

POWDER METAL STEEL

Comparison Chart



STANDARD ALLOY	UDDEHOLM GRADE	BOHLER GRADE
M2	—	No P/M Equivalent (Bohler S600)
M3 Type 2 Low S	Uddeholm Vanadis® 23 SuperClean™ †	Bohler S790 MICROCLEAR® †
M3 Type 2 with Co	Uddeholm Vanadis® 30 SuperClean™	Bohler S590 MICROCLEAR® †
M4	Uddeholm Vanadis® 6 SuperClean™ † (cold work applications only)	Bohler S693 MICROCLEAR® †
M4 High Carbon	No P/M Equivalent	Bohler S692 MICROCLEAR®
M4 High Silicon	No P/M Equivalent	Bohler S690 MICROCLEAR® †
M42	No P/M Equivalent	No P/M Equivalent (Bohler S500)
T15 Modified	Uddeholm Vanadis® 60 SuperClean™	Bohler S390 MICROCLEAR® †
1 percent Vanadium	No P/M Equivalent (Uddeholm Caldie / Unimax)	No P/M Equivalent (Bohler W360)
3 percent Vanadium	Uddeholm Vanadis® 4 Extra SuperClean™ †	Bohler K890 MICROCLEAR® †
A11	Uddeholm Vanadis® 10 SuperClean™ †	Bohler K294 MICROCLEAR® †
High Speed, High Co	Uddeholm Vanadis® 60 SuperClean™	Bohler S290 MICROCLEAR®
440C Stainless	Uddeholm Elmax SuperClean™ †	Bohler M390 MICROCLEAR®
Bridge Alloy	—	Bohler S290 MICROCLEAR®
Anti-Galling Tool Steel	Uddeholm Vancron® 40 †	—

When compared to the competition, the Bohler-Uddeholm Powder Metal Grades manufactured with 3RD Generation PM Technology will have:

- Improved ductility and toughness due to improved internal cleanliness, fewer non-metallic inclusions
- Better chipping and cracking resistance
- Improved dimensional stability in heat treatment

† Item stocked in North America