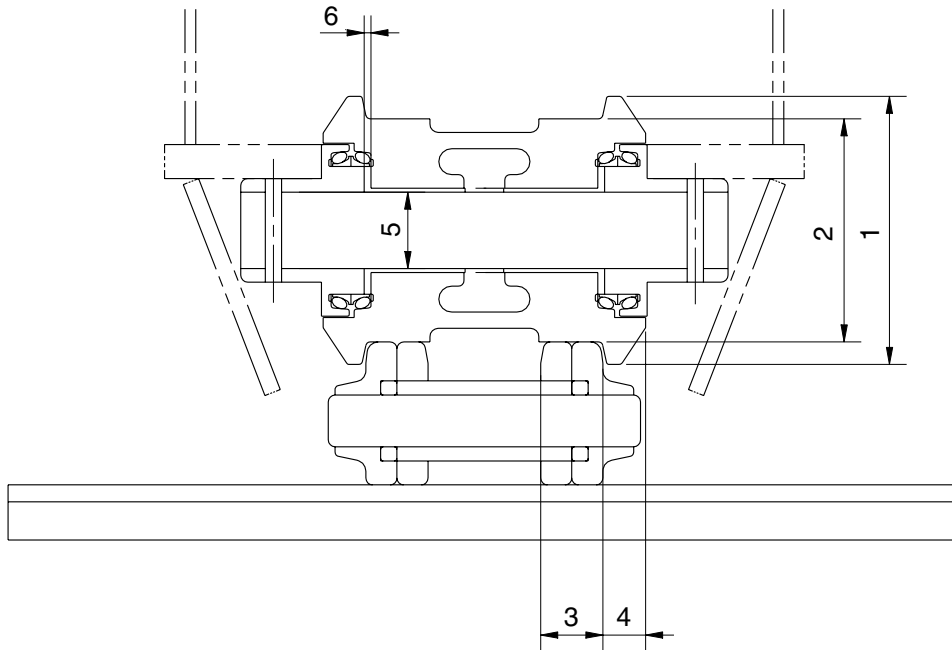


## GROUP 3 TRACK AND WORK EQUIPMENT

### 1. TRACK

#### 1) TRACK ROLLER

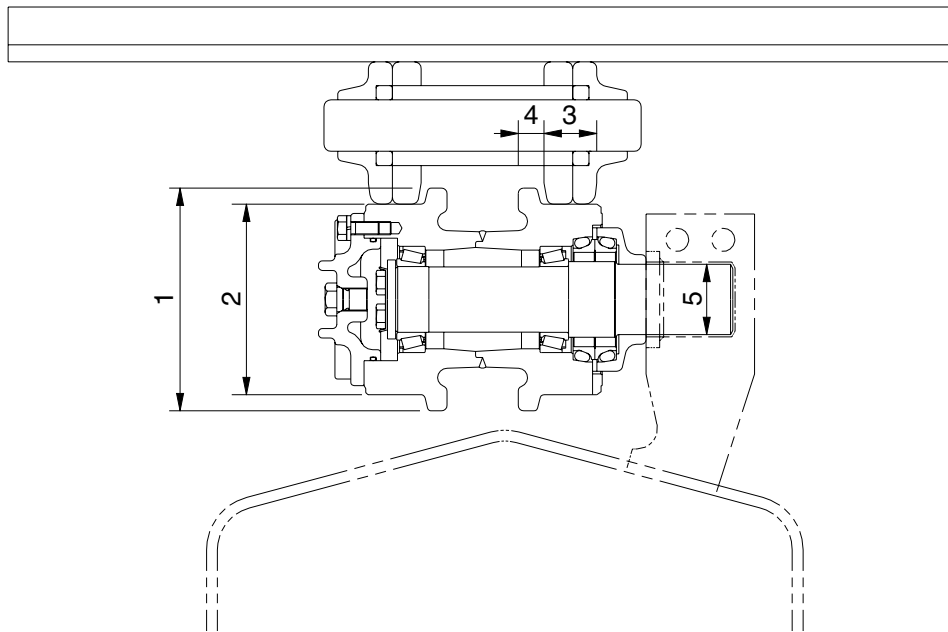


21037MS01

Unit : mm

No.	Check item	Criteria				Remedy
		Standard size		Repair limit		
1	Outside diameter of flange	Standard size		Repair limit		Rebuild or replace
		ø 190		-		
2	Outside diameter of tread	ø 150		ø 138		
3	Width of tread	36.5		42.5		
4	Width of flange	26.5		-		
5	Clearance between shaft and bushing	Standard size ø 65	tolerance		Standard clearance 0.325 to 0.47	Clearance limit 2.0
			Shaft	Hole		
			-0.25 -0.35	+0.12 +0.075		
6	Side clearance of roller (Both side)	Standard clearance		Clearance limit		Replace
		0.1 to 1.3		2.0		

## 2) CARRIER ROLLER

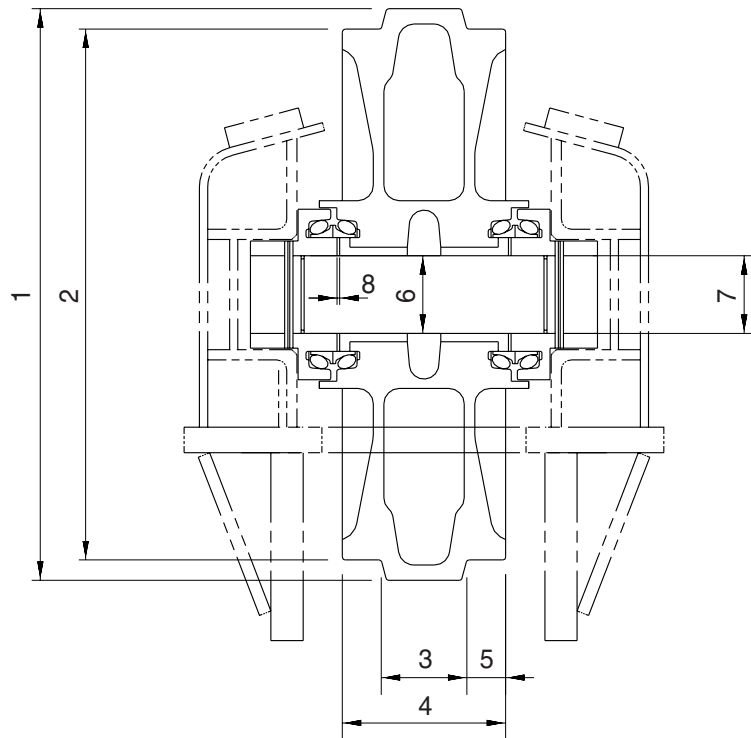


21037MS02

Unit : mm

No.	Check item	Criteria		Remedy	
		Standard size	Repair limit		
1	Outside diameter of flange	$\phi 175$	-	Rebuild or replace	
2	Outside diameter of tread	$\phi 151$	$\phi 141$		
3	Width of tread	37.25	42.25		
4	Width of flange	18.25	-		
5	Clearance between shaft and bushing	Standard size & Tolerance		Standard clearance	Clearance limit
		Shaft	Hole		
		$\phi 41.27 \begin{matrix} 0 \\ +0.05 \end{matrix}$	$\phi 41.5 \begin{matrix} +0.2 \\ -0.1 \end{matrix}$	0.13 to 0.48	1.2

### 3) IDLER

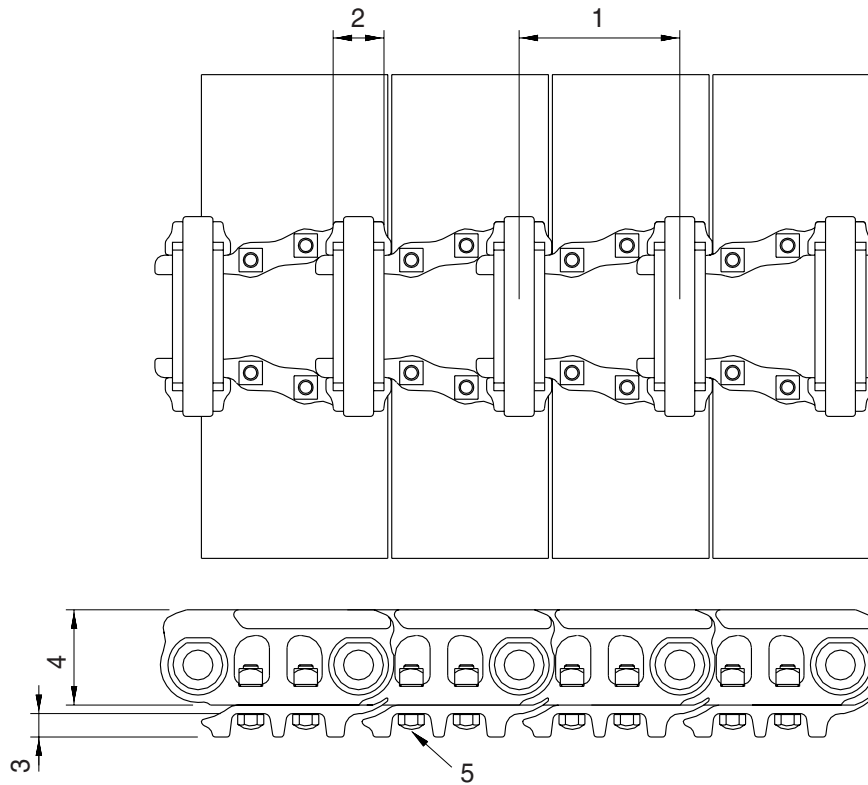


21037MS03

Unit : mm

No.	Check item	Criteria		Remedy		
		Standard size	Repair limit			
1	Outside diameter of protrusion	$\phi 552$	-	Rebuild or replace		
2	Outside diameter of tread	$\phi 507$	$\phi 497$			
3	Width of protrusion	67	-			
4	Total width	135	-			
5	Width of tread	34	39			
6	Clearance between shaft and bushing	Standard size & tolerance		Standard clearance	Clearance limit	Replace bushing
		Shaft	Hole			
		$\phi 70 \begin{matrix} 0 \\ -0.03 \end{matrix}$	$\phi 70.3 \begin{matrix} +0.05 \\ 0 \end{matrix}$	0.3 to 0.38	2.0	
7	Clearance between shaft and support	$\phi 70 \begin{matrix} 0 \\ -0.03 \end{matrix}$	$\phi 70 \begin{matrix} +0.07 \\ +0.03 \end{matrix}$	0.03 to 0.1	1.2	Replace
8	Side clearance of idler (Both side)	Standard clearance		Clearance limit		Replace bushing
		0.25 to 1.15		2.0		

#### 4) TRACK

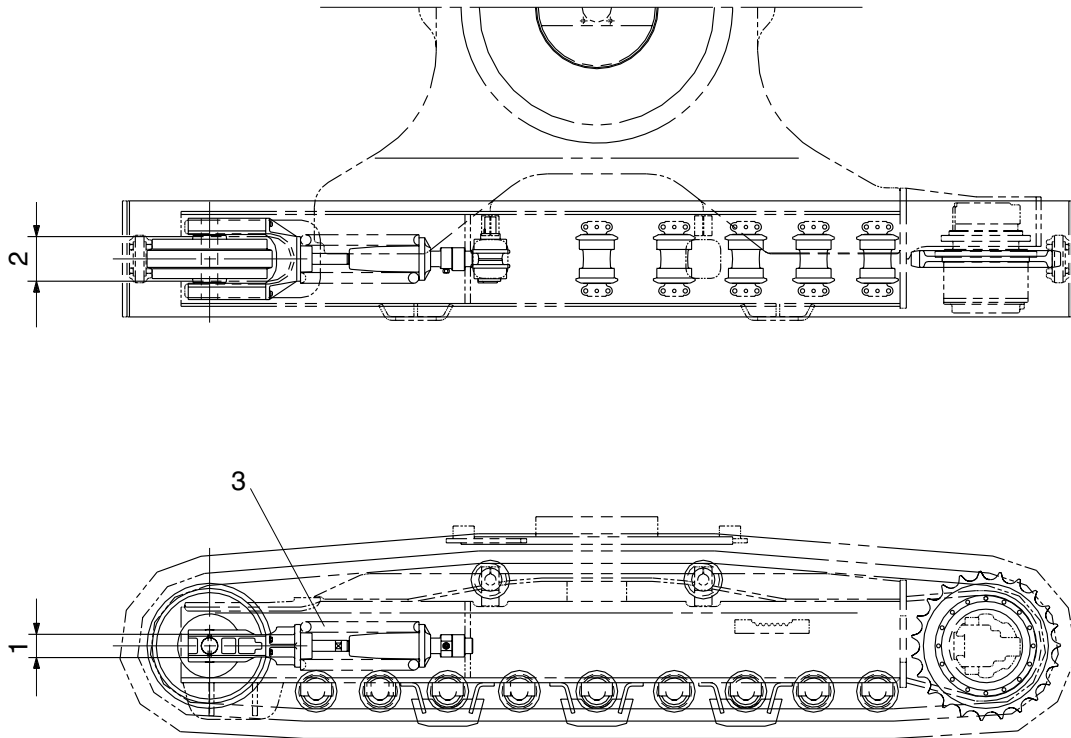


21037MS04

Unit : mm

No.	Check item	Criteria		Remedy
		Standard size	Repair limit	
1	Link pitch	171.45	175.65	Turn or replace
2	Outside diameter of bushing	∅ 53.75	∅ 43.95	Rebuild or replace
3	Height of grouser	25	16	
4	Height of link	94.5	86.5	
5	Tightening torque (Tightening angle method)	Initial tightening torque : $42 \pm 4$ kgf · m Additional tightening angle : $32^\circ$		Retighten

## 5) TRACK FRAME AND RECOIL SPRING

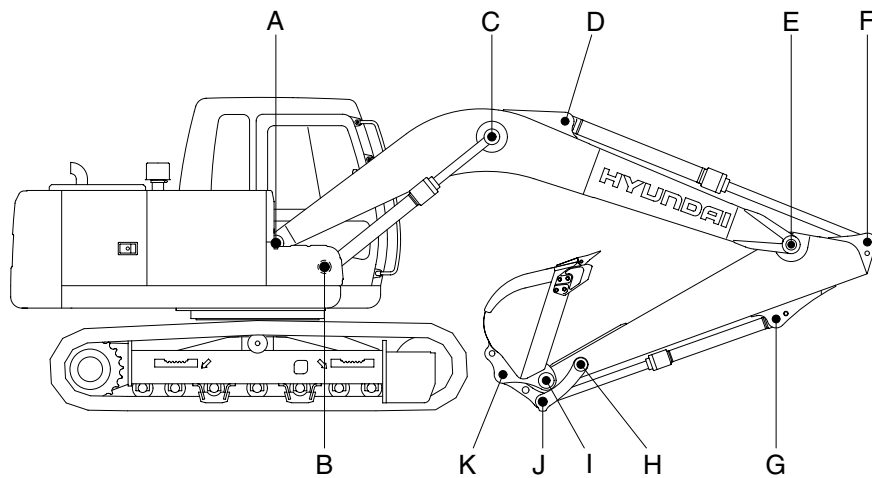


21037MS05

Unit : mm

No.	Check item	Criteria				Remedy	
			Standard size	Tolerance	Repair limit		
1	Vertical width of idler guide	Track frame	103	+2 0	107	Rebuild or replace	
		Idler support	100	0 -0.5	98		
2	Horizontal width of idler guide	Track frame	192	+2 0	196		
		Idler support	190	-	188		
3	Recoil spring	Standard size			Repair limit		Replace
		Free length	Installation length	Installation load	Free length	Installation load	
		∅ 192 × 470	405	8,497kg	-	6,978kg	

## 2. WORK EQUIPMENT



1407AMS01

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	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	"