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5.45x39 CARTRIDGES

Bullet weight, gram/grain	3.85/60
Sleeve length, mm	39.5 – 39.7
Ballistic coefficient (G1)	0.347
Muzzle Velocity V_0 , m/sec (ft/sec)	940 (3084)
Muzzle energy E_0 , J (ft/lb)	1594 (1176)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	5(200)R/1.97
Maximum powder pressure, bar (lb/inch ²)	3550 (51488)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	57 (2.24)
Average weight, gram (grain)	10.9 (168)
Gunpowder mass, gram	1.4 – 1.5

PACKAGE (CARDBOARD BOX)

Rounds per box	30
Rounds per case	750/1500
Boxes per case	25/50



5.56x45 (.223 REM) CARTRIDGES

Bullet weight, gram/grain	3.56/55
Ballistic coefficient (G1)	0.225
Muzzle Velocity V_0 , m/sec (ft/sec)	994 (3261)
Muzzle energy E_0 , J (ft/lb)	1761 (1299)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	10/3.94
Maximum powder pressure, bar (lb/inch ²)	4000 (58015)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	57.3 (2.26)
Average weight, gram (grain)	10.6 (164)

PACKAGE (CARDBOARD BOX)

Rounds per box	20
Rounds per case	500/1000
Boxes per case	25/50



7.62x39 CARTRIDGES

Bullet weight, gram/grain	8.0/123
Sleeve length, mm	38.7 – 39.0
Ballistic coefficient (G1)	0.294
Muzzle Velocity V_0 , m/sec (ft/sec)	775 (2543)
Muzzle energy E_0 , J (ft/lb)	2405 (1774)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	8/3.15
Maximum powder pressure, bar (lb/inch ²)	3200 (46412)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	56 (2.205)
Average weight, gram (grain)	16.4 (253)
Gunpowder mass, gram	1.3 – 3.2

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	500/1000
Boxes per case	10/20



7.62x39 (FMJ) CARTRIDGES

Bullet weight, gram/grain	8.0/123
Bullet core	Lead
Sleeve length, mm	38.7 – 39.0
Ballistic coefficient (G1)	0.294
Muzzle Velocity V_0 , m/sec (ft/sec)	775 (2543)
Muzzle energy E_0 , J (ft/lb)	2405 (1774)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	8/3.15
Maximum powder pressure, bar (lb/inch ²)	3200 (46412)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	56 (2.205)
Average weight, gram (grain)	16.4 (253)
Gunpowder mass, gram	1.3 – 3.2

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	500/1000
Boxes per case	10/20



7.62x39 (7N23) CARTRIDGES

Bullet weight, gram	7.75 – 8.05
Bullet core	Tool steel
Sleeve length, mm	38.7 – 39.0
Ballistic coefficient (G1)	0.294
Muzzle Velocity V_0 , m/sec (ft/sec)	775 (2543)
Muzzle energy E_0 , J (ft/lb)	2405 (1774)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	8/3.15
Maximum powder pressure, bar (lb/inch ²)	3200 (46412)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	56 (2.205)
Average weight, gram (grain)	16.4 (253)
Gunpowder mass, gram	1.3 – 3.2

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	500/1000
Boxes per case	10/20



7.62x39 (57-N-231S) CARTRIDGES

Bullet weight, gram	7.75 – 8.05
Bullet core	Steel St10
Sleeve length, mm	38.7 – 39.0
Ballistic coefficient (G1)	0.294
Muzzle Velocity V_0 , m/sec (ft/sec)	775 (2543)
Muzzle energy E_0 , J (ft/lb)	2405 (1774)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	8/3.15
Maximum powder pressure, bar (lb/inch ²)	3200 (46412)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	56 (2.205)
Average weight, gram (grain)	16.4 (253)
Gunpowder mass, gram	1.3 – 3.2

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	500/1000
Boxes per case	10/20



7.62x51 (.308 WIN) CARTRIDGES

Bullet weight, gram/grain	9.4/145
Sleeve length, mm	51.1 – 51.2
Ballistic coefficient (G1)	0.383
Muzzle Velocity V_0 , m/sec (ft/sec)	840 (2756)
Muzzle energy E_0 , J (ft/lb)	3319 (2448)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	10/3.94
Maximum powder pressure, bar (lb/inch ²)	3650 (52939)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	29.65 (1.17)
Average weight, gram (grain)	11.6 (179)
Gunpowder mass, gram	3.1

PACKAGE (CARDBOARD BOX)

Rounds per box	20
Rounds per case	500
Boxes per case	25



7.62x54R CARTRIDGES

Bullet weight, gram/grain	9.6/148
Sleeve length, mm	53.5 – 54.0
Ballistic coefficient (G1)	0.381
Muzzle Velocity V_0 , m/sec (ft/sec)	805 (2641)
Muzzle energy E_0 , J (ft/lb)	3110 (2294)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	10/3.94
Maximum powder pressure, bar (lb/inch ²)	3400 (49313)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	77.16 (3.04)
Average weight, gram (grain)	21.725 (319)
Gunpowder mass, gram	3.1 – 3.2

PACKAGE (CARDBOARD BOX)

Rounds per box	20
Rounds per case	500
Boxes per case	25



9x18 CARTRIDGES

Bullet weight, gram/grain	6.1/94
Sleeve length, mm	17.9 – 18.1
Ballistic coefficient (G1)	0.100
Muzzle Velocity V_0 , m/sec (ft/sec)	346 (1135)
Muzzle energy E_0 , J (ft/lb)	366 (270)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	3.2/1.26
Maximum powder pressure, bar (lb/inch ²)	1600 (23206)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	25 (0.98)
Average weight, gram (grain)	10.5 (162)
Gunpowder mass, gram	0.25

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	1000
Boxes per case	20



9x18 (FMJ) CARTRIDGES

Bullet weight, gram/grain	6.1/94
Bullet core	Lead
Sleeve length, mm	17.9 – 18.1
Ballistic coefficient (G1)	0.100
Muzzle Velocity V_0 , m/sec (ft/sec)	346 (1135)
Muzzle energy E_0 , J (ft/lb)	366 (270)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	3.2/1.26
Maximum powder pressure, bar (lb/inch ²)	1600 (23206)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	25 (0.98)
Average weight, gram (grain)	10.5 (162)
Gunpowder mass, gram	0.25

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	1000
Boxes per case	20



9x18 (57-N-181S) CARTRIDGES

Bullet weight, gram	5.95 – 6.1
Bullet core	Steel St10
Sleeve length, mm	17.9 – 18.1
Ballistic coefficient (G1)	0.100
Muzzle Velocity V_0 , m/sec (ft/sec)	346 (1135)
Muzzle energy E_0 , J (ft/lb)	366 (270)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	3.2/1.26
Maximum powder pressure, bar (lb/inch ²)	1600 (23206)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	25 (0.98)
Average weight, gram (grain)	10.5 (162)
Gunpowder mass, gram	0.25

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	1000
Boxes per case	20



9x19 CARTRIDGES

Bullet weight, gram/grain	7.48/115
Sleeve length, mm	19.9 – 19.15
Ballistic coefficient (G1)	0.127
Muzzle Velocity V_0 , m/sec (ft/sec)	405 (1329)
Muzzle energy E_0 , J (ft/lb)	614 (453)
Buller dispersion R_{50} cm (inch) (at distance 200 m (219 yards))	8.5/3.34
Maximum powder pressure, bar (lb/inch ²)	2350 (34084)
Case	Steel lacquer
Primer	Berdan

CARTRIDGE

Maximum length, mm (inch)	29.65 (1.17)
Average weight, gram (grain)	11.6 (179)
Gunpowder mass, gram	0.3

PACKAGE (CARDBOARD BOX)

Rounds per box	50
Rounds per case	500/1000
Boxes per case	10/20



12.7x108 CARTRIDGES

Bullet weight, gram	48.2
Sleeve material	Bimetal
Case	Steel lacquer
Primer	Berdan
Sheath material	Brass
Sleeve length, mm	108
Muzzle Velocity V_0 , m/sec	840
Muzzle energy E_0 , J	16930
Buller dispersion R_{50} cm (inch) (at distance 300 m)	18
Maximum powder pressure, MPa	303.8

CARTRIDGE

Maximum length, mm	55.8 – 57
Average weight, gram	130 – 137
Gunpowder mass, gram	1.4 – 1.5

PACKAGE (CARDBOARD BOX)

Rounds per box	5
Cardboard box	75
Pallet	6000

