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## White Paper

### Modification of Power Draw Bars

The design of the drawbars has been modified in order to address the problems shown below. These new drawbars are available to order now.

#### Problems

- Failure to engage the drive motor fully at the drive spline.
- Poor thread engagement of the tool holder.

#### Design changes

- The drawbar is now hardened.
- The drawbar has been lengthened for more thread engagement.
- The drive splines have been lengthened for better engagement.

#### Part numbers

Order this	If you have this
22605	Two-axis K2 or K3; DPM E2; DPM SX2
22641-CAT or 22641-NMTB	Two-axis K4; Sport B5; DPM5; DPM SX3; DPM SX5; DPM S5
22603-CAT or 22603-NMTB	TRM; DPM/AGE3, Sport B3; DPM S3
21660-CAT or 21660-NMTB	DPMV3 with 2-piece head*; DPMV5 with 2-piece head*
23171- CAT or 23171-NMTB	DPMV3 with 1-piece head*; DPMV5 with 1-piece head*; FHM5
24165-CAT or 24165-NMTB	DPMV7; FHM7
24450-CAT or 24450-NMTB	Three-axis K4
24347	Three-axis K2 or K3

BT40 drawbars are available by special order only.

\*You can tell from the letter code in the machine serial number if you have a 1 or 2-piece head.

- V3 with a 1-piece head – BJ
- V5 with a 1-piece head – BK
- V3 with a 2-piece head – AV
- V5 with a 2-piece head – AW

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