



MSA Seires - Heavy Load Type

Preload Grade

The prelaod grade of MSA series is represented by radial clearance which is divided into three grades; light (FC), medium (F0) and heavy (F1)

Unit: μm

Model No.	Preload		
	Light FC	Medium F0	Heavy F1
MSA 15	-4 ~ +2	-12 ~ -4	-
MSA 20	-5 ~ +2	-14 ~ -5	-12 ~ -14
MSA 25	-6 ~ +3	-16 ~ -6	-26 ~ -16
MSA 30	-7 ~ +4	-19 ~ -7	-31 ~ -19
MSA 35	-8 ~ +4	-22 ~ -8	-35 ~ -22
MSA 45	-10 ~ +5	-25 ~ -10	-40 ~ -25
MSA 55	-12 ~ +5	-29 ~ -12	-46 ~ -29
MSA 65	-14 ~ +7	-32 ~ -14	-50 ~ -32

Rigidity Value

	Model No.		Preload (N/ μm)		
			Light FC	Medium F0	Heavy F1
Heavy Load Type	MSA 15	A, E, S	222	321	-
	MSA 20	A, E, S	262	429	507
	MSA 25	A, E, S	309	491	575
	MSA 30	A, E, S	347	615	718
	MSA 35	A, E, S	399	702	822
	MSA 45	A, E, S	518	892	1042
	MSA 55	E, S	631	1077	1260
	MSA 65	E, S	772	1363	1592
Ultra Heavy Load Type	MSA 20	LA, LE, LS	343	595	697
	MSA 25	LA, LE, LS	375	663	774
	MSA 30	LA, LE, LS	455	803	938
	MSA 35	LA, LE, LS	533	929	1087
	MSA 45	LA, LE, LS	681	1170	1369
	MSA 55	LE, LS	827	1414	1654
	MSA 65	LE, LS	1031	1809	2117