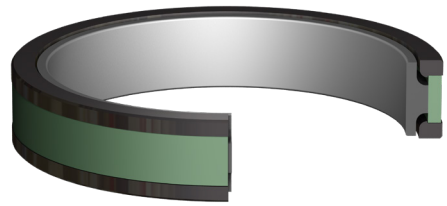


METRIC CAPPED GT - (4 PC.) PISTON SEAL

Metric Capped GT Rings are a heavy duty double-acting piston seal assembly. They are made to special sizes found in OEM cylinders, including Caterpillar®. Each piston set consists of a rubber expander, filled PTFE seal, and two Nylon® anti-extrusion rings. Capped GT Rings have excellent sealability; extrusion and wear resistance. Metric Capped GT Piston Seal assemblies are offered in Standard and Narrow width.

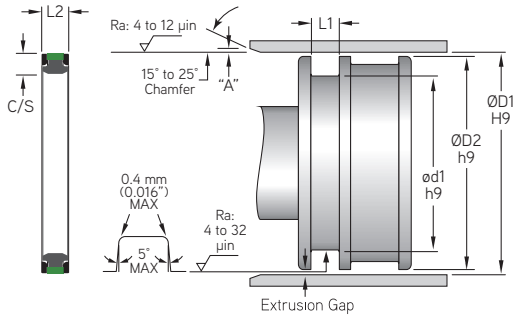


STD = Standard Width



NRW = Narrow Width





MFP PART NUMBER

MCGT-025x015x08.0AN01T11N

SEAL TYPE | ØD1 | ød1 | L1 | SERIES | EXPANDER | CAP | BACK-UP RINGS

The standard materials for this seal are:
*Expander: **N22** Cap: **T51 or U61** Back-Up: **N***

Series - Defines C/S X H
A, B, C, D - Standard Metric
E, F, G, H, J - Narrow Metric
S - Special / Custom (SPL)

Expander Material
***N01** N6001 Nitrile 70A*
***N22** N6022 Nitrile70A LT*
***N21** N6021 HNBR 80A*
***V50** V7150 FKM 70A*

Cap Material
***T51** T5100 Bronze filled PTFE (Green)*
***T11** T1100 15% Glass, 5% Moly filled PTFE (Blue Gray)*
***U61** U2161 Ultraflex TPU 60D (Dark Gray)*

Back-Up Material
***A** M1001 Acetal*
***N** M1030 Nylon MoS2*
***P** M1000 PEEK*

Pressure: 500 bar (7,500 psi) **Max. Velocity:** 1.5 m/s (5 ft./s)

MFP PART NUMBER	PISTON APPLICATION ØD1	ød1	L1	C/S	Style
TOLERANCE	H9	h9	+0.2		
MCGT-025x015x08.0AN22T51N	25	15	8.0	5	STD
MCGT-032x022x08.0AN22T51N	32	22	8.0	5	STD
MCGT-040x030x08.0AN22T51N	40	30	8.0	5	STD
MCGT-050X040X08.0AN22T51N	50	40	8.0	5	STD
MCGT-050X036X09.0EN22T51N	50	36	9.0	7	NRW
MCGT-056x046x09.0AN22T51N	56	46	9.0	5	STD
MCGT-060X046X09.0EN22T51N	60	46	9.0	7	NRW
MCGT-063X053X08.0AN22T51N	63	53	8.0	5	STD
MCGT-063X048X11.0FN22T51N	63	48	11.0	7.5	NRW
MCGT-065X051X09.0EN22T51N	65	51	9.0	7	NRW
MCGT-065X050X11.0FN22T51N	65	50	11.0	7.5	NRW
MCGT-070X060X08.0AN22T51N	70	60	8.0	5	STD
MCGT-070X055X12.5BN22T51N	70	55	12.5	7.5	STD
MCGT-070X055X11.0FN22T51N	70	55	11.0	7.5	NRW
MCGT-075X060X11.0FN22T51N	75	60	11.0	7.5	NRW
MCGT-075X063X09.1SN22T51N	75	63	9.1	6	SPL
MCGT-080X065X12.0BN22T51N	80	65	12.0	7.5	STD
MCGT-080X065X11.0FN22T51N	80	65	11.0	7.5	NRW
MCGT-085X070X11.0FN22T51N	85	70	11.0	7.5	NRW
MCGT-090X075X12.0BN22T51N	90	75	12.0	7.5	STD
MCGT-090X075X11.0FN22T51N	90	75	11.0	7.5	NRW
MCGT-090X075X13.0SN22T51N	90	75	13.0	7.5	SPL

MAXIMUM E-GAP

SERIES A - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.43
400	0.28
690	0.15

SERIES B - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.66
400	0.41
690	0.23

SERIES E - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.51
400	0.33
690	0.18

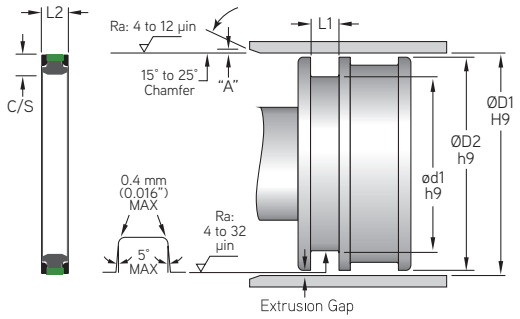
SERIES F - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.61
400	0.38
690	0.23

Metric Capped GT - (4 PC.) Piston Seal

A product of MFP Seals.

MFP SEALS
www.mfpseals.com



MFP PART NUMBER	PISTON APPLICATION ØD1	ød1	L1	C/S	Style
TOLERANCE	H9	h9	+0.2		
MCGT-095X080X11.0FN22T51N	95	80	11.0	7.5	NRW
MCGT-095X080X12.5GN22T51N	95	80	12.5	7.5	NRW
MCGT-100X085X12.5GN22T51N	100	85	12.5	7.5	NRW
MCGT-105X090X12.5GN22T51N	105	90	12.5	7.5	NRW
MCGT-110X095X12.5GN22T51N	110	95	12.5	7.5	NRW
MCGT-115X100X12.5GN22T51N	115	100	12.5	7.5	NRW
MCGT-120X100X16.0CN22T51N	120	100	16.0	10	STD
MCGT-120X105X12.5GN22T51N	120	105	12.5	7.5	NRW
MCGT-125X105X16.0CN22T51N	125	105	16.0	10	STD
MCGT-125X102X16.0HN22T51N	125	102	16.0	11.5	NRW
MCGT-130X110X16.0CN22T51N	130	110	16.0	10	STD
MCGT-130X107X16.0HN22T51N	130	107	16.0	11.5	NRW
MCGT-135X112X16.0HN22T51N	135	112	16.0	11.5	NRW
MCGT-140X120X16.0CN22T51N	140	120	16.0	10	STD
MCGT-140X117X16.0HN22T51N	140	117	16.0	11.5	NRW
MCGT-140X120X19.0SN22T51N	140	120	19.0	10	SPL
MCGT-145X122X16.0HN22T51N	145	122	16.0	11.5	NRW
MCGT-150X127X16.0HN22T51N	150	127	16.0	11.5	NRW
MCGT-150X130X19.0SN22T51N	150	130	19.0	10	SPL
MCGT-160X140X16.0CN22T51N	160	140	16.0	10	STD
MCGT-160X137X16.0HN22T51N	160	137	16.0	11.5	NRW
MCGT-160X140X19.0SN22T51N	160	140	19.0	10	SPL
MCGT-165X142X16.0HN22T51N	165	142	16.0	11.5	NRW
MCGT-170X147X16.0HN22T51N	170	147	16.0	11.5	NRW
MCGT-180X160X16.0CN22T51N	180	160	16.0	10	STD
MCGT-180X165X12.5GN22T51N	180	165	12.5	7.5	NRW
MCGT-180X157X16.0HN22T51N	180	157	16.0	11.5	NRW
MCGT-185X162X16.0HN22T51N	185	162	16.0	11.5	NRW
MCGT-190X167X16.0HN22T51N	190	167	16.0	11.5	NRW
MCGT-200X177X16.0HN22T51N	200	177	16.0	11.5	NRW
MCGT-210X187X16.0HN22T51N	210	187	16.0	11.5	NRW
MCGT-220X197X16.0HN22T51N	220	197	16.0	11.5	NRW
MCGT-225X202X16.0HN22T51N	225	202	16.0	11.5	NRW
MCGT-230X207X16.0HN22T51N	230	207	16.0	11.5	NRW
MCGT-240X217X16.0HN22T51N	240	217	16.0	11.5	NRW
MCGT-250X222X17.5GN22T51N	250	222	17.5	14	NRW
MCGT-260X232X17.5GN22T51N	260	232	17.5	14	NRW
MCGT-280X252X17.5GN22T51N	280	252	17.5	14	NRW
MCGT-300X272X17.5GN22T51N	300	272	17.5	14	NRW
MCGT-300X272X17.5SN22T51N	300	272	17.5	14	SPL

MAXIMUM E-GAP

SERIES C - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.89
400	0.56
690	0.33

SERIES F - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.61
400	0.38
690	0.23

SERIES G - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.71
400	0.43
690	0.25

SERIES H - MAX E-GAP AT PRESSURE (AT 80°C)

PRESSURE (bar)	E-MAX (mm)
250	0.86
400	0.53
690	0.3

Compound information available on pages 20-37.

Surface Finish: ISO 4287 & Chamfer Information on pages 7-9.
For ISO tolerance charts, refer to pages 12-13.