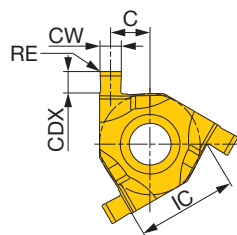


INSERT

GTGN16



ER/IL shown.

P	Steel	★			
M	Stainless	★			
K	Cast iron				
N	Non-ferrous				
S	Superalloys	★			
H	Hard materials				

★ : First choice

☆ : Second choice

Designation	HAND	CW±0.03	RE	Coated				Insert size	CDX	IC	C	Shim	
				SH730								Dual-clamp toolholder: screw-on and clamp-on	Clamp-on toolholder
GTGN-16ER/IL100	R	1	0.1	●				16	1.25	9.53	4.22	G16ER/IL-DT	G16ER/IL-S
GTGN-16EL/IR100	L	1	0.1	●				16	1.25	9.53	4.22	G16ER/IL-DT	G16ER/IL-S
GTGN-16ER/IL120	R	1.2	0.1	●				16	1.3	9.53	4.12	G16ER/IL-DT	G16ER/IL-S
GTGN-16EL/IR120	L	1.2	0.1	●				16	1.3	9.53	4.12	G16ER/IL-DT	G16ER/IL-S
GTGN-16ER/IL140	R	1.4	0.1	●				16	1.5	9.53	4.02	G16ER/IL-DT	G16ER/IL-S
GTGN-16EL/IR140	L	1.4	0.1	●				16	1.5	9.53	4.02	G16ER/IL-DT	G16ER/IL-S
GTGN-16ER/IL170	R	1.7	0.1	●				16	1.7	9.53	3.67	G16EL/IR-DT	G16EL/IR-S
GTGN-16EL/IR170	L	1.7	0.1	●				16	1.7	9.53	3.67	G16EL/IR-DT	G16EL/IR-S
GTGN-16ER/IL195	R	1.95	0.1	●				16	1.7	9.53	3.75	G16EL/IR-DT	G16EL/IR-S
GTGN-16EL/IR195	L	1.95	0.1	●				16	1.7	9.53	3.75	G16EL/IR-DT	G16EL/IR-S
GTGN-16ER/IL225	R	2.25	0.1	●				16	1.8	9.53	3.6	G16EL/IR-DT	G16EL/IR-S
GTGN-16EL/IR225	L	2.25	0.1	●				16	1.8	9.53	3.6	G16EL/IR-DT	G16EL/IR-S

Note: GTGN insert can be used for both external and internal machining, but the tool hand is reversed.
Shim for GTGN depends on the toolholder type.

● : Line up

STANDARD CUTTING CONDITIONS

ISO	Workpiece material	Grade	Cutting speed Vc (m/min)	Feed f (mm/rev)
P	Steels S45C, SCM440 etc. C45, 42CrMo4, etc.	SH730	50 - 150	0.05 - 0.1
M	Stainless steels SUS304, SUS316 etc. X5CrNi18-9, X5CrNiMo17-12-2, etc.	SH730	30 - 150	0.05 - 0.1
S	Heat-resistant alloys, Titanium alloys etc. Ti-6Al-4V, etc.	SH730	30 - 100	0.05 - 0.1