

PRODUCT SHEET

Gummetal® Preformed Arches



Gummetal® was developed at Toyota Central R&D Lab in Japan with properties close to rubber: a perfect balance between flexibility and stiffness.

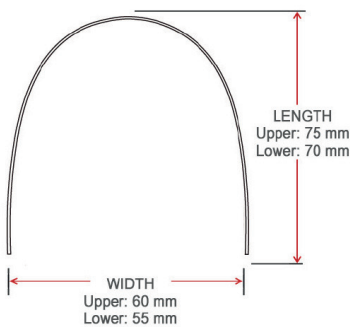
Nickel free titanium alloy made of Titanium (Ti), Niobium (Nb), Tantalum (Ta) and Zirconium (Zr).

Gummetal® has a large elastic deformation range with good formability and a very low Young's Modulus (soft) with enough stiffness.

Gummetal® wire (square/rectangular) can be used to give torque control at the earlier stage in treatment because of its high flexibility. Full size wire can be used to achieve the active torque control because of its moderate stiffness and optimum recovering ability. Maximum activation of the wire is available because of its very wide elastic deformation range.

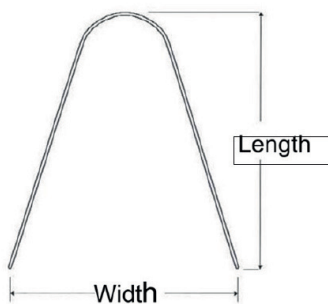
Because of Gummetal®'s excellent bend capabilities it substantively eliminates the necessity of wire changes after leveling. Because of Gummetal's ultra-low young's modulus the complicated wire bending is no longer necessary. Because of Gummetal®'s high flexibility and formability is advantageous to use with smaller inter-bracket distance such as in lingual technics.

Gummetal® Preformed Arches - Natural



| Inch | Size (mm) | Package Contains | Maxillary | Mandibular |
|--------------------|-----------------|------------------|-----------|------------|
| ROUND | | | | |
| .014 | (0.356) | 5 | WGN0001-1 | WGN0021-1 |
| .016 | (0.406) | 5 | WGN0002-1 | WGN0022-1 |
| .018 | (0.457) | 5 | WGN0003-1 | WGN0023-1 |
| SQUARE | | | | |
| .016 x .016 | (0.406 x 0.406) | 5 | WGN0004-1 | WGN0024-1 |
| RECTANGULAR | | | | |
| .016 x .022 | (0.406 x 0.559) | 5 | WGN0005-1 | WGN0025-1 |
| .017 x .022 | (0.432 x 0.559) | 5 | WGN0006-1 | WGN0026-1 |
| .017 x .025 | (0.432 x 0.635) | 5 | WGN0007-1 | WGN0027-1 |
| .018 x .022 | (0.457 x 0.559) | 5 | WGN0008-1 | WGN0028-1 |
| .018 x .025 | (0.457 x 0.635) | 5 | WGN0009-1 | WGN0029-1 |
| .019 x .025 | (0.483 x 0.635) | 5 | WGN0010-1 | WGN0030-1 |
| .021 x .025 | (0.533 x 0.635) | 5 | WGN0011-1 | WGN0031-1 |

Gummetal® Preformed Arches - Blank (Lingual)



| Size Inch & (mm) | Width (mm) | Length (mm) | Ø | Package Contains | Order Number |
|-------------------------------|------------|-------------|----|------------------|--------------|
| SQUARE | | | | | |
| .016 x .016 (0.406 x 0.406) | 62 | 65 | 26 | 5 | WGB0001-1 |
| .0175 x .0175 (0.445 x 0.445) | 62 | 65 | 26 | 5 | WGB0002-1 |
| .0175 x .0175 (0.445 x 0.445) | 62 | 65 | 32 | 5 | WGB0003-1 |
| RECTANGULAR | | | | | |
| .016 x .022 (0.406 x 0.559) | 68 | 68 | 26 | 5 | WGB0004-1 |
| .017 x .025 (0.432 x 0.635) | 62 | 65 | 26 | 5 | WGB0005-1 |
| .018 x .022 (0.457 x 0.559) | 62 | 65 | 26 | 5 | WGB0006-1 |

PRODUCT SHEET

Gummetal® Arches - Lengths, 14" (35,56cm) • Cut

| Inch | Size (mm) | Package Contains | Order Number |
|--------------------|-----------------|------------------|--------------|
| ROUND | | | |
| .012 | (0.305) | 5 | WGL0001 |
| .014 | (0.356) | 5 | WGL0002 |
| .016 | (0.406) | 5 | WGL0003 |
| .018 | (0.457) | 5 | WGL0004 |
| SQUARE | | | |
| .016 x .016 | (0.406 x 0.406) | 5 | WGL0005 |
| .0175x .0175 | (0.445 x 0.445) | 5 | WGL0006 |
| RECTANGULAR | | | |
| .016 x .022 | (0.406 x 0.559) | 5 | WGL0007 |
| .017 x .022 | (0.432 x 0.559) | 5 | WGL0008 |
| .017 x .025 | (0.432 x 0.635) | 5 | WGL0009 |
| .018 x .022 | (0.457 x 0.559) | 5 | WGL0010 |
| .018 x .025 | (0.457 x 0.635) | 5 | WGL0011 |
| .019 x .025 | (0.483 x 0.635) | 5 | WGL0012 |
| .021 x .025 | (0.533 x 0.635) | 5 | WGL0013 |



Gummetal® Arches - Lengths • Spools

| Inch | Size (mm) | Length | Package Contains | Order Number |
|--------------|-----------|--------|------------------|--------------|
| ROUND | | | | |
| .028 | (0.711) | 3.2m | 1 | ECGM001 |
| .032 | (0.813) | 2.5m | 1 | ECGM002 |
| .036 | (0.914) | 2.0m | 1 | ECGM003 |
| .040 | (1.016) | 1.6m | 1 | ECGM004 |



Gummetal® Preformed Aesthetic Coated Arches - Natural

| Inch | Size (mm) | Package Contains | Maxillary | Mandibular |
|--------------------|-----------------|------------------|------------|------------|
| SQUARE | | | | |
| .016 x .016 | (0.406 x 0.406) | 5 | WGN0004A-1 | WGN0024A-1 |
| RECTANGULAR | | | | |
| .016 x .022 | (0.406 x 0.559) | 5 | WGN0005A-1 | WGN0025A-1 |
| .017 x .022 | (0.432 x 0.559) | 5 | WGN0006A-1 | WGN0026A-1 |
| .017 x .025 | (0.432 x 0.635) | 5 | WGN0007A-1 | WGN0027A-1 |
| .018 x .022 | (0.457 x 0.559) | 5 | WGN0008A-1 | WGN0028A-1 |
| .018 x .025 | (0.457 x 0.635) | 5 | WGN0009A-1 | WGN0029A-1 |
| .019 x .025 | (0.483 x 0.635) | 5 | WGN0010A-1 | WGN0030A-1 |
| .021 x .025 | (0.533 x 0.635) | 5 | WGN0011A-1 | WGN0031A-1 |



Gummetal® Natural Aesthetic Coated Arches - Lengths • Spools

| Inch | Size (mm) | Length | Package Contains | Order Number |
|--------------|-----------|--------|------------------|--------------|
| ROUND | | | | |
| .032 | (0.813) | 2.5m | 1 | ECGM005 |
| .036 | (0.914) | 2.0m | 1 | ECGM006 |

