



- FTO-(M)-(H)-GDXL
- TDXL
- SH-DRL
- VPH-GDS
- EX-H-DRL
- VX-OT
- V-XPM-HT
- WX-PNC
- WXO-ST-PNC
- VT-TI-SFT/POT
- H-SFT/POT
- Z-SFT/POT
- CBN SERIES
- HYP-CR-HI-WEMS
- WXL-PC-EBD
- WXL-(WXS)-SERIES
- WX/WXS-(HS)-CRE
- NEO SERIES



Mold & Die Industry

Plastic Injection

Plastic Injection

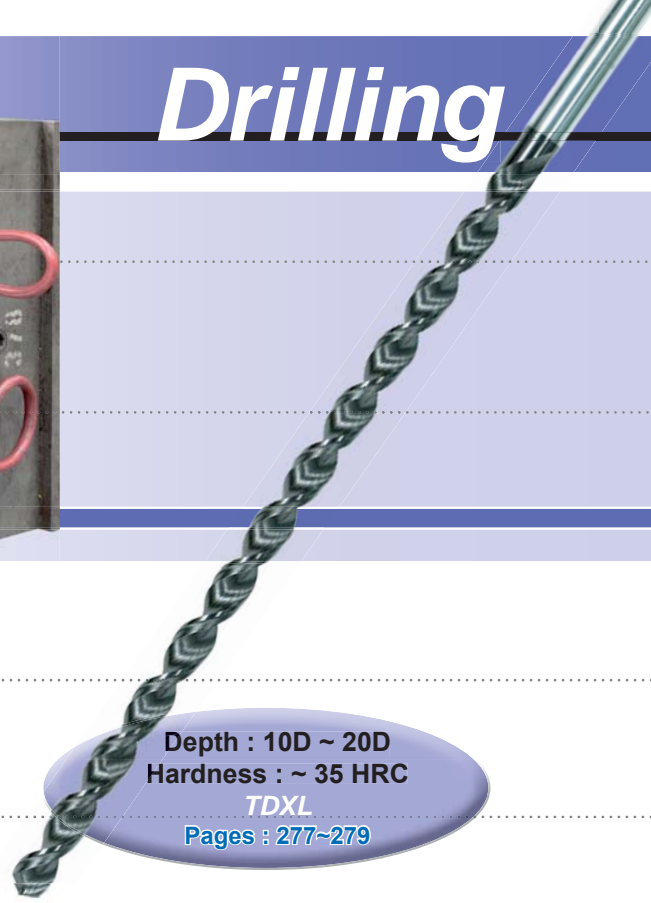
Taps
Drills
End Mills



Drilling



Depth : $\leq 4D$
Hardness : 45 ~ 50 HRC
VPH-GDS
Pages : 255-256

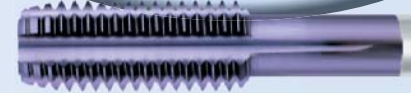


Depth : 10D ~ 20D
Hardness : ~ 35 HRC
TDXL
Pages : 277~279

Tapping



Thru/Blind
Hardness : 52 ~ 62 HRC
VX-OT
Page : 85



Thru/Blind
Hardness : 35 ~ 45 HRC
WX-PNC
Pages : 35~38

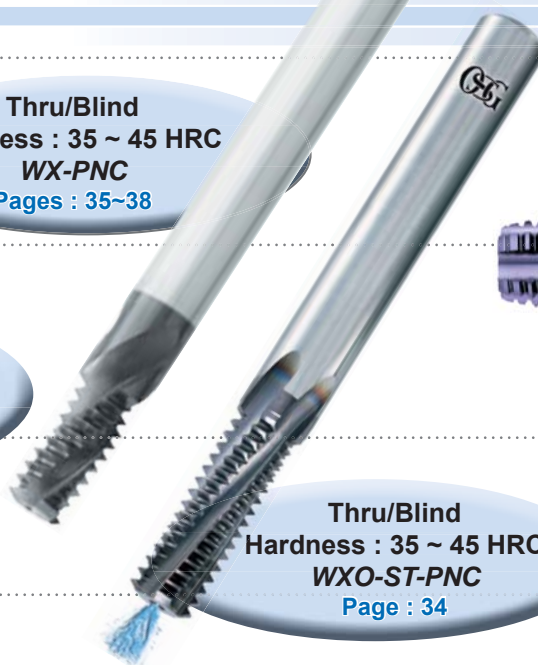


Broken tap removal drill
Hardness : 50 ~ 70 HRC
EX-H-DRL
Page : 254

Thru/Blind
Hardness : 42 ~ 52 HRC
V-XPM-HT
Page : 84



Thru/Blind
Hardness : 35 ~ 45 HRC
WXO-ST-PNC
Page : 34



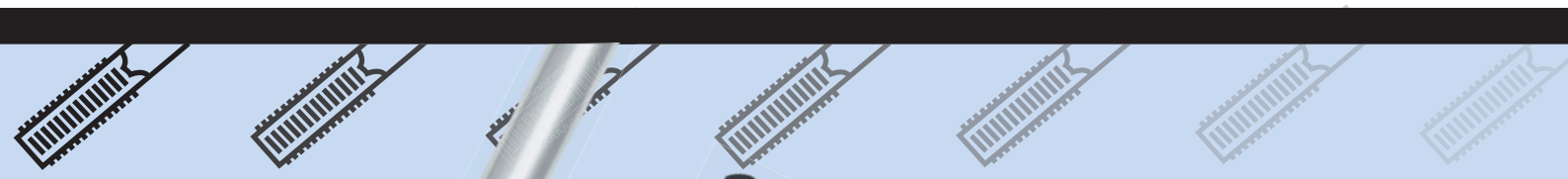


Depth : 10D ~ 30D
Hardness : ~ 35 HRC
FTO-GDXL
Pages : 241-242

Depth : 20D
Hardness : 35 ~ 45 HRC
FTO-M-GDXL
Page : 243

Depth : 20D
Hardness : 45 ~ 55 HRC
FTO-H-GDXL
Page : 244

Depth : ≤ 4D
Hardness : 50 ~ 70 HRC
SH-DRL
Pages : 252-253



Thru
Hardness : 35 ~ 45 HRC
V-TI-POT
Pages : 52-125-143

Blind
Hardness : 35 ~ 45 HRC
V-TI-SFT
Pages : 74-135-151

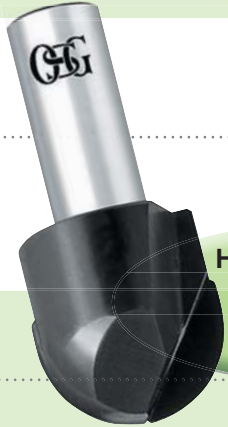
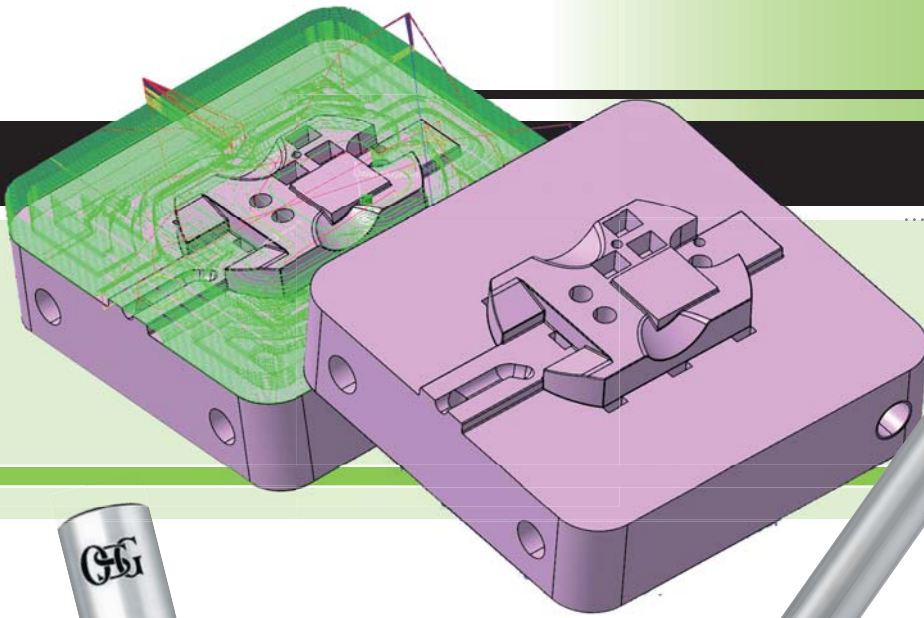
Thru
Hardness : 25 ~ 45 HRC
H-POT
Pages : 49-140

Blind
Hardness : 25 ~ 45 HRC
H-SFT
Pages : 71-132-148

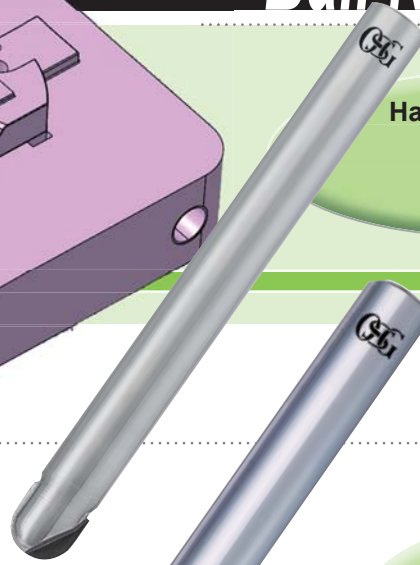
Thru
Hardness : ~ 35 HRC
Z-POT
Pages : 86-113

Blind
Hardness : ~ 35 HRC
Z-SFT
Pages : 90-114

Milling Ball Nose End Mills



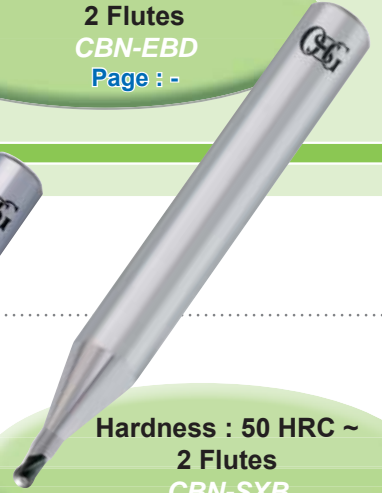
Hardness : 50 HRC ~
2 Flutes
CBN-EBD-SF
Page : -



Hardness : 50 HRC ~
2 Flutes
CBN-EBD
Page : -



Hardness : 50 HRC ~
2 Flutes
CBN-LN-SXB
Page : -



Hardness : 50 HRC ~
2 Flutes
CBN-SXB
Page : 460



Corner Radius End Mills



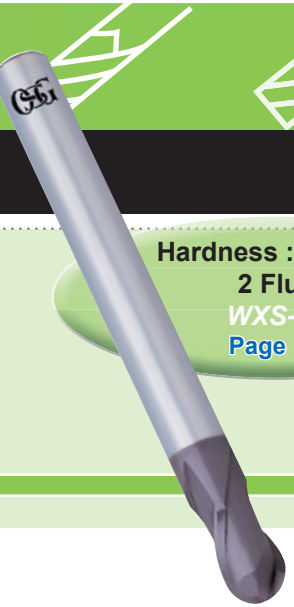
Hardness : 50 HRC ~
2 Flutes
CBN-CR-EDS
Page : -



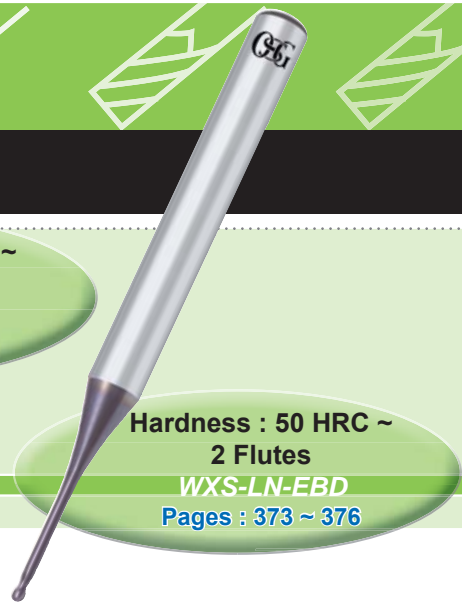
Hardness : 50 HRC ~
2 Flutes
CBN-SXR
Page : -



Hardness : 50 HRC ~
2 Flutes
CBN-LN-SXR
Page : -



Hardness : 50 HRC ~
2 Flutes
WXS-EBD
Page : 372



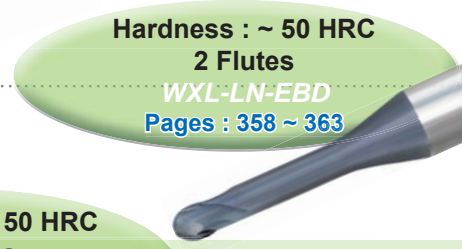
Hardness : 50 HRC ~
2 Flutes
WXS-LN-EBD
Pages : 373 ~ 376



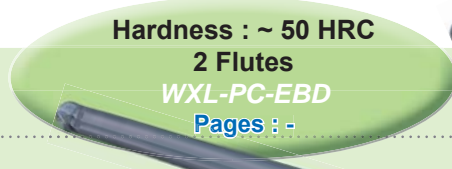
Hardness : ~ 50 HRC
2 Flutes
WXL-EBD
Page : 357



Hardness : 50 HRC ~
2 Flutes
WXS-HS-EBD
Page : 371



Hardness : ~ 50 HRC
2 Flutes
WXL-LN-EBD
Pages : 358 ~ 363



Hardness : ~ 50 HRC
2 Flutes
WXL-PC-EBD
Pages : -



Hardness : ~ 60 HRC
2 Flutes
WXS-CPR
Pages : 377 ~ 382



Hardness : ~ 55 HRC
4 Flutes
HYP-CR-HI-WEMS
Page : 416

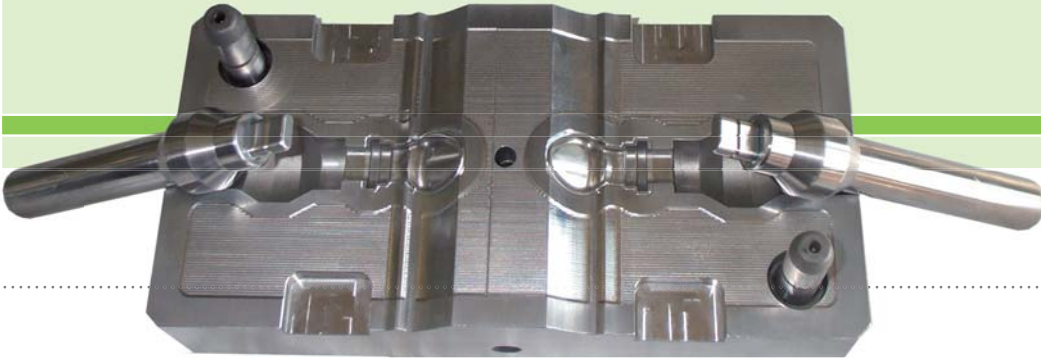


Hardness : ~ 55 HRC
4 Flutes
NEO-CR-PHS
Pages : 344



Hardness : ~ 55 HRC
6 Flutes
NEO-CR-EMS
Page : 346

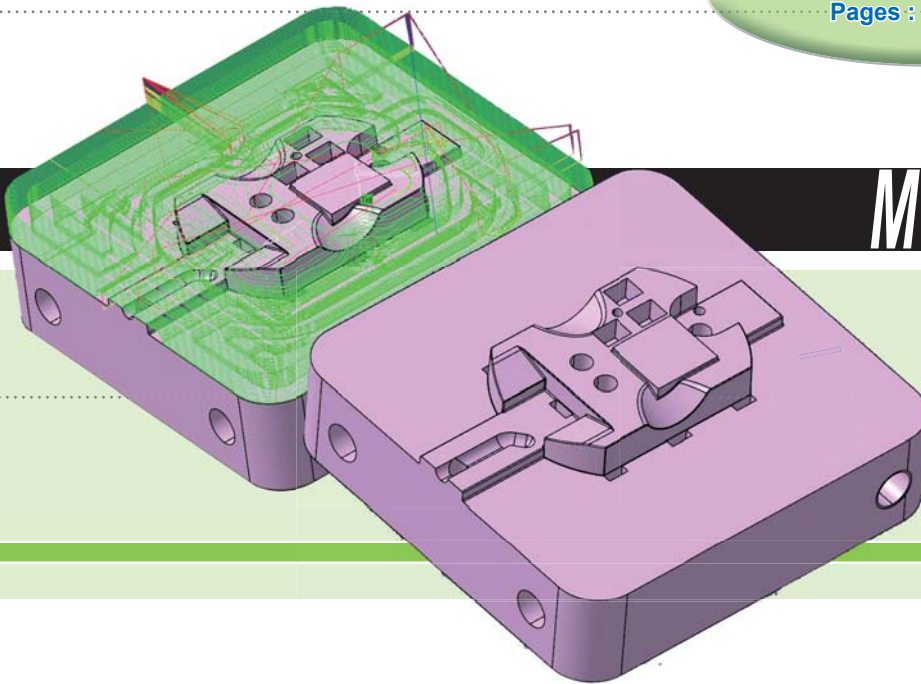
Milling Slotting End Mills



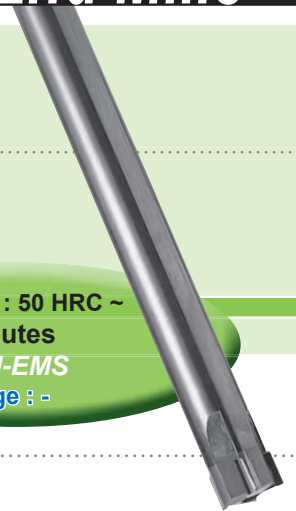
2 Flutes
WXL-LN-EDS
Pages : 377 ~ 382



Multiflutes End Mills



Hardness : 50 HRC ~
4 Flutes
CBN-EMS
Page : -

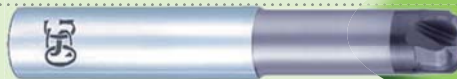


Super Radius End Mills

Hardness : ~ 60 HRC
3/4 Flutes
WX-CRE
Page : 396



Hardness : ~ 60 HRC
3/4 Flutes
WX-HS-CRE
Page : 396





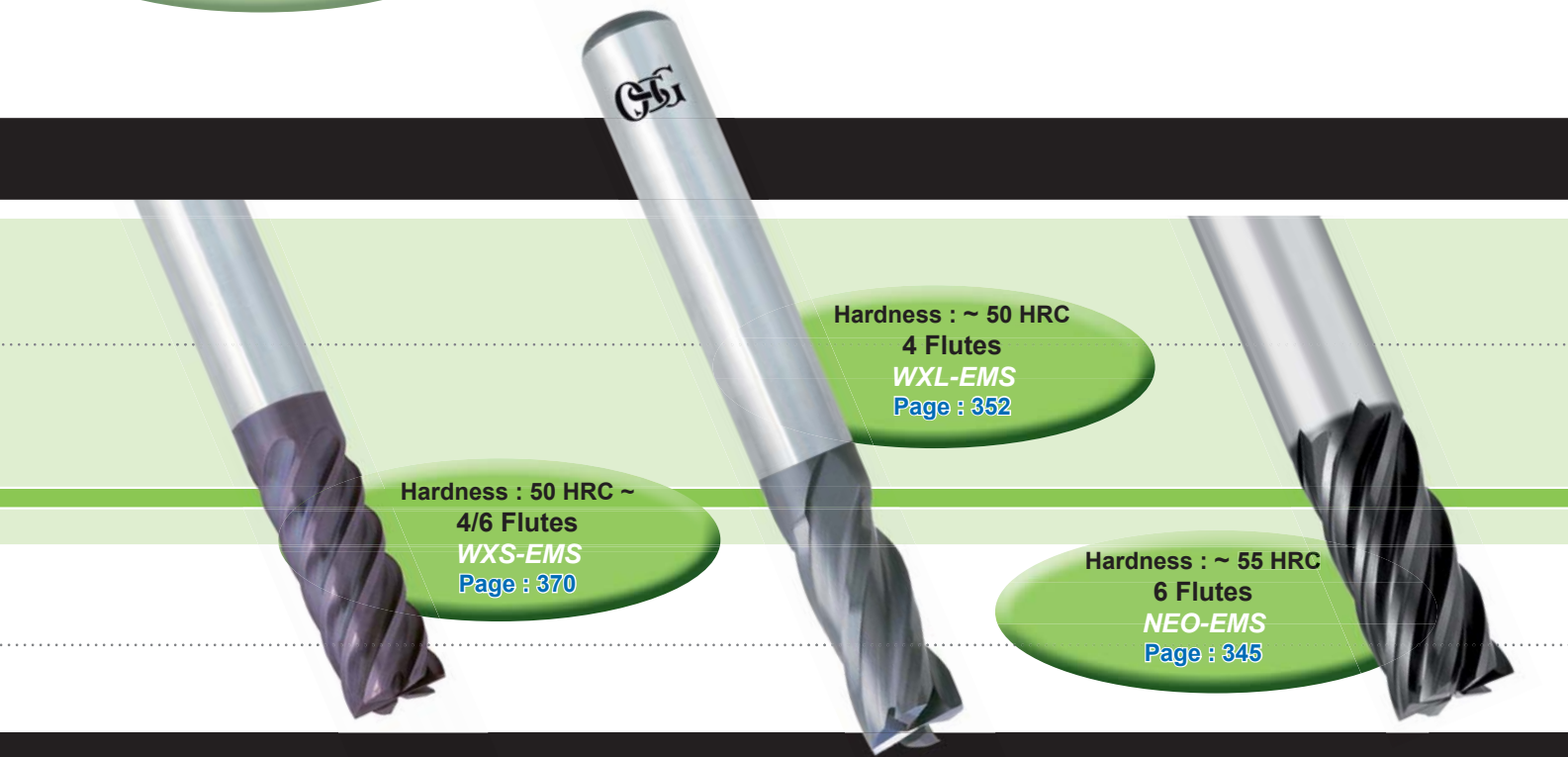
2 Flutes
WXL-1,5D-DE
Page : 347

2 Flutes
WXL-2D-DE
Page : 348

2 Flutes
WXL-4D-DE
Page : 350

4 Flutes
NEO-PHS
Page : 343

2 Flutes
WXL-3D-DE
Page : 349



Hardness : ~ 50 HRC
4 Flutes
WXL-EMS
Page : 352

Hardness : 50 HRC ~
4/6 Flutes
WXS-EMS
Page : 370

Hardness : ~ 55 HRC
6 Flutes
NEO-EMS
Page : 345



Hardness : ~ 65 HRC
5 Flutes
WXS-CRE
Page : 369

Hardness : ~ 65 HRC
5 Flutes
WXS-HS-CRE
Page : 368



Plastic Injection

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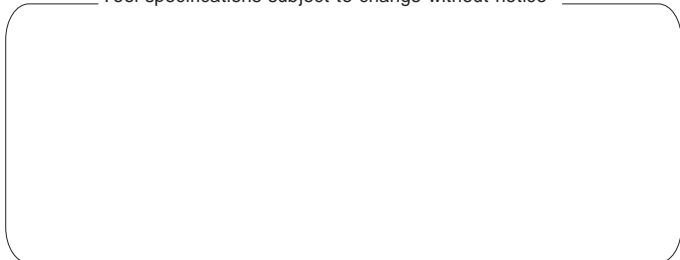
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