Gewindeschneid-Schnellwechselfutter mit Längenausgleich auf Druck und Zug für Zylinderschäfte DIN 1835 B+E

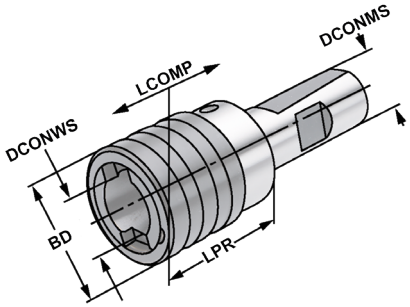
Quick change tapping chucks with length compensation on compression and expansion for tool shanks DIN 1835 B+E

Mandrins de taraudage à changement rapide avec compensation longitudinale à la compression et traction pour queues cylindriques DIN 1835 B+E

Verwendung:
Zur Aufnahme von Schnellwechsel-Einsätzen für Gewindebohrer.

Application:
For the chucking of Quick change taps for threading taps.

Application:
Pour le serrage d'adaptateurs porte-tarauds à changement rapide.



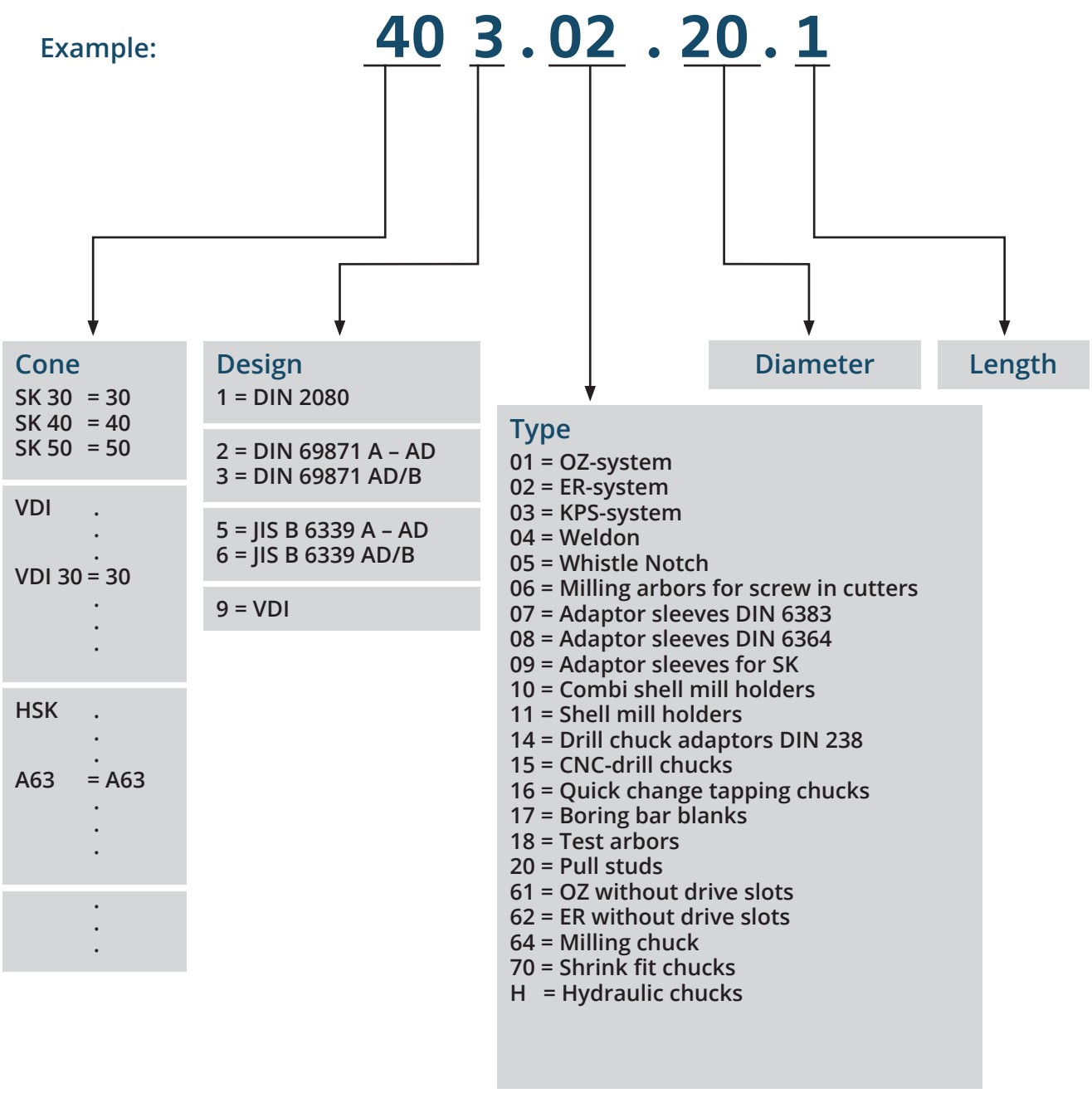
DIN 1835 B+E

Bestell-Nr. *Order no.* Référence	DCONMS	Spannbereich *Capacity* Capacité	SZID	LPR	BD	DCONWS	LCOMP
120.16.2012	20	M3 – M14	1	43	36	19	7
120.16.2020	20	M5 – M22	2	73	53	31	12
120.16.2512	25	M3 – M14	1	43	36	19	7
120.16.2520	25	M5 – M22	2	73	53	31	12
120.16.3220	32	M5 – M22	2	73	53	31	12

Hinweis: Für Bearbeitungszentren ohne Synchronspindel.
Note: *On machining centres without synchronised spindles.*
Observation: Sur centres d'usinage sans axe synchrone.

Ausführung: Mit seitlicher Spannfläche nach DIN 1835 Form B (Weldon) und DIN 1835 Form E (Whistle Notch).
Version: *With flat according to DIN 1835 form B (Weldon) and inclined flat according to DIN 1835 form E (Whistle Notch).*
Version: Avec queue cylindrique et avec méplat suivant DIN 1835 forme B (Weldon) et avec méplat incliné suivant DIN 1835 forme E (Whistle Notch).

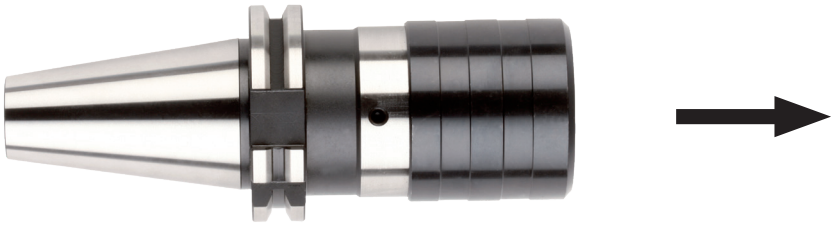
Example: **40 3.02 .20.1**



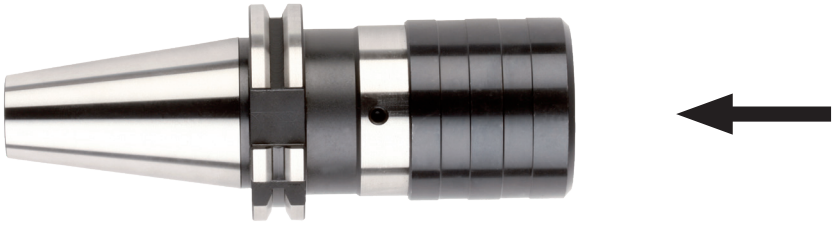
The process of tapping is a complex balance of rotational and axial movements of the tool. It is sometimes necessary to restrict the axial movements of the tool.

If the axial movement is not accurately controlled, the leading or trailing flanks of the tap may be forced to progressively “shave” one flank of the component thread, thus producing a thin and oversize thread in the component.

Tension – forward float capability allows the tap to progress into the component without interference from the axial feed of the machine spindle.

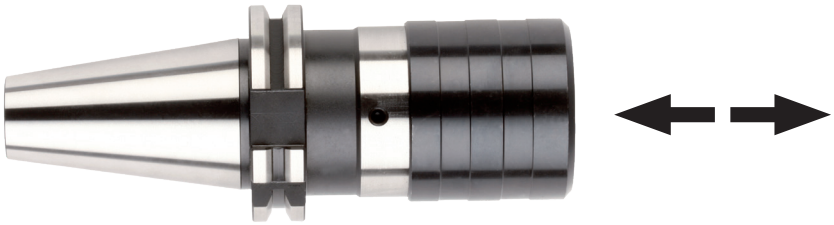


Compression – backward float capability, acts as a cushion and allows the tap to commence cutting at its owns axial feed independent of the machine spindle.

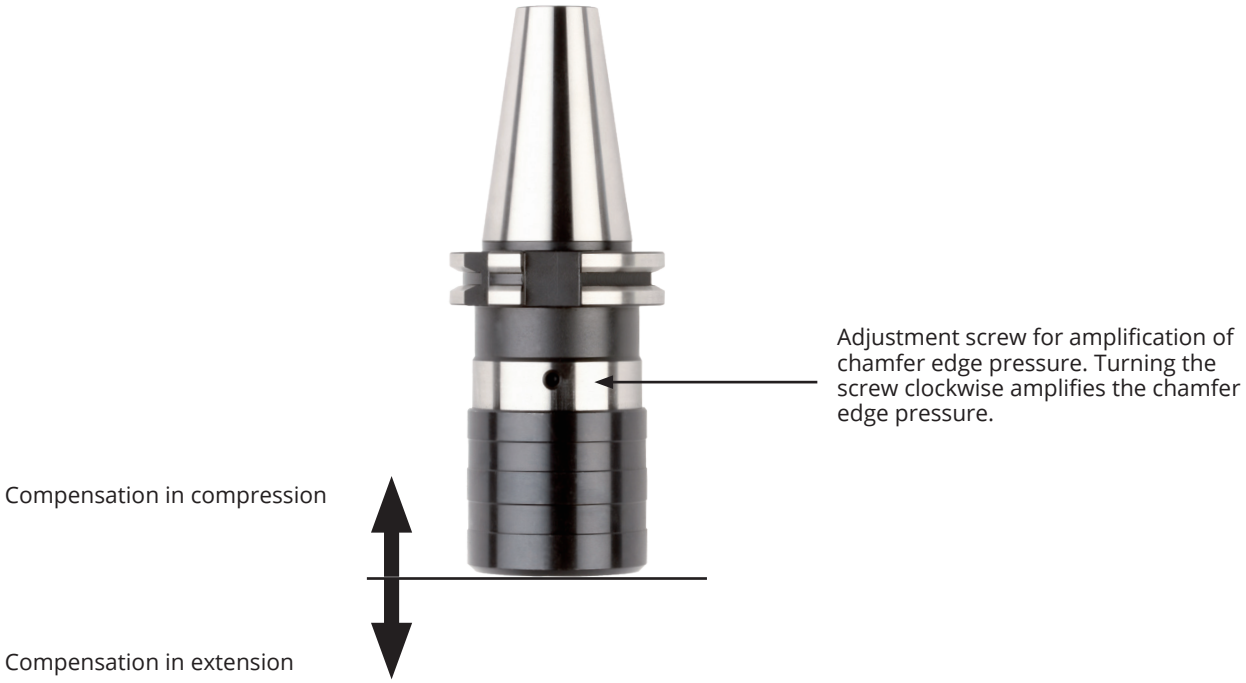


Compression/Tension – float is designed to negate any external forces during the machining operation.

Radial float – allows for slight misalignment of the machine spindle axis and hole axis prior to tapping. This is not recommended manufacturing practice and should be avoided.



For a correct use of the tapping chuck, please check, during the first thread, not to exceed the max. asial stroke of the compensation values. This ist to avoid damaging the thread or the tapping chuck.



Code	Tap capacity	Adapters	Length adjustment in mm on Compression	Extension
xxx.16.12	M 3– M14	16.11.xx / 16.01.xx	7	7
xxx.16.20	M 5 – M22	16.12.xx / 16.02.xx	12	12
xxx.16.36	M14 – M36	16.14.xx / 16.03.xx	17.5	17.5