



Material groups and the range of application

Group	Destination
800	For carbon constructional steels, free-cutting steels, low-alloy steels with tensile strength $600 \text{ MPa} \leq R_m \leq 800 \text{ MPa}$
800 Az	Type 800 for through holes in soft materials $R_m \leq 500 \text{ MPa}$
1300	For constructional steels, alloyed steels with tensile strength $700 \text{ MPa} \leq R_m \leq 1300 \text{ MPa}$
INOX	For high-alloy steels, stainless and acid resistant steels with tensile strength $R_m \leq 1000 \text{ MPa}$
FAN	For tool steels and difficult workable steels with tensile strength $800 \text{ MPa} \leq R_m \leq 1200 \text{ MPa}$ and for heat-treatable steels up to 38HRC
Ti	For titanium and their alloys
Ni	For nickel and their alloys
1400	For difficult workable steels, acid resistant steels with tensile strength $1000 \text{ MPa} \leq R_m \leq 1400 \text{ MPa}$ and for heat-treatable steels up to 44HRC
HRC	For hardened steels, number next to symbol indicate material hardness HRC scale
GG	For grey cast iron and spheroidal cast iron
GAL	For aluminium alloys Si max. 10%
AL	For soft aluminium and soft synthetics
Ms	For brass and short-chipping bronze
S-NC	For synchro tapping on CNC machines with the function of "rigid tapping" for wide range of materials
NC	For productive cutting of wide range materials, forming middle and long chips with tensile strenght $R_m < 1200 \text{ MPa}$
WGN	Forming taps for machining materials with a high adhesion
WGN	Forming taps for plastic materials with ductility $A_5 \geq 10\%$
WGN	Forming taps for machining materials with reduced toughness