

MIL-DTL-24356 - Navy Refuelling at Sea Coupling - S81 Style



Indian-Made Naval Replenishment Couplings

These indigenously manufactured **Navy refuelling-at-sea (RAS)** couplings are engineered in strict accordance with the **MIL-DTL-24356** military specification.

Key Features & Construction

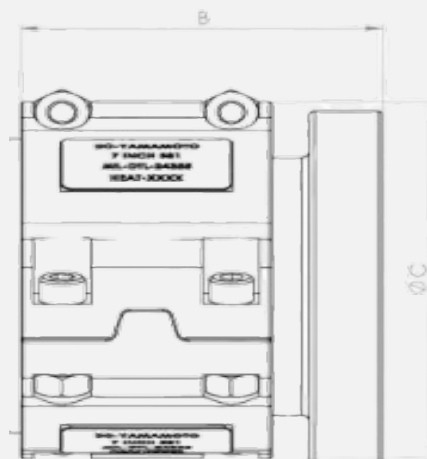
- Premium Materials: Constructed from **high-strength A356-T6 and 6061-T6 aluminium alloys** for maximum durability.
- Corrosion Resistance: Equipped with **Stainless Steel 316 fasteners** to withstand harsh maritime environments.
- Efficient Maintenance: Designed for **quick and easy assembly**, requiring only a single socket wrench for operation.

Available Sizes

These couplings are available in the following standard diameters:

- **2 ½", 4", 6" & 7"**

MIL-DTL-24356 – Refuelling-at-sea Segmented Female Coupling – S81 Style.



SPECIFICATION

Couplings MCC Female S81 Style 2 ½-, 4-, 6-, and 7-Inch Segmented, reattach able, for Refueling-at-Sea Hose in accordance with MIL-DTL-24356

MATERIAL

Name of part	Material	Specification
Female Hose Nipple	Cast or Wrought Aluminum Alloy	ASTM B26/B26M Alloy A356-T6 or ASTM B221, 6061-T6
Clamp Body	Wrought Aluminum Alloy	ASTM B221, 6061-T6 or ASTM B247, 6061-T6
Bolts	Corrosion-resistant steel	F593G B18.2.1
Nuts	Corrosion-resistant steel	F594G B18.2.2

DIMENSIONAL & SERVICE RATING

DN (in)	NSN	Part #	"B" (in/mm)	"C" (in/mm)	Min Burst Pressure (PSI/Mpa)	Weight (lbs/kg)
2 ½"	4730-01-154-6426	M24356-25FC-S81	-	-	-	-
4"	4730-00-007-2195	M24356-40FC-S81	4 ²⁷ / ₃₂ (123)	6 ²¹ / ₃₂ (169)	600 (4.14)	5.51 (2.5)
6"	4730-00-793-9808	M24356-60FC-S81	-	-	-	-
7"	4730-00-793-9809	N24356-70FC-S81	5 ³³ / ₆₄ (140)	9 ³⁹ / ₆₄ (244)	600 (4.14)	9.92 (4.5)

SURFACE FINISH

Anodized MIL-PRF-8625F Type I or IC

INTERCHANGE

Hydrasearch – A-CPL/HOS

MIL-DTL-24356 – Refuelling-at-sea Segmented Male Coupling – S81 Style

DO-YAMAMOTO ENGINEERING INDIA PRIVATE LIMITED
AN FUJIWARA ENGINEERING JAPAN CO., LTD. ENTERPRISE
"BETTER ENGINEERED"



SPECIFICATION

Couplings MCC Male S81 Style 2 1/2-, 4-, 6-, and 7-Inch Segmented, reattach able, for Refueling-at-Sea Hose in accordance with MIL-DTL-24356

MATERIAL

Name of part	Material	Specification
Female Hose Nipple	Cast or Wrought Aluminum Alloy	ASTM B26/B26M Alloy A356-T6 or ASTM B221, 6061-T6
Clamp Body	Wrought Aluminum Alloy	ASTM B221,6061-T6 or ASTM B247, 6061-T6
Bolts	Corrosion-resistant steel	F593G B18.2.1
Nuts	Corrosion-resistant steel	F594G B18.2.2

DIMENSIONAL & SERVICE RATING

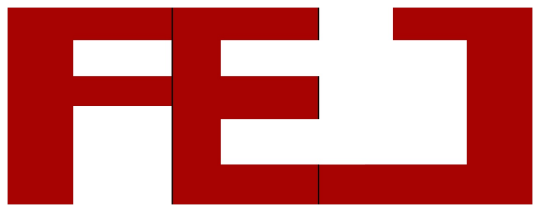
DN (in)	NSN	Part #	"B" (in/mm)	"C" (in/mm)	Min Burst Pressure (PSI/Mpa)	Weight (lbs/kg)
2 1/2"	4730-01-154-6426	M24356-25FC-S81	-	-	-	-
4"	4730-00-007-2195	M24356-40FC-S81	4 27/32 (123)	6 21/32 (169)	600 (4.14)	5.51 (2.5)
6"	4730-00-793-9808	M24356-60FC-S81	-	-	-	-
7"	4730-00-793-9809	N24356-70FC-S81	5 33/64 (140)	9 39/64 (244)	600 (4.14)	9.92 (4.5)

SURFACE FINISH

Anodized MIL-PRF-8625F Type I or IC

INTERCHANGE

Hydrasearch – A-CPL/HOS



FUJIWARA ENGINEERING JAPAN



ENGINEERING INDIA
PRIVATE LIMITED

フジワラエンジニアリングジャパン株式会社

FUJIWARA ENGINEERING JAPAN CO., LTD.

An ISO-Certified Company

EMS 14001:2015 QMS 9001:2015 ISO 45001:2018

FUJIWARA ENGINEERING JAPAN CO., LTD.

DO-YAMAMOTO ENGINEERING INDIA PVT. LTD.

HEAD OFFICE: SHREE TOWERS, 3RD FLOOR PLOT NO J540/5
BHOSARI, MAHARASTRA INDUSTRIAL DEVELOPMENT
CORPORATION, PUNE, MAHARASTRA, 411026

BRANCH OFFICE: OM CHAMBERS, 648/A. 4TH FLOOR,
BINNAMANGALA 1ST STAGE, INDIRANAGAR (BANGALORE),
BANGALORE, BANGALORE NORTH, KARNATAKA, INDIA, 560038

TEL - (+91) - 93199-98853 • TEL - (+91) - 99465-18163

EMAIL - abhishekf_eng-ind@do-yamamoto.com
paul_eng-ind@do-yamamoto.com
nikhil_eng-ind@do-yamamoto.com

QATAR Doha
USA Delaware
UAE

WWW.DO-YAMAMOTO.COM

