HAWKE®

FFP AMX IR

OVERVIEW

The FFP AMX IR reticle was developed specifically for first focal plane optical systems and based around the common principles of mil spaced reticles. The FFP AMX IR offers multiple aim points, useful when shooting at longer distances. Half Mil Dot spacing on the lower post provides increased aim points for long shots. The horizontal bars are positioned at 0.5, 1.5, 2.5, 3.5 and 4.5 Mil spacing. Hollow posts are segmented into Mil spacing and can be used for bracketing.

RETICLE SUBTENSIONS

MIL-MIL SETUP

The mil spaced reticle and 1/10 MRAD turrets make for easy point of aim adjustment. Every 10

clicks on the turret will measure exactly 1 mil spacing on the reticle, also known as 1 MRAD. Because of FFP this is true on all magnifications.

IMPERIAL
1 MRAD = 1yd @ 1000yds = 3.6in @ 100yds. At different ranges this MRAD gap will change: 50yds = 1.8in, 100yds = 3.6in, 200yds = 7.2in, 300yds = 10.8in.

METRIC
1 MRAD = 1m @ 1000m = 10cm @ 100m. At different ranges this MRAD gap will change: 50m = 5cm, 100m = 10cm, 200m = 20cm, 300m = 30cm.

ÜBERBLICK

Das AMX IR-Absehen mit erster Brennebene (First Focal Plane, FFP) wurde speziell für optische Systeme mit erster Brennebene entwickelt und baut auf den gängigen Prinzipien für Absehen mit Mil-Abstand auf. Das FFP AMX IR bietet verschiedene Haltepunkte, speziell geeignet für den Einsatz auf Luftgewehren oder Kalibern mit einer stark gekrümmten Flugbahn. Die halben Mil Dot Abstände auf dem unteren vertikalen Balken liefern hierfür Haltepunkte für weite Schüsse, wobei die Punkte jeweils volle Mil Abstände anzeigen und die kleinen Querbalken einen Abstand von 0.5, 1.5, 2.5, 3.5 und 4.5 Mil von Zentrum angeben. Die Hohlbalken sind auch in Mil-Abstände unterteilt und dienen der Entfernungsbestimmung.

ABSEHENS ABSTÄNDE

MIL-MIL-Setup
Das Absehen im Mil-Abstand und die 1/10 MRAD-Verstelltürme ermöglichen eine einfache Zielpunkteinstellung. Jeweils 10 Verstellschritte an dem Verstellturm entsprechen genau 1 Mil-Abstand auf dem Fadenkreuz. Aufgrund der ersten Brennebene (FFP) gilt dies für alle Vergrößerungen.

IMPERIAL
1 MRAD = 1yd @ 1000yds = 3.6in @ 100yds. Auf verschiedene Entfernungen änder sich der MRAD Abstand wie folgt: 50yds = 1.8in, 100yds = 3.6in, 200yds = 7.2in, 300yds = 10.8in.

METRISCH
1 MRAD = 1m @ 1000m = 10cm @ 100m. Auf verschiedene Entfernungen änder sich der MRAD Abstand wie folgt: 50m = 5cm, 100m = 10cm, 200m = 20cm, 300m = 30cm.

PRÉSENTATION GENÉRALE

Le réticule FFP AMX IR a été développé spécifiquement pour les systèmes optiques à premier plan focal et il utilise les principes communs à tous les réticules avec marquage tous les mil. Ils disposent de points de visée multiples, très pratiques pour les tirs à longues distances. L'espacement ½ Mil sur le trait inférieur fournit des points de visée supplémentaires pour les distances les plus élevées. Les autres points de visée sont espacés de 0,5, 1, 1,5 et 2 Mil. Les traits latéraux de dérive sont segmentés en Mil et peuvent être utilisés en support.

SUBTENSIONS DU RÉTICULE

CONFIGURATION MIL-MIL

Le réticule marqué tous les mil et les tourelles 1/10 MRAD facilitent le réglage du point de visée. 10 clics sur la tourelle correspondront exactement à un espacement de 1mil sur le réticule. Grâce au réticule FFP, ceci est vrai pour tous les grossissements.

IMPERIAL (Unités anglo-saxonnes)

1 MRAD = 1yd @ 1000yds = 3.6in @ 100yds. À des distances différentes, cet intervalle MRAD variera. 50yds = 1.8in, 100yds = 3.6in, 200yds = 7.2in, 300yds = 10.8in.

METRIC (Unités métriques)
1 MRAD = 1m @ 1000 m = 10 cm @ 100 m À des distances différentes, cet intervalle MRAD variera. 50 m = 5 cm, 100 m = 10 cm, 200 m = 20 cm, 300 m = 30 cm.

INFORMACIÓN GENERAL

La retícula FFP AMX IR se ha diseñado de forma específica para sistemas ópticos de primer plano focal tomando como base los principios comunes a las retículas espaciadas por milirradianes. La FFP AMX IR ofrece múltiples puntos de mira, lo que resulta útil cuando se dispara a grandes distancias. El espaciamiento de medio (Mil) en el poste inferior proporciona más puntos de mira para tiros largos. Las barras horizontales se posicionan con un espaciamiento Milimétrico de 0,5, 1,5, 2,5, 3,5 y 4,5 (Mils). Los postes huecos se

segmentan en un espaciamiento en Mils y pueden utilizarse para el horquillado de agrupación precisa (bracketing).

SUBTENSIONES DE LA RETÍCULA

CONFIGURACIÓN MIL-MIL

Las retículas espaciadas en milirradianes y las torretas 1/10 MRAD ofrecen un ajusto sencillo del punto de mira. 10 clics de la torreta equivalen exactamente a un espaciado de 1 milirradián en la retícula. Dado que se trata de un sistema de primer plano focal, esto es aplicable a cualquier aumento.

IMPERIAL
1 MRAD = 1 yd @ 1000 yd = 3,6 in @ 100 yd. A diferentes alcances, este espacio en MRAD variará: 50 yd = 1,8 in, 100 yd = 3,6 in, 200 yd = 7,2 in, 300 yd = 10,8 in.

MÉTRICA
1 MRAD = 1 m @ 1000 m = 10 cm @ 100 m. A diferentes alcances, este espacio en MRAD variará: 50 m = 5 cm, 100 m = 10 cm, 200 m = 20 cm, 300 m = 30 cm.

INTRODUZIONE

Il reticolo FFP AMX IR è stato realizzato appositamente per le ottiche sul primo piano focale, e si basa sui principi comuni dei reticoli con distanziatori mil. Offre un reticolo illuminato, con riferimenti di mira in elevazione e brandeggio perfetti per la traiettoria dei pallini.

Le spaziature di mezzo Mil sulla parte inferiore del reticolo forniscono ulteriori punti di riferimento per i tiri più lunghi. I riferimenti addizionali sul reticolo hanno una spaziatura di 0,5, 1, 1,5 e 2 Mil.

SOTTOTENSIONI DEL RETICOLO

IMPOSTAZIONE MIL/MIL

Con il reticolo con distanziatori mil e torrette 1/10 MRAD, regolare il punto di mira è facile. 10 scatti sulla torretta equivalgono esattamente a una distanza di 1 ml sul reticolo. Grazie al primo piano focale (FFP), questo vale a tutti i livelli di ingrandimento

SISTEMA IMPERIALE BRITANNICO

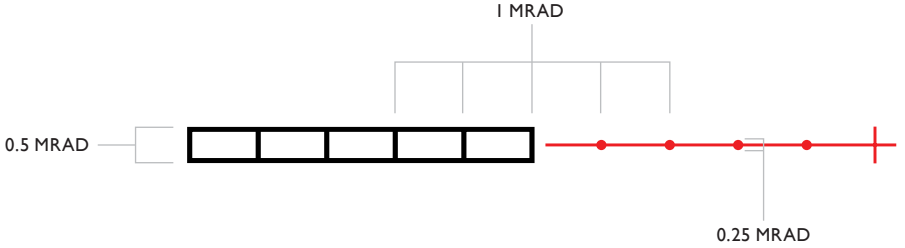
1 MRAD = 1 iarda a 1000 iarde = 3,6 pollici a 100 iarde. A distanze diverse, questo spazio

MRAD cambierà: 50 iarde = 1,8 pollici, 100 iarde = 3,6 pollici, 200 iarde = 7,2 pollici, 300 iarde = 10,8 pollici.

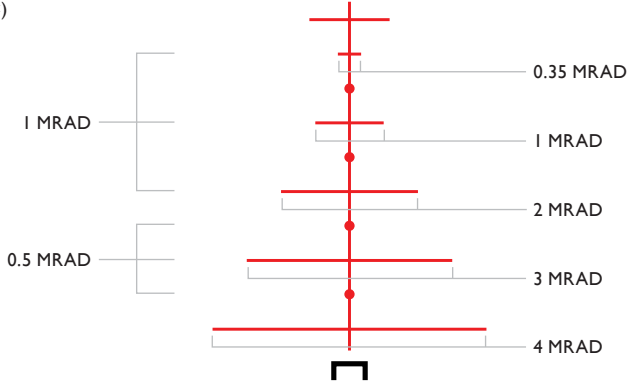
SISTEMA METRICO DECIMALE

1 MRAD = 1m a 1000m = 10cm a 100m. A distanze diverse, questo spazio MRAD cambierà: 50 m = 5cm, 100 m = 10cm, 200 m = 20cm, 300 m = 30cm.

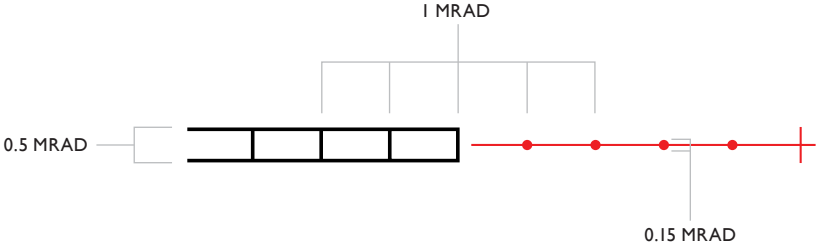
FFP AMX IR (16×)



FFP AMX IR (16×)



FFP AMX IR (24×)



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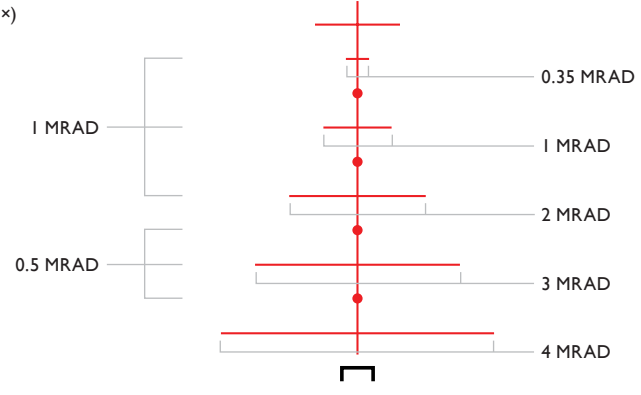
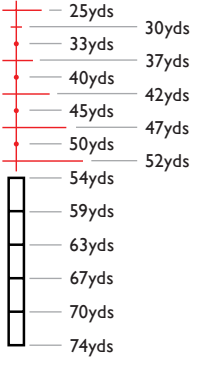


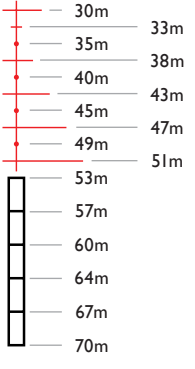
.22 AIRGUN (12ft/lb)

Muzzle Velocity: 560fps
Ballistic Coefficient: 0.0183
Zero Range: 25yds



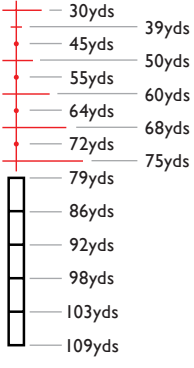
.22 AIRGUN (16 Joules)

Muzzle Velocity: 171m/s
Ballistic Coefficient: 0.0183
Zero Range: 30m



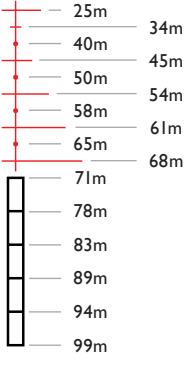
.177 AIRGUN (12ft/lb)

Muzzle Velocity: 786fps
Ballistic Coefficient: 0.0193
Zero Range: 30yds



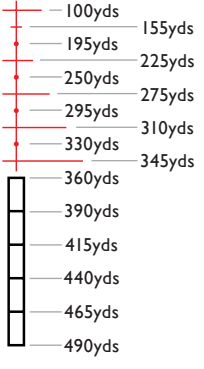
.177 AIRGUN (16 Joules)

Muzzle Velocity: 240m/s
Ballistic Coefficient: 0.0193
Zero Range: 25m



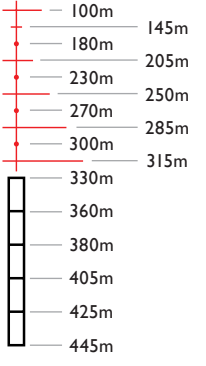
.17 HMR RIMFIRE

Muzzle Velocity: 2550fps
Ballistic Coefficient: 0.1251
Zero Range: 100yds



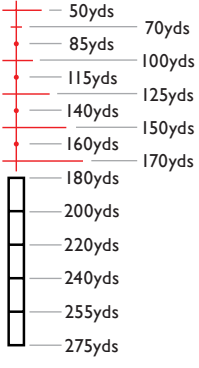
.17 HMR RIMFIRE

Muzzle Velocity: 777m/s
Ballistic Coefficient: 0.1251
Zero Range: 100m



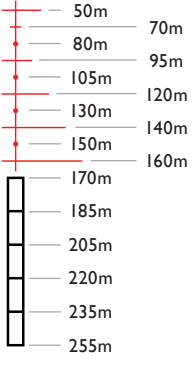
.22 LR HV RIMFIRE

Muzzle Velocity: 1260fps
Ballistic Coefficient: 0.1300
Zero Range: 50yds



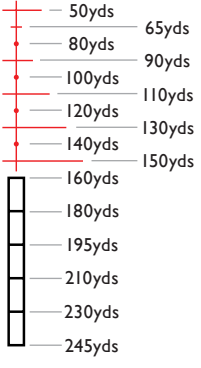
.22 LR HV RIMFIRE

Muzzle Velocity: 384m/s
Ballistic Coefficient: 0.1300
Zero Range: 50m



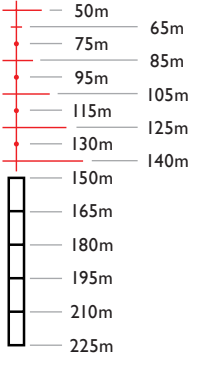
.22 LR SUB RIMFIRE

Muzzle Velocity: 1057fps
Ballistic Coefficient: 0.1300
Zero Range: 50yds



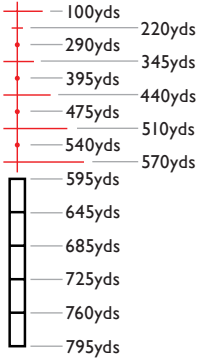
.22 LR SUB RIMFIRE

Muzzle Velocity: 322m/s
Ballistic Coefficient: 0.1300
Zero Range: 50m



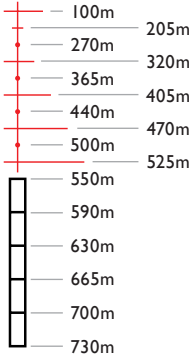
.223 REM CENTERFIRE

Muzzle Velocity: 3240fps
Ballistic Coefficient: 0.2135
Zero Range: 100yds



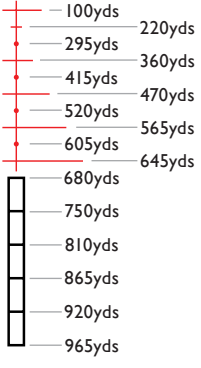
.223 REM CENTERFIRE

Muzzle Velocity: 988m/s
Ballistic Coefficient: 0.2135
Zero Range: 100m



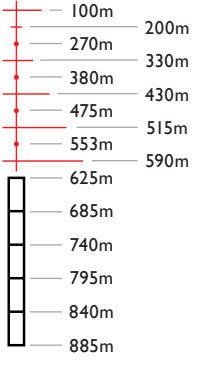
.243 WIN CENTERFIRE

Muzzle Velocity: 2960fps
Ballistic Coefficient: 0.3691
Zero Range: 100yds



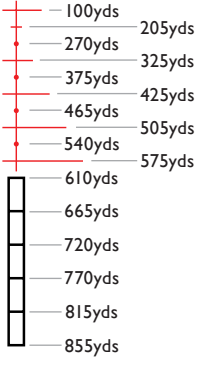
.243 WIN CENTERFIRE

Muzzle Velocity: 902m/s
Ballistic Coefficient: 0.3691
Zero Range: 100m



.308 WIN CENTERFIRE

Muzzle Velocity: 2820fps
Ballistic Coefficient: 0.3208
Zero Range: 100yds



.308 WIN CENTERFIRE

Muzzle Velocity: 860m/s
Ballistic Coefficient: 0.3208
Zero Range: 100m