ELEY®

ammunition guide

accuracy defined

ELEY's .22LR ammunition has been used to win more Olympic medals than all other .22LR brands combined. We are one of the world's oldest ammunition manufacturers, and our products and services have been the benchmark for quality since 1828.

ELEY only manufactures .22LR cartridges and air pellets. Our research, development and experience goes into producing the most accurate ammunition in the world, establishing our status as the world leader in ballistic engineering.

ELEY's headquarters are based in the UK. The world's finest engineers use state-of-the-art machinery and advanced analytical processes to redefine accuracy.

In 1979, ELEY developed the world's first and only dry priming system, ELEY prime. This remains the most consistent method available, increasing the accuracy of every round and serving as the industry's safest priming process.

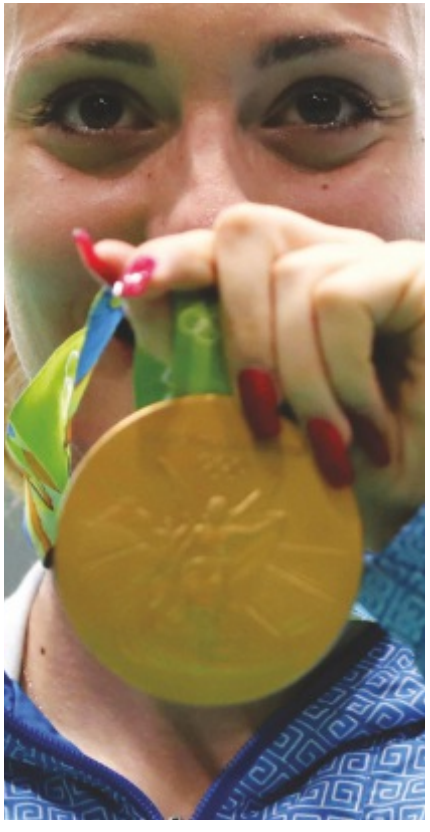
ELEY AMMUNITION 1828 - 2018
190 YEARS
OF EXCELLENCE

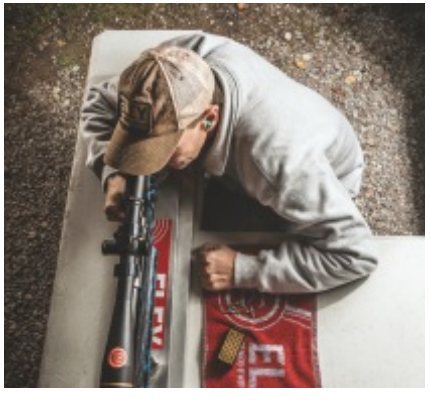
King George V visited ELEY's UK factory in 1915.

ELEY's centre-fire packing line in the 1940's

ELEY
ELEY
ISSF
WORLD CUP
FINAL 2013

ELEY





ELEY have won more major medals than all other .22LR brands combined.

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Email: DanKillough@eley.co.uk

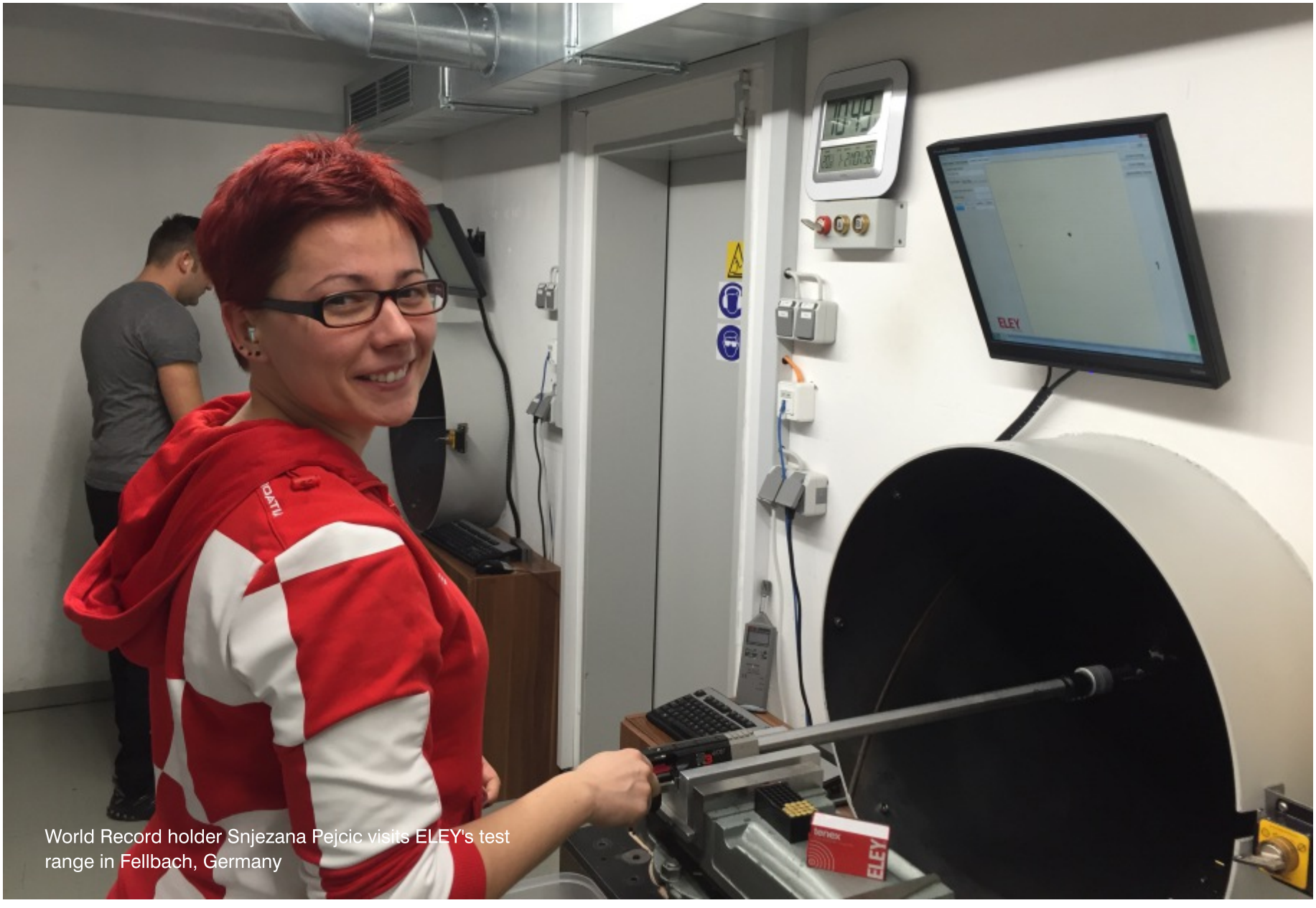
ELEY® ammunition testing

Improve your competition confidence and batch test your ammunition at any of ELEY's five worldwide test ranges. Our unique testing methodology, electronic targets, custom-built equipment and software ensure every shot counts.

The testing process takes three hours, during which 40 shots will be fired from up to 20 batches to compare their performance. Our proprietary software uses individual shot data to statistically analyse the performance of each batch and provide the greatest possible assessment of accuracy.

ELEY's five ranges are based in the UK, Germany, Norway and USA (Texas). Norway hosts a special cold test range which is optimised for biathlon testing. Visit www.eley.co.uk/test-ranges to find out more and book your appointment with one of our range officers.

ELEY tenex challenge
We are so confident that our ammunition is the most consistently accurate in the world that we'll prove it to anyone who would like to take up the challenge. Bring your best batch of non-ELEY ammunition to one of our customer ranges. If we cannot outperform your batch of ammunition we will give you 5000 rounds of barrel selected ELEY tenex for free.



World Record holder Snjezana Pejcic visits ELEY's test range in Fellbach, Germany

tenex

40gr
flat nose

ELEY tenex is the world's premier competition cartridge. It is the most accurate and successful .22LR cartridge ever developed and the choice of the world's best shooters since 1951.

Investment and continuous technological advances led to the patented flat nose bullet profile. This revolutionary feature aerodynamically stabilises the projectile for increased accuracy.

match

40gr
flat nose

ELEY match shares technology with ELEY tenex including the flat nose bullet and the cut mouth case for enhanced ballistic characteristics.

Produced on a dedicated line with a suite of analytical processes to ensure match-winning performance.

edge

40gr
flat nose

ELEY edge was originally designed for high-level training and has since found popularity with competitive shooters.

ELEY edge introduces the patented black oxidised case which improves accuracy by modulating the release force between case and bullet for a more consistent burn and flight.

ELEY tenex is the world's premier competition cartridge. The choice of the best shooters since 1951.

sport

40gr
round nose

ELEY sport introduces competitive shooters to the world of ELEY's accuracy and consistency.

Small lot quantities and statistical process control techniques ensure reliable performance in every round.

club

40gr
round nose

ELEY club our mid-range competitive target cartridge that utilises the benefits of the round nose bullet profile.

Enhanced performance with outstanding accuracy.

rifle E

Jamie Corkish

2012 Olympic Gold Medalist in 3 position rifle shooting

tenex pistol

40gr
round nose

ELEY tenex pistol is the result of years of comprehensive research and development into ballistics, cycling, bullet profiles, case construction and bullet composition.

The propellant is designed specifically to provide an equal amount of energy to each bullet, improving accuracy and helping control recoil.

tenex slow pistol

40gr
round nose

ELEY tenex slow pistol features a reduced charge of propellant for lower velocity, leading to increased consistency of recoil and feel.

ELEY's complete range of analytical tools assess each round to ensure the highest possible performance demanded by the world's elite.

match pistol

40gr
round nose

ELEY match pistol offers competitive performance, aided by the round nose bullet profile which improves feeding and extraction for smooth cycling.

Extensive testing and measuring is undertaken by our skilled engineers to minimise variation between each batch.

match slow pistol

40gr
round nose

ELEY match slow pistol improves control and sight-picture recovery with a specially designed propellant which burns faster to ensure reliable performance for every shot.

The cartridges are uniformly constructed using leading techniques and equipment, including computer controlled visual inspection and the world's most accurate measuring tools.

pistol E

Anna Korakaki

2016 Olympic Gold Medalist in 25m Women's Pistol

tenex biathlon

40gr
flat nose

ELEY tenex biathlon was launched following extensive research and testing, leading to a new lubricant designed for low temperatures and an increased propellant charge for the biathlon target.

A redesigned flat nose bullet with a reduced diameter was developed for consistent chambering in adverse conditions.

tenex slow biathlon

40gr
flat nose

ELEY tenex slow biathlon features a reduced charge of propellant for lower velocity, combined with ELEY's new adverse weather lubricant this cartridge produces outstanding performance at low temperatures.

A patented flat nose bullet with a reduced diameter for consistent chambering.

match biathlon

40gr
flat nose

ELEY match biathlon is a highly accurate cartridge used for training and competing at the highest levels.

ELEY's patented flat nose profile pulls the center of pressure forward to offer increased stability.

The ELEY sponsored French Biathlon Team won 50 major medals in the 2016/2017 season.

Anais Chevalier

Jean-Guillaume Beatrix

Simon Desthieux

high velocity hollow

38gr
1130-1250fps
hollow point

ELEY high velocity hollow is the first black oxidised .22LR hunting cartridge. ELEY's engineers discovered that the oxidisation process optimises the contact point between case and bullet for greater internal ballistic consistency and a proven increase in precision.

The increased propellant pushes velocity up to 1250fps for exceptional ballistic performance without compromising accuracy.

subsonic hollow

38gr
1040-1090fps
hollow point

ELEY subsonic hollow guarantees world-class accuracy. Independent tests show that ELEY's hollow point bullet has market-leading expansion for outstanding stopping power.

One of the quietest hunting rounds available, with a non-greasy lubricant for smooth operation in all weather conditions.

Available in a 300 round rec pak.

Available in a 300 round rec pak.

Jeff Sipe
Hunter

force

42gr
1130-1250fps
round nose

ELEY force utilises a modified propellant with a distributed power curve for supersonic velocity in semi-automatic firearms.

The heavier 42-grain bullet and the matt-black oxidised case combine to produce superior energy and accuracy.

contact

42gr
1040-1090fps
round nose

ELEY contact is a subsonic round which ensures ELEY's outstanding accuracy and reliability in semi-automatic rifles and pistols.

Minimal recoil enables fast follow-up shots while the 42-grain bullet delivers greater power downrange.

Available in a 300 round rec pak.

Available in a 300 round rec pak.

Jessie Harrison

First-ever USPSA Female Grand Master; More than 60 major World and National championships

New for 2018

ELEY tenex air premium air pellets join our range of .22LR ammunition in 2018. World-class accuracy, protective packaging and precise weight control set new standards for .177 calibre air pellets.

ELEY tenex air pellets are manufactured in the UK using the strictest manufacturing and analytical processes to provide world-class accuracy.

Available to batch test at ELEY test ranges for the ultimate performance.

Available in 4.49mm, 4.50mm and 4.51mm diameter to ensure a match with all air rifles and air pistols.

Patented recyclable box - ELEY have developed protective packaging which is compartmentalised, transparent and padded to aid dispensing, travelling, and to minimise damage.

tenex air

.177cal
4.49mm

tenex air

.177cal
4.50mm

tenex air

.177cal
4.51mm

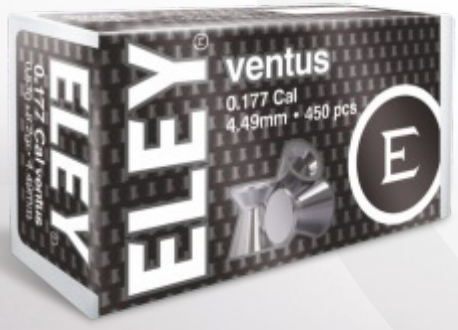
Seonaid McIntosh

ELEY ventus competition air pellets are manufactured with the highest precision and quality. ELEY's market-leading technology and testing processes ensure production tolerances are consistent throughout batches.

ELEY ventus is the pellet choice of many of the world's elite, whether shooting in competition or training you can depend on ELEY's world-class accuracy and performance.

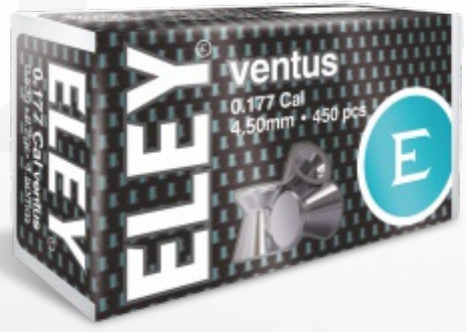
Available in 4.49mm, 4.50mm and 4.51mm diameters to ensure a match with all air rifles and air pistols.

Patented recyclable box - ELEY have developed protective packaging which is compartmentalised, transparent and padded to aid dispensing, travelling, and to minimise damage.



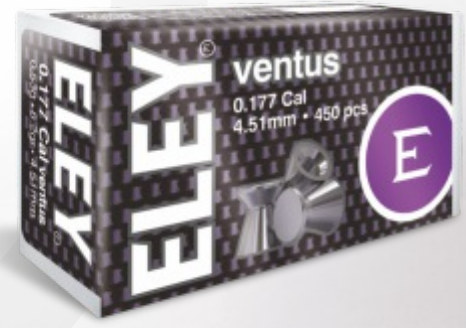
ventus

.177cal
4.49mm



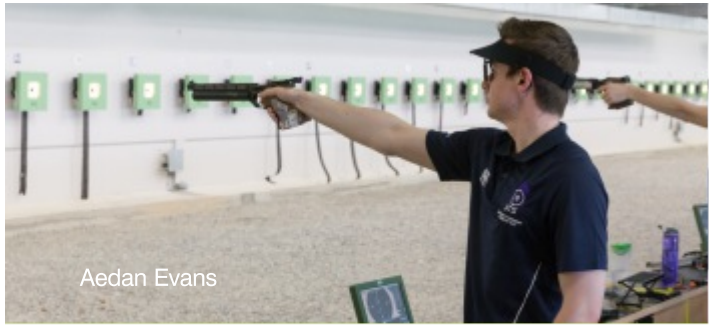
ventus

.177cal
4.50mm



ventus

.177cal
4.51mm



Aedan Evans

Katie Gleeson

Georgina Geikie

Jen McIntosh and Jack Bale

1828

ELEY is established by William and Charles Eley

1837

ELEY produces the first waterproof percussion cap

1851

ELEY products receive public recognition being displayed at the Great Exhibition of London

1874

ELEY goes public on the U.K. Stock Exchange

1951

ELEY tenex is introduced and for the first time the British Championships are won with British manufactured ammo

1964

ELEY tenex won ALL of the gold and silver medals at the Tokyo Olympic Games

1976

ELEY is used to win three gold, three silver and two bronze medals at the Montreal Olympic Games

1988

ELEY receives the Queen's Award for Technology with the development of ELEY Prime, a fully automated dry priming system

2004

ELEY is used to win 9 out of 15 Medals at the Athens Olympic Games

2008
ELEY celebrates 180 years of ammunition production

2010
ELEY is used to win 100% of medals at the Commonwealth Games in Delhi

2012
ELEY is used to win 14 out of 18 medals at the London Olympic Games

2012
ELEY opens new state-of-the-art test facility in Winters, TX

2013
ELEY edge is launched, a round nose with a patented oxidized black brass cartridge

2014
ELEY is used to win ALL of the World Championship Gold Medals in Granada, Spain

2014
ELEY Group Ltd is established

2016
ELEY wins 4 out of 6 Gold medals at the Rio Olympic Games

2017
ELEY begins manufacturing air pellets

E rifle

ammunition	description	bullet weight	cartridge length	velocity	energy
tenex	Most accurate .22LR cartridge in the world. Flat nose, extensive process control in all aspects of production and testing.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
match	Competition winning performance developed with elite measuring analytics to increase consistency and accuracy.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
edge	Patented black oxidation process improves priming and propellant burn consistency and also provides uniformed bullet release force for greater accuracy.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk

E pistol

ammunition	description	bullet weight	cartridge length	velocity	energy
tenex pistol	All the accuracy of ELEY tenex with the round nose bullet that helps feeding and chambering.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
tenex slow pistol	ELEY tenex slow pistol has a round nose profile for superior accuracy and a lower velocity for consistent recoil and feel.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
match pistol	Increases competitive performance with the round nose bullet profile for smooth functioning.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
match slow pistol	By using a faster burning propellant, ELEY match slow pistol ensures a reliable performance with improved sight picture recovery.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk

E rifle & pistol

ammunition	description	bullet weight	cartridge length	velocity	energy
club	Our mid-range competitive target cartridge that utilizes the benefits of the round nose bullet profile.	2.59g (40 grains)	25.4mm (1in)	muzzle.....331 m/sec (1085 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle.....14.5 kg/m (104.9 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds).....10.7 kg/m (77.4 ft/lb)
sport	Our entry level target cartridge with the round nose bullet profile.	2.59g (40 grains)	25.4mm (1in)	muzzle.....332 m/sec (1090 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle.....14.6 kg/m (105.6 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds).....10.7 kg/m (77.4 ft/lb)

biathlon

ammunition	description	bullet weight	cartridge length	velocity	energy
tenex biathlon	Extensive research and testing have led to a new lubricant design for low temperatures and an increased propellant charge for the biathlon target. The reduced diameter flat nose bullet aids in consistent chambering.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
tenex slow biathlon	Featuring a reduced charge of propellant for lower velocity, combined with ELEY's new adverse weather lubricant this cartridge produces outstanding performance at low temperatures.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk
match biathlon	A highly accurate cartridge used for training and competing at the highest levels with the patented flat nose bullet profile, which improves aerodynamic stability.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyser www.eley.co.uk	See ELEY lot analyser www.eley.co.uk

hunting

ammunition	description	bullet weight	cartridge length	velocity	energy
high velocity hollow	The first black oxidised .22LR hunting cartridge. ELEY's engineers discovered that the oxidisation process optimises the contact area between case and bullet for greater internal ballistic consistency and a proven increase in accuracy.	2.46g (38 grains)	25.4mm (1in)	muzzle .....381 m/sec (1250 ft/sec) 50m (55yds).....355 m/sec (1164 ft/sec) 91m (100yds).....332 m/sec (1088 ft/sec)	muzzle.....19.2 kg/m (139.0 ft/lb) 50m (55yds).....16.6 kg/m (120.0 ft/lb) 91m (100yds).....14.5 kg/m (105.0 ft/lb)
subsonic hollow	Independent tests have shown that due to the manufacturing process that preserves a sharp edge to the hollow point, ELEY's subsonic hollow has market leading expansion and stopping power.	2.46g (38 grains)	25.4mm (1in)	muzzle .....317 m/sec (1040 ft/sec) 50m (55yds) .....295 m/sec (969 ft/sec) 91m (100yds) .....276 m/sec (905 ft/sec)	muzzle .....13.3 kg/m (96.2 ft/lb) 50m (55yds) .....11.5 kg/m (83.2 ft/lb) 91m (100yds) .....10.1 kg/m (73.1 ft/lb)

recreation

ammunition	description	bullet weight	cartridge length	velocity	energy
force	Utilising a specially developed propellant for supersonic velocity and dependable functioning in semi-automatic firearms. The heavier 42 grain bullet and the black oxidised case combine to produce superior energy and accuracy.	2.7g (42 grains)	25.4mm (1in)	muzzle.....381 m/sec (1250 ft/sec) 25m (27yds).....355 m/sec (1164 ft/sec) 50m (55yds).....336 m/sec (1103 ft/sec) 91m (100yds).....314 m/sec (1031 ft/sec)	muzzle.....20.0 kg/m (144.7 ft/lb) 25m (27yds).....17.3 kg/m (125.1 ft/lb) 50m (55yds) .....15.5 kg/m (112.1 ft/lb) 91m (100yds).....13.6 kg/m (98.4 ft/lb)
contact	A subsonic round which ensures ELEY's outstanding accuracy and reliability in semi-automatic rifles and pistols. Fast sight picture recovery enables quick follow-up shots while the 42 grain bullet increases back-pressure for consistent feeding and cycling.	2.7g (42 grains)	25.4mm (1in)	muzzle.....332 m/sec (1090 ft/sec) 25m (27yds).....319 m/sec (1046 ft/sec) 50m (55yds).....308m/sec (1009 ft/sec) 91m (100yds).....292 m/sec (958 ft/sec)	muzzle.....15.2 kg/m (109.9 ft/lb) 25m (27yds).....14.0 kg/m (101.3 ft/lb) 50m (55yds).....13.1 kg/m (94.8 ft/lb) 91m (100yds).....11.7 kg/m (84.6 ft/lb)
action	A multi-purpose round engineered with legendary ELEY accuracy and performance.	2.59g (40 grains)	25.4mm (1in)	muzzle.....332 m/sec (1090 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle.....14.6 kg/m (105.6 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds).....10.7 kg/m (77.4 ft/lb)

air pellets

ammunition	description
tenex air	ELEY's premium air pellets join our range of .22LR ammunition in 2018. Weight control within batches is 30% better than any other competitor for world-class accuracy, setting new standards for .177 calibre air pellets. Available in 4.49mm, 4.50mm and 4.51mm and packed in a compartmentalised plastic container to minimise damage during travel.

air pellets

ammunition	description
ventus	Competition air pellets are manufactured with the highest precision and quality. ELEY's market-leading technology and testing processes ensure production tolerances are consistent throughout batches. Available in 4.49mm, 4.50mm and 4.51mm and packed in a compartmentalised plastic container to minimise damage during travel.

Nicco Campriani

Jessie Harrison and Jamie Corkish

At ELEY, we are extremely proud to sponsor those who actively engage in and continuously support and promote the shooting sports. We salute your enthusiasm, your competitive spirit and your unwavering commitment to excellence.

British Biathlon Union

BRITISH SHOOTING

SWISS SHOOTING

SLOSKI

NRA WORLD SHOOTING CHAMPIONSHIP

ELEY high school ALL AMERICAN shooting

American Rimfire Assoc.

Federation Francaise de Ski

CIVILIAN MARKSMANSHIP PROGRAM

Professional Shooting League

CCC

GUN FOR GLORY SHOOTING ACADEMY

USA Shooting

COMPETITIVE SHOOTING NRA SPORTS

ELEY®
accuracy defined

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