

McFarlane Aviation, LLC.
682 E. 1700 Road, Building C
Baldwin City, KS 66006



800-544-8594
(785) 594-2741
(785) 594-3922 Fax
McFarlaneAviation.com
CustomParts@McFarlaneaviation.com

Custom Flight Control Cable Order Form

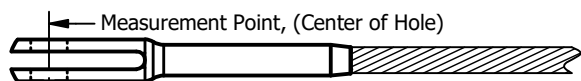
Step 1: Define Cable Type

Cable Diameter: ☐ 1/16 ☐ 3/32 ☐ 1/8 ☐ 5/32 ☐ 3/16 ☐ 7/32 ☐ 1/4

Cable Construction: ☐ 7 x 7 ☐ 7 x 19

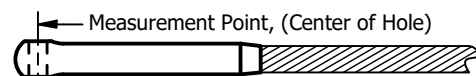
Cable Composition: ☐ Stainless Steel ☐ Galvanized

Corrosion Protection per MIL-PRF-16173 Class 1, Grade 1 ☐ Yes ☐ No



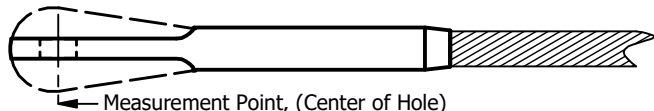
☐ MS20658 Fork Terminal ☐ End 1 ☐ End 2

☐ MS20667 Fork Terminal ☐ End 1 ☐ End 2



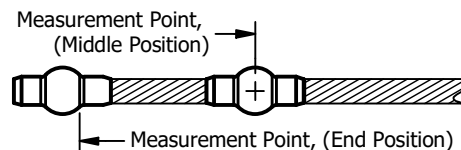
☐ NAS287 Chain to Cable Terminal

☐ End 1 ☐ End 2



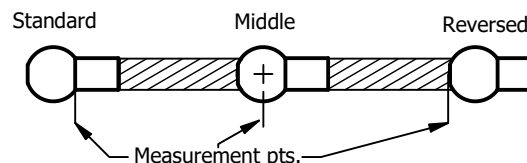
☐ MS20668 Eye Terminal ☐ End 1 ☐ End 2

Step 2: Check Each Type of Terminal Needed



☐ MS20663C Double Shank Ball Terminal

☐ End 1 ☐ End 2 ☐ Middle



☐ MS20664C Single Shank Ball Terminal

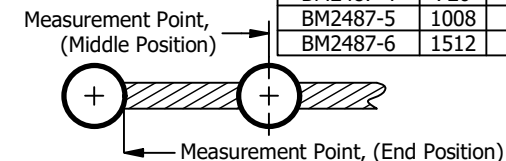
☐ End 1 ☐ Std. ☐ Rev.* ☐ End 2 ☐ Std. ☐ Rev.*

☐ Middle with shank facing ☐ End 1 ☐ End 2

* Unless otherwise specified, load ratings for reversed terminals shall be the same as the equivalently sized BM2487 terminal (see Table 1)

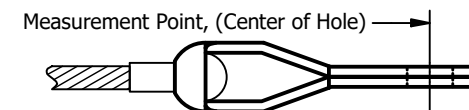
Table 1: BM2487 Load Rating

Part Number	60%	100%
BM2487-2	231	385
BM2487-3	441	735
BM2487-4	720	1200
BM2487-5	1008	1680
BM2487-6	1512	2520



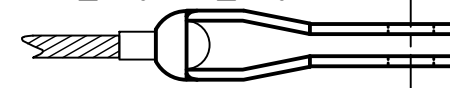
☐ BM2487 Plain Ball Terminal

☐ End 1 ☐ End 2 ☐ Middle



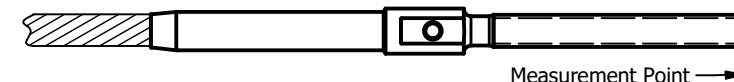
☐ NAS1435E Strap Eye
w/ MS20664C Ball

☐ End 1 ☐ End 2



☐ NAS1435K Strap Fork w/ MS20664C Ball

☐ End 1 ☐ End 2

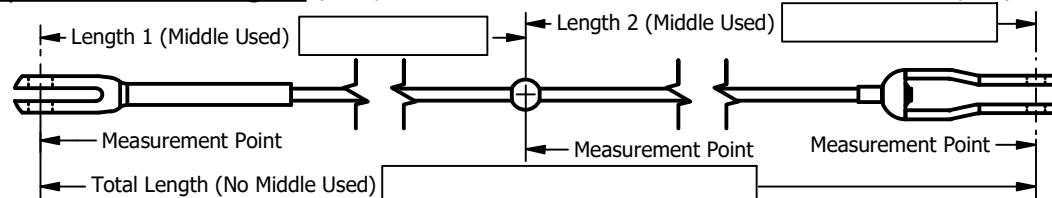


☐ MS21259 Stud End ☐ End 1 ☐ End 2 Thread Type ☐ LH ☐ RH

☐ MS21260 Turnbuckle End ☐ End 1 ☐ End 2

Thread Type ☐ LH ☐ RH ☐ Short Terminal ☐ Long Terminal

Step 3: Indicate Lengths (example shown below see terminals above for actual measurement point)



I REQUEST MCFARLANE AVIATION, LLC. TO MANUFACTURE A PART PER THE DATA ON THIS FORM. I UNDERSTAND THAT I AM SOLELY RESPONSIBLE FOR ENSURING SUITABILITY OF THE PART FOR MY INTENDED APPLICATION.
THIS DATA WAS EITHER PROVIDED BY ME OR DEVELOPED JOINTLY WITH MCFARLANE AVIATION, LLC. ON MY BEHALF AND WITH MY PARTICIPATION AND SUPERVISION.
I UNDERSTAND THAT UNLESS OTHERWISE AGREED, MCFARLANE AVIATION, LLC. MAY USE THIS DATA FOR ANY PURPOSE.
I UNDERSTAND THAT THIS PART IS NOT FAA APPROVED, AND I CERTIFY THAT IF THIS PART IS TO BE INSTALLED ON A TYPE-CERTIFICATED AIRCRAFT IT WILL BE INSTALLED IN FULL COMPLIANCE WITH ONE OF THE EXCEPTIONS LISTED IN 14 CFR 21.9(A).

Signature: _____ Date: _____

Customer Name: _____ Contact Name: _____

Address: _____

Email: _____

Phone: _____ Aircraft Make: _____

Fax: _____ Model: _____

Special Requirements/Notes:

Upon Completion Please Send to
CustomParts@McFarlaneAviation.com

☐ Additional sheet(s) attached

Notes:

1. Cable used for all assemblies will conform to MIL-DTL-83420 Type 1.
2. Terminals will be swaged onto the cable in accordance with MIL-DTL-6117.
3. Each cable assembly will be pre-stretched and proof loaded with a load equal to 60% proof load applied as per table 1 or MIL-DTL-6117 as applicable. A 100% destructive load will be applied to a test cable of each lot.
4. Measure terminals as indicated with Measurement Point, as dependent on applicable location and orientation.
5. Certification to specifications listed above are included with each order.
6. Alternate forms are available for continuous loop cables or with NICOPRESS ends.