

规格型号 Specification	最大行程 Mar stroke	主要尺寸Main size															滚柱数量 Number Of rollers	容许预 压量 Allowable preload	基本额定负荷 Basic load Rating		质量 Kg/m Weight				
		组合尺寸 Combination size			组装尺寸 Assembly size						保持架尺寸 Cage Dimensions								CZ /KN	COZ /KN					
		B	A	L	n×L2	L1	B1	B3	M	B2	A1	T	D	R	g	p						q			
FYV3-75-8Z	46	18	8	75	2×25												52			8	-4	0.363	0.275	0.45	
FYV3-100-12Z	56			100	3×25													72							12
FYV3-125-15Z	76			125	4×25	12.5	8.3	3.5	Φ3.6	6	3.2	2	3				87	4	5	14					15
FYV3-150-19Z	86			150	5×25				M4								107								19
FYV3-175-22Z	106			175	6×25												122								22
FYV3-200-26Z	116			200	7×25												142								26
FYV4-80-6Z	56	22	11	80	1×40												52			6	-5	0.764	0.637	0.8	
FYV4-120-10Z	88			120	2×40													76							10
FYV4-160-15Z	108			160	3×40													106							15
FYV4-200-19Z	140			200	4×40													130							19
FYV4-240-24Z	160			240	5×40	20	10	4.7	Φ4.8	7.8	4.4	2	4				160	5	6	18					24
FYV4-280-29Z	180			280	6×40				M5								190								29
FYV4-320-33Z	212			320	7×40												214								33
FYV4-360-38Z	232			360	8×40												244								38
FYV4-400-43Z	252			400	9×40												274								43
FYV6-100-6Z	65			30	15	100	1×50												67.5						
FYV6-150-10Z	105	150	2×50															97.5			10				
FYV6-200-14Z	145	200	3×50															127.5			14				
FYV6-250-19Z	163	250	4×50															168.5			19				
FYV6-300-23Z	196	300	5×50															202			23				
FYV6-350-28Z	221	350	6×50			25	14	6	Φ6.4	10	6.2	3.5	6				239.5	4.5	7.5	28.5	28				
FYV6-400-32Z	261	400	7×50						M6								269.5				32				
FYV6-450-37Z	286	450	8×50														307				37				
FYV6-500-41Z	326	500	9×50														337				41				
FYV6-550-47Z	336	550	10×50														382				47				
FYV6-600-51Z	376	600	11×50												412				51						
FYV9-200-9Z	130	40	20	200	1×100												135.4			9	-10	4.31	4.36	3.2	
FYV9-300-15Z	195			300	2×100													202.6							15
FYV9-400-22Z	238			400	3×100													281							22
FYV9-500-27Z	304			500	4×100													348							27
FYV9-600-33Z	370			600	5×100	50	18.9	8	Φ7	11	7.5	4	9				415.2	6.5	11.2	44					33
FYV9-700-39Z	435			700	6×100				M8								482.4								39
FYV9-800-46Z	478			800	7×100												560.8								46
FYV9-900-52Z	544			900	8×100												628								52
FYV9-1000-58Z	610			1000	9×100												695.2								58

Installation Instruction of Anti-creep Cross Roller Guide Rail

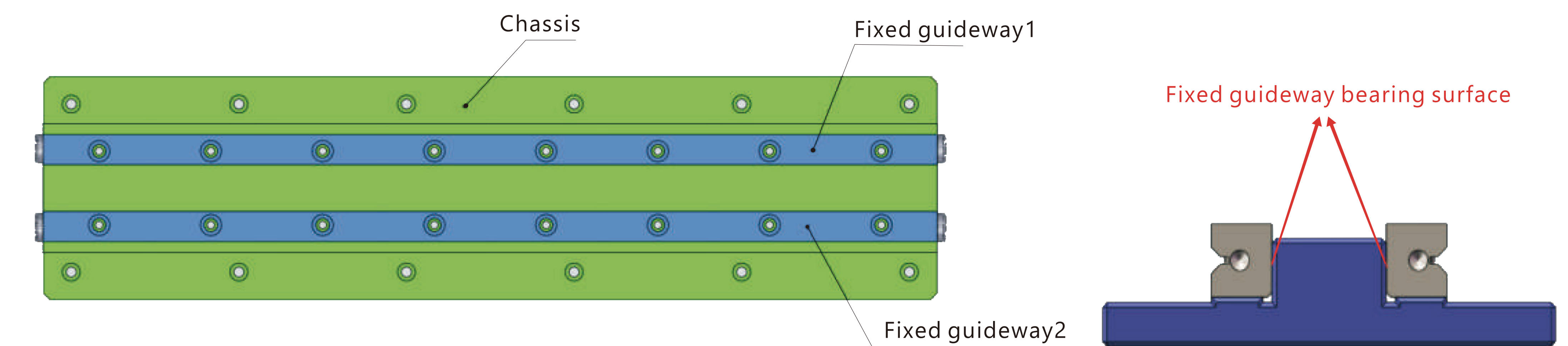
防蠕动型交叉滚柱导轨副安装说明

1 Remove the burrs and defects on the installation base surface of the workbench and base, and pay attention not to mix with foreign matters during the assembly process.

2 Coating low viscosity oil, and attaching the lateral side of guide rail to the lateral side of raised step, then adjusting the precision and tightening the screw. (Install the fixing guide rails on both sides of the boss base as shown in the figure

1、清除工作台、底座安装基面的毛刺、瑕疵等，注意在组装过程中不要混入异物。

2、在各个安装基准面上涂上低粘度的油，将两根导轨侧面靠紧基座凸台两侧，调整精度，锁紧螺丝。（如下图示，安装凸台底座的两侧的固定导轨）。



3 Return the cage.

3.1 Putting the anti-creep gear cage to the fixed guide rail. The end of cage must parallel with the end of guide rail.

3.2 Make sure the end of moving guide rail parallel with the other end. The moving rail and the gear together to touch the fixed rail. Shaking the moving rail slightly, in order to make sure the gear in cage touching to the gear in guide rail.

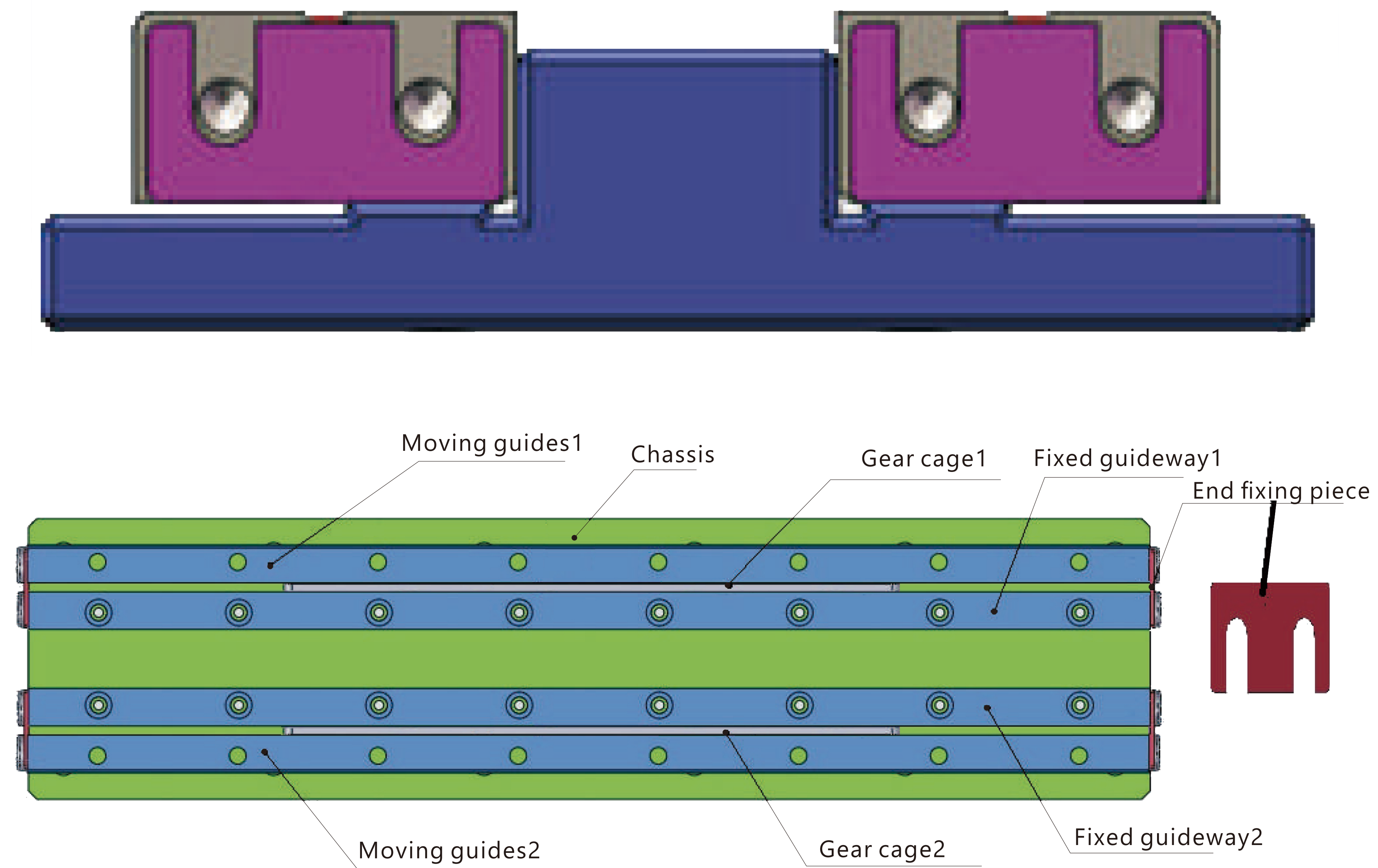
3.3 Then move the moving rail to the left end of the fixed rail until two ends paralleled. Then the cage will be in the middle of two rails. Put double U fixed plate at the end of two rails. Fix the two rails and cages by end screws. This method is suitable for returning the other side cages.

3、保持架归位。

3.1、将防蠕动齿轮保持架放置在固定导轨上，使保持架一端与固定导轨端面平齐；

3.2、放置移动导轨使端头与齿轮保持架的另一端面对齐，移动导轨与齿轮保持架同时压靠向固定导轨，并左右微量晃动移动导轨，以确保保持架上的齿轮与两根导轨上的齿条完全啮合。

3.3、然后将移动导轨向固定导轨左端头方向移动，直至移动到两根导轨两端头平齐，以上操作可使保持架正好位于两根导轨的正中间位置。随后，在两根导轨两端头加装双U型固定片，用端头螺钉将两根导轨与保持架固定起来。另一侧的保持架归位方法与本侧相同。



4 Installing the work table, cover the working table to the moving rail and attach the screws loosely on the working table and moving rail. After installing the adjusting upper screw on the lateral of working table, we can adjust the prepressing upper screw with proper stress, and then fasten the lateral rail of working table. Remove the fixed plate on the end of rail and fasten the end screws. Install the clock style dial indicator in the middle and lateral of working table.

- ① Move the worktable to the end of the stroke in one side direction, and slightly tighten the adjusting screw at the adjusting end of the worktable.
- ② Move the workbench to the end of the stroke in the opposite direction, and tighten the adjusting screw slightly.
- ③ Return the worktable to the center, and slightly tighten the adjusting screw in the center.

Repeat the operations of ① ② ③ until there is no clearance on the workbench. When there is no clearance, the deviation of the clock type dial indicator installed on the left and right moving worktable is the minimum value, and there is no change. At this time, be careful not to apply too much preload. After adjusting the pre pressing jackscrew, firmly fasten the fixing screws on the moving guide rail at the

Now we finish the installation of the fixed rail and moving rail.

This method can also apply to XY two-dimensional working table.

4、安装移动工作台，将工作台扣在移动导轨上，带上工作台与移动导轨上的固定螺钉(不要拧紧)。工作台预压侧面装上调节顶丝后调整预压顶丝(注意不要过分施加预压)，紧固工作台基准侧的导轨。拆掉导轨端头的固定片，然后紧固端头螺钉。将钟表式千分表安装至工作台的中心和侧面(基准面侧)。

- ①将工作台向一侧方向的行程尾端移动，轻轻紧固工作台调整端的调整螺钉。
- ②将工作台向反方向的行程尾端移动，同样轻轻紧固调整螺钉。
- ③将工作台返回中央部位，轻轻紧固中央部位的调整螺钉。

重复上述①②③三个步骤的操作直至工作台没有间隙。没有间隙时，左右移动工作台则所安装的钟表式千分表的偏差为最小值，且无变化。此时，注意不要过分施加预压。调整好预压顶丝后，将调整端移动导轨上的固定螺钉牢靠紧固。

至此，完成底座固定导轨及工作台移动导轨的整体装配!

如有XY整体二维移动工作台，其固定导轨及移动导轨安装方法同上所述!