

# Metric Back-Up Rings

A product of MFP Seals.

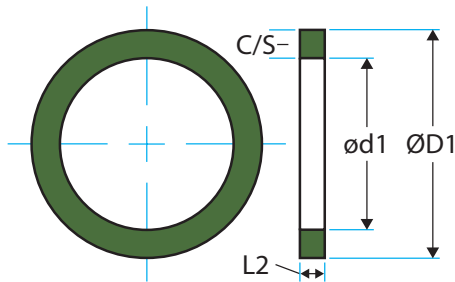
**MBTU**

## METRIC BACK-UP RINGS

MFP Seals Back-Up Rings are installed on the downstream side of an U-Cup to help prevent premature failure and leakage. If the sealing ring can not resist increasingly higher pressure, part of the seal will be forced into the diametrical gap. Back-Up Rings are used to block the clearance gap and provide support for the seal in either Rod or Piston applications.



The standard compound for this Back-Up Ring is T5100.  
Other compounds are available.



### MFP PART NUMBER

**MBTU-20x30T5100**

SEAL TYPE      ød1      ØD1      COMPOUND

Compound Name	Designation	Hardness	Color	Temperature Range
T5100	PTFE	58 Shore D	Green	-200°C to +260°C (-328°F to +500°F)

METRIC BACK-UP RINGS

MFP PART NUMBER	ROD OR PISTON APPLICATION		
	ød1	ØD1	L2
MBTU-20X30X2T5100	20.00	30.00	2.00
MBTU-20X33X2T5100	20.00	33.00	2.00
MBTU-22X30X2T5100	22.00	30.00	2.00
MBTU-22X33X2T5100	22.00	33.00	2.00
MBTU-22X35X2T5100	22.00	35.00	2.00
MBTU-22.4X30X2T5100	22.40	30.00	2.00
MBTU-22.4X33X2T5100	22.40	33.00	2.00
MBTU-23.5X31.5X2T5100	23.50	31.50	2.00
MBTU-24X32X2T5100	24.00	32.00	2.00
MBTU-25X33X2T5100	25.00	33.00	2.00
MBTU-25X33X3T5100	25.00	33.00	3.00
MBTU-25X35X3T5100	25.00	35.00	3.00
MBTU-27X40X3T5100	27.00	40.00	3.00
MBTU-28X35.5X3T5100	28.00	35.50	3.00
MBTU-28X36X3T5100	28.00	36.00	3.00
MBTU-28X40X3T5100	28.00	40.00	3.00
MBTU-28X41X3T5100	28.00	41.00	3.00
MBTU-30X40X3T5100	30.00	40.00	3.00
MBTU-31.5X41.5X3T5100	31.50	41.50	3.00
MBTU-31.5X44.5X3T5100	31.50	44.50	3.00
MBTU-32X38X3T5100	32.00	38.00	3.00
MBTU-32X42X3T5100	32.00	42.00	3.00

MFP PART NUMBER	ROD OR PISTON APPLICATION		
	C/S	ID	THK
MBTU-32X48X3T5100	32.00	48.00	3.00
MBTU-34X50X3T5100	34.00	50.00	3.00
MBTU-35X45X3T5100	35.00	45.00	3.00
MBTU-35X50X3T5100	35.00	50.00	3.00
MBTU-35.5X45X3T5100	35.50	45.00	3.00
MBTU-35.5X51.5X3T5100	35.50	51.50	3.00
MBTU-36X46X3T5100	36.00	46.00	3.00
MBTU-40X50X3T5100	40.00	50.00	3.00
MBTU-40X55X3T5100	40.00	55.00	3.00
MBTU-40X56X3T5100	40.00	56.00	3.00
MBTU-45X55X3T5100	45.00	55.00	3.00
MBTU-45X56X3T5100	45.00	56.00	3.00
MBTU-45X60X3T5100	45.00	60.00	3.00
MBTU-47X61X3T5100	47.00	61.00	3.00
MBTU-47X63X3T5100	47.00	63.00	3.00
MBTU-48X63X3T5100	48.00	63.00	3.00
MBTU-50X60X3T5100	50.00	60.00	3.00
MBTU-50X63X3T5100	50.00	63.00	3.00
MBTU-50X65X3T5100	50.00	65.00	3.00
MBTU-50X70X3T5100	50.00	70.00	3.00
MBTU-53X63X3T5100	53.00	63.00	3.00
MBTU-54X60X3T5100	54.00	60.00	3.00
MBTU-55X65X3T5100	55.00	65.00	3.00
MBTU-55X68X3T5100	55.00	68.00	3.00
MBTU-55X70X3T5100	55.00	70.00	3.00
MBTU-55X71X3T5100	55.00	71.00	3.00
MBTU-55X75X3T5100	55.00	75.00	3.00
MBTU-60X70X3T5100	60.00	70.00	3.00
MBTU-60X71X3T5100	60.00	71.00	3.00
MBTU-60X73X3T5100	60.00	73.00	3.00
MBTU-60X75X3T5100	60.00	75.00	3.00
MBTU-60X76X3T5100	60.00	76.00	3.00
MBTU-60X80X3T5100	60.00	80.00	3.00
MBTU-61X71X3T5100	61.00	71.00	3.00
MBTU-63X73X3T5100	63.00	73.00	3.00
MBTU-64X80X3T5100	64.00	80.00	3.00
MBTU-65X75X3T5100	65.00	75.00	3.00
MBTU-65X78X3T5100	65.00	78.00	3.00
MBTU-65X80X3T5100	65.00	80.00	3.00
MBTU-65X85X3T5100	65.00	85.00	3.00
MBTU-67X77X3T5100	67.00	77.00	3.00
MBTU-70X80X3T5100	70.00	80.00	3.00
MBTU-70X83X3T5100	70.00	83.00	3.00
MBTU-70X85X3T5100	70.00	85.00	3.00
MBTU-70X90X3T5100	70.00	90.00	3.00
MBTU-71X80X3T5100	71.00	80.00	3.00
MBTU-71X81X3T5100	71.00	81.00	3.00

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MFP PART NUMBER	ROD OR PISTON APPLICATION		
	C/S	ID	THK
MBTU-75X85X3T5100	75.00	85.00	3.00
MBTU-75X88X3T5100	75.00	88.00	3.00
MBTU-75X90X3T5100	75.00	90.00	3.00
MBTU-75X95X3T5100	75.00	95.00	3.00
MBTU-80X90X3T5100	80.00	90.00	3.00
MBTU-80X93X3T5100	80.00	93.00	3.00
MBTU-80X95X3T5100	80.00	95.00	3.00
MBTU-80X100X3T5100	80.00	100.00	3.00
MBTU-85X100X2T5100	85.00	100.00	2.00
MBTU-85X100X3T5100	85.00	100.00	3.00
MBTU-85X105X3T5100	85.00	105.00	3.00
MBTU-90X105X3T5100	90.00	105.00	3.00
MBTU-90X110X3T5100	90.00	110.00	3.00
MBTU-95X105X3T5100	95.00	105.00	3.00
MBTU-95X110X3T5100	95.00	110.00	3.00
MBTU-95X115X3T5100	95.00	115.00	3.00
MBTU-100X115X3T5100	100.00	115.00	3.00
MBTU-100X120X3T5100	100.00	120.00	3.00
MBTU-100X125X3T5100	100.00	125.00	3.00
MBTU-105X120X3T5100	105.00	120.00	3.00
MBTU-105X125X3T5100	105.00	125.00	3.00
MBTU-106X120X3T5100	106.00	120.00	3.00
MBTU-106X123X3T5100	106.00	123.00	3.00
MBTU-110X125X3T5100	110.00	125.00	3.00
MBTU-110X130X3T5100	110.00	130.00	3.00
MBTU-112X125X3T5100	112.00	125.00	3.00
MBTU-112X132X3T5100	112.00	132.00	3.00
MBTU-115X130X3T5100	115.00	130.00	3.00
MBTU-115X135X3T5100	115.00	135.00	3.00
MBTU-120X135X3T5100	120.00	135.00	3.00
MBTU-120X140X3T5100	120.00	140.00	3.00
MBTU-125X140X3T5100	125.00	140.00	3.00
MBTU-125X150X3T5100	125.00	150.00	3.00
MBTU-130X145X3T5100	130.00	145.00	3.00
MBTU-130X150X3T5100	130.00	150.00	3.00
MBTU-135X150X3T5100	135.00	150.00	3.00
MBTU-135X160X3T5100	135.00	160.00	3.00
MBTU-136X150X3T5100	136.00	150.00	3.00
MBTU-140X155X3T5100	140.00	155.00	3.00
MBTU-140X160X3T5100	140.00	160.00	3.00
MBTU-140X165X3T5100	140.00	165.00	3.00
MBTU-145X160X3T5100	145.00	160.00	3.00
MBTU-145X165X3T5100	145.00	165.00	3.00
MBTU-145X170X3T5100	145.00	170.00	3.00
MBTU-150X165X3T5100	150.00	165.00	3.00
MBTU-155X170X4T5100	155.00	170.00	4.00
MBTU-155X180X4T5100	155.00	180.00	4.00

MFP PART NUMBER	ROD OR PISTON APPLICATION		
	C/S	ID	THK
MBTU-160X175X4T5100	160.00	175.00	4.00
MBTU-160X180X4T5100	160.00	180.00	4.00
MBTU-160X185X4T5100	160.00	185.00	4.00
MBTU-165X180X4T5100	165.00	180.00	4.00
MBTU-170X180X4T5100	170.00	180.00	4.00
MBTU-170X190X4T5100	170.00	190.00	4.00
MBTU-170X200X4T5100	170.00	200.00	4.00
MBTU-175X190X4T5100	175.00	190.00	4.00
MBTU-175X200X4T5100	175.00	200.00	4.00
MBTU-180X200X4T5100	180.00	200.00	4.00
MBTU-180X205X4T5100	180.00	205.00	4.00
MBTU-190X200X4T5100	190.00	200.00	4.00
MBTU-190X210X4T5100	190.00	210.00	4.00
MBTU-200X220X4T5100	200.00	220.00	4.00
MBTU-200X225X4T5100	200.00	225.00	4.00
MBTU-204X224X4T5100	204.00	224.00	4.00
MBTU-205X220X4T5100	205.00	220.00	4.00
MBTU-205X225X4T5100	205.00	225.00	4.00
MBTU-210X230X4T5100	210.00	230.00	4.00
MBTU-220X240X4T5100	220.00	240.00	4.00
MBTU-225X245X4T5100	225.00	245.00	4.00
MBTU-225X250X4T5100	225.00	250.00	4.00
MBTU-230X250X4T5100	230.00	250.00	4.00
MBTU-240X260X4T5100	240.00	260.00	4.00
MBTU-250X270X4T5100	250.00	270.00	4.00
MBTU-250X275X4T5100	250.00	275.00	4.00
MBTU-255X280X4T5100	255.00	280.00	4.00
MBTU-260X285X4T5100	260.00	285.00	4.00
MBTU-265X290X4T5100	265.00	290.00	4.00
MBTU-265X297X4T5100	265.00	297.00	4.00
MBTU-270X295X4T5100	270.00	295.00	4.00
MBTU-270X300X4T5100	270.00	300.00	4.00
MBTU-275X300X4T5100	275.00	300.00	4.00
MBTU-280X305X4T5100	280.00	305.00	4.00
MBTU-280X312X4T5100	280.00	312.00	4.00
MBTU-290X315X4T5100	290.00	315.00	4.00
MBTU-300X325X4T5100	300.00	325.00	4.00
MBTU-300X332X4T5100	300.00	332.00	4.00

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