

■ **Features:** Simple endless connection is possible when cross section is hollow shape and by inserting a dedicated metal jointing parts. Can be replaced without disassembling the unit.

Open End (Hollow Type)



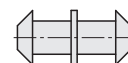
Type	Type	Color	Material	Heat Resistant Temperature
MBQ	Hollow Rope	Orange	Polyurethane	80°C
MBQC	Metal Joints for Hollow Ropes Joint Hardware	-	EN AW-5052 Equiv.	-

☞ MBQ satisfies the food and hygiene standard in accordance to the Notice No. 434 of Japanese Ministry of Health and Welfare.

MBQ



MBQC



Part Number	Type	d	L (Circumference Length) 1mm Increment	Minimum P.D. of Pulleys	5% Tensile Strength (N)	Applicable Clamp Plates Connecting Hardware Joint Hardware	Unit Price/m
MBQ	5	6	1~20	40	24.5	MBQC5	
	6			50	44.1	MBQC6	

Part Number	Type	d	Material	Unit Price per Package (10 pcs. /pkg.)
MBQC	5	6	EN AW-5052 Equiv.	
	6			

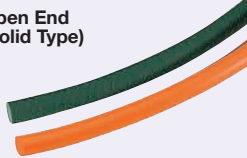
(How to Connect)

Cut the round belt in the length 5% shorter than the calculated or actual measured length with a knife at a right angle. Hold the dedicated metal joint MBQC by using a pair of pliers. Insert the metal joint up to the center of the hollow belt end. To help the insertion in a cold season, warm the belt by immersing in warm water of 40°C for 1 ~ 2 minutes. Be sure not to damage the edge of the metal joint. Insert the metal joint into the other side of the belt.



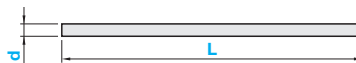
■ **Features:** Belt cut in meters. Endless jointing is not applied.

Open End (Solid Type)



Type	Type	Color	Material	Heat Resistant Temperature
MBT-N	Standard	Orange	Polyurethane	80°C
MBTH-N	High Tensile Strength	Green	Polyurethane	80°C

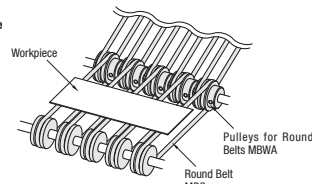
☞ Both MBT-N and MBTH-N satisfy the Food Hygienic Regulations.



Part Number		L (Circumference Length)		Unit Price/m	
Type	d	1m Increment	MBT-N	MBTH-N	
MBT-N MBTH-N	1.5	10~20		-	
	2				
	2.5			-	
	3				
	3.5			-	
	4				
	5				
	6				
	7			-	
	8				
	9			-	
	10				
	12			-	
	15			-	



Example



Ordering Example

Part Number - L
MBTH-N6 - 12

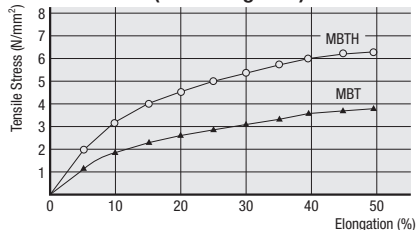
Features of Polyurethane Round Belts

Physical Properties

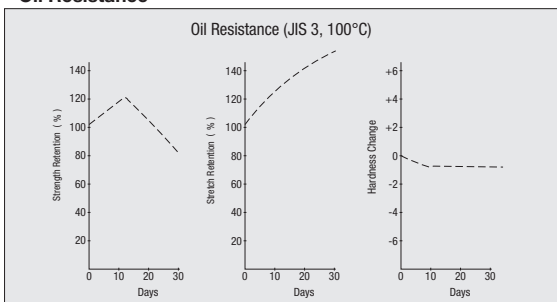
$$\text{kgf} = \text{N} \times 0.101972$$

Item	Test Method	Unit	MBT	MBTH	MBN
Specific Gravity	-	-	1.22	1.22	1.26
Hardness	JIS A	-	88	92	72
5% Modulus	JIS K 6301	N/mm ²	1.2	2.0	0.44
10% Modulus			1.8	3.1	0.88
100% Modulus			6.3	8.8	6.0
300% Modulus			16.9	14.7	9.0
Tensile Strength			24.5 or more	32.4 or more	30 or more
Tensile Elongation at Breakage		%	400 or more	400 or more	600 or more
Tear Strength		kN/mm ²	88	93	90 or more

Tensile Stress (Low Elongation)



Oil Resistance



Temperature Dependency of Tensile Strength, Stretch and Surface Hardness

