



Neapco's DOM Driveshaft Tubing

DOM tubing offers two distinct advantages over AWS. One is more torsional strength per pound of tubing and DOM makes building and balancing a driveshaft easier (faster).

Strength

- Stronger than As Welded Steel (AWS) tubing
- 18% stronger than AWS of the same OD and wall thickness.
- For .083 wall tube, DOM will be stronger than .095 wall AWS
- For .065 wall tube, DOM has 94% of the torsional strength of .083 wall AWS.

Ease of use

- Superior Concentricity vs. AWS
- Very uniform wall thickness (a prerequisite for concentricity) Enhances balancer productivity.
- Because DOM tubing is stronger, there is less bowing while the driveshaft is being balanced. Easier to balance.
- No weld seam on the tube ID to remove before pressing in a weld yoke or a stub shaft
- Initial balance(before correction) will be better because of no weld seam
- With DOM weld seam does not need to be aligned with yoke ears as with AWS.
- Used by Neapco when building driveshafts for OEM customers due to better productivity at the balancer (easier/faster to balance)

Terms:

DOM—Drawn Over Mandrel.

AWS—As Welded Steel

DOM tubing is made by performing additional operations to AWS tubing that increases the torsional strength of the tubing and improves the straightness, concentricity and wall variation versus AWS. The primary additional operations are drawing the tubing thru an ID-OD die set and annealing the weld seam. There is also an additional rolling/forming operation to improve straightness.

SEE NEW DOM TUBING ADDITIONS - Reverse Side

DOM Tubing Specifications

Tubing Type	Outside Diameter	Wall Thickness	Length In Inches	Part Number
DOM	1.25	0.120	108	N10-32-92-108
DOM	1.25	0.120	72	N10-32-92-72
DOM	2.00	0.065	108	N16-30-32-108
DOM	2.00	0.083	108	ND16-30-62-108
DOM	2.00	0.120	108	ND16-30-102-108
DOM	2.50	0.065	108	ND20-30-12-108
DOM	2.50	0.083	108	ND20-30-22-108
DOM	2.50	0.095	108	N20-30-52-108
DOM	2.50	0.120	72	N20-30-62-72
DOM	2.75	0.065	108	N22-30-12-108
DOM	2.75	0.065	72	N22-30-12-72
DOM	2.75	0.083	108	ND22-30-22-108
DOM	3.00	0.065	108	ND24-30-32-108
DOM	3.00	0.083	108	ND24-30-42-108
DOM	3.50	0.065	108	ND28-30-42-108
DOM	3.50	0.083	108	ND28-30-62-108
DOM	4.00	0.065	72	T-143
DOM	4.00	0.083	108	ND32-30-22-108
DOM	4.00	0.095	108	N32-30-12-108
DOM	4.00	0.095	72	N32-30-12-72
DOM	4.095	0.180	108	N32-30-72-108
DOM	4.095	0.180	72	N32-30-72-72
DOM	4.50	0.134	108	N36-30-62-108
DOM	4.50	0.134	72	N36-30-62-72
DOM	4.50	0.259	108	N36-30-22-108
DOM	4.50	0.259	72	N36-30-22-72
DOM	4.59	0.180	108	N36-30-102-108
DOM	4.59	0.180	72	N36-30-102-72
DOM	4.73	0.197	72	N110-30-5-72
DOM	4.96	0.118	72	N120-30-3-72
DOM	5.06	0.167	72	N120-30-4-72
DOM	5.12	0.197	72	N120-30-5-72
DOM	5.20	0.236	72	N120-30-6-72
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