

ITALIAN MEDIUM TANKS

1939-45



F CAPPELLANO & P P BATTISTELLI ILLUSTRATED BY R CHASEMORE

Italian Medium Tanks 1939 45 New Vanguard

Steven J. Zaloga



Italian Medium Tanks 1939 45 New Vanguard:

Italian Medium Tanks Filippo Cappellano, Pier Paolo Battistelli, 2012-12-20 Several factors delayed and greatly hampered the development of an Italian medium tank during World War II Light tanks were preferred as these were deemed much more suitable for the narrow roads and bridges of the Alps along the borders of neighbours France and Yugoslavia Development was also hampered by limited industries with fragmented production Thus the first prototype of an Italian medium tank the M 11 did not enter production until 1939 This book examines the Italian M tanks which although technically inferior to their German and Allied counterparts in 1941 43 proved to be effective when used by experienced crews with adequate combat tactics Alongside illustrations throughout Filippo Cappellano and Pier Paolo Battistelli discuss the types as well as the experiments that produced interesting prototypes such as the anti aircraft semovente *Italian Medium Tanks* Filippo Cappellano, Pier Paolo Battistelli, 2012-12-20 Several factors delayed and greatly hampered the development of an Italian medium tank during World War II Light tanks were preferred as these were deemed much more suitable for the narrow roads and bridges of the Alps along the borders of neighbours France and Yugoslavia Development was also hampered by limited industries with fragmented production Thus the first prototype of an Italian medium tank the M 11 did not enter production until 1939 This book examines the Italian M tanks which although technically inferior to their German and Allied counterparts in 1941 43 proved to be effective when used by experienced crews with adequate combat tactics Alongside illustrations throughout Filippo Cappellano and Pier Paolo Battistelli discuss the types as well as the experiments that produced interesting prototypes such as the anti aircraft semovente [Tank Gun Systems](#) William Andrews, 2023-06-30 Much has been written about the use of tanks in battle Little however has appeared about the gunnery systems that are at their core This book describes and examines the main gun systems of medium and heavy tanks from first use in 1916 in World War I to those fielded in numbers to the end of World War II in 1945 including tanks of the interwar period Specifically considered are guns of a caliber greater than 35 mm which have been deployed in numbers greater than 100 The emphasis is on guns mounted in turrets on heavier tracked armored fighting vehicles greater than 15 tonnes which were considered tanks There are though exceptions in that the naval 6 pounder guns in First World War British tanks as well as the 75 mm guns in French medium tanks of the same period all turretless are included The treatment of gun systems includes sighting and fire control equipment gun laying equipment mounts and the array of munitions fired as well as the actual gun including its barrel cradle breech firing mechanism sights and recoil system Related to this are issues of gun handling loading and unloading ammunition design and rates of fire Also examined are the maximum impulse and energy generated by firing some of the munitions available that must be absorbed by the gun recoil system **Crusader vs M13/40** David Greentree, 2024-08-15 This illustrated study assesses the British Crusader and the Italian M13 40 two medium tanks that played crucial roles in World War II s Desert War Making its combat debut in North Africa during December 1940 Italy s

M13 40 medium tank was armed with a 47mm main gun Its British opposite number the Crusader I was armed with a 2 pdr 40mm main gun it entered the fighting in June 1941 While the M13 40 could fire armour piercing rounds but also high explosive ammunition against infantry and towed gun targets the Crusader could only fire armour piercing ammunition In this book David Greentree charts the evolution of these two tanks as the Desert War raged on While the Crusader III making its debut at the Second Battle of El Alamein in October 1942 was armed with the much more effective 6 pdr 57mm the M13 40 could not be upgunned or uparmoured new types such as the US built M3 Grant tipped the balance in favour of the British Joined in the front line by the similar M14 41 the M13 40 soldiered on as the M4 Sherman also entered British service the Italian tanks were largely wiped out as the Axis forces retreated from Egypt Featuring all new full colour artwork archive photographs and expert analysis this engaging study assess the origins development and combat effectiveness of these two mainstays of the Desert War during 1941 42

British Motor Gun Boat 1939-45 Angus Konstam,2013-03-20 Motor Gun Boats were the Spitfires of the Seas of the Royal Navy Bristling with small calibre guns and machine guns they served in a variety of roles during the War In the early war period they battled against German E boats in the English Channel then went on the offensive searching the enemy shore for targets of opportunity At other times they ran support for Motor Torpedo Boats and were used to deliver commandos on various raids Naval Warfare expert Angus Konstam tells the story of these small but destructive boats beginning with their design and development and carrying through to their operational use in both the European and Mediterranean theatres of World War II

Italian Light Tanks Filippo Cappellano,Pier Paolo Battistelli,2012-06-20 The Italian army unlike those of the British and French did not use tanks in combat during World War I and by November 1918 only one training unit equipped with French Schneider and Renault tanks had been formed Consequently during the 1920s the Italian army had just one single tank type in its armoured inventory the Fiat 3000 Only in 1927 was the first tank unit formed as a branch of the infantry and not as an independent organization while the cavalry rejected the idea of both tanks and armoured cars and decided to stand by the use of horses for its mounted units Between 1933 and March 1939 a further 2 724 CV 33 L 3 tanks were built 1 216 of which were exported all over the world By the time Italy entered the war in June 1940 the army had 1 284 light tanks 855 of which were in combat units including three armoured divisions Variants of the CV 33 L 3 tanks included flame throwers bridge layers recovery vehicles and a radio command tank Some L 3 tanks were still in use in 1945 by both the Germans and the German allied Italian units of the Repubblica Sociale

Tanks of Hitler's Eastern Allies 1941-45 Steven J. Zaloga,2013-04-20 The titanic armor battles of the Russian Front are widely known but the role of Germany's eastern allies is less so Romania and Hungary manufactured their own tanks as well as purchasing tanks from Germany older obsolete types such as the PzKpfw 35 t all the way up to the latest and best German vehicles including the Tiger I and Hetzer These tanks played a frequent role in the battles in southern Russia and Ukraine and were especially prominent in the disaster at Stalingrad where the Red Army specifically chose the

weaker Romanian and Hungarian salients for their critical envelopment operation Ideal for modellers and armor enthusiasts this is a broad survey of the various and colorful tanks used in these battles As well as the largest of these Axis tank forces the book features coverage of the many smaller and lesser known forces including the Italian contingent in Russia the Finnish armored force and the small but interesting armored forces of the Russian Vlasov RONA Croatian Bulgarian and Slovakian armies

T-34/76 Medium Tank 1941-45 Steven J. Zaloga, 2013-08-20 The T 34 was the most influential tank design of World War 2 When first introduced into combat in the summer of 1941 it represented a revolutionary leap forward in tank design Its firepower armour protection and mobility were superior to that of any other medium tank of the period This superiority did not last long While the T 34 underwent a series of incremental improvements during 1943 it was being surpassed by new German tank designs most notably the Panther This compact illustrated guide traces the life of the original T 34 through all its difficulties to eventual success

T-34-85 Medium Tank 1944-94 Steven J. Zaloga, Jim

Kinnear, 2013-08-20 The T 34 85 tank is one of those rare weapons that have remained in service for more than half a century First introduced in 1944 it has seen combat in nearly every corner of the globe Alongside detailed illustrations Steven Zaloga and Jim Kinnear look at this long serving Soviet tank at length including its operational history design and development and later modifications Although long obsolete in Europe it has proven a reliable and potent weapon in many conflicts in lower income countries and is still in service with more than a dozen armies around the world

Imperial Japanese Navy Destroyers 1919-45 (2) Mark Stille, 2013-09-20 During the Pacific War the most successful component of the Imperial Japanese Fleet was its destroyer force These ships were larger and in most cases better equipped than their Allied counterparts Armed with a powerful long ranged torpedo these ships proved formidable opponents Initially they were instrumental in an unbroken string of Japanese victories but it was not until the Guadalcanal campaign that these ships fully demonstrated their power In a series of daring night actions they devastated Allied task forces with their deadly torpedoes This volume details the history weapons and tactics of the Japanese destroyers built just before and throughout the war including the famous Kagero and Yugumo classes the experimental destroyer Shimakaze that boasted a top speed of almost 40 knots and 15 torpedo tubes and the Matsu class that represented the Japanese equivalent to an Allied destroyer escort These ships were designed to be built quickly and cheaply but proved to be very tough in combat

T-72 Main Battle Tank 1974-93 Steven J. Zaloga, 2013-08-20 The Russian T 72 Ural tank was the most widely deployed main battle tank of its generation Used by the armies of the former Warsaw pact and Soviet Union it has also been exported in large numbers to many of the states in the Middle East This book reveals the previously secret history behind the tank Steven J Zaloga examines the conditions under which the T 72 was designed and produced Technical aspects of the weapon are also discussed including its EDZ reactive armour which when it first appeared in December 1984 gave NATO a nasty shock

Imperial Japanese Navy Destroyers 1919-45 (1) Mark Stille, 2013-03-20 This volume will detail the history weapons

and tactics of the Japanese destroyers built before the war This includes the famous Fubuki class called Special Type by the Japanese which were when completed in the late 1920 s the most powerful class of destroyers in the world This design forced all other major navies to follow suite and provided the basic design for the next many classes of Imperial Navy destroyers This book will also cover the three classes built before the Special Type which were based on a German World War I design as well as two classes built after the advent of the Special Type All of these ships had a rich history as they fought from the first battles of the Pacific War up until the very end when several accompanied the superbattleship Yamato on her death sortie The final part of the book will be an analysis of the destroyer designs covered in the book which will include an examination of their strengths and weaknesses The success or lack of success of these designs will be discussed and they will be compared to comparable Allied destroyer designs **BMP Infantry Fighting Vehicle 1967-94** Steven J.

Zaloga,2013-06-20 The Russian BMP infantry fighting vehicle IFV was one of the most significant innovations in infantry tactics in the latter half of the 20th century Built in response to the threat of nuclear warfare it was the world s first IFV providing the infantry squad with unprecedented firepower mobility and protection With over 55 000 manufactured since 1966 the BMP is also numerically one of the most important armoured vehicles ever built This richly illustrated book examines the development and design of the BMP detailing its armaments performance in combat and variants **French**

Tanks of World War II (1) Steven J. Zaloga,2014-02-20 The first of two volumes covering the French armor of World War II this book looks at the infantry and battle tanks that faced the onslaught of the German Blitzkrieg in 1940 Many of the French tanks were intended as replacements for the World War I era Renault FT and various modernization efforts throughout the inter war years had given rise to a number of new infantry tanks including the Renault R35 and R40 FCM 36 and the Hotchkiss H35 and H39 Alongside these developments was a separate family of battle tanks starting with the Renault D1 D2 and finally the best known French tank of the campaign the Char B1 bis Accompanied by detailed illustrations French Tanks of World War II 1 offers a background to the design and development of these tank types and an evaluation of their performance in the Battle of France **M3 Infantry Half-Track 1940-73** Steven J. Zaloga,2013-06-20 As armoured warfare

tactics matured mechanised infantry became a key ingredient in what is now called combined arms doctrine For the US Army of World War 2 the most important technical aspect of infantry mechanisation was the development of the M3 half track personnel carrier Steven Zaloga explores the early 1930s development of the half track its first deployment in action in the Philippines in 1941 and its varied and vital role in international deployments since World War 2 This authoritative text also examines the operators of half tracks and the troops that they carried **M4 Sherman vs Type 97 Chi-Ha** Steven J.

Zaloga,2012-05-20 Although US and Japanese tank forces first clashed in 1941 it was on in 1944 that tank vs tank action became more common as both sides poured larger numbers of tanks into the combat zone These battles were a means of demonstrating each side s latest tank technology For the US the pinnacle of their tank machinery came in the form of the M4

Sherman and for the Japanese their most notable feat of engineering was the smaller yet still effective Type 97 Chi Ha The last two campaigns of the war Iwo Jima and Okinawa saw tanks used by both sides the Japanese finally concluding that the fight against the US Army is a fight against his M4 tanks Accompanying Zaloga's detailed analysis are profile illustrations of the Type 97 kai Shinhoto Chi ha and the M4A3 views showing the ammunition of both types interior illustrations showing the turret layout in both types and a battlescene showing the Type 97 kai in combat against US armour **M4 (76mm) Sherman Medium Tank 1943-65** Steven J. Zaloga, 2013-08-20 The M4 Sherman tank was the mainstay of the Western allies between 1942 and 1945 Fast and modern it was a big success and was transported as far afield as Russia and North Africa The American Chief of Staff claimed in November 1943 it was hailed widely as the best tank on the battlefield today However by the Normandy invasion of June 1944 this was not the case the new German heavy tanks such as the Panther and Tiger were completely outclassing the Sherman This illustrated book covers the M4 version armed with the 76 mm gun examining developments such as the HVSS suspension using much new archive material **British Battleships 1914-18 (1)** Angus Konstam, 2013-05-20 The launch of HMS Dreadnought in 1906 changed the face of naval warfare The first half dozen dreadnoughts were all improvements of the basic Dreadnought design all carrying ten 12 inch guns It was only in 1911 with the launch of HMS Neptune that the layout of this powerful armament was altered as a result of practical experience Two more versions of the Neptune entered service later that same year These nine improved dreadnoughts formed the core of the British High Seas Fleet This book the first of two volumes covering these famous warships uncovers the full story of the British battleships of World War I It examines their revolutionary design the 12 inch guns that provided them with their firepower and the way these guns were fired in anger **M7 Priest 105mm Howitzer Motor Carriage** Steven J. Zaloga, 2013-07-20 Based upon the ubiquitous Grant Sherman tank the M7 Priest is the iconic Allied self propelled howitzer This compact illustrated guide explores the most widely manufactured vehicle of its type in World War II utilized by the US British Canadian and Free French forces Its combat debut was with Montgomery's Eighth Army at El Alamein and it fought subsequently in every major campaign through Sicily Italy Normandy and the final battles in Germany In addition to covering all variants of the Priest this book also looks at the major derivatives including the British Canadian Sexton and the US M12 155mm GMC **M103 Heavy Tank 1950-74** Kenneth W Estes, 2013-03-20 The T43 design represented the pinnacle of US Army tank engineering of the late 1940s The heavy tank proved fairly popular with its crews who above all respected the powerful armament it carried The outbreak of war in Korea brought a rush order in December 1950 which led to a complete production run of 300 vehicles After 1951 the Marine Corps alone retained confidence in the heavy tank program investing its scarce funds in the improvements necessary to bring about its fielding after a hurried production run in midst of the tank crisis of the year 1950-51 The eventual retirement of the M103 in 1972 over 20 years after manufacture and after 14 years of operational service demonstrated the soundness of its engineering It may have been the unwanted ugly duckling of the Army

which refrained from naming the M103 alone of all its postwar tanks For the Marine Corps it served the purpose defined for it in 1949 until the automotive and weapons technology of the United States could produce viable alternatives

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