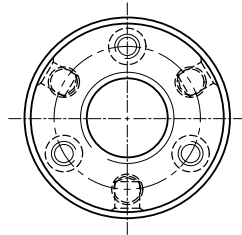
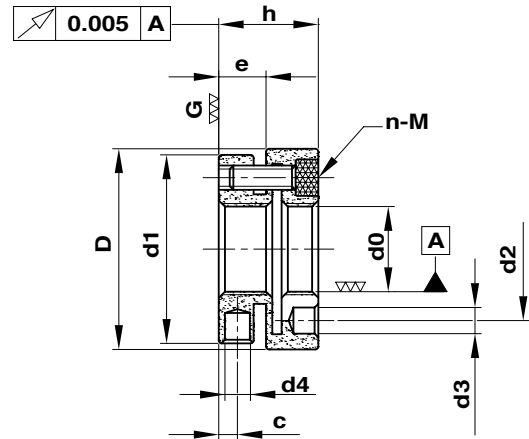


MKR SERIES-AXIAL LOCKING



MKR10-MKR15



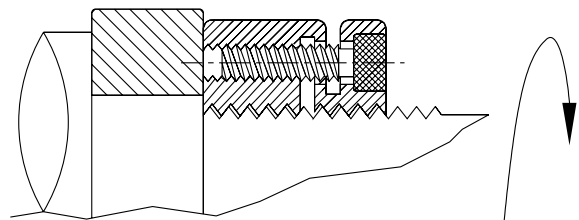
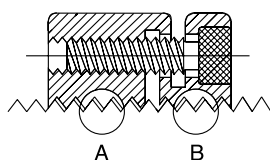
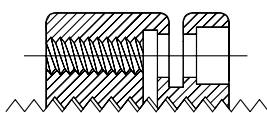
- Material : JIS SCM440 / DIN42CrMo4
- Hardness : HRC28-32
- Threads with axial run-out : 0.005mm
- The connecting face is produced by a high precision grinding process.

Order No.	Dimensions in mm									Helical Angle	Clamping Screw Data	
Name	d0_ISO 4H	D	h	e	d1	d2	d3	d4	c		n-M	Max. Torque_Nm
MKR10X0.75P	M10X0.75	24	14	6.6	22	17	3.2	2.5	3	1.44	3-M3X10	3
MKR10X1.0P	M10X1	24	15	6.6	22	17	3.2	2.5	3	1.95	3-M3X10	3
MKR12X1.0P	M12X1	26	14	6.6	25	19	3.2	3	3	1.61	3-M3X10	3
MKR12X1.5P	M12X1.5	26	15	6.6	25	19	3.2	3	3	2.48	3-M3X10	3
MKR14X1.5P	M14X1.5	32	16	7.6	30	22.5	4.3	4	3	2.10	3-M4X10	5.5
MKR15X1.0P	M15X1	33	16	7.6	31	23.5	4.3	4	3	1.27	3-M4X10	5.5
MKR16X1.5P	M16X1.5	34	18	-	-	24.5	4.3	4	5	1.82	4-M4X12	5.5
MKR17X1.0P	M17X1	35	18	-	-	25.5	4.3	4	5	1.21	4-M4X12	5.5
MKR18X1.5P	M18X1.5	36	18	-	-	26.5	4.3	4	5	1.61	4-M4X12	5.5
MKR20X1.0P	M20X1	40	18	-	-	30.5	4.3	4	5	0.94	4-M4X12	5.5
MKR20X1.5P	M20X1.5	40	18	-	-	30.5	4.3	4	5	1.44	4-M4X12	5.5
MKR22X1.5P	M22X1.5	40	18	-	-	30.5	4.3	4	5	1.30	4-M4X12	5.5
MKR24X1.5P	M24X1.5	42	18	-	-	32.5	4.3	4	5	1.19	4-M4X12	5.5
MKR25X1.5P	M25X1.5	45	20	-	-	36.5	4.3	5	6.5	1.14	4-M4X14	5.5
MKR26X1.5P	M26X1.5	45	20	-	-	36.5	4.3	5	6.5	1.09	4-M4X14	5.5
MKR28X1.5P	M28X1.5	46	20	-	-	38.5	4.3	5	6.5	1.01	4-M4X14	5.5
MKR30X1.5P	M30X1.5	48	20	-	-	40.5	4.3	5	6.5	0.94	4-M4X14	5.5
MKR32X1.5P	M32X1.5	50	22	-	-	42.5	4.3	5	7	0.88	4-M4X16	5.5
MKR35X1.5P	M35X1.5	53	22	-	-	45.5	4.3	5	7	0.80	4-M4X16	5.5
MKR38X1.5P	M38X1.5	58	22	-	-	48.5	4.3	5	7	0.74	4-M4X16	5.5
MKR40X1.5P	M40X1.5	58	22	-	-	50.5	4.3	5	7	0.70	4-M4X16	5.5
MKR42X1.5P	M42X1.5	60	22	-	-	52.5	4.3	5	7	0.67	4-M4X16	5.5
MKR45X1.5P	M45X1.5	68	22	-	-	58	4.3	6	6.5	0.62	6-M4X16	5.5
MKR48X1.5P	M48X1.5	68	25	-	-	59.5	4.3	6	9	0.58	6-M4X18	5.5
MKR50X1.5P	M50X1.5	70	25	-	-	61.5	4.3	6	9	0.56	6-M4X18	5.5
MKR52X1.5P	M52X1.5	72	25	-	-	63.5	4.3	6	9	0.54	6-M4X18	5.5
MKR55X1.5P	M55X1.5	75	25	-	-	66.5	4.3	6	9	0.51	6-M4X18	5.5
MKR55X2.0P	M55X2	75	25	-	-	66.5	4.3	6	9	0.68	6-M4X18	5.5

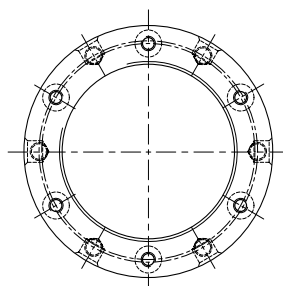
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2.

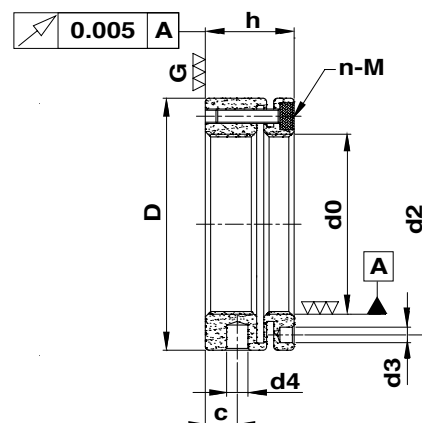
3.



MKR SERIES-AXIAL LOCKING



MKR16-MKR200



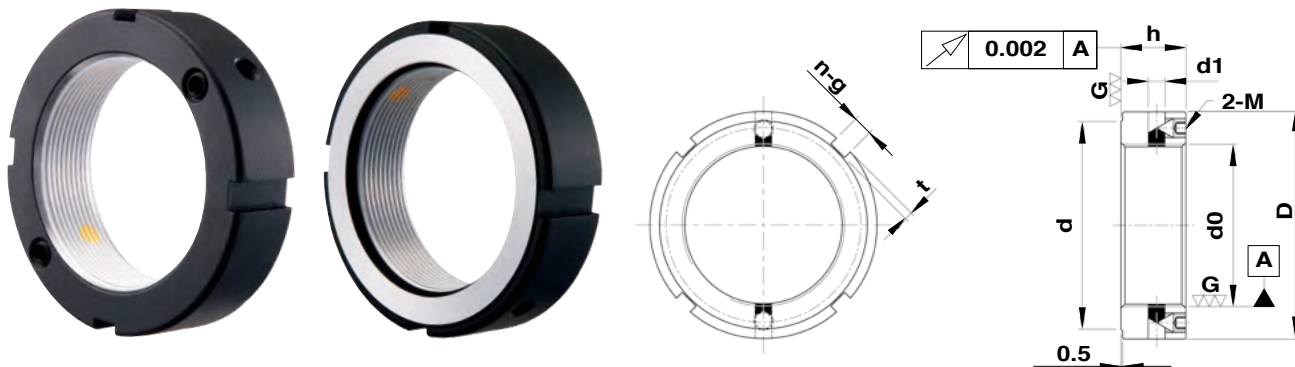
- Material : JIS SCM440 / DIN42CrMo4
- Hardness : HRC28-32
- Threads with axial run-out : 0.005mm
- The connecting face is produced by a high precision grinding process.

Order No.	Dimensions in mm									Helical Angle	Clamping Screw Data	
Name	d0_ISO 4H	D	h	e	d1	d2	d3	d4	c		n-M	Max. Torque_Nm
MKR58X1.5P	M58X1.5	82	26	-	-	72.5	5.3	6	9	0.48	6-M5X18	9
MKR60X1.5P	M60X1.5	84	26	-	-	74.5	5.3	6	9	0.46	6-M5X18	9
MKR60X2.0P	M60X2	84	26	-	-	74.5	5.3	6	9	0.62	6-M5X18	9
MKR62X1.5P	M62X1.5	86	28	-	-	76.5	5.3	6	10.5	0.45	6-M5X20	9
MKR65X1.5P	M65X1.5	88	28	-	-	78.5	5.3	6	10.5	0.43	6-M5X20	9
MKR65X2.0P	M65X2	88	28	-	-	78.5	5.3	6	10.5	0.57	6-M5X20	9
MKR68X1.5P	M68X1.5	95	28	-	-	83	5.3	8	9.5	0.41	6-M5X20	9
MKR70X1.5P	M70X1.5	95	28	-	-	85	5.3	8	9.5	0.40	6-M5X20	9
MKR70X2.0P	M70X2	95	28	-	-	85	5.3	8	9.5	0.53	6-M5X20	9
MKR72X1.5P	M72X1.5	98	28	-	-	86	6.4	8	8.5	0.39	6-M6X20	12
MKR75X1.5P	M75X1.5	100	28	-	-	88	6.4	8	8.5	0.37	6-M6X20	12
MKR75X2.0P	M75X2	100	28	-	-	88	6.4	8	8.5	0.50	6-M6X20	12
MKR80X2.0P	M80X2	110	32	-	-	95	6.4	8	11	0.46	6-M6X20	12
MKR85X2.0P	M85X2	115	32	-	-	100	6.4	8	11	0.44	6-M6X20	12
MKR90X2.0P	M90X2	120	32	-	-	108	6.4	8	11	0.41	6-M6X20	12
MKR95X2.0P	M95X2	125	32	-	-	113	6.4	8	11	0.39	6-M6X20	12
MKR100X2.0P	M100X2	130	32	-	-	118	6.4	8	11	0.37	6-M6X20	12
MKR105X2.0P	M105X2	135	32	-	-	123	6.4	8	11	0.35	6-M6X20	12
MKR110X2.0P	M110X2	140	32	-	-	128	6.4	8	11	0.34	6-M6X20	12
MKR115X2.0P	M115X2	145	36	-	-	133	6.4	8	13	0.32	6-M6X25	12
MKR120X2.0P	M120X2	155	36	-	-	140	6.4	8	13	0.31	6-M6X25	12
MKR125X2.0P	M125X2	160	36	-	-	148	6.4	8	13	0.29	6-M6X25	12
MKR130X3.0P	M130X3	165	36	-	-	153	6.4	8	13	0.43	6-M6X25	12
MKR140X3.0P	M140X3	180	36	-	-	165	6.4	10	12	0.40	8-M6X25	12
MKR150X3.0P	M150X3	190	36	-	-	175	6.4	10	12	0.37	8-M6X25	12
MKR160X3.0P	M160X3	205	40	-	-	185	8.4	10	14	0.35	8-M8X30	25.5
MKR170X3.0P	M170X3	215	40	-	-	195	8.4	10	14	0.33	8-M8X30	25.5
MKR180X3.0P	M180X3	230	40	-	-	210	8.4	10	14	0.31	8-M8X30	25.5
MKR190X3.0P	M190X3	240	40	-	-	224	8.4	10	14	0.29	8-M8X30	25.5
MKR200X3.0P	M200X3	245	40	-	-	229	8.4	10	14	0.28	8-M8X30	25.5

- When ordering above products, please refer to the Name.
- If a left hand thread is required, please notify "L" after the Name.
- If an inch thread is required, please notify "U" after the Name.

For example: MKR30x1.5P
 For example: MKR30x1.5P-L
 For example: MKR30-U18

MA SERIES-AXIAL LOCKING



- Material : JIS SCM440 / DIN42CrMo4
- Hardness : HRC28-32
- Threads with axial run-out : 0.002mm
- The connecting face and thread area are all produced by a high precision grinding process.

Order No.	Dimensions in mm								Set Screw Data	
Name	d0_ISO 4H	D	h	d	n	g	t	d1	2-M	Max .Torque_Nm
MA17X1.0P	M17X1	28	15	23	4	4	2	3.5	M4	2.2
MA20X1.0P	M20X1	32	15	27	4	4	2	3.5	M4	2.2
MA25X1.5P	M25X1.5	38	17	33	4	5	2	4.5	M5	4.8
MA30X1.5P	M30X1.5	45	17	40	4	5	2	4.5	M5	4.8
MA35X1.5P	M35X1.5	52	17	47	4	5	2	4.5	M5	4.8
MA40X1.5P	M40X1.5	58	19	52	4	6	2.5	5.2	M6	8
MA45X1.5P	M45X1.5	65	19	59	4	6	2.5	5.2	M6	8
MA50X1.5P	M50X1.5	70	19	64	4	6	2.5	5.2	M6	8
MA55X2.0P	M55X2	75	21	68	4	7	3	5.2	M6	8
MA60X2.0P	M60X2	80	21	73	4	7	3	5.2	M6	8
MA65X2.0P	M65X2	85	21	78	4	7	3	5.2	M6	8
MA70X2.0P	M70X2	92	23	85	4	8	3.5	7	M8	19
MA75X2.0P	M75X2	98	23	90	4	8	3.5	7	M8	19
MA80X2.0P	M80X2	105	23	95	4	8	3.5	7	M8	19
MA85X2.0P	M85X2	110	23	102	4	8	3.5	7	M8	19
MA90X2.0P	M90X2	120	25	108	4	10	4	7	M8	19
MA95X2.0P	M95X2	125	25	113	4	10	4	7	M8	19
MA100X2.0P	M100X2	130	25	120	4	10	4	7	M8	19
MA105X2.0P	M105X2	140	27	126	4	12	5	8.7	M10	36
MA110X2.0P	M110X2	145	27	133	4	12	5	8.7	M10	36
MA115X2.0P	M115X2	150	27	137	4	12	5	8.7	M10	36
MA120X2.0P	M120X2	155	29	138	4	12	5	8.7	M10	36
MA125X2.0P	M125X2	160	29	148	4	12	5	8.7	M10	36
MA130X2.0P	M130X2	165	29	149	4	12	5	8.7	M10	36
MA135X2.0P	M135X2	175	31	160	4	14	6	10.7	M12	56
MA140X2.0P	M140X2	180	31	160	4	14	6	10.7	M12	56
MA145X2.0P	M145X2	190	31	172	4	14	6	10.7	M12	56
MA150X2.0P	M150X2	195	31	171	4	14	6	10.7	M12	56
MA160X3.0P	M160X3	210	33	182	4	16	7	10.7	M12	56
MA170X3.0P	M170X3	220	33	193	4	16	7	10.7	M12	56
MA180X3.0P	M180X3	230	35	203	4	18	8	10.7	M12	56
MA190X3.0P	M190X3	240	35	214	4	18	8	10.7	M12	56
MA200X3.0P	M200X3	250	37	226	4	18	8	10.7	M12	56

- When ordering above products, please refer to the Name.
- If a left hand thread is required, please notify "L" after the Name.
- If an inch thread is required, please notify "U" after the Name.

For example: MA30x1.5P
 For example: MA30x1.5P-L
 For example: MA30-U18