



Trouble-free die cutting of rigid and abrasive materials (e.g. gaskets, stiff plastics, compounds, board books, wood) requires cutting rules with specific properties. The main requirements are wear resistance and high stability of the cutting edge. Standard high quality rule criteria such as good bendability, low cutting force and long tool life are guaranteed.

BÖHLER X-tra is the innovative cutting solution particularly suitable for such applications.

High edge hardness (deep HF-hardening) in combination with body hardness at UNIVERSAL 40 level grants **BÖHLER X-tra** high stability during die-cutting including good bendability.

## BÖHLER X-tra – the cutting rule for rigid substrates

### RULE SPECIFICATION:

#### BÖHLER X-tra

Hardness:	body edge	~ 390 HV (40 HRC) ~ 700 HV (59 HRC)
Edge hardening:		deep hardening to ~ 0,35 mm
Bendability:		$\alpha = 80^\circ / R \sim 0,3 \text{ mm}$
Thickness:		2 pt and 3 pt
Heights:		23,80 mm (.937") (other heights on request)
Bevels:		CF and CFDB
Bevel finish:		shaved
Cutting edge angle:		42°

### BENEFITS:

- long tool life
- good wear resistance
- high edge stability
- easy processing

### FEATURES:

- harder rule body
- highest edge hardness
- deep edge hardening
- good bendability

### APPLICATION:

- gaskets
- stiff plastic
- compounds
- rigid & thick substrates



**BÖHLER UDDEHOLM**  
precision *strip*