U-Boat Model Kits & Accessories

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Part I	Introduction
Part II	1/32nd to 1/60th scale
Part III	1/72nd scale
Part IV	1/96th to 1/144th scale
Part V	1/200th to 1/700th scale
Part VI	Paints & Manufacturer Websites

Part I – Introduction

Many of our Accurate Model Parts forum members were inducted into the realm of U-boat research in a similar fashion. Spread throughout the globe as we are, many of us came to study U-boats through the building of a model kit. In most cases this entrance came by way of Revell's 1/72nd Type VIIC U-boat (RV5015) model kit. Our common desire to correct and improve this particular model kit has advanced the understanding of the external characteristics of the Type VII by a great deal. The foremost conduit for our increased knowledge is the sharing of information via various internet forums. Yet the primary catalyst in the development of the U-boat modelling scene has undoubtedly been the Revell VIIC kit.

In December 2009 the first decade of this century is drawing to a close. Compared to the final month of 1999, the quality and number of kits at our disposal has greatly increased. This mini-article reflects upon the expansion in our choice of U-boat kits, and our resultant improvement in knowledge, during the past decade. In the latter stages of this article, a list of the most popular/useful kits and accessories is presented in tabular format.

The bad old days

Before the release of Revell's 1/72nd Type VIIC U-boat in late 2003, the modelling community was poorly served with respect to accurate U-boat models. There were no affordable plastic kits of reasonable scale that accurately depicted a Kriegsmarine U-boat. Although a plethora of kits and accessories were available for aviation, armour and other naval subjects, the U-boat was sorely neglected. Given the aesthetics, history and importance of the Type VII - and to a lesser extent the Type IX and Type II – the release of a quality kit was long overdue.

The kits that were available in December 1999 were not of the quality we expect today. We could choose Nichimo's 1/200th scale Type IXB and IXC, or Academy's 1/150th scale IX. All three are designed to be motorised, and are arguably not worthy of the talents of serious modellers. On the Type VII front we did have a pair of 1/125th scale VIIB U-boats from the Revell stable: a U 47 version with early VIIB tower and interior; and a U 99 version with late VIIB tower. Both kits appear toy-like in comparison to the current crop of Revell U-boats. Revell also offered a 1/144th scale Type XXI. But the kit is notoriously inaccurate, incorporating details from the *Wilhelm Bauer* (a post-war modified Type XXI). A cutaway version of this XXI kit, with interior, was also available.

One popular radio-controlled model could be found in the shape of Robbe's 1/40th scale Type VIIB. This semi-scale kit is an ideal starter kit for radio-controlled submarine modellers, and fulfils this remit successfully. It bears a passing resemblance to its intended subject – the VIIB U 47 – but is inaccurate in almost every respect to the real boat. This effectively precludes the building of an accurate replica.

A very decent kit was available to us ten years ago. This came in the form of Accurate Armour's 1/35th scale resin waterline Type VIIC. The under-rated kit allows the modeller to depict a VIIC at sea or moored in port. There are three heavy slabs of

resin for the hull sections, and a very decent resin tower. The 88mm deck gun and 20mm Flak gun are both of a high standard, as are the many white metal and resin details. Due to sheer volume of resin in the kit and the multitude of parts, the price of the kit far surpasses the budget of many modellers. And, of course, it is not a full hull model but a waterline version.

Last, but certainly not least, we have the infamous Amati U 47. This 1/72nd scale mixed media kit is remembered with mixed emotions by every modeller who has attempted to build one. The one piece hull is resin, while wooden frames are added under the brass deck. The main group of free flooding holes comes via four long pieces of brass; these ensure that the holes are depicted very neatly. The same could not be said for the rest of the free-flooding holes, which all have to be drilled by the modeller. As some modellers found to their cost, the Amati kit is a very different prospect to an out-of-box moulded plastic build. A good deal of time, patience and effort is required to complete the model. Although challenging, the building of the Amati kit is also very rewarding. In particular the one piece resin hull is an absolute pleasure to work with.

Yet there is one factor which tarnishes the Amati build. The finished article can be a stunning attraction on a mantelpiece, but it is not an accurate depiction of the real U 47. Over one hundred differences between the model and the real boat can be determined. A massive amount of research, a fair slice of scratchbuilding, and a high degree of skill and experience on the part of the modeller are necessary to render even a semi-accurate appearance. The multiple inaccuracies can be a source of endless annoyance for a modeller who has already expended the time, effort and cost in building this model.

A seminal release

When the release of Revell's U-boat kit was announced in 2003, many enthusiasts were thrilled. A 1/72nd scale Type VIIC...in injection moulded plastic!

It may be hard to appreciate now, when we have this kit and a wealth of aftermarket goodies in our glue-covered hands. But at the turn of the century we only had the aforementioned Amati 1/72nd "U 47", two poor renditions of the VIIB in 1/125th scale, a poor version of the XXI, and a semi-scale U 47 in 1/40th scale from Robbe. We did not, therefore, have *any* accurate affordable plastic U-boat model kit that was big enough for super-detailing purposes.

When the first photos of an unpainted model appeared on Revell's website, we could all see that this modern kit was equal in quality and accuracy to contemporary releases. When viewed from a front perspective the model actually looked like a Type VIIC! Revell had managed to replicate the clean aesthetic curves of the Type VIIC successfully. The general consensus of opinion on the new kit was very positive, with there being genuine excitement at the prospect of building the boat.

It became apparent that the kit did have certain faults. The smaller free flooding holes had been replicated with rectangles rather than oval holes. That was absolutely glaring from the start. And the length of the torpedo doors gave an appearance that did not look quite right. But the pointed bow, the rivets, the doublers – they all looked amazing. The tower seemed promising too. Revell had extended a ledge around the

whole of the inside of the bulwark. This was not right, of course, but it would not be too hard to modify.

A few problems then, but none comparable to those faced when attempting to improve the Amati kit. The most important factor was that Revell had captured the shape of the VIIC. Even an out-of-box build *looked* like a VIIC.

In time a more involved evaluation would reveal more minor errors. Modellers who were used to very accurate kits were occasionally disparaging about certain features of the Revell U-boat. These modellers tended to have come to the subject *after* the release of this seminal kit. Using the Revell kit as their baseline, they were less forgiving of its errors. By way of comparison, modellers who had attempted to fix the multiple fallibilities of the Amati kit, or who had tried in vain to improve the 1/125th scale kits, had a more positive outlook. They appreciated that the Revell kit was a state of the art masterpiece when compared to the predecessors.

The Revell Type VIIC kit had, at long last, provided us with an affordable and reasonably accurate VII model. The potential of the near metre long kit was obvious. The scale allowed a level of detail that cannot be considered in 1/350th scale. But the central asset of the kit was the wonderful looks of the Type VIIC itself. The visual impact of a VIIC of this size enticed many modellers away from their usual armour and aircraft subjects and into the sphere of the U-boat.

In the early months of 2004, everyone looked intently for the release of aftermarket sets. The demand for a replacement deck was satisfied by Modelbrass and Nautilus. White Ensign and Eduard released their sets to the approval of us all. Yet once the main aftermarket companies had released their sets, it became apparent that a few aspects had not been addressed. The over-long torpedo doors and the free-flooding patterns could not be easily rectified without suitable photo-etch pieces. This was addressed by the U-Brass project, which was a forerunner of Accurate Model Parts.

It took a few years for the full potential of the Revell kit to be realised. But in recent years some outstanding models have been created. Armed with aftermarket sets and research material, several modellers have utilised their considerable talents to produce extremely accurate models. The blogs and online posts of these very skilled modellers allow others to follow in their footsteps.

Modellers finally have all the necessary resources to build a *very* accurate Type VIIC U-boat.

From dearth to wealth

As the decade draws to a close we have a range of quality U-boat kits to choose from. Revell followed up on the success of their original kit by producing a late war VIIC/41 version. Within the coming year, a VIIC, VIIC/41 and VIID will all be available in 1/144th scale. These 1/144th scale Revell kits are scaled down versions of their original VIIC, with identical design attributes.

Perhaps in recognition of the interest stimulated by the Revell kits, other model companies have also turned their attentions to the subject. One highlight is Special Navy's excellent 1/72nd scale Type IIA. The plastic/resin/white metal kit can be built into a very accurate model with the assistance of a certain aftermarket set. Special Navy

will also release a 1/72nd scale *Vesikko* (the prototype for the Type II class) in due course. Rumours of Type IIB version may or may not prove to be fallacious. CMK Maritime Line is reported to be releasing a 1/72nd scale waterline VIIC in resin, which should prove very interesting indeed. This company also offer a whole range of products to allow a dry-dock diorama scene to be built. Dream Arts produce several towers (a VIIB, two VIICs, a Mittelmeerturm and a Turm IV), all of which can be fitted to Accurate Armour's 1/35th scale waterline VIIC. The high quality of the Accurate Armour and Dream Arts products is well recommended.

For modellers with sufficient financial resources, and indeed shelf space, there are three high quality radio controlled boats available in large scales. The 1/32nd OTW VIIC is the most modestly priced option. Having had the opportunity to study this kit, I can attest that it would build up to a very fine model indeed. I have not had the pleasure of studying the 1/32nd scale Andrea Miniatures VIIC or the 1/34th scale Engel VIIC. But the photos of these very expensive kits do show that one can produce very fine replicas from these kits. Naturally their high price excludes them from the shopping list of all but the most affluent of modellers.

In smaller scales, we have many new kits coming to the market. AFV Club and Flagman are both in the process of bringing a range of 1/350th scale U-boat kits to the market. These kits appear to be at least as good as the 1/400th scale Mirage Hobby range of kits. Revell have also brought a 1/350th VIIC, which is another scaled down version of their larger boats.

We are waiting!

While the demand for VIICs and IIAs has been mainly satisfied, a few variants and types are not yet available. Given the success of VIIBs such as U 47, U 48, U 99 and U 100, and the popularity of their commanders, a VIIB conversion set for the Revell kits would be warmly received. Given the camouflage schemes employed on the Mediterranean boats, a 1/72nd scale VIIC *Mittelmeerturm* (Mediterranean tower) would also prove to be very popular.

No company, as yet, has offered us an original VII (also known as the VIIA). Finished in Spanish Civil War colours, an original Type VII would be a welcome addition to our current choices.

The most obvious omission from the list of available kits is, of course, a 1/72nd Type IX. The demand for a quality injection moulded Type IX kit is certainly there. The U 505, having been largely unmodified since her capture in 1944, is an ideal prototype upon which to base an accurate Type IX model. The boat is currently lying in Chicago awaiting the arrival of a representative from a certain injection-moulded model company.

Come on Revell, we are waiting!

Notes for tables

- The tables do not form a fully comprehensive list of all U-boat models available past and present. Rather they list the most popular and useful kits/accessories as of December 2009.
- The prices in the tables are provided to give a rough indication of value. Most of the prices are current for December 2009 but modellers may be able to buy kits for a more reasonable price.
- Prices are in US Dollars ($), UK Pounds (£) or Euros (€); the figures do not include shipping.
- Unless otherwise stated, Euro and £ costs include European tax.
- Some kits/accessories are out of production but have been included if they are of sufficient interest.
- Some kits/accessories have yet to be released.
- Some modellers choose to build their U-boat as part of a diorama, so accessories pertaining to a dry-dock or dockside diorama are included in the tables.
- Injected moulded plastic kits are presumed to have decals included as standard.
- The codes attributed to the kits and accessories may vary between sellers.
- Since I have not had the opportunity to examine each kit, it was necessary to rely upon the information listed in various websites. As a consequence, the details (particularly the materials of construction) cannot be guaranteed. If Engel or Andrea Miniatures would care to send me their lovely kits, I would be very happy to guarantee their materials of construction.

The codes in the material column are for the following materials of construction –

B	Brass
D	Decals
F	Flags (paper)
FF	Fabric flags
GRP	Glass reinforced plastic (fibreglass)
M	Metal
P	Injected moulded plastic / plastic
PE	Photo-etched brass
R	Resin
SR	Ready-made soldered railings
SS	Stainless steel
V	Vacuform
W	Wood
WM	White Metal

Part II – 1/32nd to 1/60th scale

Manufacturer	Code	Subject	Scale	Materials	Price
Full hull kits					
32nd Parallel	01-000	VII	32	GRP	$525.00, out of production
Andrea Miniatures	LP-02	VIIC	32	GRP,R,PE,WM,D,F	€1784.48+VAT
Andrea Miniatures	LP-02	VIIC - painted	32	GRP,R,PE,WM,D,F	€7882.50+VAT
Engel	1591-FC16	VIIC + diving system + controller	34	GRP,R,PE,WM,SR,B.SS	€2999.00
Engel	1591-TMX	VIIC + diving system	34	GRP,R,PE,WM,SR,B.SS	€2095.00
Engel	1591-DIS	VIIC display	34	GRP,R,PE,WM,SR,B.SS	€1346.00
Italeri	5609	Biber	35	P	Future
Krick	20310	VIIB semi-scale	60	GRP	€179.00
Krick	-	IA U 25 semi-scale	-	GRP	-
OTW Designs	Type 7	VIIC (tower in PE)	32	GRP,R,PE,WM	£750.00
Robbe	1-1114	VIIB U 47 semi-scale	40	GRP	€375.00
Robbe	1-1214	XXI U2540 semi-scale	40	GRP	€599.00
Verlinden	810	Biber	35	R,B	$59.95
Verlinden	816	Neger	35	R,B	$32.95
Verlinden	947	Seehund	35	R,B	$94.95
Verlinden	1015	Hecht	35	R,B	$89.95
Waterline kits					
Accurate Armour	S01	VIIC waterline	35	R,PE,WM	£327.88
Accurate Armour	S02	XXIII waterline	35	R,PE,WM,D	£161.49
Towers					
Accurate Armour	S04	VIIC conning tower	35	R,PE,WM	£88.08
OTW Designs	Type 7	VIIC tower in GRP	32	GRP	£60.00
Dream Arts	-	VIIB tower	35/40	R,PE,M	-
Dream Arts	1001	VIIC U 552 tower	35/40	R,PE,M	€81.00
Dream Arts	1002	VIIC U 201 tower	35/40	R,PE,M	€81.00
Dream Arts	1003	VIIC Mittelmeerturm	35/40	R,PE,M	€86.00
Dream Arts	1004	VIIC Turm IV tower	35/40	R,PE,M	€91.30
Accessories					
Accurate Armour	S05	VIIC 88mm deck gun	35	R,PE,WM	£24.47
Accurate Armour	S06	VIIC 20mm gun	35	R,PE	£9.79
Accurate Armour	S07	VIIC decals & flags	35	D,F	£11.74
Accurate Armour	S08	XXIII decals & flags	35	D,F	£4.65
Andrea Miniatures	LP-10	VIIC section	32	R,M	€1056.00+VAT
Andrea Miniatures	LP-10	VIIC section - painted	32	R,M	€3240.00+VAT
Andrea Miniatures	S5-S09	VIIC mid-deck & tower	32	R,PE,WM,D,F	€309.99+VAT
Andrea Miniatures	S5-S09	VIIC mid-deck & tower - painted	32	R,PE,WM,D,F	€1921.41+VAT
Andrea Miniatures	S5-S10	VIIC deck gun & crew	32	R,WM	€111.12+VAT
Andrea Miniatures	S5-S10	VIIC deck gun & crew - painted	32	R,WM	€346.29+VAT
Accurate Model Parts	G-35N	VII snorting bull normal	32-40	D	$7.95
Accurate Model Parts	H-35L	VII snorting bull large	32-40	D	$7.95
Accurate Model Parts	DK-KMNE-80X135-032	Kriegsmarine flag 80X135cm	32	FF	$6.95
Accurate Model Parts	DK-KMIC-80X135-032	Kriegsmarine Iron Cross Substitute 80X135cm	32	FF	$6.95
Accurate Model Parts	DK-KMNE-100X170-032	Kriegsmarine flag 100X170cm	32	FF	$7.95
Accurate Model Parts	DK-KMIC-100X170-032	Kriegsmarine Iron Cross Substitute 100X170cm	32	FF	$7.95
Accurate Model Parts	DK-RMNE-	Reichsmarine flag	32	FF	$6.95

	80X135-032	80X135cm			
Accurate Model Parts	DK-KMNE-80X135-035	Kriegsmarine flag 80X135cm	35	FF	$6.95
Accurate Model Parts	DK-KMIC-80X135-035	Kriegsmarine Iron Cross Substitute 80X135cm	35	FF	$6.95
Accurate Model Parts	DK-KMNE-100X170-035	Kriegsmarine flag 100X170cm	35	FF	$7.95
Accurate Model Parts	DK-KMIC-100X170-035	Kriegsmarine Iron Cross Substitute 100X170cm	35	FF	$7.95
Accurate Model Parts	DK-RMNE-80X135-035	Reichsmarine flag 80X135cm	35	FF	$6.95
Accurate Model Parts	DK-KMNE-80X135-048	Kriegsmarine flag 80X135cm	48	FF	$6.95
Accurate Model Parts	DK-KMIC-80X135-048	Kriegsmarine Iron Cross Substitute 80X135cm	48	FF	$6.95
Accurate Model Parts	DK-KMNE-100X170-048	Kriegsmarine flag 100X170cm	48	FF	$6.95
Accurate Model Parts	DK-KMIC-100X170-048	Kriegsmarine Iron Cross Substitute 100X170cm	48	FF	$6.95
Accurate Model Parts	DK-RMNE-80X135-048	Reichsmarine flag 80X135cm	48	FF	$6.95
Dream Arts	1110	VIIC deck – for Robbe	40	P,R	€81.00
Dream Arts	1111	VIIC vent slots – for Robbe	40	P	€35.90
Dream Arts	1112	VIIC mid-war deck – for Robbe	40	P	€81.00
Dream Arts	1113	VIIC late-war deck – for Robbe	40	P	€81.00
Dream Arts	1114	VIIC late-war vent slots – for Robbe	40	P	€35.90
Dream Arts	1115	VIIC mid-deck section -for Robbe	40	R,WM	€79.00
Dream Arts	1303	VIIB decals	40	D	€8.50
Dream Arts	1304	VIIC decals	40	D	€9.50
Dream Arts	1305	VII Mittelmeer decals	40	D	€6.50
Dream Arts	1306	VIIC/41 decals	40	D	€9.00
Dream Arts	1401	20mm barrel	40	M	€5.65
Dream Arts	1402	20mm 38 barrel for XXI	35	M	€7.17
Modelbrass	-	XXI deck – for Robbe	40	PE	-
Modelbrass	-	VIIB deck – for Robbe	40	PE	-
Modelbrass	-	VIIC conversion (deck & tower) – for Robbe	40	PE	-
OTW Designs	-	Conning tower kit	32	GRP,R,PE,WM	£165.00
OTW Designs	-	Turm IV kit	32	GRP,R,PE,WM	-
Robbe via Dream Arts	1102	Torpedoes	40	P	€14.10
Robbe via Dream Arts	1405	3.7mm Flak gun	40	P,B	€13.85
Robbe via Dream Arts	1406	88mm deck gun	40	P	€11.80
Robbe via Dream Arts	1407	20mm Flak gun	40	P	€8.70
Robbe via Dream Arts	1408	20mm Flak gun	40	P,B	€9.20
Robbe via Dream Arts	1409	20mm Zwilling Flak gun	40	P,B	€14.85
Figures					
Accurate Armour	F34	Commander	35	R	£8.31
Accurate Armour	F35	Deck officer	35	R	£8.31
Accurate Armour	F36	Officer – mixed dress	35	R	£8.31
Andrea Miniatures	S5-B14	Commander bust	10	R,WM	€42.11+VAT
Andrea Miniatures	S5-B14	Commander bust - painted	10	R,WM	€222.48+VAT

Andrea Miniatures	S5-A28	Commander	32	WM	€17.35+VAT
Andrea Miniatures	S5-A29	Deck officer	32	WM	€17.35+VAT
Andrea Miniatures	S5-A30	Engine crewman	32	WM	€17.35+VAT
Andrea Miniatures	S5-A31	Seaman 1	32	WM	€17.35+VAT
Andrea Miniatures	S5-A32	Seaman 2	32	WM	€17.35+VAT
Frontier Models	S9B14	Silent Hunter Commander bust	10	R,WM	£42.95
Frontier Models	TR06	Günther Prien	16	R,WM	£51.95
Frontier Models	BU1	Erich Topp & periscope	180 mm	R,WM	£26.95
Diorama					
Accurate Armour	D12	Quayside deck/stair	35	R,WM	£107.65
Accurate Armour	D13	Quayside end	35	R,WM	£132.12
Accurate Armour	D14	Quayside complete	35	R,WM	£327.88
Accurate Armour	D15	Quayside mooring set	35	R,WM	£14.69
Accurate Armour	S03	Torpedo set	35	R	£24.41
Andrea Miniatures	S5-A38	Electric welding set	32	R,WM	€11.64+VAT
Andrea Miniatures	S5-A39	Mine	32	R	€16.10+VAT
Andrea Miniatures	S5-A40	VIIC anchor	32	WM	€6.51+VAT

Part III –1/72nd scale

Manufacturer	Code	Subject	Scale	Materials	Price
Full hull kits					
Alanger	040005	XXIII	72	P	€38.50
Amati	1602	VIIB U 47	72	R,W,PE	£288.90
Combat Models	72-101	VIIC	72	V	$47.95
Combat Models	72-107	IXC	72	V	$47.95
Combat Models	72-108	IXD2	72	V	$47.95
ICM	ICMS006	XXVIIB Seehund	72	P	£12.99
Revell	RV5015	VIIC	72	P	£49.99
Revell	RV5045	VIIC/41	72	P	£59.99
Special Navy	72001	IIA	72	P,R,PE,WM,D	£57.50
Special Navy	72002	XXIII	72	P,R,PE,WM,D	£48.60
Waterline kits					
CMK Maritime Line	ML80418	VIIC	72	R	£125.70 – future release
Towers (Both towers are for the 1/72nd Revell RV5015 VIIC kit)					
HP-Models	Con-72-G-001	VIIC tower, tower details, periscopes	72	R,M	Out of production
Warhammer	WH001	Top half of VIIC tower, Periscope, tower details	72	R,M,PE	Out of production
Accessories (Unless marked as otherwise, all accessories are for the 1/72nd Revell RV5015 VIIC kit)					
Accurate Model Parts	72-01	IIA deck & accessories – for Special Navy IIA	72	R,PE,D,F	$59.95
Accurate Model Parts	A-72W	VII waterline	72	D	$6.95
Accurate Model Parts	C-72N	VII snorting bull normal	72	D	$6.95
Accurate Model Parts	D-72L	VII snorting bull large	72	D	$6.95
Accurate Model Parts	DK-KMNE-80X135-072	Kriegsmarine flag 80X135cm	72	FF	$5.95
Accurate Model Parts	DK-KMIC-80X135-072	Kriegsmarine Iron Cross Substitute 80X135cm	72	FF	$5.95
Accurate Model Parts	DK-KMNE-100X170-072	Kriegsmarine flag 100X170cm	72	FF	$5.95
Accurate Model Parts	DK-KMIC-100X170-072	Kriegsmarine Iron Cross Substitute 100X170cm	72	FF	$5.95
Accurate Model Parts	DK-RMNE-80X135-072	Reichsmarine flag 80X135cm	72	FF	$5.95
Accurate Model Parts	DK-UBPEN 072	Kriegsmarine U-boat Pennant set	72	FF	TBC
Archer Fine Transfers	AR88023	VIIC rivets	72	D	$59.95
Bigpond	-	Dry-dock	72	R	AUS$355.00 Out of production
CMK	CMK7201	Interior command section	72	R	£47.50
CMK	CMK7202	Interior torpedo section	72	R	£47.50
CMK	CMK7203	Interior engine section	72	R	£47.50
CMK	CMK7204	Exterior set	72	R	£27.99
CMK	CMK7205	Interior officer's ward room & galley	72	R	£43.20
CMK	CMK7206	Loading supplies at sea	72	R	£15.86
CMK	CMK7207	Torpedo loading winch at sea	72	R	£23.80
CMK	CMK7208	Rear torpedo loading hatch	72	R	£23.80
CMK	CMK7209	Deck winch for	72	R	£23.80

		torpedo loading			
CMK	CMK72128	Dockside provision set	72	R	£7.99
CMK Maritime Line	ML80306	5 torpedoes	72	R	€22.50
Combat Models	72-101	Combat VIIC update	72	V	$25.00
Combat Models	72-107	Combat IXC update	72	V	$25.00
Combat Models	72-108	Combat IXD2 update	72	V	$25.00
Dream Arts	1101	Rivet set for Revell VIIC	72	P	€99.00
Eduard	ED53008	Update set for VIIC	72	PE	£23.75
Eduard	ED53015	Set for Revell VIIC/41	72	PE	£25.70
Eduard	ED53022	Set for Special Navy XXIII	72	PE	£12.80
G-Factor	GFA17201	2 VIIC propellers	72	B	£13.50
Griffon Models	GMA-N005	Turm IV armament	72	B,PE,P	$30.00
Griffon Models	GMA-N006	G7a/G7e torpedo	72	M,PE	-
Houshinya	-	VIIC periscopes	72	M	Out of production
Houshinya	-	VIIC gun barrels	72	M	Out of production
Kora	W7209	G7e torpedo	72	R,PE	-
Modelbrass	WM7201	VIIC deck & details	72	PE	$40.00
Nautilus	72-001	Turm II conversion (actually Turm IV)	72	W,R,PE	Out of production
Nautilus	72-002	37mm + 20mm Flak38	72	W,R,PE	$25.00
Nautilus	72-003	20mm Vierling	72	R,PE	$20.00
Nautilus	72-004	Turm VI conversion	72	W,R,PE	$35.00
Nautilus	72-101	Turm II conversion (resin only)	72	R	Out of production
Nautilus	72-102	Turm II conversion (PE brass only)	72	PE	$20.00
Nautilus	72-501	VIIC early deck	72	W	$38.00
Nautilus	72-502	VIIC Turm II deck	72	W	$40.00
Nautilus	72-503	VIIC/41 planked deck with snorchel	72	W	$40.00
Nautilus	72-504	VIIC/41 planked deck without snorchel	72	W	$40.00
Nautilus	72-505	VIIC/41 planked deck fixed snorchel	72	W	$40.00
Nautilus	72-506	VIID deck	72	W	$40.00
Nautilus	72-507	IIA deck - for Special Navy	72	W	$20.00
Raboesch	146-05	Propeller left	72	B	-
Raboesch	146-06	Propeller right	72	B	-
Schatton Modellbau	SMB7201	20mm Flak 38 barrel	72	B	$7.95
Schatton Modellbau	SMB7238	20mm Flak 38 & antenna	72	B	-
Schatton Modellbau	SMB7239	G7a torpedo	72	B,PE	-
Schatton Modellbau	SMB7241	2 persicopes	72	B	-
Schatton Modellbau	SMB72150	2 persicopes for Special Navy IIA	72	B	-
Schatton Modellbau	SMB72151	G7e-T2 late-war torpedo	72	B,PE	$19.00
Special Navy	SN72005	VIID conversion	72	P,R,PE,D	£18.50
U-Brass / White Ensign Models	UB001 / WEM7232	Flood, vent & drain holes	72	PE	£16.13+VAT
ULAD	ULAD7201	VIIC decals 1	72	D	£5.86
ULAD	ULAD7202	VIIC decals 2	72	D	£5.86
ULAD	ULAD7203	VIIC decals 3	72	D	£5.86
White Ensign Models	WEM7203	Update set	72	PE	£16.98+VAT
White Ensign Models	WEM7211	Torpedo loading set	72	R,PE	£13.57+VAT
White Ensign Models	WEM7212	Torpedoes	72	R,PE	£3.79+VAT
White Ensign Models	WEM7213	37mm	72	R,PE	£6.64+VAT
White Ensign Models	WEM7215	20mm Zwilling	72	R,PE	£4.55+VAT

White Ensign Models	WEM7231	Update set for VIIC/41	72	PE	Future release
Yankee Modelworks	YKM7201	Upper pressure hull	72	R	£36.55+VAT
Yankee Modelworks	YKM7202	VIIC update	72	WE	$21.95
Figures					
CMK	CMK72116	3 on guard in tower	72	R	£7.99
CMK	CMK72117	3 loading supplies	72	R	£7.99
CMK	CMK72118	3 at rest part 1	72	R	£7.99
CMK	CMK72127	3 at rest part 2	72	R	£7.99
CMK	CMK72131	3 gun crew in action	72	R	£7.99
CMK	CMK72132	3 loading torpedo	72	R	£9.99
CMK	CMK72133	3 crewmen in tower on lookout at sea	72	R	£7.99
CMK	CMK72184	3 gun crew	72	R	£7.99
CMK	CMK72185	3 gun crew	72	R	£7.99
Frontier Models	S12S1	5 U-boat crew	72	WM	£19.00
Frontier Models	S12S3	7 U-boat crew 1	72	WM	£19.00
Frontier Models	S12S4	9 U-boat crew 2	72	WM	£19.00
Frontier Models	S12S6	8 U-boat crew 4	72	WM	£22.50
Frontier Models	S12S7	7 U-boat crew 5	72	WM	£22.50
Hecker & Goros	KSHG200	3 Commander, IWO, lookout	72	WM	$15.00
Hecker & Goros	KSHG201	3 IIWO, lookout, machinist	72	WM	$15.00
Hecker & Goros	KSHG202	4 lookout, signal, sailor, boatswain	72	WM	$18.00
Hecker & Goros	KSHG203	4 gun crew	72	WM	$18.00
Hecker & Goros	KSHG212	4 at sea	72	WM	$18.00
Hecker & Goros	KSHG218	3 XXIII crew 1945	72	WM	$18.00
Hecker & Goros	KSHG222	4 North Atlantic dress 1	72	WM	$18.00
Hecker & Goros	KSHG224	4 North Atlantic dress 2	72	WM	$18.00
Hecker & Goros	KSHG235	3 Type IIA figures	72	WM	$18.00
Revell	RV2525	51 Kriegsmarine figures	72	P	£5.21+VAT
Warriors	WA72006	4 tower	72	WM	$14.00
Warriors	WA72007	4 88mm gun crew	72	WM	$14.00
Warriors	WA72008	4 20mm gun crew	72	WM	$14.00
Diorama (CMK Maritime Line items allow a dry-dock scene to be built – available via White Ensign Models)					
CMK Maritime Line	ML80134	Steam crane	72	R	£23.49+VAT
CMK Maritime Line	ML80136	Guardhouse	72	R	£13.40+VAT
CMK Maritime Line	ML80228	Warehouse	72	R	£23.49+VAT
CMK Maritime Line	ML80283	2 rowing boats	72	R	£6.80+VAT
CMK Maritime Line	ML80286	2 tonne harbour crane	72	R,PE	£46.30+VAT
CMK Maritime Line	ML80290	Motor launch	72	R	£17.45+VAT
CMK Maritime Line	ML80292	Kriegsmarine divers	72	R	£8.72+VAT
CMK Maritime Line	ML80293	5 U-boat figures	72	R	£8.72+VAT
CMK Maritime Line	ML80294	5 sentries + dog	72	R	£8.72+VAT
CMK Maritime Line	ML80295	5 naval hospital staff	72	R	£8.72+VAT
CMK Maritime Line	ML80296	5 dockyard workers	72	R	£8.72+VAT
CMK Maritime Line	ML80297	5 dockyard workers on bicycles	72	R	£8.72+VAT
CMK Maritime Line	ML80299	Dry-dock walls	72	R	£20.13+VAT
CMK Maritime Line	ML80300	Stairs & corners	72	R	$16.00
CMK Maritime Line	ML80302	Cobbled road sections	72	R	£15.40+VAT
CMK Maritime Line	ML80303	Cobbled road with tramlines	72	R	£15.40+VAT
CMK Maritime Line	ML80304	Dry-dock base sections	72	R	£10.04+VAT
CMK Maritime Line	ML80307	Sea mines	72	R	$15.00
CMK Maritime Line	ML80342	5 German service personnel	72	R	£8.729+VAT
CMK Maritime Line	ML80350	Dry-dock support blocks	72	R	£6.80+VAT
Schatton	72161	5 SMA mines	72	R	€10.90

Part IV – 1/96th to 1/150th scale

Manufacturer	Code	Subject	Scale	Materials	Price
Full hull kits					
Academy	AC1442	IXB	150	P	£19.99
Doyusha	DH30011	VIIC U 581	150	P	£27.36
ICM	ICMS004	XXIII	144	P	£7.65+VAT
Fine Arts	VIIC	VIIC/41	96	Pre-built and painted	$3495.00
Fine Arts	VIIC	VIIC/41 with camo	96	Pre-built and painted	$4495.00
Mini Hobby Models	81201	XXI U 2518	144	P	-
Mini Hobby Models	81202	XXI Wilhelm Bauer	144	P	-
Revell	RV5004	XXI U 2540	144	P	$21.99
Revell	RV5009	VIID	144	P	£14.99
Revell	RV5038	VIIC	144	P	£14.99
Revell	RV5054	VIIB U 99	125	P	£14.77+VAT
Revell	RV5060	VIIB U 47 with interior	125	P	£14.77+VAT
Revell	RV5078	XXI with interior	144	P	-
Revell	RV5100	VIIC/41	144	P	£14.99
Targa	71073	VIIC in 8 sections	144	M, pre-built & painted	$89.95
Trumpeter	TP05907	XXIII prototype	144	P	£12.98
Trumpeter	TP05908	XXIII	144	P	£10.98
Towers					
Nautilus	-	Resin tower for Revell 125th U 99	125	R,PE	Out of production
Accessories (Unless marked as otherwise, all accessories are for the 1/144th Revell RV5038 VIIC kit)					
Accurate Model Parts	B-144W	VII waterline	144	D	$6.95
Accurate Model Parts	E-144N	VII snorting bull normal	144	D	$5.95
Accurate Model Parts	F-144L	VII snorting bull large	144	D	$5.95
Accurate Model Parts	DK-KMNE-80X135-096	Kriegsmarine flag 80X135cm	96	FF	$5.95
Accurate Model Parts	DK-KMIC-80X135-096	Kriegsmarine Iron Cross Substitute 80X135cm	96	FF	$5.95
Accurate Model Parts	DK-KMNE-100X170-096	Kriegsmarine flag 100X170cm	96	FF	$5.95
Accurate Model Parts	DK-KMIC-100X170-096	Kriegsmarine Iron Cross Substitute 100X170cm	96	FF	$5.95
Accurate Model Parts	DK-RMNE-80X135-096	Reichsmarine flag 80X135cm	96	FF	$5.95
Accurate Model Parts	DK-KMNE-100X170-125	Kriegsmarine flag 100X170cm	125	FF	$5.95
Accurate Model Parts	DK-KMIC-100X170-125	Kriegsmarine Iron Cross Substitute 100X170cm	125	FF	$5.95
Eduard	EDU17022	Update set	144	PE	£12.80
Griffon Models	N144001	Update set	144	PE,M,D	-
Griffon Models	N144002	For 144th VIID	144	PE,M,D	-
Griffon Models	GMA-N001	Periscope and barrel	144	M,PE	-
Griffon Models	GMA-N002	Torpedo	144	M,PE	-
Via Euromodels	GR11001	For ICM XXIII	144	PE	£12.35

Part V – 1/200th to 1/700th scale

Manufacturer	Code	Subject	Scale	Materials	Price
Full hull kits					
AFV Club	SE73501	XXI	350	P	£13.65
AFV Club	SE73502	VIIB	350	P,PE	£12.98
AFV Club	SE73503	VIIC	350	P,PE	£14.98
AFV Club	SE73505	VIID	350	P,PE	Future
Artitec	55-107	VIIC	350	P or R	$21.95
Blue Water Navy	35027	IIB	350	R	-
Blue Water Navy	35028	VIIC	350	R	-
Blue Water Navy	35032	XXI	350	R	-
Commander Series	CSM8-002	IXC	350	R	$27.12
Dragon	1008	XXI	350	P	-
Flagman	FL235003	VIIC/41	350	P	£7.82
Flagman	FL235005	IXA/B	350	P	Future
Flagman	FL235006	VIIC	350	P	-
Flagman	FL235009	VIIB	350	P	Future
Flagman	FL235010	IXC	350	P	Future
Flagman	FL235014	IXC/40 early	350	P	Future
Flagman	FL235022	VIIC Flak	350	P	£7.99
Flagman	FL235030	IXD2 early	350	P	Future
Gulfstream	-	VIIC late war	350	P or R	-
Hobby Boss	HB87006	IXB	700	P	£3.99
Hobby Boss	HB87007	IXC	700	P	£3.99
Hobby Boss	HB87008	VIIB	700	P	£3.99
Hobby Boss	HB87009	VIIC	700	P	£3.99
Mirage Hobby	MIR40023	IIA U 2	400	P	£4.88
Mirage Hobby	MIR40024	IIB U 23	400	P	£4.88
Mirage Hobby	MIR40025	IIC U 60	400	P	£4.88
Mirage Hobby	MIR40026	IID U 149	400	P	£4.88
Mirage Hobby	MIR40041	IXC U 176	400	P	£8.35
Mirage Hobby	MIR40042	IXB U 511	400	P	£7.43
Mirage Hobby	MIR40044	IXC/40 U 803	400	P	£8.35
Mirage Hobby	MIR40045	IXA U 40	400	P	£8.40
Mirage Hobby	MIR40049	VIIC U 571	400	P	£8.40
Mirage Hobby	MIR40410	VIIB U 84	400	P	£7.43
Mirage Hobby	MIR40411	VIIC U 570	400	P	£8.35
Mirage Hobby	MIR40412	VIIC Turm II U 673	400	P	£7.43
Mirage Hobby	MIR40413	VIIC Turm IV U 826	400	P	£7.43
Mirage Hobby	MIR40414	VIIC/41 U 295 + Biber	400	P	£8.40
Mirage Hobby	MIR40415	VIIC/41 U 1064	400	P	£8.15
Mirage Hobby	-	IXD2 Turm II U 875	400	P	-
Nichimo	2009	IXB U 107	200	P	$15.00
Nichimo	2010	IXC U 505	200	P	$15.00
Planet Models / CMK	PLANS001	IA	200	R	£46.40
Planet Models / CMK	PLANS002	XXI	200	R	£46.40
Planet Models / CMK	PLANS003	IIA	200	R	£29.99
Planet Models / CMK	PLANS004	IIB	200	R	£29.99
Planet Models / CMK	PLANS005	IIC	200	R	£29.99
Planet Models / CMK	PLANS006	IID	200	R	£29.99
Planet Models / CMK	PLANS007	Molch	200	R	£10.80
Planet Models / CMK	PLANS008	Hecht	200	R	£10.80
Planet Models / CMK	PLANS009	Biber	200	R	£10.80
Planet Models / CMK	PLANS010	Seehund	200	R	£10.80
Planet Models / CMK	PLANS011	XXIII	200	R	£29.99
Revell	3102	IXC U 505	200	P	$20.00
Revell	RV5093	VIIC	350	P	£6.99

Yankee Modelworks	YKM-35027	VIIC late war	350	R,PE,WM	$60.00
Yankee Modelworks	YKM-35028	IXC late war	350	R,PE,WM	$60.00
Yankee Modelworks	YKM-35032	XXI	350	R,PE	$30.00
Waterline kits					
Hasegawa	44126	VIIC & IXC	700	P	$8.99
HP Models	WW II-WL -G-02	I & II	700	R	€16.00
HP Models	WW II-WL -G-051	XXI 1945	700	R	€10.00
HP Models	WW II-WL -G-052	XXIII set of 4	700	R	€16.00
HP Models	WW II-WL -G-052A	XXIII set of 4 – series 1	700	R	€16.00
HP Models	WW II-WL -G-113	VIIB U 47	700	R	€10.00
HP Models	WW II-WL -G-113	VIIB U 47	700	R	€11.00
HP Models	WW II-WL -G-114	VIIB U 83	700	R	€11.00
HP Models	WW II-WL -G-115	VIIC U 201	700	R	€11.00
HP Models	WW II-WL -G-116	VIIC/41 U 1105	700	R	€11.00
HP Models	WW II-WL -G-117	VIIC U 441 U-Flak	700	R	€11.00
HP Models	WW II-WL -G-118	VIID U 218	700	R	€11.00
HP Models	WW II-WL -G-119	VIIF U 1060	700	R	€11.00
HP Models	WW II-WL -G-120	IXA U 40	700	R	€11.00
HP Models	WW II-WL -G-121	IXA U 37	700	R	€11.00
HP Models	WW II-WL -G-122	IXB U 106	700	R	€11.00
HP Models	WW II-WL -G-123	IXB U 103	700	R	€11.00
HP Models	WW II-WL -G-124	IXC U 66	700	R	€11.00
HP Models	WW II-WL -G-125	IXC U 507	700	R	€11.00
HP Models	WW II-WL -G-126	IXC U 532	700	R	€11.00
HP Models	WW II-WL -G-127	IXC/40 U 869	700	R	€11.00
HP Models	WW II-WL -G-128	IXD U 180	700	R	€11.00
HP Models	WW II-WL -G-129	IXD U 195	700	R	€11.00
HP Models	WW II-WL -G-130	IXD2 U 862	700	R	€11.00
HP Models	WW II-WL -G-171	XB U 118	700	R	€11.00
HP Models	WW II-WL -G-172	XB U 119	700	R	€11.00
HP Models	WW II-WL -G-173	XB U 219	700	R	€11.00
HP Models	WW II-WL -G-174	XB U 233	700	R	€11.00
HP Models	WW II-WL -G-175	XB U 234	700	R	€11.00

HP Models	WW II-WL -G-176	XIV U 459	700	R	€11.00
HP Models	WW II-WL -G-177	XIV U 461	700	R	€11.00
HP Models	WW II-WL -G-178	XIV U 462	700	R	€11.00
HP Models	WW II-WL -G-179	XIV U 490	700	R	€11.00
Accessories (Unless marked as otherwise, all accessories are for the 1/400th Mirage kits)					
Mirage Hobby	24001	IIA U 3 update	400	R,PE	-
Mirage Hobby	24002	IIB U 14 update	400	R,PE	-
Mirage Hobby	24003	IIC U 57 update	400	R,PE	-
Mirage Hobby	24001	IID U 141 update	400	R,PE	-
Mirage Hobby	44001	VIIB U 83 update	400	R,PE	-
Mirage Hobby	44002	VIIC U 556 update	400	R,PE	-
Mirage Hobby	44003	IXA U 37 update	400	R,PE	-
Mirage Hobby	44004	IXC U 154 update	400	R,PE	-
Tom's Modelworks	4019	For 5 VIIs	400	PE	$16.00
Voyager	VN35001	For AFV VIIB	350	R,PE	£6.77+VAT
Voyager	VN35002	For AFV VIIC	350	R,PE	£6.77+VAT

Part VI – Paints & Manufacturer Websites

Kriegsmarine paints

Kriegsmarine paints available from White Ensign Models (1.32+VAT per tin)

KM01	*Hellgrau 50*
KM02	*Dunkelgrau 51*
KM05	*Schiffsbodenfarbe III Grau*
KM06	*Dunkelgrau 2*
KM11	*Schlickgrau 58*
KM12	*Blaugrau 58.1*

ULAD Decals

ULD72001	U 79, U 82, U 95, U 96, U 132, U 136, U 201, U 202, U 204, U 212, U 235, U 302, U 558 & U 564
ULD72002	U 71, U 72, U 81, U 92, U 97, U 134, U 205, U 209, U 221, U 223, U 231, U 238, U 255, U 404, U 458, U 564, U 593 & U 601
ULD72003	U 94, U 332, U 333, U 334, U 407, U 453, U 556, U 565, U 571, U 592, U 596, U 617, U 751, U 755 & U 757

Manufacturers

Accurate Model Parts	http://amp.rokket.biz
Alanger	http://www.alanger.ru
Amati	http://www.amatimodel.com
Andrea Miniatures	http://www.andrea-miniatures.com
Archer Fine Transfers	http://www.archertransfers.com
Combat Models	http://combatmodels.us
CMK / CMK Maritime Line	http://www.cmkkits.com/en/page/about-us
Dream Arts	http://www.dream-arts.de
Eduard	http://www.eduard.cz
Engel	http://www.engel-modellbau.de
Fine Arts	http://www.fineartmodels.com
Flagman Models	http://www.flagman-models.com
Frontier Models	http://www.frontiermodels.co.uk
G-Factor Models	http://www.gfactormodels.com
Griffon Models	http://www.griffonmodel.com
Hecker & Goros	http://www.hecker-goros.de/
HP Models	http://www.hp-models.com
ICM	http://www.icm.com.ua/en
Kora	http://www.lfmodels.cz
OTW Designs	http://www.otwdesigns.com
Krick	http://www.krick-modell.de

Mirage Hobby	http://www.mirage-hobby.com.pl
Modelbrass	http://www.modelbrass.com
Nautilus	http://nautilusmodels.com
Raboesch	http://www.raboesch.com
Robbe	http://www.cms.robbe.de
Schatton Modellbau	http://modellbau-schatton.privat.t-online.de
Special Navy	http://www.cmkkits.com/en/page/about-us
Tom's Modelworks	http://www.tomsmodelworks.com
U-Brass	Now Accurate Model Parts
Verlinden	http://www.verlindenonline.com
Voyager	http://www.voyagermodel.com
White Ensign Models	http://www.whiteensignmodels.com
Yankee Modelworks	http://www.yankeemodelworks.com

Suppliers

Euromodels	http://www.euromodels.co.uk
Hannants	http://www.hannants.co.uk
Models by Mickster	http://www.modelsbymickster.com
White Ensign Models	http://www.whiteensignmodels.com

Sources

Dougherty, Tom. *Static On The Line*. The SubCommittee Report, December 2003.
http://www.uboat.net/special/models/kits.htm