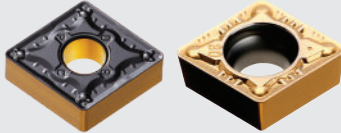



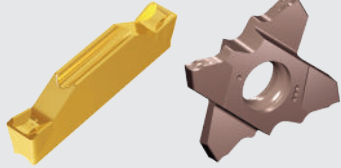

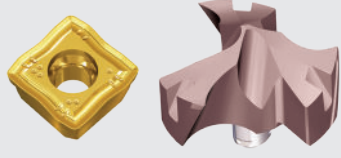



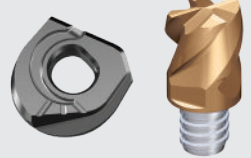



Based on Applications (Coated)

| Application | Grade | ISO Range | | | | | |
|---|---------|-----------|-----------|-----------|-----------|-----------|---|
| <div>Turning</div> <div></div> | TT 2010 | H05 - H15 | | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT7005 | K05 - K15 | | | | | |
| | TT7015 | K10 - K25 | | | | | |
| | TT8105B | P05 - P15 | | | | | |
| | TT7025 | K20 - K35 | | | | | |
| | TT8115B | P05 - P20 | | | | | |
| | TT3005 | S05 - S15 | | | | | |
| | TT9215 | M05 - M20 | S05 - S20 | | | | |
| | TT5080 | M05 - M25 | S05 - S25 | | | | |
| | TT3010 | S05 - S20 | | | | | |
| | TT4410 | P05 - P25 | M05 - M25 | S05 - S25 | | | |
| | TT8125B | P15 - P30 | | | | | |
| | TT5100 | P20 - P35 | M20 - M35 | | | | |
| | TT3020 | S10 - S30 | | | | | |
| | TT9225 | M15 - M30 | S15 - S30 | | | | |
| | TT9080 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT4430 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT9020 | P20 - P40 | M20 - M40 | | | | |
| | TT8135B | P25 - P40 | | | | | |
| | TT7100 | P30 - P45 | | | | | |
| | TT9235 | M25 - M40 | S25 - S40 | | | | |
| | TT8080 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| | TT8020 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| <div>Milling</div> <div></div> | TT2510 | P05 - P25 | H05 - H25 | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT7515 | K05 - K25 | | | | | |
| | TT6080 | K05 - K25 | H05 - H25 | | | | |
| | TT7080 | P05 - P25 | K05 - K25 | | | | |
| | TT9080 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT9030 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT3520 | M30 - M45 | S30 - S40 | | | | |
| | TT8525B | P30 - P45 | M30 - M45 | | | | |
| | TT8080 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| | TT8020 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| <div>Parting & Grooving</div> <div></div> | TT7505 | K05 - K15 | | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT6080 | K05 - K25 | H05 - H25 | | | | |
| | TT3010 | S05 - S20 | | | | | |
| | TT5100 | P20 - P35 | M20 - M35 | | | | |
| | TT3020 | S10 - S30 | | | | | |
| | TT9080 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT4430 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT7220 | P25 - P45 | M25 - M45 | | | | |
| | TT8020 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| <div>Holemaking</div> <div></div> | TT6080 | K05 - K25 | H05 - H25 | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT9300 | P10 - P25 | | | | | |
| | TT7400 | P10 - P25 | | | | | |
| | TT5130 | P20 - P40 | K20 - K40 | | | | |
| | TT9080 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT9030 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT8020 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| <div>Threading</div> <div></div> | TT7010 | P05 - P25 | K05 - K25 | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT9030 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT8010 | P30 - P50 | M30 - M50 | S30 - S50 | | | |
| <div>Solid Carbide End Mill & Fine Ball</div> <div></div> | TT5505 | P05 - P25 | H05 - H25 | | | | <div>Harder</div> <div></div> <div>Tougher</div> |
| | TT2510 | P05 - P25 | H05 - H25 | | | | |
| | TT5515 | P10 - P30 | M10 - M30 | K10 - K30 | S10 - S30 | H10 - H30 | |
| | TT5520 | P20 - P40 | M20 - M40 | K20 - K40 | | | |
| | TT5523 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT5525 | P20 - P40 | M20 - M40 | S20 - S40 | | | |
| | TT5543 | P30 - P50 | M30 - M50 | S30 - S50 | | | |

TAEGUTEC GRADE CHART

Based on Grades

| Grade | | ISO Range | Application | | | | | | Workpiece Material and Application |
|------------------------|-----------|-----------|-------------|---------|--------------------|------------|-----------|---|---|
| | | | Turning | Milling | Parting & Grooving | Holemaking | Threading | End Mill FINEBALL | |
| CVD Coated Carbide | TT3005 | S05 - S15 | ● | | | | | | Finish turning of heat-resistant super alloys in high speed and low depth of conditions |
| | TT3520 | M30 - M45 | | ● | | | | | Interrupted and rough machining of stainless steel |
| | | S30 - S40 | | ● | | | | | Interrupted and rough machining of heat-resistant alloy and Ti alloy |
| | TT5100 | P20 - P35 | ● | | ● | | | | Medium machining of low carbon steel and alloy steel |
| | | M20 - M35 | | | ● | | | | Medium and low speed machining of stainless steel |
| | TT7005 | K05 - K15 | ● | | | | | | High speed continuous turning for gray and ductile cast iron |
| | TT7015 | K10 - K25 | ● | | | | | | General, continuous and interrupted turning of gray and ductile cast iron |
| | TT7025 | K20 - K35 | ● | | | | | | Low speed and interrupted cutting of gray and ductile cast iron |
| | TT7100 | P30 - P45 | ● | | | | | | Interrupted and rough turning of steel |
| | TT7400 | P10 - P25 | | | | ● | | | High speed drilling of carbon steel and alloy steel |
| | TT7505 | K05 - K15 | | | ● | | | | High speed turning and grooving of cast iron |
| | TT7515 | K05 - K25 | | ● | | | | | High speed milling of gray and ductile cast iron |
| | TT8105B | P05 - P15 | ● | | | | | | High speed continuous turning of steel |
| | TT8115B | P05 - P20 | ● | | | | | | High speed turning of steel |
| | TT8125B | P15 - P30 | ● | | | | | | General turning of steel |
| | TT8135B | P25 - P40 | ● | | | | | | Heavy interrupted turning of steel. Improved toughness and superior fracture resistance |
| | | P30 - P45 | | ● | | | | | Rough milling of carbon and alloy steel |
| | TT8525B | M30 - M45 | | ● | | | | | Medium speed milling of stainless steel |
| | TT9215 | M05 - M20 | ● | | | | | | High speed turning of stainless steel |
| | | S05 - S20 | ● | | | | | | High speed machining of heat-resistant alloy |
| | TT9225 | M15 - M30 | ● | | | | | | General turning of stainless steel |
| | | S15 - S30 | ● | | | | | | Medium speed machining of heat-resistant alloy |
| | TT9235 | M25 - M40 | ● | | | | | | Low speed and interrupted turning of stainless steel |
| | | S25 - S40 | ● | | | | | | Low speed machining of heat-resistant alloy |
| | TT9300 | P10 - P25 | | | | ● | | | High speed drilling of carbon steel and alloy steel |
| | TT2010 | H05 - H10 | ● | | | | | | Low speed machining of hardened steel |
| | TT2510 | P05 - P25 | | ● | | | | ● | High speed milling of steel |
| | | H05 - H25 | | ● | | | | ● | High speed milling of hardened steel |
| | TT3010 | S05 - S20 | ● | | ● | | | | High speed grooving and turning of heat-resistant super alloys in continuous conditions |
| | TT3020 | S10 - S30 | ● | | ● | | | | General turning and grooving of heat-resistant super alloys |
| TT3535 | M30 - M50 | | ● | | | | | Interrupted and rough machining of stainless steel | |
| | S30 - S50 | | ● | | | | | Interrupted and rough machining of heat-resistant alloy and Ti alloy | |
| TT4410 | P05 - P25 | ● | | | | | | High speed turning of small parts for steel in continuous conditions | |
| | M05 - M25 | ● | | | | | | High speed turning of small parts for stainless steel in continuous conditions | |
| | S05 - S25 | ● | | | | | | High speed turning of small parts for titanium alloys in continuous conditions | |
| TT4430 | P20 - P40 | ● | | ● | | | | General machining of small parts for steel in continuous conditions | |
| | M20 - M40 | ● | | ● | | | | General machining of small parts for stainless steel in continuous conditions | |
| | S20 - S40 | ● | | ● | | | | General machining of small parts for titanium alloys in continuous conditions | |
| TT5080 | M05 - M25 | ● | | | | | | High speed finish turning of stainless steel | |
| | S05 - S25 | ● | | | | | | High speed turning of heat-resistant alloy | |
| TT5130 | P20 - P40 | | | | ● | | | High speed drilling of carbon steel and alloy steel | |
| | K20 - K40 | | | | ● | | | High speed drilling of cast iron | |
| TT5505 | P05 - P25 | | | | | | ● | High speed milling of steel | |
| | H05 - H25 | | | | | | ● | High speed milling of hardened steel | |
| PVD Coated Carbide | TT5515 | P10 - P30 | | | | | | ● | High speed milling of steel. Excellent wear and heat resistance |
| | | M10 - M30 | | | | | | ● | General milling of stainless steel |
| | | K10 - K30 | | | | | | ● | General milling of cast iron |
| | | S10 - S30 | | | | | | ● | General milling of heat-resistant alloys |
| | | H10 - H30 | | | | | | ● | High speed milling of hardened steel. Excellent wear resistance |
| | TT5520 | P10 - P30 | | | | | | ● | High speed milling of steel. Excellent wear resistance |
| | | K10 - K30 | | | | | | ● | High speed milling of cast iron. Excellent wear resistance |
| | TT5523 | P20 - P40 | | | | | | ● | High speed milling of steel |
| | | M20 - M40 | | | | | | ● | High speed milling of stainless steel |
| | | S20 - S40 | | | | | | ● | High speed milling of heat-resistant alloys |
| | TT5525 | P20 - P40 | | | | | | ● | High speed milling of steel |
| | | M20 - M40 | | | | | | ● | High speed milling of stainless steel |
| | | S20 - S40 | | | | | | ● | High speed milling of heat-resistant alloys |
| | TT5543 | P30 - P50 | | | | | | ● | Interrupted and rough machining of steel |
| | | M30 - M50 | | | | | | ● | Interrupted and rough machining of stainless steel |
| | | S30 - S50 | | | | | | ● | Interrupted and rough machining of heat-resistant alloy |
| | TT6080 | K05 - K25 | | ● | ● | ● | | | General machining for gray and ductile cast iron |
| | | H05 - H25 | | ● | ● | ● | | | Finish and medium machining of hardened steel |
| | TT7010 | P05 - P25 | | | | | ● | | Threading of steel |
| | | K05 - K25 | | | | | ● | | Threading of cast iron |
| | TT7080 | P05 - P25 | | ● | | | | | General milling of steel |
| | | K05 - K25 | | ● | | | | | General milling of cast iron |
| | TT7220 | P25 - P45 | | | ● | | | | Parting, grooving and turn grooving of steel |
| | | M25 - M45 | | | ● | | | | Parting, grooving and turn grooving of stainless steel |
| | TT8010 | P30 - P50 | | | | | ● | | Wide range of threading on low carbon steel and low carbon alloy steel |
| | | M30 - M50 | | | | | ● | | Wide range of threading on stainless steel |
| | S30 - S50 | | | | | ● | | Wide range of threading on heat-resistant alloy. Toughest grade in threading product line | |
| TT8020 | P30 - P50 | ● | ● | ● | ● | | | Interrupted and rough machining of steel | |
| | M30 - M50 | ● | ● | ● | ● | | | Interrupted and rough machining of stainless steel | |
| | S30 - S50 | ● | ● | ● | ● | | | Low speed and interrupted machining of heat-resistant alloy | |
| TT8080 | P30 - P50 | ● | ● | | | | | Interrupted and rough machining of steel | |
| | M30 - M50 | ● | ● | | | | | Interrupted and rough machining of stainless steel | |
| | S30 - S50 | ● | ● | | | | | Low speed and interrupted machining of heat-resistant alloy | |
| TT9020 | P20 - P40 | ● | | | | | | Small parts turning on steel | |
| | M20 - M40 | ● | | | | | ● | General machining of stainless steel | |
| TT9030 | P20 - P40 | | ● | | ● | ● | | General machining of steel | |
| | M20 - M40 | | ● | | ● | ● | | General machining of stainless steel | |
| | S20 - S40 | | ● | | ● | ● | | General machining of heat-resistant alloy | |
| TT9080 | P20 - P40 | ● | ● | ● | ● | | | Medium and rough machining of steel | |
| | M20 - M40 | ● | ● | ● | ● | | | General machining of stainless steel | |
| | S20 - S40 | ● | ● | ● | ● | | | General machining of heat-resistant alloy | |
| Diamond Coated Carbide | TTA101 | N05 - N15 | ● | | | | | ● | High speed machining of AL alloy and non-ferrous material |
| | TTD610 | N05 - N10 | | | | ● | | ● | Drilling and end milling of composite materials (CFRP and GFRP) |
| | TTD620 | N01 - N05 | ● | | | | | ● | Machining of graphite |
| Carbide | K10 | K05 - K15 | ● | ● | ● | ● | | | General machining of cast iron |
| | | N05 - N15 | ● | ● | ● | ● | | | General machining of aluminum alloys and non-ferrous materials |
| | | S05 - S15 | ● | ● | ● | ● | | | General machining of heat-resistant alloy |
| | UF10 | P25 - P35 | | | | | | ● | General machining of steel |
| UF10N | M25 - M35 | | | | | | | ● | General machining of stainless steel |
| PVD Cermet | | N25 - N35 | | ● | | ● | | ● | General machining of aluminum alloys and non-ferrous materials |
| PV3010 | P05 - P20 | ● | | | | | | | High speed finish machining of carbon steel, alloy steel, mild steel, mold steel and free-cutting steel |
| | M05 - M20 | ● | | | | | | | High speed finishing of stainless steel |
| | K05 - K20 | ● | | | | | | | High speed finishing of cast iron |
| CT3000 | P10 - P20 | ● | | ● | | | | | Finish machining of carbon steel, alloy steel, mild steel and mold steel. Good surface roughness |
| | M10 - M20 | ● | | ● | | | | | Finish machining of stainless steel. Good surface roughness |
| | K10 - K20 | ● | | ● | | | | | Finish machining of cast iron |
| | P15 - P25 | | ● | | | | | | Finish milling of steel |
| CT7000 | M15 - M25 | | ● | | | | | | Finish milling of stainless steel |
| AB2010 PVD | H05 - H10 | ● | | | | | | | High speed turning of hardened steel |
| | AB20 | H05 - H15 | ● | | | | | | Turning of high hardness steel (HRC 50-65) |
| | AB30 | K05 - K15 | ● | | ● | | | | Continuous to light interrupted turning of cast iron without coolant |
| AS10 | H10 - H15 | ● | | ● | | | | | High speed turning of low alloyed hardened steel (HRC < 55) |
| | K25 - K35 | ● | ● | | | | | | Turning and milling of cast iron |
| | K15 - K25 | ● | | | | | | | Roughing of cast iron with and without coolant. SiAlON grade |
| | AW120 | K05 - K15 | ● | | | | | | High speed continuous turning of cast iron. Excellent wear resistance |
| | TC430 | S05 - S15 | ● | ● | | | | | High speed turning of super alloys especially for Ni-based super alloy, Whisker ceramics |
| | TC3020 | S15 - S25 | ● | ● | | | | | Turning and milling of super alloy. SiAlON grade |
| | TC3030 | S25 - S35 | ● | ● | | | ● | | Turning and milling of super alloy. SiAlON grade |
| TB2010 | H10 - H15 | ● | | | | | | Low speed continuous turning of hardened steel | |
| TB2015 | H10 - H20 | ● | | ● | | | | Light interrupted machining of hardened steel | |
| TB610 | H05 - H10 | ● | | | | | | High speed continuous turning of hardened steel | |
| TB650 | H10 - H20 | ● | | | | | | General turning of hardened steel | |
| TB670 | H20 - H30 | ● | | | | | | Medium interrupted turning of hardened steel | |
| TB7015 | K10 - K20 | ● | ● | | | | ● | High speed machining of cast iron | |
| | H25 - H35 | ● | ● | | | | ● | Machining of hardened steel | |
| TB7020 | K10 - K25 | ● | | | | | | High speed and light interrupted turning of cast iron. Solid CBN | |
| TB730 | P10 - P20 | ● | | | | | | General turning of sintered or powder metals | |
| | K05 - K10 | ● | | | | | | High speed precision turning of cast iron | |
| TD1010 | N05 - N15 | ● | ● | | | | ● | | Multi modal composition for high speed of non-ferrous materials |
| | N10 - N25 | ● | ● | ● | | | ● | | General machining of non-ferrous materials |
| | TD1030 | N20 - N35 | ● | ● | | | | ● | Machining of non-ferrous materials, titanium and composite plastics (CFRP and GFRP) |