

**BÖHLER SPECIAL PLATES -
DO THE JOB ALL OVER THE WORLD**



**BULLET-RESISTANT
SHEETS AND PLATES**

BULLET-RESISTANT SHEETS AND PLATES



For the protection of non-military installations and of the civil population, BOHLER BLECHE offers bullet-resistant sheets and plates.



These sheets and plates serve for the protection of vehicles, e.g.

- **Bullion vehicles**

- **High security motor vehicles**

and of stationary installations such as

- **Banks**

- **Public buildings**

- **Industrial plants etc.**

We are faced with two types of requirements:

- **Protection against projectile from hand guns and shot guns**

- **Protection against high-velocity projectile from assault rifles**

BÖHLER K700

| Böhler Grade | Chemical Composition [wt%] | | Standards | |
|--------------|----------------------------|------|--------------------|----------|
| | C | Mn | DIN | AFNOR |
| K700 | 1.2 | 12.5 | 1.3401 X120Mn12 | Z120Mn12 |

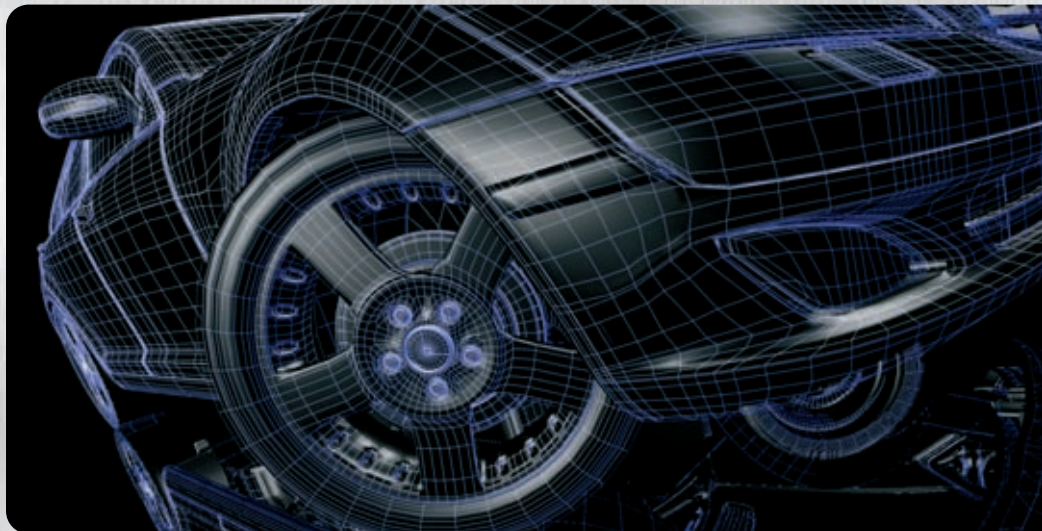


Firing data for hand guns and shotguns Firing angle 90° / Firing distance 5 m

| Type of weapon | Caliber | Type of projectile | Minimum sheet thickness [mm] |
|----------------|-------------|---|------------------------------|
| HANDGUN | 9mm Para | Lead core | 2.0 |
| | | Hard core | 2.5 |
| HANDGUN | .357 Magnum | Lead core Metal pointed Semi-jacked | 2.5 |
| HANDGUN | .44 Magnum | Lead core Semi-jacked | 3.0 |
| SHOTGUN | 12x70 | „Brenneke“ | 2.5 |

BÖHLER V720

| Böhler Grade | Chemical Composition [wt%] | | | | | | Standards | |
|--------------|----------------------------|------|-------|------|------|------|--------------------------|------------|
| | C | Mo | Ni | Co | Ti | Al | DIN | AISI |
| V720 | Max. 0.03 | 5.00 | 18.50 | 9.00 | 0.70 | 0.10 | 1.6358 X2NiCoMo18-9-5 | Marage 300 |



| Firing data for infantry arms Firing angle 90° / Firing distance 30 m | | | |
|--|-----------|------------------------|------------------------------|
| Type of weapon | Caliber | Type of projectile | Minimum plate thickness [mm] |
| ASSAULT RIFLE | 7.62 x 39 | Lead core | 5.0 |
| ASSAULT RIFLE | 5,56 x 45 | Lead core | 7.0 |
| ASSAULT RIFLE | 7.62 x 51 | Lead core Hard core | 6.5 8.5 |

BÖHLER K600

| Böhler Grade | Chemical Composition [wt%] | | | | | | Standard |
|--------------|----------------------------|------|------|------|------|------|-----------------------|
| | C | Si | Mn | Cr | Mo | Ni | DIN |
| K600 | 0.45 | 0.25 | 0.40 | 1.30 | 0.25 | 4.00 | ~1.2767 X45NiCrMo4 |



Firing data for handguns and infantry arms
Firing angle 90° / Firing distance 5 m for shotguns, 10 m for infantry arms

| Type of weapon | Caliber | Firing class according DIN EN 1522 | Type of projectile | Minimum plate thickness [mm] |
|----------------|-------------|------------------------------------|--|------------------------------|
| HANDGUN | .357 Magnum | PM4 | Lead core | 2.7 |
| HANDGUN | .44 Magnum | PM4 | Lead core | 2.7 |
| ASSAULT RIFLE | 7.62 x 51 | PM6 | Lead core | 7.0 |
| ASSAULT RIFLE | 5.56 x 45 | PM6 | Lead core with steel Penetrator (type SS109) | 7.0 |

BÖHLER W360

| Böhler Grade | Chemical Composition [wt%] | | | | | | Standard |
|--------------|----------------------------|------|------|------|------|------|----------|
| | C | Si | Mn | Cr | Mo | V | DIN |
| W360 | 0.50 | 0.20 | 0.25 | 4.50 | 3.00 | 0.55 | – |



Firing data for infantry arms Firing angle 90° / Firing distance 10 m

| Type of weapon | Caliber | Firing class according DIN EN 1522 / STANAG 4569 | Type of projectile | Minimum plate thickness [mm] |
|----------------|-----------|--|--------------------|------------------------------------|
| ASSAULT RIFLE | 7.62 x 51 | PM7 | Steel core | 9.3 |
| ASSAULT RIFLE | 5.56 x 45 | Ammunition M193 | Lead core | 9.3 |



Werk Müzzuschlag / Plant Müzzuschlag



Werk Hönigsberg / Plant Hönigsberg



CONTACTS

Mr. Lendl Franz

Head of Business Area
Tool Steel and High Speed Steel
Phone: +43 3852 555 26300
Mail: Franz.Lendl@bohler-bleche.at

Mr. Eder Harald

Technologist
Phone: +43 3852 555 26305
Mail: Harald.Eder@bohler-bleche.at

BÖHLER BLECHE GMBH & CO KG

**BÖHLER-GASSE 1
P.O. BOX 28
8680 MÜRZZUSCHLAG
AUSTRIA**

www.bohler-bleche.com

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