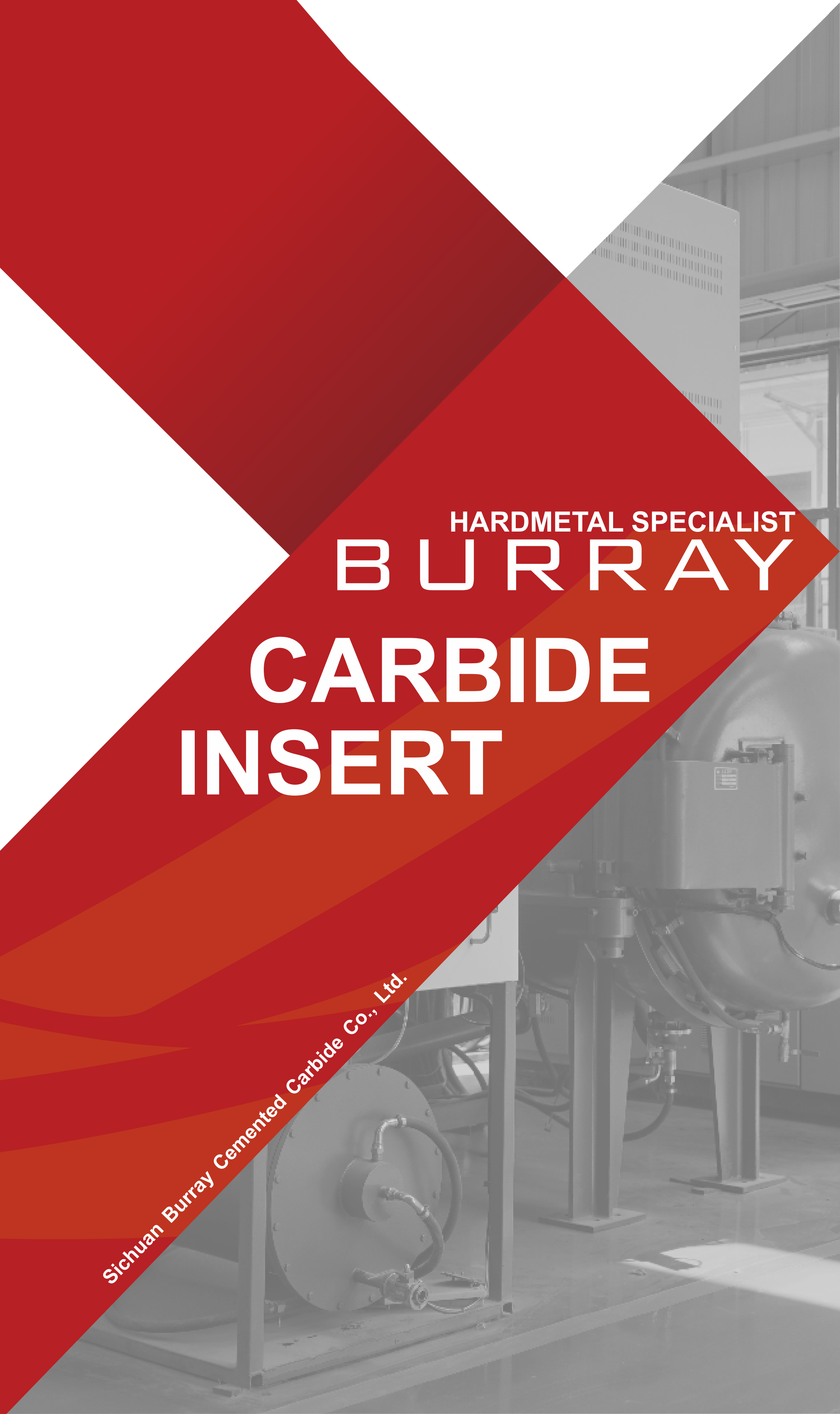
HARDMETAL SPECIALIST

BURRAY

CARBIDE INSERT



Sichuan Burray Cemented Carbide Co., Ltd.

BURRAY

Sichuan Burray Cemented Carbide Co., Ltd.

Address: High-tech industrial park, Zigong Sichuan, P.R.of China, P.O:643000

Phone&WhatsApp : +86-13890000401

WeChat : burraycarbide

E-mail: info@burraycabide.com

https://www.burraycarbide.com

BURRAY

About Us

Sichuan Burray Cemented Carbide Co., Ltd.

SICHUAN BURRAY CEMENTED CARBIDE CO., LTD., is a professional high-tech enterprise, specialized in high-performance carbide R&D, design, manufacture, marketing sales, products including cemented carbide precision dies, cutting tools, wear-resisting parts, carbide profiles, etc. It covers an area of over more than 20 mu with7,800 sq.ft standard workshop and 5'500 sq.ft R&D office. Anbang has many high-quality technical and management personnel who have strong technical strength and rich processing production experience. We are able to make different kinds of special customized cemented carbide products with±0.002mm machining precision. Our products are widely applied to the following fields: machine manufacturing, metallurgy, mining, oil, electronics, space industry, etc.

BURRAY has a complete production line for cemented carbide precision dies and finished products. Besides, we have imported high-end devices for manufacturing, processing, and inspection, such as Agathon, Schneeberger, Moore Tool, Alicona, etc. At the same time, we are continuously optimizing product construction, adjusting business strategy, investing more on R&D, cultivating technical personnel, establishing and perfecting strict inspection and analysis process, improving product precision and quality as a result.

BURRAY has independent import and export rights. Our products have been passed and are strictly enforced international certification standard for cemented carbide products all the time. High-end devices, super technical skills, perfect team, high-quality products, and satisfying service are our foundation to be a leader in the domestic market. Also, we commit to being a well-known cemented carbide enterprise in the world. So far, our products have been exported to the USA, Russia, India, Japan, etc and enjoyed customers' consistent praise.

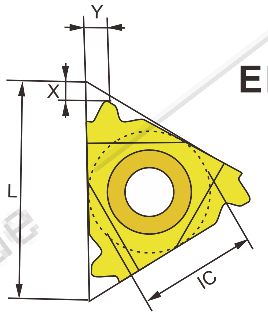
BURRAY Adheres to responsible and sustainable business practices, including conflict free raw material sourcing, proactive health management for our employees, and continuous concern about the environmental impacts of our business. Our open and transparent business philosophy allows our customers, employees, and external suppliers, to have confidence in our business, ways of working, and our products.

QUALITY CONSISTENCY EXPERTISE

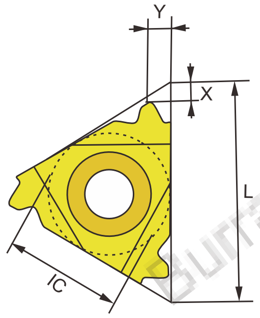
CONTENT

Thread Cutter Series

Broken-out section 60° Type Section Top



ER/IL

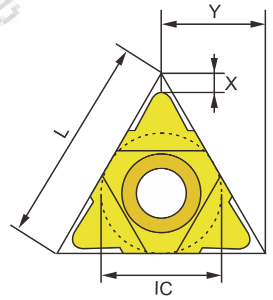


IR/EL

Insert Shape	I.C.	Pitch of Screws		External Thread		L	X	Y
		mm	TPI	Right Thread	Left Thread			
 External Thread Insert	3/8 "	0.5~1.5	48~16	16ERA60	16ELA60	16.5	0.6	0.8
		1.75~3.0	14~8	16ERG60	16ELG60	16.5	1.1	1.5
		0.5~3.0	48~8	16ERAG60	16ELAG60	16.5	1.1	1.5
	1/2 "	3.5~5.0	7~5	22ERN60	22ELN60	22	1.8	2.5
	5/8 "	5.5~6.0	4.5~4	27ERQ60	27ELQ60	27.5	2.1	3.1

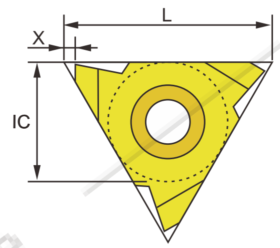
Insert Shape	I.C.	Pitch of Screws		External Thread		L	X	Y
		mm	TPI	Right Thread	Left Thread			
 Internal Thread Insert	1/4 "	0.5~1.5	48~16	11IRA60	11ILA60	11	0.6	0.8
	3/8 "	0.5~1.5	48~16	16IRA60	16ILA60	16.5	0.6	0.8
		1.75~3.0	14~8	16IRG60	16ILG60	16.5	1.1	1.5
		0.5~3.0	48~8	16IRAG60	16ILAG60	16.5	1.1	1.5
	1/2 "	3.5~5.0	7~5	22IRN60	22ILN60	22	1.8	2.5
	5/8 "	5.5~6.0	4.5~4	27IRQ60	27ILQ60	27.5	1.8	2.7

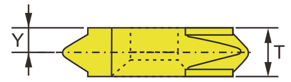
Broken-out section 60° Type U



Insert Shape	I.C.	Pitch of Screws		External, Internal Thread	L	X	Y
		mm	TPI	Right, Left Thread			
 Thread Insert	1/2 " U	5.5~8.0	4.5~3.25	22U E/I/R/L U60	22	0.6	11.0
	5/8 " U	6.5~9.0	4~2.75	27U E/I/R/L U60	27.5	1.0	13.7

Broken-out section 60° Type Vertical

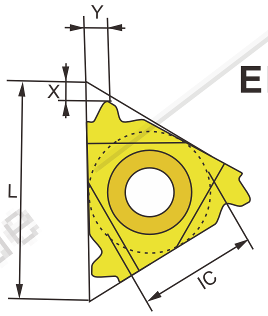




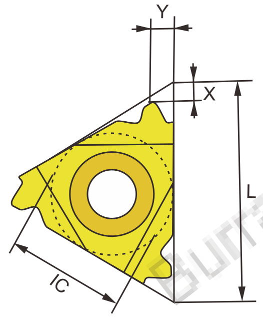
Insert Shape	I.C.	Pitch of Screws		External Thread	L	X	Y
		mm	TPI	Right Thread			
 External Thread Insert	3/8 "	0.5~1.5	48~16	16VERA60	3.6	1.0	0.9
		1.75~3.0	14~8	16VERG60	3.6	1.0	1.8
		0.5~3.0	48~8	16VERAG60	3.6	1.0	1.8
	1/2 "	3.5~5.0	7~5	22VERN60	4.8	1.2	2.5

Thread Cutter Series

Broken-out section 55° Type Section Top



ER/IL

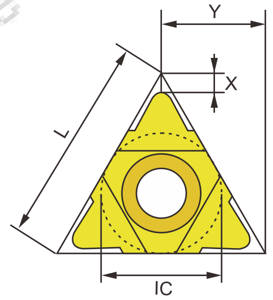


IR/EL

Insert Shape	I.C.	Pitch of Screws		External Thread		L	X	Y
		mm	TPI	Right Thread	Left Thread			
 External Thread Insert	3/8 "	0.5~1.5	48~16	16ERA55	16ELA55	16.5	0.6	0.8
		1.75~3.0	14~8	16ERG55	16ELG55	16.5	1.1	1.5
		0.5~3.0	48~8	16ERAG55	16ELAG55	16.5	1.1	1.5
	1/2 "	3.5~5.0	7~5	22ERN55	22ELN55	22	1.8	2.5
	5/8 "	5.5~6.0	4.5~4	27ERQ55	27ELQ55	27.5	2.0	2.9

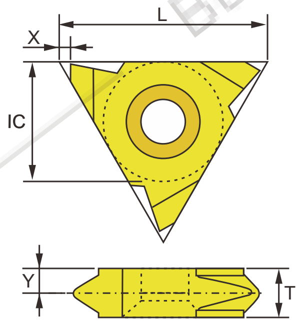
Insert Shape	I.C.	Pitch of Screws		External Thread		L	X	Y
		mm	TPI	Right Thread	Left Thread			
 Internal Thread Insert	1/4 "	0.5~1.5	48~16	11IRA55	11ILA55	11	0.6	0.8
	3/8 "	0.5~1.5	48~16	16IRA55	16ILA55	16.5	0.6	0.8
		1.75~3.0	14~8	16IRG55	16ILG55	16.5	1.1	1.5
		0.5~3.0	48~8	16IRAG55	16ILAG55	16.5	1.1	1.5
	1/2 "	3.5~5.0	7~5	22IRN55	22ILN55	22	1.8	2.5
	5/8 "	5.5~6.0	4.5~4	27IRQ55	27ILQ55	27.5	2.0	2.9

Broken-out section 55° Type U



Insert Shape	I.C.	Pitch of Screws		External, Internal Thread	L	X	Y
		mm	TPI	Right, Left Thread			
 Thread Insert	1/2 " U	5.5~8.0	4.5~3.25	22U E/I/R/L U55	22	0.9	11.0
	5/8 " U		4~2.75	27U E/I/R/L U55	27.5	1.2	13.7

Broken-out section 55° Type Vertical

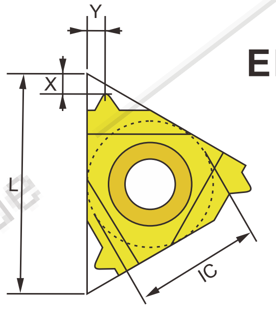


Insert Shape	I.C.	Pitch of Screws		External Thread	T	X	Y
		mm	TPI	Right Thread			
 External Thread Insert	3/8 "	0.5~1.5	48~16	16VERA55	3.6	1.0	0.9
		1.75~3.0	14~8	16VERG55	3.6	1.0	1.8
		0.5~3.0	48~8	16VERAG55	3.6	1.0	1.8
	1/2 "	3.5~5.0	7~5	22VERN55	4.8	1.2	2.5

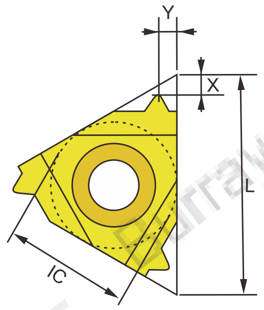
Thread Cutter Series

ISO Metric Complete Type

ER/IL



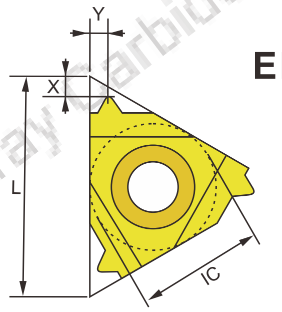
IR/EL



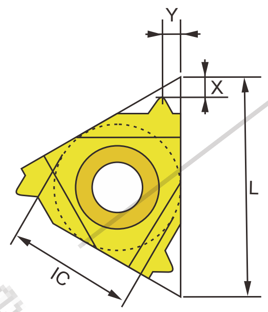
Insert Shape	I.C.	Pitch mm	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	0.75	16ER0.75ISO	16EL0.75ISO	16.5	0.8	0.8
	3/8 "	1.0	16ER1.0ISO	16EL1.0ISO	16.5	0.8	0.8
	3/8 "	1.25	16ER1.25ISO	16EL1.25ISO	16.5	0.8	0.8
	3/8 "	1.5	16ER1.5ISO	16EL1.5ISO	16.5	0.8	0.8
	3/8 "	1.75	16ER1.75ISO	16EL1.75ISO	16.5	1.2	1.5
	3/8 "	2.0	16ER2.0ISO	16EL2.0ISO	16.5	1.2	1.5
	3/8 "	2.5	16ER2.5ISO	16EL2.5ISO	16.5	1.2	1.5
	3/8 "	3.0	16ER3.0ISO	16EL3.0ISO	22	1.2	1.5
	1/2 "	3.5	22ER3.5ISO	22EL3.5ISO	22	1.8	2.5
	1/2 "	4.0	22ER4.0ISO	22EL4.0ISO	22	1.8	2.5
	1/2 "	4.5	22ER4.5ISO	22EL4.5ISO	22	1.8	2.5
	1/2 "	5.0	22ER5.0ISO	22EL5.0ISO	22	1.8	2.5
	5/8 "	5.5	27ER5.5ISO	27EL5.5ISO	27.5	2.2	3.2
	5/8 "	6.0	27ER6.0ISO	27EL6.0ISO	27.5	2.2	3.2

ISO Metric Complete Type

ER/IL



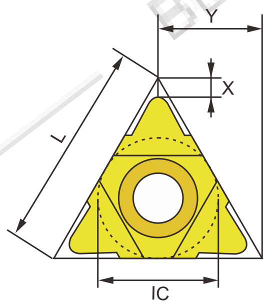
IR/EL



Insert Shape	I.C.	Pitch mm	External Thread Right Thread	External Thread Left Thread	L	X	Y
 Internal Thread Insert	1/4 "	0.75	11IR0.75ISO	11IL0.75ISO	11	0.8	0.8
	1/4 "	1.0	11IR1.0ISO	11IL1.0ISO	11	0.8	0.8
	1/4 "	1.25	11IR1.25ISO	11IL1.25ISO	11	0.8	0.8
	1/4 "	1.5	11IR1.5ISO	11IL1.5ISO	11	0.8	0.8
	1/4 "	1.75	11IR1.75ISO	11IL1.75ISO	11	0.8	0.8
	3/8 "	0.75	16IR0.75ISO	16IL0.75ISO	16.5	0.8	0.8
	3/8 "	1.0	16IR1.0ISO	16IL1.0ISO	16.5	0.8	0.8
	3/8 "	1.25	16IR1.25ISO	16IL1.25ISO	16.5	0.8	0.8
	3/8 "	1.5	16IR1.5ISO	16IL1.5ISO	16.5	0.8	0.8
	3/8 "	1.75	16IR1.75ISO	16IL1.75ISO	16.5	1.2	1.5
	3/8 "	2.0	16IR2.0ISO	16IL2.0ISO	16.5	1.2	1.5
	3/8 "	2.5	16IR2.5ISO	16IL2.5ISO	16.5	1.2	1.5
	3/8 "	3.0	16IR3.0ISO	16IL3.0ISO	16.5	1.2	1.5
	1/2 "	3.5	22IR3.5ISO	22IL3.5ISO	22	1.8	2.5
	1/2 "	4.0	22IR4.0ISO	22IL4.0ISO	22	1.8	2.5
	1/2 "	4.5	22IR4.5ISO	22IL4.5ISO	22	1.8	2.5
	1/2 "	5.0	22IR5.0ISO	22IL5.0ISO	22	1.8	2.5
	5/8 "	5.5	27IR5.5ISO	27IL5.5ISO	27.5	2.2	3.2
	5/8 "	6.0	27IR6.0ISO	27IL6.0ISO	27.5	2.2	3.2

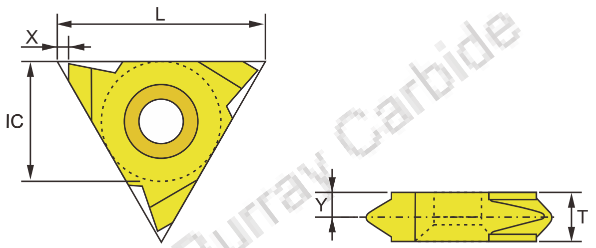
Thread Cutter Series

ISO Metric Type U



Insert Shape	I.C.	Pitch mm	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 Thread Insert	1/2 " U	5.5	22U ER/L5.5ISO	22U IR/L5.5ISO	22	E:2.3 N:2.4	11.0
		6.0	22U ER/L6.0ISO	22U IR/L6.0ISO	22	E:2.6 N:2.1	11.0
	5/8 " U	8.0	27U ER/L8.0ISO	27U IR/L8.0ISO	27.5	2.4	13.7
	3/4 " U	12.0	33U ER/L12.0ISO	33U IR/L12.0ISO	33	E:2.5 N:3.2	E:16.5 N:16.9

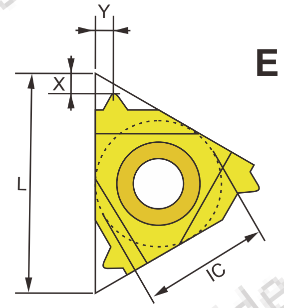
ISO Metric Type U



Insert Shape	I.C.	Pitch mm	External Thread Right Thread	L	X	Y	T
 External Thread Insert	3/8 " U	1.0	16VER1.0ISO	16.5	1.0	0.7	3.6
		1.25	16VER1.25ISO		1.0	0.9	3.6
		1.5	16VER1.5ISO		1.0	0.9	3.6
		1.75	16VER1.75ISO		1.0	1.2	3.6
		2.0	16VER2.0ISO		1.0	1.3	3.6
		2.5	16VER2.5ISO		1.0	1.5	3.6

UN Unified Agreement Thread 60° Complete Type (UN、UNC、UNF、UNEF)

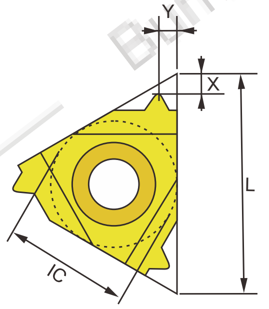
ER/IL



Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	32	16ER32UN	16EL32UN	16.5	0.8	0.8
		28	16ER28UN	16EL28UN		0.8	0.8
		24	16ER24UN	16EL24UN		0.8	0.8
		20	16ER20UN	16EL20UN		0.8	0.8
		18	16ER18UN	16EL18UN		0.8	0.8
		16	16ER16UN	16EL16UN		0.8	0.8
		14	16ER14UN	16EL14UN		1.2	1.5
		12	16ER12UN	16EL12UN		1.2	1.5
		11	16ER11UN	16EL11UN		1.2	1.5
		10	16ER10UN	16EL10UN		1.2	1.5
		9	16ER9UN	16EL9UN		1.2	1.5
		8	16ER8UN	16EL8UN		1.2	1.5
	1/2 "	7	22ER7UN	22EL7UN	22	2.0	2.5
		6	22ER6UN	22EL6UN		2.2	2.5
		5	22ER5UN	22EL5UN		1.8	2.5
	5/8 "	4.5	27ER4.5UN	27EL4.5UN	27.5	2.2	3.2
		4	27ER4UN	27EL4UN		2.2	3.2

Thread Cutter Series

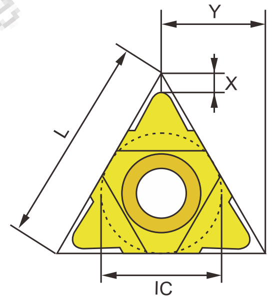
UN Unified Agreement Thread 60° Complete Type (UN、UNC、UNF、UNEF)



IR/EL

Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 Internal Thread Insert	1/4 "	32	11IR32UN	11IL32UN	11	0.8	0.8
		28	11IR28UN	11IL28UN		0.8	0.8
		24	11IR24UN	11IL24UN		0.8	0.8
		20	11IR20UN	11IL20UN		0.8	0.8
		18	11IR18UN	11IL18UN		0.8	0.8
		16	11IR16UN	11IL16UN		0.8	0.8
		14	11IR14UN	11IL14UN		0.8	0.8
	3/8 "	32	16IR32UN	16IL32UN	16.5	0.8	0.8
		28	16IR28UN	16IL28UN		0.8	0.8
		24	16IR24UN	16IL24UN		0.8	0.8
		20	16IR20UN	16IL20UN		0.8	0.8
		18	16IR18UN	16IL18UN		0.8	0.8
		16	16IR16UN	16IL16UN		0.8	0.8
		14	16IR14UN	16IL14UN		1.2	1.5
		12	16IR12UN	16IL12UN		1.2	1.5
		11	16IR11UN	16IL11UN		1.2	1.5
		10	16IR10UN	16IL10UN		1.2	1.5
		9	16IR9UN	16IL9UN		1.2	1.5
		8	16IR8UN	16IL8UN		1.2	1.5
	1/2 "	7	22IR7UN	22IL7UN	22	2.0	2.5
		6	22IR6UN	22IL6UN		2.2	2.5
		5	22IR5UN	22IL5UN		1.8	2.5
	5/8 "	4.5	27IR4.5UN	27IL4.5UN	27.5	2.2	3.2
		4	27IR4UN	27IL4UN		2.2	3.2

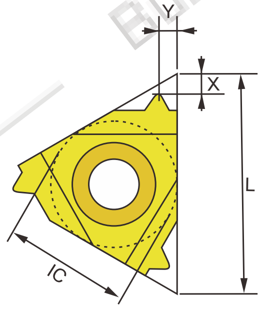
UN Unified Agreement Thread 60° (UN、UNC、UNF、UNEF) Type U



Insert Shape	I.C.	Pitch	External Thread	Internal Thread	L	X	Y
		TPI	Right, Left Thread	Right, Left Thread			
 Thread Insert	1/2 " U	4.5	22U ER/L4.5UN	22U IR/L4.5UN	22	E:2.0 N:2.4	11.0
		6.0	22U ER/L4UN	22U IR/L4UN	22	E:2.0 N:2.4	11.0
	5/8 " U	8.0	22U ER/L3UN	22U IR/L3UN	27.5	E:2.5 N:2.7	13.7
	3/4 " U	12.0	33U ER/L2UN	33U IR/L2UN	33	E:2.8 N:3.6	E:16.5 N:16.9

Thread Cutter Series

UNJ Unified Aviation Thread 60° Complete Type

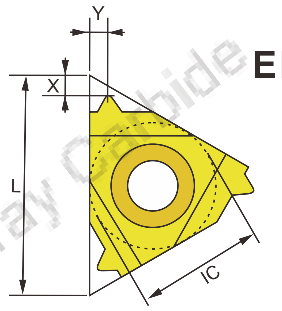


IR/EL

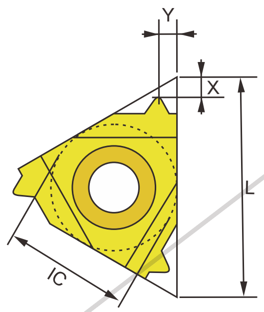
External Thread Insert

Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
	3/8 "	32	16ER32UNJ	16EL32UNJ	16.5	0.8	0.8
		28	16ER28UNJ	16EL28UNJ		0.8	0.8
		24	16ER24UNJ	16EL24UNJ		0.8	0.8
		20	16ER20UNJ	16EL20UNJ		0.8	0.8
		18	16ER18UNJ	16EL18UNJ		0.8	0.8
		16	16ER16UNJ	16EL16UNJ		0.8	0.8
		14	16ER14UNJ	16EL14UNJ		1.2	1.5
		12	16ER12UNJ	16EL12UNJ		1.2	1.5
		11	16ER11UNJ	16EL11UNJ		1.2	1.5
		10	16ER10UNJ	16EL10UNJ		1.2	1.5
		9	16ER9UNJ	16EL9UNJ		1.2	1.5
		8	16ER8UNJ	16EL8UNJ		1.2	1.5
	1/2 "	7	22ER7UNJ	22EL7UNJ	22	2.0	2.5
		6	22ER6UNJ	22EL6UNJ		2.2	2.5
		5	22ER5UNJ	22EL5UNJ		1.8	2.5
	5/8 "	4.5	27ER4.5UNJ	27EL4.5UNJ	27.5	2.2	3.2
		4	27ER4UNJ	27EL4UNJ		2.2	3.2

UNJ Unified Aviation Thread 60° Complete Type



ER/IL



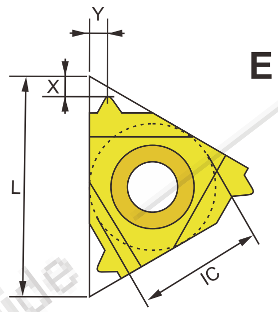
IR/EL

Internal Thread Insert

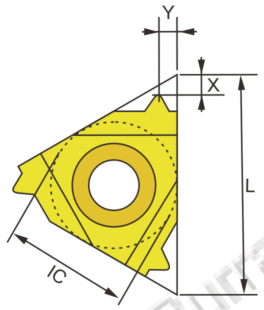
Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread	Left Thread			
	1/4 "	32	11IR32UNJ	11IL32UNJ	11	0.8	0.8
		28	11IR28UNJ	11IL28UNJ		0.8	0.8
		24	11IR24UNJ	11IL24UNJ		0.8	0.8
		20	11IR20UNJ	11IL20UNJ		0.8	0.8
		18	11IR18UNJ	11IL18UNJ		0.8	0.8
		16	11IR16UNJ	11IL16UNJ		0.8	0.8
		14	11IR14UNJ	11IL14UNJ		0.8	0.8
	3/8 "	32	16IR32UNJ	16IL32UNJ	16.5	0.8	0.8
		28	16IR28UNJ	16IL28UNJ		0.8	0.8
		24	16IR24UNJ	16IL24UNJ		0.8	0.8
		20	16IR20UNJ	16IL20UNJ		0.8	0.8
		18	16IR18UNJ	16IL18UNJ		0.8	0.8
		16	16IR16UNJ	16IL16UNJ		0.8	0.8
		14	16IR14UNJ	16IL14UNJ		1.2	1.5
		12	16IR12UNJ	16IL12UNJ		1.2	1.5
		11	16IR11UNJ	16IL11UNJ		1.2	1.5
		10	16IR10UNJ	16IL10UNJ		1.2	1.5
		9	16IR9UNJ	16IL9UNJ		1.2	1.5
		8	16IR8UNJ	16IL8UNJ		1.2	1.5
	1/2 "	7	22IR7UNJ	22IL7UNJ	22	2.0	2.5
		6	22IR6UNJ	22IL6UNJ		2.2	2.5
		5	22IR5UNJ	22IL5UNJ		1.8	2.5
	5/8 "	4.5	27IR4.5UNJ	27IL4.5UNJ	27.5	2.2	3.2
		4	27IR4UNJ	27IL4.5UNJ		2.2	3.2

Thread Cutter Series

Metric Aerospace Thread Insert MJ Complete Type



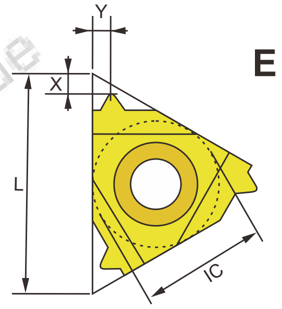
ER/IL



IR/EL

Insert Shape	I.C.	Pitch mm	Thread External Thread	Thread Internal Thread	L	X	Y
	1/4 "	1.0		11IR1.0MJ	11	0.7	0.8
		1.25		11IR1.25MJ	11	0.8	0.9
		1.5		11IR1.5MJ	11	0.8	1.0
		2.0		11IR2.0MJ	11	0.9	1.0
	3/8 "	1.0	16ER1.0MJ	16IR1.0MJ	16.5	0.7	0.8
		1.25	16ER1.25MJ	16IR1.25MJ	16.5	0.8	0.9
		1.5	16ER1.5MJ	16IR1.5MJ	16.5	0.8	1.0
		2.0	16ER2.0MJ	16IR2.0MJ	16.5	1.0	1.3

British Wyeth Thread 55° Complete Type (BSW、BSF、BSP)

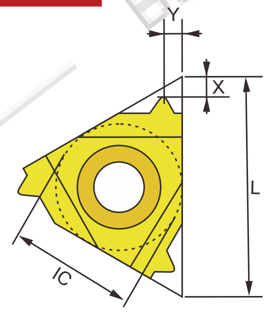


ER/IL

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	28	16ER28W	16EL28W	16.5	0.8	0.8
		26	16ER26W	16EL26W		0.8	0.8
		24	16ER24W	16EL24W		0.8	0.8
		22	16ER22W	16EL22W		0.8	0.8
		20	16ER20W	16EL20W		0.8	0.8
		19	16ER19W	16EL19W		0.8	0.8
		18	16ER18W	16EL18W		0.8	0.8
		16	16ER16W	16EL16W		1.2	1.5
		14	16ER14W	16EL14W		1.2	1.5
		12	16ER12W	16EL12W		1.2	1.5
		11	16ER11W	16EL11W		1.2	1.5
		10	16ER10W	16EL10W		1.2	1.5
		9	16ER9W	16EL9W		1.2	1.5
		8	16ER8W	16EL8W		1.2	1.5
	1/2 "	7	22ER7W	22EL7W	22	2.0	2.5
		6	22ER6W	22EL6W		2.2	2.5
		5	22ER5W	22EL5W		1.8	2.5
	5/8 "	4.5	27ER4.5W	27EL4.5W	27.5	2.2	3.2
		4	27ER4W	27EL4W		2.2	3.2

Thread Cutter Series

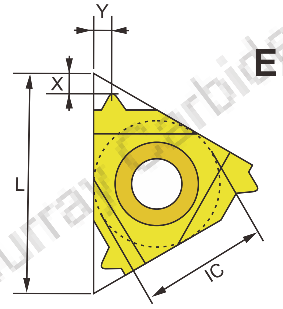
British Wyeth Thread 55° Complete Type (BSW、BSF、BSP)



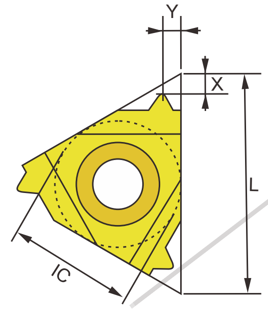
IR/EL

Insert Shape	I.C.	Pitch	Thread		L	X	Y
		TPI	External Thread	Internal Thread			
 Internal Thread Insert	1/4 "	19	11IR19W	11IL19W	11	0.8	0.8
		14	11IR14W	11IL14W		0.8	0.8
	3/8 "	28	16IR28W	16IL28W	16.5	0.8	0.8
		26	16IR26W	16IL26W		0.8	0.8
		24	16IR24W	16IL24W		0.8	0.8
		22	16IR22W	16IL22W		0.8	0.8
		20	16IR20W	16IL20W		0.8	0.8
		19	16IR19W	16IL19W		0.8	0.8
		18	16IR18W	16IL18W		0.8	0.8
		16	16IR16W	16IL16W		1.2	1.5
		14	16IR14W	16IL14W		1.2	1.5
		12	16IR12W	16IL12W		1.2	1.5
		11	16IR11W	16IL11W		1.2	1.5
		10	16IR10W	16IL10W		1.2	1.5
		9	16IR9W	16IL9W		1.2	1.5
		8	16IR8W	16IL8W		1.2	1.5
	1/2 "	7	22IR7W	22IL7W	22	2.0	2.5
		6	22IR6W	22IL6W		2.2	2.5
		5	22IR5W	22IL5W		1.8	2.5
	5/8 "	4.5	27IR4.5W	27IL4.5W	27.5	2.2	3.2
		4	27IR4W	27IL4.5W		2.2	3.2

British Standard Pipe Thread BSPT Complete Type



ER/IL



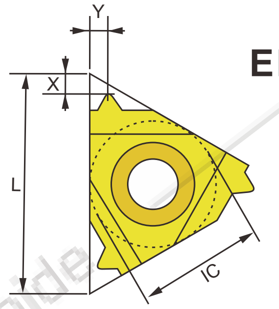
IR/EL

Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 External Thread Insert	3/8 "	28	16ER28BSPT	16EL28BSPT	16.5	0.6	0.6
		19	16ER19BSPT	16EL19BSPT		0.8	0.9
		14	16ER14BSPT	16EL14BSPT		1.0	1.2
		11	16ER11BSPT	16EL11BSPT		1.1	1.5

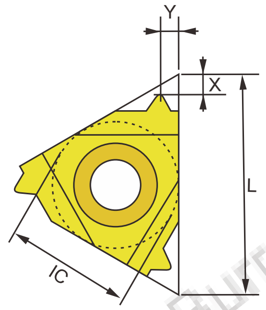
Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 Internal Thread Insert	3/8 "	28	16IR28BSPT	16IL28BSPT	16.5	0.6	0.6
		19	16IR19BSPT	16IL19BSPT		0.8	0.9
		14	16IR14BSPT	16IL14BSPT		1.0	1.2
		11	16IR11BSPT	16IL11BSPT		1.1	1.5

Thread Cutter Series

American Standard Pipe Thread NPT Complete Type



ER/IL

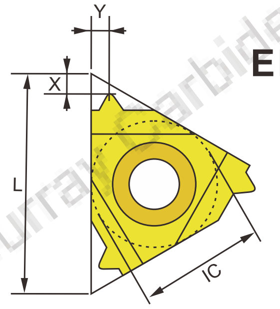


IR/EL

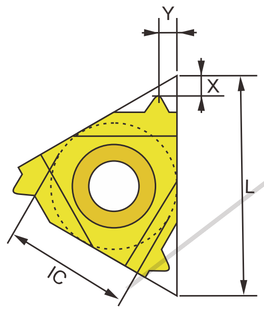
Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	27	16ER27NPT	16EL27NPT	16.5	0.8	0.7
		18	16ER18NPT	16EL18NPT		0.8	0.7
		14	16ER14NPT	16EL14NPT		1.5	1.1
		11.5	16ER11.5NPT	16EL11.5NPT		1.5	1.1
		8	16ER8NPT	16EL8NPT		1.5	1.1

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	3/8 "	27	16IR27NPT	16IL27NPT	16.5	0.8	0.7
		18	16IR18NPT	16IL18NPT		0.8	0.7
		14	16IR14NPT	16IL14NPT		1.5	1.1
		11.5	16IR11.5NPT	16IL11.5NPT		1.5	1.1
		8	16IR8NPT	16IL8NPT		1.5	1.1

American Dry Seal Pipe Thread Standard NPTF Complete Type



ER/IL



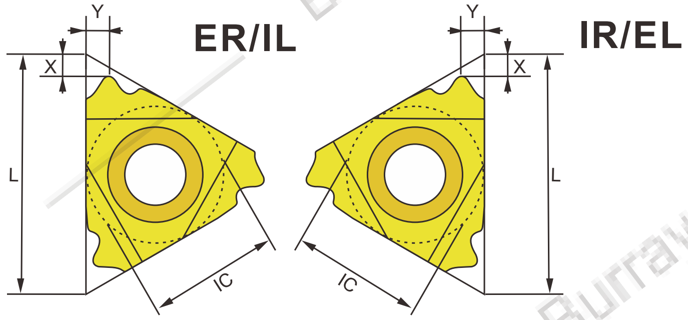
IR/EL

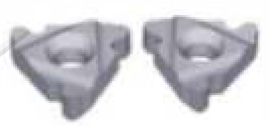
Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	1/4 "	27	11ER27NPTF	11EL27NPTF	11	0.8	0.7
		18	11ER18NPTF	11EL18NPTF		0.8	0.7
		14	11ER14NPTF	11EL14NPTF		1.2	1.0
	3/8 "	27	16ER27NPTF	16EL27NPTF	16.5	0.8	0.7
		18	16ER18NPTF	16EL18NPTF		0.8	0.7
		14	16ER14NPTF	16EL14NPTF		1.5	1.1
		11.5	16ER11.5NPTF	16EL11.5NPTF		1.5	1.1
		8	16ER8NPTF	16EL8NPTF		1.5	1.1

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	1/4 "	27	11IR27NPTF	11IL27NPTF		0.8	0.7
		18	11IR18NPTF	11IL18NPTF		0.8	0.7
		14	11IR14NPTF	11IL14NPTF		1.2	1.0
	3/8 "	27	16IR27NPTF	16IL27NPTF		0.8	0.7
		18	16IR18NPTF	16IL18NPTF		0.8	0.7
		14	16IR14NPTF	16IL14NPTF		1.5	1.1
		11.5	16IR11.5NPTF	16IL11.5NPTF		1.5	1.1
		8	16IR8NPTF	16IL8NPTF		1.5	1.1

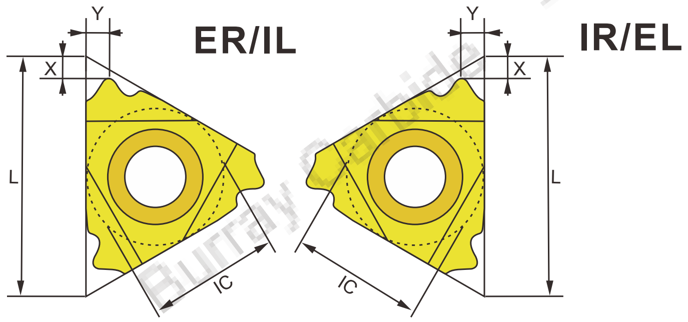
Thread Cutter Series

German Round Thread RD DIN 405 Complete Type



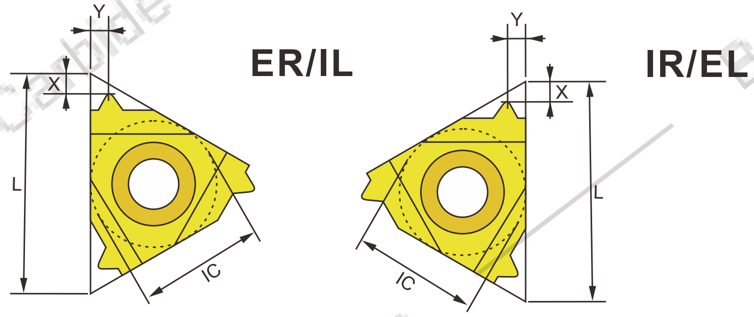
Insert Shape	I.C.	Pitch mm	Thread Right Thread	Thread Left Thread	L	X	Y
 Thread Insert	1/2 "	4.0	22ER4.0RD20400	22IR4.0RD20400	22	1.4	1.4
		5.0	22ER5.0RD20400	22IR5.0RD20400	22	1.7	1.8
		6.0	22ER6.0RD20400	22IR6.0RD20400	22	1.7	2.0
	5/8 " U	8.0	*27U-8.0RD20400	*27U-8.0RD20400	33	3.0	13.7

German Steel Pipe Thread PG DIN 40430



Insert Shape	I.C.	Pitch TPI	Thread Right Thread	Thread Left Thread	L	X	Y
Thread Insert	1/4 "	20		11ER20PG	11	0.7	0.8
		18		11ER18PG	11	0.8	0.9
	3/8 "	20	16ER20PG	16IR20PG	16.5	0.7	0.8
		18	16ER18PG	16IR18PG	16.5	0.8	0.9
		16	16ER16PG	16IR16PG	16.5	0.8	1.0

Metric Trapezoidal Thread Insert TR(DIN103) Complete Type、Incomplete Type

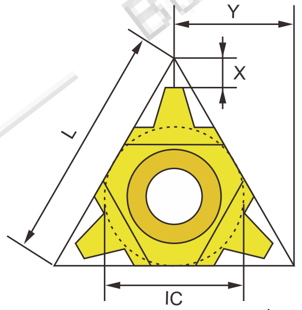


Insert Shape	I.C.	Pitch mm	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	1.5	16ER1.5TR	16EL1.5TR	16.5	1.0	1.1
		2	16ER2TR	16EL2TR		1.1	1.3
		3	16ER3TR	16EL3TR		1.3	1.5
	1/2 "	4	22ER4TR	22EL4TR	22	1.8	1.9
		5	22ER5TR	22EL5TR		2.0	2.4
	5/8 "	6	26ER6TR	26EL6TR	27.5	2.3	2.7
		7	26ER7TR	26EL7TR		2.2	2.6

Insert Shape	I.C.	Pitch mm	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	3/8 "	1.5	16IR1.5TR	16IL1.5TR	16.5	1.0	1.1
		2	16IR2TR	16IL2TR		1.1	1.3
		3	16IR3TR	16IL3TR		1.3	1.5
	1/2 "	4	22IR4TR	22IL4TR	22	1.8	1.9
		5	22IR5TR	22IL5TR		2.0	2.4
	5/8 "	6	26IR6TR	26IL6TR	27.5	2.3	2.7
		7	26IR7TR	26IL7TR		2.2	2.6

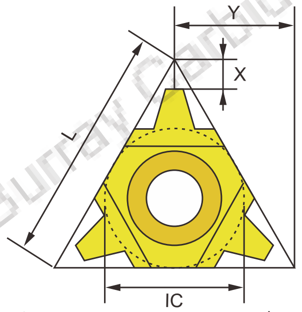
Thread Cutter Series

Metric Trapezoidal Thread Insert TR(DIN103) Type U



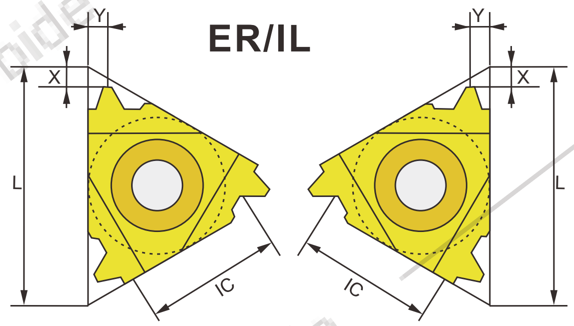
Insert Shape	I.C.	Pitch mm	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 Thread Insert	1/2 " U	6	22U ER/L6TR	22U IR/L6TR	22	2.0	11.0
		7	22U ER/L7TR	22U IR/L7TR	22	2.3	11.0
	5/8 " U	8	27U ER/L8TR	27U IR/L8TR	27.5	2.5	13.7
		9	27U ER/L9TR	27U IR/L9TR	27.5	3.0	13.7
		10	27U ER/L10TR	27U IR/L10TR	27.5	3.2	13.7
	3/4 " U	12	33U ER/L12TR	33U IR/L12TR	33	3.9	16.9

American Trapezoidal Thread ACME Type U



Insert Shape	I.C.	Pitch TPI	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 Thread Insert	1/2 " U	4	22U ER/L4ACME	22U IR/L4ACME	22	2.3	11.0
	5/8 " U	3	27U ER/L3ACME	27U IR/L3ACME	27.5	2.8	13.7
	3/4 " U	2	33U ER/L2ACME	33U IR/L2ACME	33	4.3	16.9

American Trapezoidal Thread ACME Complete Type、Incomplete Type

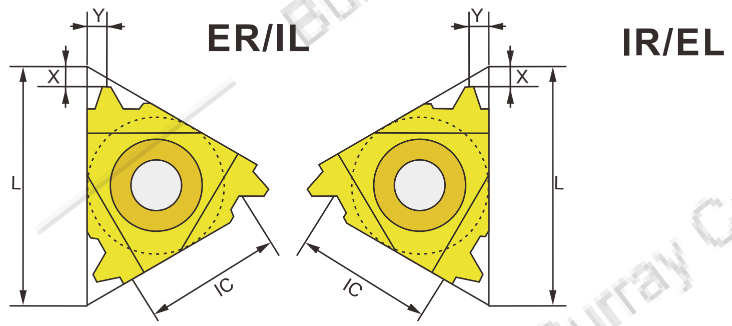


Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	1/4 "	16	11ER16ACME	11EL16ACME	11	0.9	0.9
	3/8 "	16	16ER16ACME	16EL16ACME	16.5	0.9	0.9
		14	16ER14ACME	16EL14ACME		1.0	1.0
		12	16ER12ACME	16EL12ACME		1.1	1.1
		10	16ER10ACME	16EL10ACME		1.3	1.3
		8	16ER8ACME	22EL8ACME		1.5	1.5
	1/2 "	6	22ER6ACME	22EL6ACME	22	1.8	1.8
		5	22ER5ACME	22EL5ACME		2.0	2.0
	5/8 "	4	27ER4ACME	27EL4ACME	27.5	2.3	2.3

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	1/4 "	16	11IR16ACME	11IL16ACME	11	0.9	0.9
	3/8 "	16	16IR16ACME	16IL16ACME	16.5	0.9	0.9
		14	16IR14ACME	16IL14ACME		1.0	1.0
		12	16IR12ACME	16IL12ACME		1.1	1.1
		10	16IR10ACME	16IL10ACME		1.3	1.3
		8	16IR8ACME	22IL8ACME		1.5	1.5
	1/2 "	6	22IR6ACME	22IL6ACME	22	1.8	1.8
		5	22IR5ACME	22IL5ACME		2.0	2.0
	5/8 "	4	27IR4ACME	27IL4ACME	27.5	2.3	2.3

Thread Cutter Series

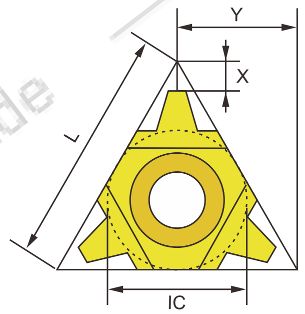
American Stub Trapezoidal Thread STACME Complete Type、Incomplete Type



Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	1/4 "	16	11ER16STACME	11EL16STACME	11	0.9	1.0
	3/8 "	16	16ER16STACME	16EL16STACME	16.5	0.9	1.0
		14	16ER14STACME	16EL14STACME		1.0	1.2
		12	16ER12STACME	16EL12STACME		1.1	1.2
		10	16ER10STACME	16EL10STACME		1.3	1.3
		8	16ER8STACME	22EL8STACME		1.5	1.5
	1/2 "	6	22ER6STACME	22EL6STACME	22	1.8	2.1
		5	22ER5STACME	22EL5STACME		2.0	2.3
	5/8 "	4	27ER4STACME	27EL4STACME	27.5	2.3	2.7
		3	27ER3STACME	27EL3STACME		2.8	2.9

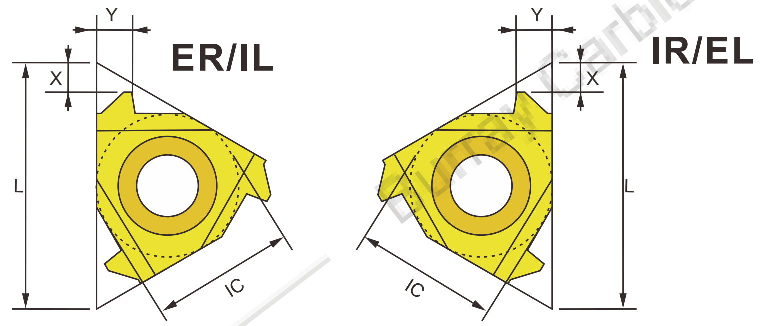
Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	1/4 "	16	11IR16STACME	11IL16STACME	11	0.9	1.0
	3/8 "	16	16IR16STACME	16IL16STACME	16.5	0.9	1.0
		14	16IR14STACME	16IL14STACME		1.0	1.2
		12	16IR12STACME	16IL12STACME		1.1	1.2
		10	16IR10STACME	16IL10STACME		1.3	1.3
		8	16IR8STACME	22IL8STACME		1.5	1.5
	1/2 "	6	22IR6STACME	22IL6STACME	22	1.8	2.1
		5	22IR5STACME	22IL5STACME		2.0	2.3
	5/8 "	4	27IR4STACME	27IL4STACME	27.5	2.3	2.7
		3	27IR3STACME	27IL3STACME		2.8	2.9

American Stub Trapezoidal Thread STACME Type U



Insert Shape	I.C.	Pitch TPI	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 Thread Insert	1/2 " U	4	22U ER/L4STACME	22U IR/L4STACME		22	2.5
		3	22U ER/L3STACME	22U IR/L3STACME		22	3.3
	3/4 " U	2	33U ER/L2STACME	33U IR/L2STACME		33	5.0

Metric Serrated Thread Insert (3°/30°) (DIN513)

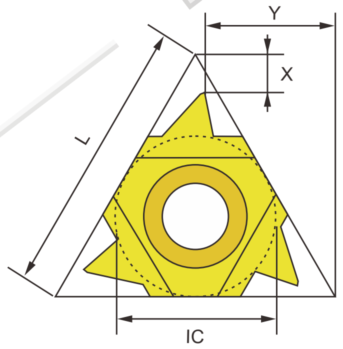


Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	3/8 "	2.0	16ER2.0SAGE	16EL2.0SAGE	16.5	1.1	1.6
	1/2 "	3.0	22ER3.0SAGE	22EL3.0SAGE		1.5	2.4
		4.0	22ER4.0SAGE	22EL4.0SAGE	22	1.9	11.7

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	3/8 "	2.0	16IR2.0SAGE	16IL2.0SAGE	11	1.2	1.7
	1/2 "	3.0	22IR3.0SAGE	22IL3.0SAGE	22	1.9	2.9
		4.0	22IR4.0SAGE	22IL4.0SAGE		2.3	3.5

Thread Cutter Series

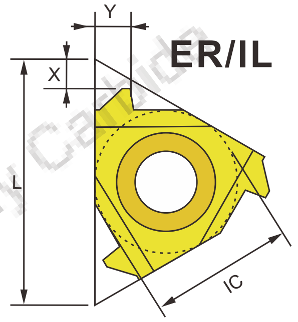
Metric Serrated Thread Insert (3°/30°) (DIN513) Type U

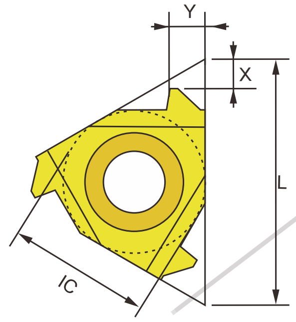


Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 External Thread Insert	1/2 " U	5.0	22UER5.0SAGE	22UEL5.0SAGE	22	1.2	11.6
		6.0	22UER6.0SAGE	22UEL6.0SAGE		1.2	11.7

Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 Internal Thread Insert	1/2 " U	5.0	22UIR5.0SAGE	22UIL5.0SAGE	22	1.9	2.7
		6.0	22UIR6.0SAGE	22UIL6.0SAGE		2.1	11.9

American Serrated Thread Insert (7°/45°) ABUTT



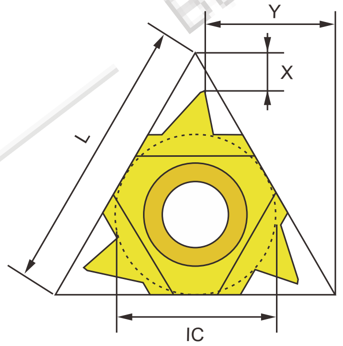


Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 External Thread Insert	1/4 "	20	11ER20ABUTT	11EL20ABUTT	11	1.0	1.3
		16	11ER16ABUTT	11EL16ABUTT		1.0	1.5
	3/8 "	20	16ER20ABUTT	16EL20ABUTT	16.5	1.0	1.3
		16	16ER16ABUTT	16EL16ABUTT		1.0	1.5
		12	16ER12ABUTT	16EL12ABUTT		1.4	2.0
		10	16ER10ABUTT	16EL10ABUTT		1.5	2.3
	1/2 "	8	22ER8ABUTT	22EL8ABUTT	22	2.1	3.3
		6	22ER6ABUTT	22EL6ABUTT		2.1	3.4

Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 Internal Thread Insert	1/4 "	20	11IR20ABUTT	11IL20ABUTT	11	1.0	1.3
		16	16IR16ABUTT	16IL16ABUTT		1.0	1.5
	3/8 "	20	16IR20ABUTT	16IL20ABUTT	16.5	1.0	1.3
		16	16IR16ABUTT	16IL16ABUTT		1.0	1.5
		12	16IR12ABUTT	16IL12ABUTT		1.4	2.0
		10	16IR10ABUTT	16IL10ABUTT		1.5	2.3
	1/2 "	8	22IR8ABUTT	22IL8ABUTT	22	2.1	3.3
		6	22IR6ABUTT	22IL6ABUTT		2.1	3.4

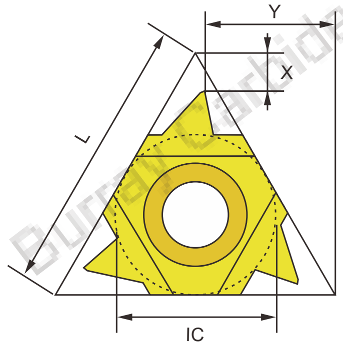
Thread Cutter Series

American Serrated Thread Insert (7°/45°) ABUTT Type U



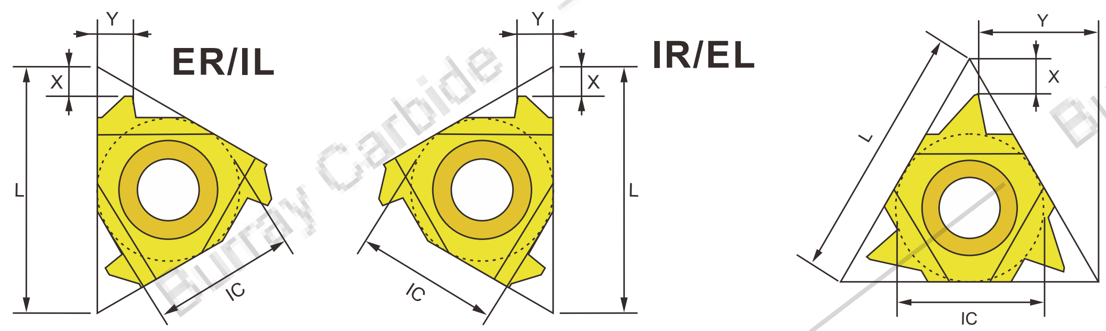
Insert Shape	I.C.	Pitch TPI	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 External Thread Insert	1/2 " U	4	22U ER4ABUTT	22U IR4ABUTT	22	2.3	9.5
			22U EL4ABUTT	22U IL4ABUTT			
	5/8 " U	3	27U ER3ABUTT	27U IR3ABUTT	27.5	3.1	11.7
			27U EL3ABUTT	27U IL3ABUTT			

British Serrated Thread Insert (7°/45°) BBUTT Type U



Insert Shape	I.C.	Pitch TPI	External Thread Right, Left Thread	Internal Thread Right, Left Thread	L	X	Y
 External Thread Insert	1/2 " U	4	22U ER4BBUTT	22U IR4BBUTT	22	2.3	9.5
			22U EL4BBUTT	22U IL4BBUTT			
	5/8 " U	3	27U ER3BBUTT	27U IR3BBUTT	27.5	3.1	11.7
			27U EL3BBUTT	27U IL3BBUTT			

British Serrated Thread Insert (7°/45°) BBUTT

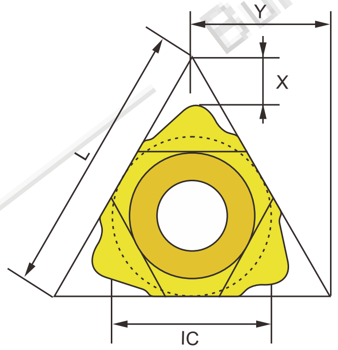


Insert Shape	I.C.	Pitch TPI	External Thread Right Thread	External Thread Left Thread	L	X	Y
 External Thread Insert	1/4 "	20	11ER20BBUTT	11EL20BBUTT	11	1.0	1.3
		16	11ER16BBUTT	11EL16BBUTT		1.0	1.5
	3/8 "	20	16ER20BBUTT	16EL20BBUTT	16.5	1.0	1.3
		16	16ER16BBUTT	16EL16BBUTT		1.0	1.5
		12	16ER12BBUTT	16EL12BBUTT		1.4	2.0
		10	16ER10BBUTT	16EL10BBUTT		1.5	2.3
	1/2 "	8	22ER8BBUTT	22EL8BBUTT	22	2.1	3.3
		6	22ER6BBUTT	22EL6BBUTT		2.1	3.4
	1/2 " U	4	22U ER4BBUTT	22U EL4BBUTT	22	2.3	9.5
	5/8 " U	3	27U ER3BBUTT	27U EL3BBUTT	27.5	3.1	11.7

Insert Shape	I.C.	Pitch TPI	Internal Thread Right Thread	Internal Thread Left Thread	L	X	Y
 Internal Thread Insert	1/4 "	20	11IR20BBUTT	11IL20BBUTT	11	1.0	1.3
		16	16IR16BBUTT	16IL16BBUTT		1.0	1.5
	3/8 "	20	16IR20BBUTT	16IL20BBUTT	16.5	1.0	1.3
		16	16IR16BBUTT	16IL16BBUTT		1.0	1.5
		12	16IR12BBUTT	16IL12BBUTT		1.4	2.0
 Type U		10	16IR10BBUTT	16IL10BBUTT		1.5	2.3
	1/2 "	8	22IR8BBUTT	22IL8BBUTT	22	2.1	3.3
		6	22IR6BBUTT	22IL6BBUTT		2.1	3.4
	1/2 " U	4	22U IR4BBUTT	22U IL4BBUTT	22	2.3	9.5
	5/8 " U	3	27U IR3BBUTT	27U IL3BBUTT	27.5	3.1	11.7

Thread Cutter Series

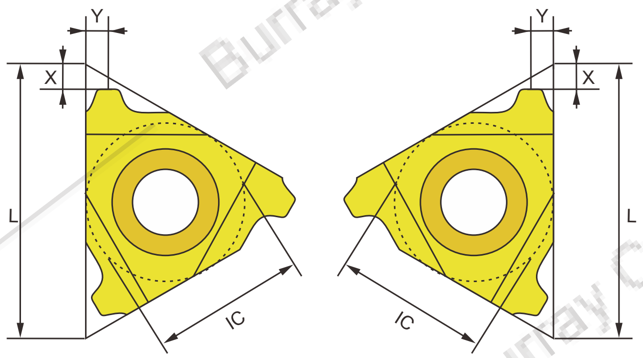
American Serrated Thread Insert (7°/45°) ABUTT Type U



Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread				
 External Thread Insert	1/2 " U	3.5	22UER3.5H902	31/2 " ~65/8 "	22	4.2	11
		3.5	22UER3.5H903	7 " ~85/8 "		4.2	11
	5/8 " U	3	27UER3H90	23/8 " ~31/2 "	27.5	5.5	13.5

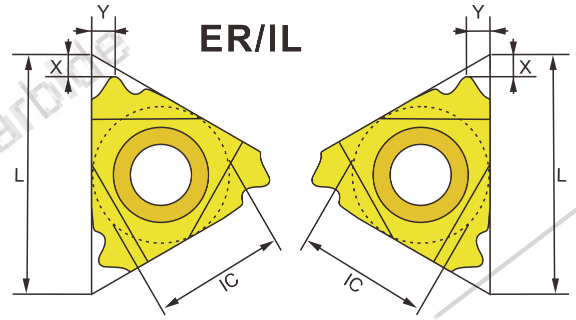
Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread				
 Internal Thread Insert	1/2 " U	3.5	22UIR3.5H902	31/2 " ~65/8 "	22	4.2	11
		3.5	22UIR3.5H903	7 " ~85/8 "		4.2	11
	5/8 " U	3	27UIR3H90	23/8 " ~31/2 "	27.5	5.5	13.5

Petroleum Pipe Thread Type BUT



Pitch	L	I.C.	Taper	External Thread Insert	Internal Thread Insert	X	Y	Connection Number Size
5	22	5/8 "	0.75	22ER5BUT0.75	22IR5BUT0.75	2.2	2.4	41/2~133/8
5	22	5/8 "	1.0	22ER5BUT1.0	22IR5BUT1.0	2.3	2.4	16~20

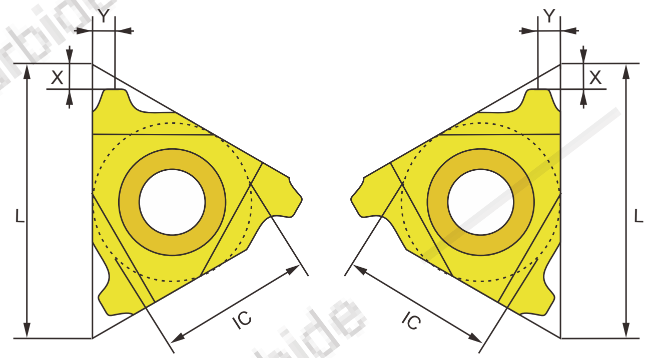
American Petroleum Pipe Thread API Complete Type



Insert Shape	I.C.	Pitch	External Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 External Thread Insert	3/8 "	10	16ER10 API RD	16EL10 API RD	16.5	1.1	1.2
		8	16ER8 API RD	16EL8 API RD		1.4	1.3
	1/2 "	10	22ER10 API RD	22EL10 API RD	22	1.5	1.7
		8	22ER8 API RD	22EL8 API RD		2.2	2.3

Insert Shape	I.C.	Pitch	Internal Thread		L	X	Y
		TPI	Right Thread	Left Thread			
 Internal Thread Insert	3/8 "	10	16IR10 API RD	16IL10 API RD	16.5	1.1	1.2
		8	16IR8 API RD	16IL8 API RD		1.4	1.3
	1/2 "	10	22IR10 API RD	22IL10 API RD	22	1.5	1.7
		8	22IR8 API RD	22IL8 API RD		2.2	2.3

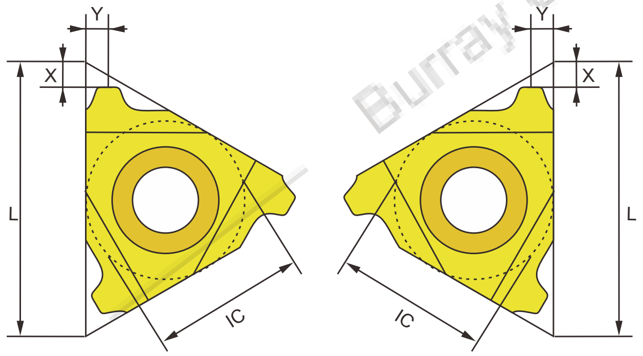
Petroleum Pipe Thread Type BUT



Pitch	L	I.C.	Taper	External Thread Insert	Internal Thread Insert	X	Y	Connection Number Size
5	22	5/8 "	0.75	16ER5BUT0.75	16IR5BUT0.75	2.2	2.4	41/2~133/8
5	22	5/8 "	1.0	16ER5BUT1.0	16IR5BUT1.0	2.3	2.4	16~20

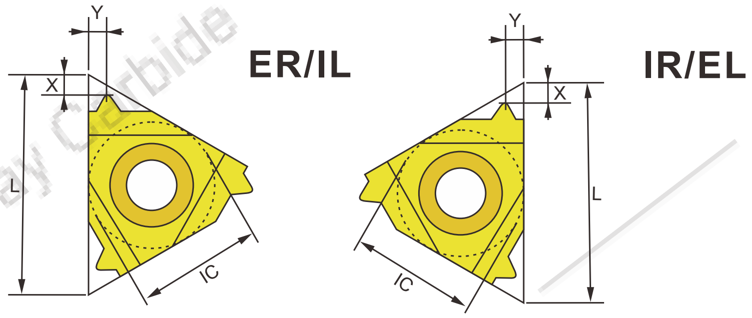
Thread Cutter Series

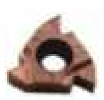
Petroleum Pipe Thread Type BUT



Pitch	L	I.C.	Taper	External Thread Insert	Internal Thread Insert	X	Y	Connection Number Size
5	22	5/8 "	0.75	22ER5BUT0.75	22IR5BUT0.75	2.2	2.4	41/2~133/8
5	22	5/8 "	1.0	22ER5BUT1.0	22IR5BUT1.0	2.3	2.4	16~20

Broken-out section 60° Section Top Typ



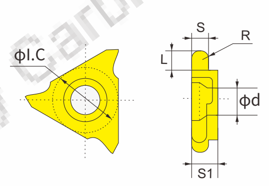
Insert Shape	Model	Insert Shape	Model	Pitch Width mm	Pitch Width TPI	Size(mm) I.C.	Size(mm) L	Size(mm) X	Size(mm) Y	Insert material YZ001-J66			
	16ERAG60		16NRAG60	0.5~3.0	48~8	3/8	16	1.2	1.7	●			
	16ER1.0ISO		16NR1.0ISO	1.00	25			0.6	0.7	●			
	16ER1.5ISO		16NR1.5ISO	1.50	16			0.8	1.0	●			
	16ER2.0ISO		16NR2.0ISO	2.00	12			1.0	1.3	●			
	16ER2.5ISO		16NR2.5ISO	2.50	10			1.1	1.5	●			
	16ER3.0ISO		16NR3.0ISO	3.00	8			1.1	1.5	●			
	16ER11.5NPT		16NR11.5NPT	2.21	11.5			0.8	1.0	●			
	16ER14NPT		16NR14NPT	1.81	14			0.8	1.0	●			
	16ER11BSPT		16NR11BSPT	2.31	11			1.1	1.5	●			
	16ER14BSPT		16NR14BSPT	1.81	14			1.0	1.0	●			

Circlip Groove Insert Series

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	5235	1-4μm	Fuchsia	Stainless Steel, Steel

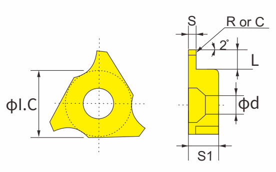
Insert Shape	Model	Chipbreaker Width W±0.02(mm)	Size(mm) A	B	T	D	L	re	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al Rd3255
	7GR-100	1															●																
	7GR-150	1.5	5.56	7.36	3.08	2.58	5.56	0.2									●																
	7GR-200	2															●																
	8GR-100	1															●																
	8GR-150	1.5															●																
	8GR-200	2	5.56	10.16	3.87	2.58	6.18	0.2									●																
	8GR-250	2.5															●																
	8GR-300	3															●																
	9GR-100	1															●																
	9GR-150	1.5															●																
	9GR-200	2	5.56	10.16	3.87	2.58	6.18	0.2									●																
	9GR-250	2.5															●																
	9GR-300	3															●																

Circlip Groove Insert Series



Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5235	1-4μm	Fuchsia	Stainless Steel, Steel
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

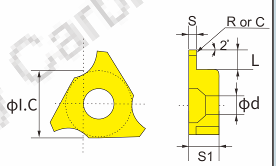
Insert Shape	Model	Size(mm)			φI.C		Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	W	G	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	TGF32R-050		0.50	1.3											●																
	TGF32R-075		0.75	1.9											●																
	TGF32R-080	16	0.80	1.9	3/8	3.18									●																
	TGF32R-090		0.90	1.9											●																
	TGF32R-095		0.95	1.9											●																
	TGF32R-100		1.00	2.3											●																
	TGF32R-110		1.10	2.3											●																
	TGF32R-120	16	1.20	2.3	3/8	3.18									●																
	TGF32R-125		1.25	2.3											●																
	TGF32R-130		1.30	2.3											●																
	TGF32R-140		1.40	2.3											●																
	TGF32R-150	16	1.50	2.3	3/8	3.18									●																
	TGF32R-160		1.60	2.3											●																
	TGF32R-175		1.75	2.3											●																
	TGF32R-190		1.90	2.8											●																
	TGF32R-200	16	2.00	2.8	3/8	3.18									●																
	TGF32R-220		2.20	2.8											●																
	TGF32R-225		2.25	2.8											●																
	TGF32R-230		2.30	2.8											●																
	TGF32R-250	16	2.50	2.8	3/8	3.18									●																
	TGF32R-260		2.60	2.8											●																
	TGF32R-300		3.00	2.8											●																



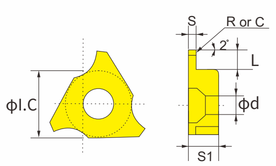
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5235	1-4μm	Fuchsia	Stainless Steel, Steel
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	W	G	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	TGF32L-050		0.50	1.3											●																
	TGF32L-075		0.75	1.9											●																
	TGF32L-080	16	0.80	1.9	3/8	3.18									●																
	TGF32L-090		0.90	1.9											●																
	TGF32L-095		0.95	1.9											●																
	TGF32L-100		1.00	2.3											●																
	TGF32L-110		1.10	2.3											●																
	TGF32L-120	16	1.20	2.3	3/8	3.18									●																
	TGF32L-125		1.25	2.3											●																
	TGF32L-130		1.30	2.3											●																
	TGF32L-140		1.40	2.3											●																
	TGF32L-150	16	1.50	2.3	3/8	3.18									●																
	TGF32L-160		1.60	2.3											●																
	TGF32L-175		1.75	2.3											●																
	TGF32L-190		1.90	2.8											●																
	TGF32L-200	16	2.00	2.8	3/8	3.18									●																
	TGF32L-220		2.20	2.8											●																
	TGF32L-225		2.25	2.8											●																
	TGF32L-230		2.30	2.8											●																
	TGF32L-250	16	2.50	2.8	3/8	3.18									●																
	TGF32L-260		2.60	2.8											●																
	TGF32L-300		3.00	2.8											●																

Circlip Groove Insert Series

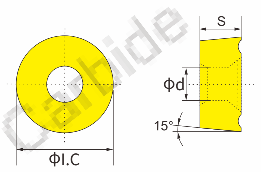
	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
		P Steel	5235	1-4μm	Fuchsia	Stainless Steel, Steel
		M Stainless steel				
		K Cast iron				
		N Aluminum, copper				
		S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	W	G	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	GBA42R075	2.5	4.76	12.7	5.4	0.1									●																
	GBA42R100														●																
	GBA42R120														●																
	GBA42R125														●																
	GBA42R140														●																
	GBA42R145														●																
	GBA42R150	3.5													●																
	GBA42R160														●																
	GBA42R170														●																
	GBA42R175														●																
	GBA42R180														●																
	GBA42R185														●																
	GBA42R195														●																
	GBA42R200					0.2									●																
	GBA42R210														●																
	GBA42R220														●																
	GBA42R225														●																
	GBA42R230														●																
	GBA42R240	4.6													●																
	GBA42R250														●																
	GBA42R265														●																
	GBA42R270														●																
	GBA42R280														●																
	GBA42R300														●																
	GBA42R320														●																
	GBA42R325														●																
	GBA42R330														●																

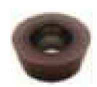
	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
		P Steel	5235	1-4μm	Fuchsia	Stainless Steel, Steel
		M Stainless steel				
		K Cast iron				
		N Aluminum, copper				
		S Heat-resistant alloy, titanium				

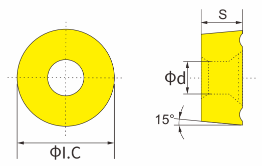
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	W	G	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	GBA42R350	5.0	4.76	12.7	5.4	0.2									●																
	GBA42R360														●																
	GBA42R380														●																
	GBA42R400														●																
	GBA42R420					0.3									●																
	GBA42R450														●																
	GBA42R460														●																
	GBA42R470														●																
	GBA42R480		4.9												●																

Milling Insert Series

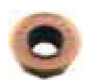
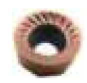
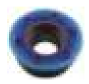


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M	Stainless steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
K	Cast iron	V1	2-3μm	Blue Purple	HRC55°Steel Steel Stainless
N	Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
S	Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
		820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

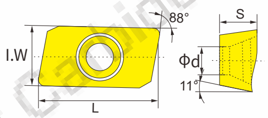
Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	RDMW1204MO	12	12	4.76	4	–			●																						
	RDMW1204MO	12	12	4.76	4	–				●																					
	RDMW1204MO	12	12	4.76	4	–		●																							
	RDMW1204MO	12	12	4.76	4	–						●																			
	RDMW1204MO	12	12	4.76	4	–							●																		
	RDMW1204MO	12	12	4.76	4	–					●																				
	RDMW1204MO	12	12	4.76	4	–			●																						
	RDMW1204MO	12	12	4.76	4	–			●																						
	RDMW1204MO	12	12	4.76	4	–		●																							



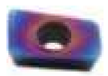
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
M	Stainless steel	V1	2-3μm	Blue Purple	HRC55°Steel Steel Stainless
K	Cast iron	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
N	Aluminum, copper	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
S	Heat-resistant alloy, titanium				

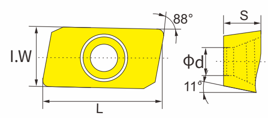
Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	RDMW1204MO-JS	12	12	4.76	4	–					●																				
	RDMW1204MO	12	12	4.76	4	–					●																				
	RDMT1605MOT	16	16	5.56	5.4	–				●																					
	RDMT1605MOT	16	16	5.56	5.4	–			●																						
	RDMT1605MOT	16	16	5.56	5.4	–					●																				
	RDMT1605MOT	16	16	5.56	5.4	–								●																	

Milling Insert Series

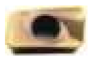
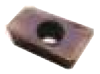


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M Stainless steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
K Cast iron	V1	2-3μm	Blue Purple	HRC55°Steel Steel Stainless
N Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
S Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

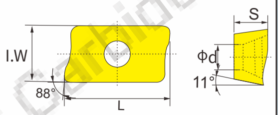
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ϕI.C	S	ϕd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8			●																						
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8			●																						
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8				●																					
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8				●																					
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8		●																							
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8		●																							
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8						●																			
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8						●																			
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8					●																				



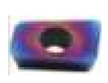
Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	3255	2-3μm	Golden	Steel Stainless Steel, Cast iron
M Stainless steel	V99	2-3μm	Black	HRC50°Die steel Ace Steel 45# Steel 718 P20
K Cast iron	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
N Aluminum, copper	820J	1.3-3.1μm	Bronze	Steel Stainless Superalloy Titanium alloy
S Heat-resistant alloy, titanium				

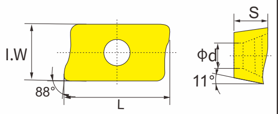
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ϕI.C	S	ϕd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8					●																				
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8						●																			
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8						●																			
	APMT1135PDER-H2	11.25	6.2	3.5	2.8	0.8																									
	APMT1135PDER-M2	11.25	6.2	3.5	2.8	0.8																									
	APMT1135PDER-DL	11.25	6.2	3.5	2.8	0.8			●																						
	APMT1135PDER-DL	11.25	6.2	3.5	2.8	0.8					●																				
	APMT1135PDER-G2	11.25	6.2	3.5	2.8	0.8																									

Milling Insert Series

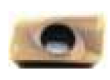
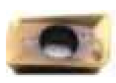


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel				
M	Stainless steel	V99	2-3ųm	Black	HRC45°Steel Stainless Steel, Cast iron
K	Cast iron	G1	2-5ųm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
N	Aluminum, copper	V1	2-3ųm	Blue Purple	HRC55°Steel Stainless Steel
S	Heat-resistant alloy, titanium	J66	2-4ųm	Bronze	HRC55°Steel Stainless Steel

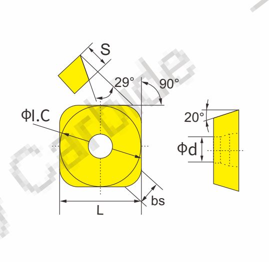
Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8			●																						
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8			●																						
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8				●																					
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8				●																					
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8		●																							
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8		●																							
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8						●																			
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8						●																			
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8					●																				



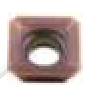
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel				
M	Stainless steel	V99	2-3ųm	Black	HRC45°Steel Stainless Steel, Cast iron
K	Cast iron	J66	2-5ųm	Bronze	HRC55°Steel Stainless Steel
N	Aluminum, copper	820J	2-3ųm	Bronze	Steel Stainless Superalloy Titanium alloy
S	Heat-resistant alloy, titanium	RD3255	none	none	Fully ground around, high-gloss polishing steel, aluminum, wood special

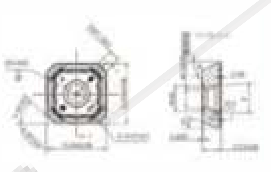
Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8					●																				
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-H2	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-M2	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-DL	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-DL	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-MA	17.25	9.25	4.76	4.4	0.8																									
	APMT1604PDER-G2	17.25	9.25	4.76	4.4	0.8																									

Milling Insert Series

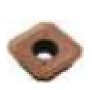


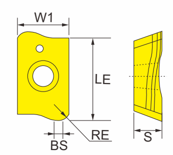
Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M Stainless steel				
K Cast iron	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
N Aluminum, copper				
S Heat-resistant alloy, titanium	V1	2-3μm	Blue Purple	HRC55°Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel				Steel					Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SEMT1204AFFN	12.6	12.6	4.76	5.5	–		●																							
	SEMT1204AFFN	12.6	12.6	4.76	5.5	–																									
									●																						
	SEMT1204AFFN	12.6	12.6	4.76	5.5	–					●																				

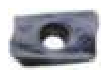
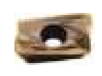


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel				
M Stainless steel	J66	2-3μm	Bronze	HRC45°Steel Stainless Steel, Cast iron
K Cast iron				
N Aluminum, copper	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
S Heat-resistant alloy, titanium				

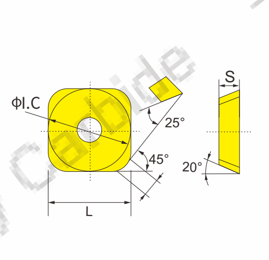
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel				Steel					Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SEET12T3	13.4	13.4	4.07	4.1	–					●																				
	SEET12T3	13.4	13.4	4.07	4.1	–						●																			



Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M Stainless steel	G1	2-5μm	Bronze	HRC50° Die steel Ace Steel 45# Steel 718 P20
K Cast iron	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
N Aluminum, copper	820J	1.3-3.1μm	Bronze	Steel Stainless Superalloy Titanium alloy
S Heat-resistant alloy, titanium	RD6255	none	none	Steel Stainless Steel

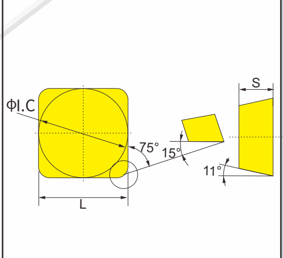
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel				Steel					Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	R39011T308	13.4	13.4	4.07	4.1	–			●																						
	R39011T308	13.4	13.4	4.07	4.1	–		●																							
	R39011T308	13.4	13.4	4.07	4.1	–							●																		
	R39011T308	13.4	13.4	4.07	4.1	–																							●		
	R39011T308	13.4	13.4	4.07	4.1	–						●																			

Milling Insert Series

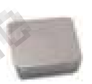


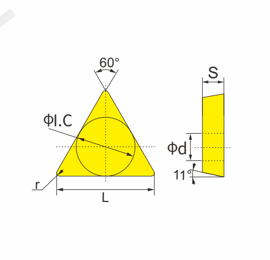
Workpiece Material	Coating Grade		Recommended processing materials
P Steel	YT14	All-grinding peripheral polishing Suitable for rough machining of die steel	Steel Stainless Steel
M Stainless steel			
K Cast iron	YG8		Grey Cast Iron Nodular Cast Iron
N Aluminum, copper			
S Heat-resistant alloy, titanium	RD6255		Steel Stainless Steel

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	bs	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SEEN1203AFTN	12.7	12.7	3.18	1.8																				●		●	●		



Workpiece Material	Coating Grade		Recommended processing materials
P Steel	YT14	All-grinding peripheral polishing Suitable for rough machining of die steel	Steel Stainless Steel
M Stainless steel			
K Cast iron	YG8		Grey Cast Iron Nodular Cast Iron
N Aluminum, copper			
S Heat-resistant alloy, titanium	RD6255		Steel Stainless Steel

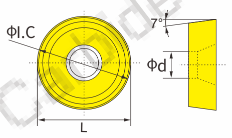
Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	bs	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	SPKN1504EDER(45°)	15.875	15.875	4.76	1.4																				●		●	●		
	SPKN1504EDER(65°)	15.875	15.875	4.76	1.4																				●		●	●		
	SPKN1504EDER(75°)	15.875	15.875	4.76	1.4																				●		●	●		



Workpiece Material	Coating Grade		Recommended processing materials
P Steel	YT14	All-grinding peripheral polishing Suitable for rough machining of die steel	Steel Stainless Steel
M Stainless steel			
K Cast iron	YG8		Grey Cast Iron Nodular Cast Iron
N Aluminum, copper			
S Heat-resistant alloy, titanium	RD6255		Steel Stainless Steel

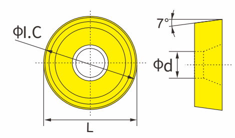
Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	bs	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TPKN1603PDTR	16.5	9.525	3.18	1.2																				●		●	●		
	TPGN2204PDTR	22	12.7	4.76	0.4																				●		●	●		

Milling Insert Series

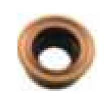
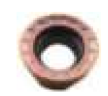


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M	Stainless steel	G1	2-5μm	Bronze	HRC50° Die steel Ace Steel 45# Steel 718 P20
K	Cast iron	V1	2-3μm	Blue Purple	HRC55°Steel Stainless Steel
N	Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
S	Heat-resistant alloy, titanium	820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

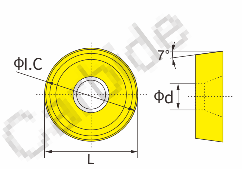
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	RPMW0802MO	8	8	2.33	2.94	–			●																						
	RPMW08T2MO	8	8	2.58	2.94	–			●																						
	RPMW08T2MO-JS	8	8	2.58	2.94	–			●																						
	RPMW1003MO	10	10	3.18	4.4	–			●																						
	RPMW1003MO	10	10	3.18	4.4	–				●																					
	RPMW1003MO	10	10	3.18	4.4	–		●																							
	RPMW1003MO	10	10	3.18	4.4	–						●																			
	RPMW1003MO	10	10	3.18	4.4	–					●																				
	RPMW1003MO	10	10	3.18	4.4	–							●																		
	RPMW1003MO	10	10	3.18	4.4	–																									



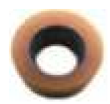
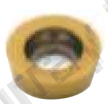
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel, Cast iron
M	Stainless steel	G1	2-5μm	Bronze	HRC50° Die steel Ace Steel 45# Steel 718 P20
K	Cast iron	V1	2-3μm	Blue Purple	HRC55°Steel Stainless Steel
N	Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
S	Heat-resistant alloy, titanium				

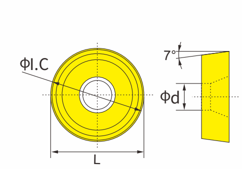
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	RCGT1003MO	10	10	3.18	2.8	–																									●
	RDMT10T3MOTN	10	10	3.97	5.56	–			●																						
	RDMT10T3MOTN	10	10	3.97	5.56	–				●																					
	RDMT10T3MOTN	10	10	3.97	5.56	–		●																							
	RDMT10T3MOTN	10	10	3.97	5.56	–					●																				
	RDMT10T3MOTN	10	10	3.97	5.56	–																									
	RPMT10T3MO-JS	10	10	3.97	5.56	–			●																						
	RPMT10T3MO-JS	10	10	3.18	4.4	–			●																						
	RPMT10T3MO-JS	10	10	3.18	4.4	–					●																				

Milling Insert Series

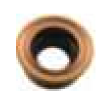
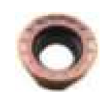


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3ųm	Black	HRC45°Steel Stainless Steel, Cast iron
M Stainless steel	G1	2-5ųm	Bronze	HRC50° Die steel Ace Steel 45# Steel 718 P20
K Cast iron	V1	2-3ųm	Blue Purple	HRC55°Steel Stainless Steel
N Aluminum, copper	J66	2-4ųm	Bronze	HRC55°Steel Stainless Steel
S Heat-resistant alloy, titanium	Z5255	8-10ųm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
	820J	1.3-3.1ųm	Yellow	Steel Stainless Superalloy Titanium alloy

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	RPMW0802MO	8	8	2.33	2.94	–			●																						
	RPMW08T2MO	8	8	2.58	2.94	–			●																						
	RPMW08T2MO-JS	8	8	2.58	2.94	–			●																						
	RPMW1003MO	10	10	3.18	4.4	–			●																						
	RPMW1003MO	10	10	3.18	4.4	–				●																					
	RPMW1003MO	10	10	3.18	4.4	–		●																							
	RPMW1003MO	10	10	3.18	4.4	–						●																			
	RPMW1003MO	10	10	3.18	4.4	–					●																				
	RPMW1003MO	10	10	3.18	4.4	–							●																		
	RPMW1003MO	10	10	3.18	4.4	–																									

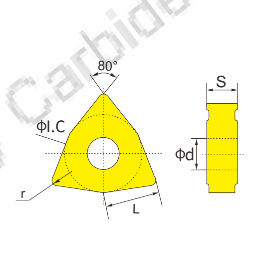


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3ųm	Black	HRC45°Steel Stainless Steel, Cast iron
M Stainless steel	G1	2-5ųm	Bronze	HRC50° Die steel Ace Steel 45# Steel 718 P20
K Cast iron	V1	2-3ųm	Blue Purple	HRC55°Steel Stainless Steel
N Aluminum, copper	J66	2-4ųm	Bronze	HRC55°Steel Stainless Steel
S Heat-resistant alloy, titanium	3255	none	none	Fully ground around, high-gloss polishing steel, aluminum, wood special

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	RCGT1003MO	10	10	3.18	2.8	–																									●
	RDMT10T3MOTN	10	10	3.97	5.56	–			●																						
	RDMT10T3MOTN	10	10	3.97	5.56	–				●																					
	RDMT10T3MOTN	10	10	3.97	5.56	–		●																							
	RDMT10T3MOTN	10	10	3.97	5.56	–					●																				
	RDMT10T3MOTN	10	10	3.97	5.56	–																									
	RPMT10T3MO-JS	10	10	3.97	5.56	–			●																						
	RPMT10T3MO-JS	10	10	3.18	4.4	–			●																						
	RPMT10T3MO-JS	10	10	3.18	4.4	–					●																				

Stainless Steel Insert Series

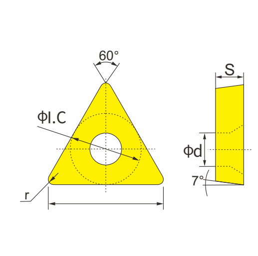
WN□□(Negative angle)



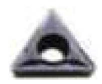
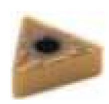
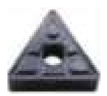
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	820JH	2.5-3μm	Black	Cast iron Steel
M	Stainless steel	F66	2-3μm	Black	Steel Stainless Steel
K	Cast iron	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
N	Aluminum, copper	J69	13-18μm	Black	Steel Stainless Suitable for disconnected cutting
S	Heat-resistant alloy, titanium	820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG090404-MA	8.7	12.7	4.76	5.16	0.2															●										
	WNMG080408-MA	8.7	12.7	4.76	5.16	0.4															●										
	WNMG080412-MA	8.7	12.7	4.76	5.16	0.8															●										
	WNMG090404-MA	8.7	12.7	4.76	5.16	0.2													●												
	WNMG080408-MA	8.7	12.7	4.76	5.16	0.4													●												
	WNMG080412-MA	8.7	12.7	4.76	5.16	0.8													●												
	WNMG090404-MA	8.7	12.7	4.76	5.16	0.2																●									
	WNMG080408-MA	8.7	12.7	4.76	5.16	0.4																●									
	WNMG080412-MA	8.7	12.7	4.76	5.16	0.8																●									
	WNMG090404-MA	8.7	12.7	4.76	5.16	0.2														●											
	WNMG080408-MA	8.7	12.7	4.76	5.16	0.4														●											
	WNMG080412-MA	8.7	12.7	4.76	5.16	0.8														●											
	WNMG080404R-VF	8.7	12.7	4.76	5.16	0.4														●											
	WNMG080408R-VF	8.7	12.7	4.76	5.16	0.4														●											
	WNMG080404L-VF	8.7	12.7	4.76	5.16	0.4														●											
	WNMG080408L-VF	8.7	12.7	4.76	5.16	0.4														●											
	WNMG090404-HA	8.7	12.7	4.76	5.16	0.2													●												
	WNMG080408-HA	8.7	12.7	4.76	5.16	0.4													●												
	WNMG080412-HA	8.7	12.7	4.76	5.16	0.8													●												
	WNMG090404-TF	8.7	12.7	4.76	5.16	0.2																●									
	WNMG080408-TF	8.7	12.7	4.76	5.16	0.4																●									
	WNMG080412-TF	8.7	12.7	4.76	5.16	0.8																●									
	WNMG090404-TF	8.7	12.7	4.76	5.16	0.2												●													
	WNMG080408-TF	8.7	12.7	4.76	5.16	0.4												●													
	WNMG080412-TF	8.7	12.7	4.76	5.16	0.8												●													

TC/TN□□(Positive/Negative angle)

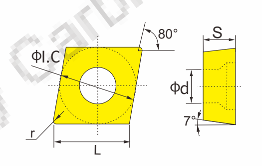


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	820JH	2.5-3μm	Black	Cast iron Steel
M	Stainless steel	F66	2-3μm	Black	Steel Stainless Steel
K	Cast iron	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
N	Aluminum, copper	J69	13-18μm	Black	Steel Stainless Suitable for disconnected cutting
S	Heat-resistant alloy, titanium	820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TCMT110204-TS	11	6.35	2.38	2.8	0.4															●										
	TCMT110208-TS	11	6.35	2.38	2.8	0.8															●										
	TCMT110204-TS	11	6.35	2.38	2.8	0.4													●												
	TCMT110208-TS	11	6.35	2.38	2.8	0.8													●												
	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4													●												
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8													●												
	TNMG160412-MA	16.5	9.525	4.76	3.81	1.2													●												
	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4															●										
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8															●										
	TNMG160412-MA	16.5	9.525	4.76	3.81	1.2															●										
	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4																●									
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8																●									
	TNMG160412-MA	16.5	9.525	4.76	3.81	1.2																●									
	TNMG150404R-VF	16.5	9.525	4.76	3.81	0.4														●											
	TNMG150408R-VF	16.5	9.525	4.76	3.81	0.8														●											
	TNMG150404L-VF	16.5	9.525	4.76	3.81	0.4														●											
	TNMG150408L-VF	16.5	9.525	4.76	3.81	0.8														●											
	TNMG160404-HA	16.5	9.525	4.76	3.81	0.4													●												
	TNMG160408-HA	16.5	9.525	4.76	3.81	0.8													●												
	TNMG160412-HA	16.5	9.525	4.76	3.81	1.2													●												
	TNMG160404-TF	16.5	9.525	4.76	3.81	0.4																●									
	TNMG160408-TF	16.5	9.525	4.76	3.81	0.8																●									
	TNMG160412-TF	16.5	9.525	4.76	3.81	1.2																●									
	TNMG160404-TF	16.5	9.525	4.76	3.81	0.4												●													
	TNMG160408-TF	16.5	9.525	4.76	3.81	0.8												●													
	TNMG160412-TF	16.5	9.525	4.76	3.81	1.2												●													

Stainless Steel Insert Series

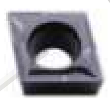
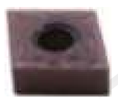
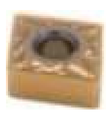
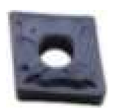
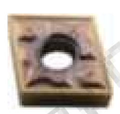
CC/CN□□(Positive/Negative angle)



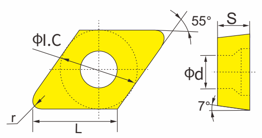
Workpiece Material

- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
820JH	2-3μm	Black	Cast iron Steel
J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
J69	2-4μm	Purple black	Steel Stainless Suitable for disconnected cutting
820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	CCMT060202-MS	6.4	6.35	2.38	2.8	0.2															●										
	CCMT060204-MS	6.4	6.35	2.38	2.8	0.4															●										
	CCMT060208-MS	6.4	6.35	2.38	2.8	0.8															●										
	CCMT09T304-MS	9.7	9.525	3.97	4.4	0.4															●										
	CCMT09T308-MS	9.7	9.525	3.97	4.4	0.8															●										
	CCMT060204-TS	6.4	6.35	2.38	2.8	0.4														●											
	CCMT060208-TS	6.4	6.35	2.38	2.8	0.8														●											
	CCMT09T304-TS	9.7	9.525	3.97	4.4	0.4														●											
	CCMT09T308-TS	9.7	9.525	3.97	4.4	0.8														●											
	CCMT120404-TS	12.9	12.7	4.76	5.16	0.4														●											
	CCMT120408-TS	12.9	12.7	4.76	5.16	0.8														●											
	CNMG120404-MA	12.9	12.7	4.76	5.16	0.4														●											
	CNMG120408-MA	12.9	12.7	4.76	5.16	0.8														●											
	CNMG120412-MA	12.9	12.7	4.76	5.16	1.2														●											
	CNMG120404-MA	12.9	12.7	4.76	5.16	0.4															●										
	CNMG120408-MA	12.9	12.7	4.76	5.16	0.8															●										
	CNMG120412-MA	12.9	12.7	4.76	5.16	1.2															●										
	CNMG120404-MA	12.9	12.7	4.76	5.16	0.4																●									
	CNMG120408-MA	12.9	12.7	4.76	5.16	0.8																●									
	CNMG120412-MA	12.9	12.7	4.76	5.16	1.2																●									
	CNMG120404-HA	12.9	12.7	4.76	5.16	0.4															●										
	CNMG120408-HA	12.9	12.7	4.76	5.16	0.8															●										
	CNMG120412-HA	12.9	12.7	4.76	5.16	1.2															●										
	CNMG120404-TF	12.9	12.7	4.76	5.16	0.4																●									
	CNMG120408-TF	12.9	12.7	4.76	5.16	0.8																●									
	CNMG120412-TF	12.9	12.7	4.76	5.16	1.2																●									
	CNMG120404-TF	12.9	12.7	4.76	5.16	0.4												●													
	CNMG120408-TF	12.9	12.7	4.76	5.16	0.8												●													
	CNMG120412-TF	12.9	12.7	4.76	5.16	1.2												●													

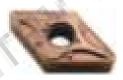
DC/DN□□(Positive/Negative angle)



Workpiece Material

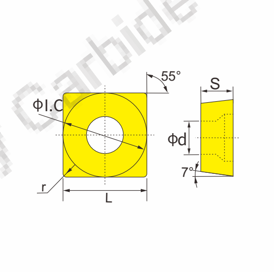
- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
F66	2.5-3μm	Bronze	Steel Stainless Steel
J66	2-4μm	Bronze	HRC55° Steel Steel Stainless
J69	2-4μm	Purple black	Steel Stainless Suitable for disconnected cuttingiron Steel

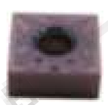
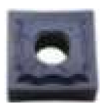
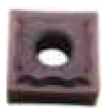
Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	DCMT070202-MS	7.8	6.35	2.38	2.8	0.2															●										
	DCMT070204-MS	7.8	6.35	2.38	2.8	0.4															●										
	DCMT070208-MS	7.8	6.35	2.38	2.8	0.8															●										
	DCMT11T304-MS	11.6	9.525	3.97	4.4	0.4															●										
	DCMT11T308-MS	11.6	9.525	3.97	4.4	0.8															●										
	DCMT11T304-TS	11.6	9.525	3.97	4.4	0.4													●												
	DCMT11T308-TS	11.6	9.525	3.97	4.4	0.8													●												
	DNMG150404-MA	15.5	12.7	4.76	5.16	0.4														●											
	DNMG150408-MA	15.5	12.7	4.76	5.16	0.8														●											
	DNMG150412-MA	15.5	12.7	4.76	5.16	1.2																									

Stainless Steel Insert Series

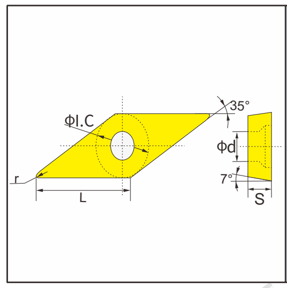
SN□□(Negative angle)



Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
M	Stainless steel	F66	2.5-3μm	Bronze	Stainless Steel Steel
K	Cast iron	J66	2-4μm	Bronze	HRC55°Steel Stainless Steel
N	Aluminum, copper	J69	2-4μm	Purple black	Steel Stainless Suitable for disconnected cutting
S	Heat-resistant alloy, titanium	820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SCMT09T304-TS	9.525	9.525	3.97	4.4	0.4													●												
	SCMT09T308-TS	9.525	9.525	3.97	4.4	0.8													●												
	SCMT120404-TS	12.7	12.7	4.76	5.56	0.4													●												
	SCMT120408-TS	12.7	12.7	4.76	5.56	0.8													●												
	SNMG120404-MA	12.7	12.7	4.76	5.16	0.4													●												
	SNMG120408-MA	12.7	12.7	4.76	5.16	0.8													●												
	SNMG120412-MA	12.7	12.7	4.76	5.16	1.2													●												
	SNMG120404-MA	12.7	12.7	4.76	5.16	0.4															●										
	SNMG120408-MA	12.7	12.7	4.76	5.16	0.8															●										
	SNMG120412-MA	12.7	12.7	4.76	5.16	1.2															●										
	SNMG120404-MA	12.7	12.7	4.76	5.16	0.4																●									
	SNMG120408-MA	12.7	12.7	4.76	5.16	0.8																●									
	SNMG120412-MA	12.7	12.7	4.76	5.16	1.2																●									
	SNMG120404-HA	12.7	12.7	4.76	5.16	0.4															●										
	SNMG120408-HA	12.7	12.7	4.76	5.16	0.8															●										
	SNMG120412-HA	12.7	12.7	4.76	5.16	1.2															●										
	SNMG120404-HA	12.7	12.7	4.76	5.16	0.4													●												
	SNMG120408-HA	12.7	12.7	4.76	5.16	0.8													●												
	SNMG120412-HA	12.7	12.7	4.76	5.16	1.2													●												

VC/VN□□(Positive/Negative angle)



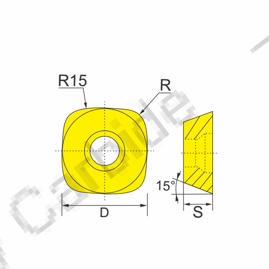
Workpiece Material:

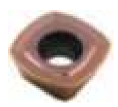
- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
F66	2.5-3μm	Bronze	Steel Stainless Steel
J66	2-4μm	Bronze	HRC55° Steel Steel Stainless
J69	2-4μm	Purple black	Steel Stainless Suitable for disconnected cutting

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	VCMT110302-MS	11	6.35	3.18	2.8	0.2															●										
	VCMT110304-MS	11	6.35	3.18	2.8	0.4															●										
	VCMT160404-MS	16.6	9.525	4.76	4.4	0.4															●										
	VCMT160408-MS	16.6	9.525	4.76	4.4	0.8															●										
	VNMG160404-V	16.6	9.525	4.76	3.81	0.4													●												
	VNMG160408-V	16.6	9.525	4.76	3.81	0.8													●												
	VNMG160412-V	16.6	9.525	4.76	3.81	1.2													●												
	VNMG160404-V	16.6	9.525	4.76	3.81	0.4														●											
	VNMG160408-V	16.6	9.525	4.76	3.81	0.8														●											
	VNMG160412-V	16.6	9.525	4.76	3.81	1.2														●											

Fast Feed Insert Series

	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	Workpiece Material	P Steel				
		M Stainless steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel Cast iron
		K Cast iron	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
		N Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
		S Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

Insert Shape	Model	Size(mm)			Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		ϕd	S	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SDMT120512-RD	12.7	5.56	1.2			●																						
	SDMT150512-RD	15.875	5.56	1.2			●																						
	SDMT120512-RD	12.7	5.56	1.2						●																			
	SDMT150512-RD	15.875	5.56	1.2						●																			
	SDMT120512-GM	12.7	5.56	1.2		●																							
	SDMT150512-GM	15.875	5.56	1.2		●																							
	SDMT120512-GM	12.7	5.56	1.2					●																				
	SDMT150512-GM	15.875	5.56	1.2					●																				

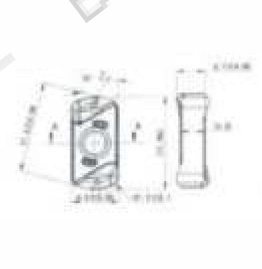
Cutter Body

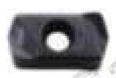
- ASRF12-50-22-4T
- ASRF12-63-22-4T
- ASRF12-63-22-5T
- ASRF15-63-22-5T
- ASRF15-80-27-5T
- ASRF15-100-32-5T

Toolholder

- ASRF12-C32-33-160L
- ASRF12-C32-35-200L
- ASRF12-C32-35-250L

SDMT12 Programming fillet R=4.0 Cutting allowance K=0.85
SDMT12 Programming fillet R=5.0 Cutting allowance K=1.85

	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	Workpiece Material	P Steel				
		M Stainless steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel Cast iron
		K Cast iron	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
		N Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
		S Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	LNMG0303R-LG	11.96	6.0	3.2	1.2			●																						
	LNMG0303R-LG	11.96	6.0	3.2	1.2		●																							
	LNMG0303R-LG	11.96	6.0	3.2	1.2					●																				
	LNMG0303R-LG	11.96	6.0	3.2	1.2						●																			

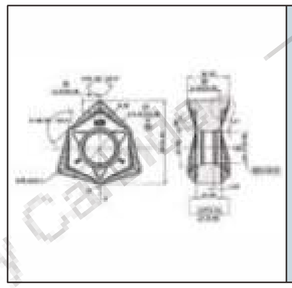
Cutter Body

- ASRF12-50-22-4T
- ASRF12-63-22-4T
- ASRF12-63-22-5T

Toolholder

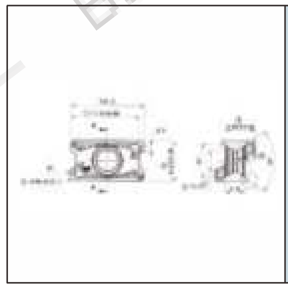
- EXN03-C16-16-150L-2T
- EXN03-C16-17-150L-2T
- EXN03-C20-20-150L-3T
- EXN03-C20-21-150L-3T
- EXN03-C25-25-150L-4T
- EXN03-C25-26-150L-4T
- EXN03-C32-32-150L-5T
- EXN03-C32-32-200L-5T
- EXN03-C32-33-150L-5T
- EXN03-C32-33-200L-5T
- EXN03-C32-35-150L-5T
- EXN03-C32-35-200L-5T

Fast Feed Insert Series

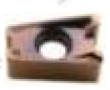


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel Cast iron
M Stainless steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
K Cast iron	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
N Aluminum, copper	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMU080608EN-GM	16.67	2.47	4.95	0.8			●																						
	WNMU080608EN-GM	16.67	2.47	4.95	0.8		●																							
	WNMU080608EN-GM	16.67	2.47	4.95	0.8					●																				
		16.67	2.47	4.95	0.8						●																			
	WNMU080608EN-GM																													



Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
M Stainless steel	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
K Cast iron	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting
N Aluminum, copper	J68	2-4μm	Gray	Oil pipeline(X70、X80、X100) etc.
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	LNMU110408SRGE	11.3	6.6	3.15	0.8			●																						
	LNMU110408SRGE	11.3	6.6	3.15	0.8		●																							
	LNMU110408SRGE	11.3	6.6	3.15	0.8					●																				
	LNMU110408SRGE	11.3	6.6	3.15	0.8						●																			

Cutter Body

- WFWN08R-50-22-4T
- WFWN08R-63-22-4T
- WFWN08R-63-22-5T-M
- WFWN08R-80-27-5T
- WFWN08R-80-27-7T-M
- WFWN08R-100-32-7T
- WFWN08R-100-32-9T-M
- WFWN08R-125-40-8T
- WFWN08R-125-40-12T-M
- WFWN08R-160-40-10T
- WFWN08R-160-40-14T-M
- WFWN08R-200-40-12T
- WFWN08R-200-40-6T-M
- WFWN08R-200-40-6T-M

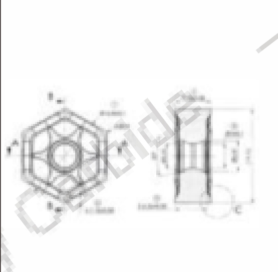
Cutter Body

- 50-22-5T
- 63-22-6T
- 80-27-8T

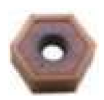
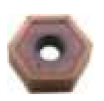
Toolholder

- 16-C16-160L-2T
- 17-C16-160L-2T
- 20-C20-160L-3T
- 21-C20-160L-3T
- 25-C25-160L-4T
- 26-C25-160L-4T
- 35-C32-160L-5T

Fast Feed Insert Series

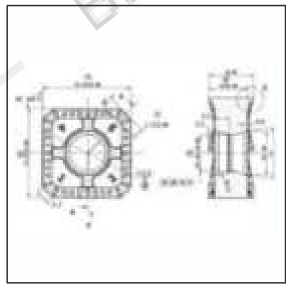


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel				
M Stainless steel	V99	2-3μm	Black	HRC45°Steel Stainless Steel Cast iron
K Cast iron	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
N Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
S Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	HNMG090608R	19.15	1.18	6.36	0.8			●																						
	HNMG090608R	19.15	1.18	6.36	0.8		●																							
	HNMG090608R	19.15	1.18	6.36	0.8					●																				
	HNMG090608R	19.15	1.18	6.36	0.8						●																			

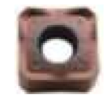
Cutter Body

- 50-22R-4T
- 63-22R-5T
- 63-22R-6T
- 80-27R-6T
- 80-27R-8T
- 100-32R-6T
- 100-32R-8T
- 125-40R-6T
- 125-40R-10T
- 160-40R-8T
- 160-40R-12T
- 200-60R-10T
- 200-60R-14T



Workpiece Material
P Steel
M Stainless steel
K Cast iron
N Aluminum, copper
S Heat-resistant alloy, titanium

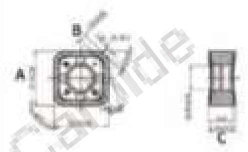
Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
J66	2-4μm	Bronze	HRC55° Steel Steel Stainless
5555	13-18μm	Bi-color	Mild steel HRC55°material

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SNMX1306ANEN-M	13.5	1.7	6.8	–			●																						
	SNMX1306ANEN-M	13.5	1.7	6.8	–					●																				
	SNMX1306ANEN-M	13.5	1.7	6.8	–								●																	

Cutter Body

- 50-22R-4T
- 50-22R-6T
- 63-22R-6T
- 63-22R-8T
- 80-27R-7T
- 80-27R-10T
- 100-32R-8T
- 100-32R-12T
- 125-40R-10T
- 125-40R-16T
- 160-40R-12T
- 160-40R-20T
- 200-60R-18T
- 250-60R-20T

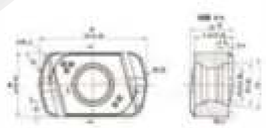
Fast Feed Insert Series

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
		J66	2-4μm	Bronze	HRC55° Steel Steel Stainless
		5555	13-18μm	Bi-color	Mild steel HRC55°material

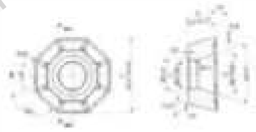
Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SNMU1206XTN	12.7	1.52	6.35	–			●																						
	SNMU1206XTN	12.7	1.52	6.35	–					●																				
	SNMU1206XTN	12.7	1.52	6.35	–								●																	

Cutter Body

- 50-22R-4T
- 50-22R-6T
- 63-22R-6T
- 63-22R-8T
- 80-27R-7T
- 80-27R-10T
- 100-32R-8T
- 100-32R-12T
- 125-40R-10T
- 125-40R-16T
- 160-40R-12T
- 160-40R-20T
- 200-60R-18T
- 250-60R-20T

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
		V1	2-3μm	Blue purple	HRC55° Steel Steel Stainless
		J66	2-4μm	Bronze	HRC55° Steel Steel Stainless

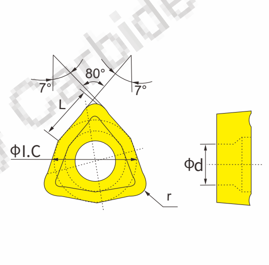
Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	ENMU100412	10	6	4	1.2			●																						
	ENMU100412	10	6	4	1.2					●																				
	ENMU100412	10	6	4	1.2				●																					

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	J66	2-4μm	Bronze	HRC55° Steel Steel Stainless

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		A	B	C	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	Rd3255
	ODMT040408	12.7	4.62	4.76	0.8					●																				

Fast Drilling Insert Series

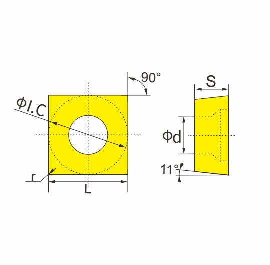
WC□□(Positive angle)



Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel				
M	Stainless steel	G1	2-5μm	Bronze	HRC50°Die steel Ace Steel 45# Steel 718 P20
K	Cast iron	V1	2-3μm	Blue purple	HRC55°Steel Steel Stainless
N	Aluminum, copper	J66	2-4μm	Bronze	HRC55°Steel Steel Stainless
S	Heat-resistant alloy, titanium	Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

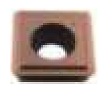
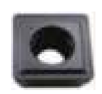
Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Pin Drilling Range	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	WCMX030208-FN	3.8	5.56	2.38	2.8	0.8	16.0-19.5			●																						
	WCMX040208-FN	4.3	6.35	2.38	3.1	0.8	20.0-24.5			●																						
	WCMX050308-FN	5.4	7.94	3.18	3.2	0.8	25.0-41.0			●																						
	WCMT06T308-FN	6.5	9.525	3.97	3.7	0.8	32.0-41.0			●																						
	WCMT080412-FN	8.7	12.7	4.76	4.3	1.2	42.0-60.0			●																						
	WCMX030208	3.8	5.56	2.38	2.8	0.8	16.0-19.5					●																				
	WCMX040208	4.3	6.35	2.38	3.1	0.8	20.0-24.5					●																				
	WCMX050308	5.4	7.94	3.18	3.2	0.8	25.0-41.0					●																				
	WCMT06T308	6.5	9.525	3.97	3.7	0.8	32.0-41.0					●																				
	WCMT080412	8.7	12.7	4.76	4.3	1.2	42.0-60.0					●																				
	WCMX030208	3.8	5.56	2.38	2.8	0.8	16.0-19.5				●																					
	WCMX040208	4.3	6.35	2.38	3.1	0.8	20.0-24.5				●																					
	WCMX050308	5.4	7.94	3.18	3.2	0.8	25.0-41.0				●																					
	WCMT06T308	6.5	9.525	3.97	3.7	0.8	32.0-41.0				●																					
	WCMT080412	8.7	12.7	4.76	4.3	1.2	42.0-60.0				●																					
	WCMX030208	3.8	5.56	2.38	2.8	0.8	16.0-19.5						●																			
	WCMX040208	4.3	6.35	2.38	3.1	0.8	20.0-24.5						●																			
	WCMX050308	5.4	7.94	3.18	3.2	0.8	25.0-41.0						●																			
	WCMT06T308	6.5	9.525	3.97	3.7	0.8	32.0-41.0						●																			
	WCMT080412	8.7	12.7	4.76	4.3	1.2	42.0-60.0						●																			

SP□□(Positive angle)



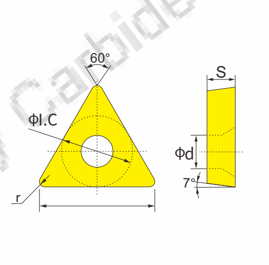
Workpiece Material	
P	Steel
M	Stainless steel
K	Cast iron
N	Aluminum, copper
S	Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
V99	2-3μm	Black	HRC45°Steel Stainless Steel Cast iron
J66	2-4μm	Bronze	HRC55° Steel Steel Stainless
Z5255	8-10μm	Black	Nodular Cast Iron Grey Cast Iron Steel Casting

Insert Shape	Model	Size(mm) L	ΦI.C	S	Φd	r	Pin Drilling Range	Coated Carbide EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	Stainless steel RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	Steel RD5215	RD5215H	RD5555	YT14	Cast iron RD5255	YG8	Ceramics RD6255	RDT6255	Al RD3255
	SPMT050204-DG	5	5	2.38	2.25	0.4	12.5-15.0					●																				
	SPMT060204-DG	6	6	2.38	2.61	0.4	15.5-21.5					●																				
	SPMT07T308-DG	7	7	3.97	2.85	0.8	22.0-27.5					●																				
	SPMT090408-DG	9	9	4.3	4.05	0.8	28.0-33.0					●																				
	SPMT110408-DG	11	11	4.8	4.45	0.8	34.0-41.0					●																				
	SPMT140512-DG	14	14	5.2	5.75	1.2	42.0-50.0					●																				
	SPMT050204-DG	5	5	2.38	2.25	0.4	12.5-15.0		●																							
	SPMT060204-DG	6	6	2.38	2.61	0.4	15.5-21.5		●																							
	SPMT07T308-DG	7	7	3.97	2.85	0.8	22.0-27.5		●																							
	SPMT090408-DG	9	9	4.3	4.05	0.8	28.0-33.0		●																							
	SPMT110408-DG	11	11	4.8	4.45	0.8	34.0-41.0		●																							
	SPMT140512-DG	14	14	5.2	5.75	1.2	42.0-50.0		●																							
	SPMT050204-DG	5	5	2.38	2.25	0.4	12.5-15.0						●																			
	SPMT060204-DG	6	6	2.38	2.61	0.4	15.5-21.5						●																			
	SPMT07T308-DG	7	7	3.97	2.85	0.8	22.0-27.5						●																			
	SPMT090408-DG	9	9	4.3	4.05	0.8	28.0-33.0						●																			
	SPMT110408-DG	11	11	4.8	4.45	0.8	34.0-41.0						●																			
	SPMT140512-DG	14	14	5.2	5.75	1.2	42.0-50.0						●																			

Steel Insert Series

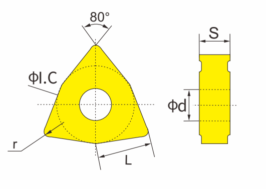
TC/TN□□(Positive/Negative angle)



Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	5215H	13-18um	Black	Steel
M Stainless steel				
K Cast iron				
N Aluminum, copper				
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TCMT090204-HQ	9.6	5.56	2.38	2.5	0.4																			●						
	TCMT110304-HQ	11	6.35	2.38	2.8	0.4																			●						
	TCMT110308-HQ	11	6.35	2.38	2.8	0.8																			●						
	TCMT16T304-HQ	16.5	9.525	3.97	4.4	0.4																			●						
	TCMT16T308-HQ	16.5	9.525	3.97	4.4	0.8																			●						
	TCMT090204-HM	9.6	5.56	2.38	2.5	0.4																		●							
	TCMT110204-HM	11	6.35	2.38	2.8	0.4																		●							
	TCMT110208-HM	11	6.35	2.38	2.8	0.8																		●							
	TCMT16T304-HM	16.5	9.525	3.97	4.4	0.4																		●							
	TCMT16T308-HM	16.5	9.525	3.97	4.4	0.8																		●							
	TNMG160404R-GC	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408R-GC	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412R-GC	16.5	9.525	4.76	3.81	1.2																			●						
	TNMG160404L-GC	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408L-GC	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412L-GC	16.5	9.525	4.76	3.81	1.2																			●						
	TNMG160404-PF	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408-PF	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412-PF	16.5	9.525	4.76	3.81	1.2																			●						

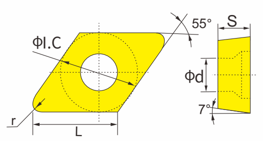
WN□□(Negative angle)



Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	5215H	13-18um	Black	Steel
M Stainless steel				
K Cast iron				
N Aluminum, copper				
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-PF	8.7	12.7	4.76	5.16	0.4																		●							
	WNMG080408-PF	8.7	12.7	4.76	5.16	0.8																		●							
	WNMG080412-PF	8.7	12.7	4.76	5.16	1.2																		●							
	WNMG080404R-GC	8.7	12.7	4.76	5.16	0.4																		●							
	WNMG080408R-GC	8.7	12.7	4.76	5.16	0.8																		●							
	WNMG080404L-GC	8.7	12.7	4.76	5.16	0.4																		●							
	WNMG080408L-GC	8.7	12.7	4.76	5.16	0.8																		●							

DC/DN□□(Positive/Negative angle)

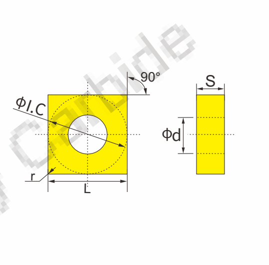


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	5215H	13-18um	Black	Steel
M Stainless steel				
K Cast iron				
N Aluminum, copper				
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	DCMT070204-HM	7.8	6.35	2.38	2.8	0.4																		●							
	DCMT070208-HM	7.8	6.35	2.38	2.8	0.8																		●							
	DCMT11T304-HQ	11.6	9.525	3.97	4.4	0.4																		●							
	DCMT11T308-HQ	11.6	9.525	3.97	4.4	0.8																		●							
	DNMG150604-PM	15.5	12.7	6.35	5.16	0.4																		●							
	DNMG150608-PM	15.5	12.7	6.35	5.16	0.8																		●							
	DNMG150612-PM	15.5	12.7	6.35	5.16	1.2																		●							

Steel Insert Series

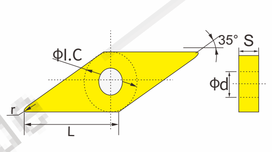
SC□□(Positive angle)



	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5215H	13-18um	Black	Steel
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel			Cast iron			Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SCMT09T304-HQ	9.525	9.525	4.76	5.16	0.4																		●							
	SCMT09T304-HQ	9.525	9.525	4.76	5.16	0.8																		●							
	SCMT120404-HM	12.7	12.7	4.76	5.16	0.4																		●							
	SCMT120408-HM	12.7	12.7	4.76	5.16	0.8																		●							
	SCMT120412-HM	12.7	12.7	4.76	5.16	1.2																		●							
	SCMT120404-PF	12.7	12.7	4.76	5.16	0.4																		●							
	SCMT120408-PF	12.7	12.7	4.76	5.16	0.8																		●							
	SCMT120412-PF	12.7	12.7	4.76	5.16	1.2																		●							

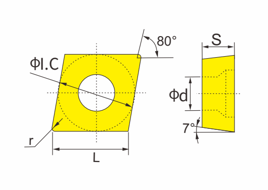
VC/VN□□(Positive/Negative angle)



	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5215H	13-18um	Black	Steel
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel			Cast iron			Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	VCMT110304	11	6.35	3.18	2.8	0.4																		●							
	VCMT160404	16.6	9.525	4.76	4.4	0.4																		●							
	VCMT160408	16.6	9.525	4.76	4.4	0.8																		●							
	VNMG160404-PF	16.6	9.525	4.76	3.81	0.4																		●							
	VNMG160408-PF	16.6	9.525	4.76	3.81	0.8																		●							
	VNMG160412-PF	16.6	9.525	4.76	3.81	1.2																		●							

CC/CN□□(Positive/Negative angle)



	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5215H	13-18um	Black	Steel
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel			Cast iron			Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	CCMT060204-HQ	6.4	6.35	2.38	2.8	0.4																		●							
	CCMT060208-HQ	6.4	6.35	2.38	2.8	0.8																		●							
	CCMT09T304-HQ	9.7	9.525	3.97	4.4	0.4																		●							
	CCMT09T308-HQ	9.7	9.525	3.97	4.4	0.8																		●							
	CCMT060204-HM	6.4	6.35	2.38	2.8	0.4																		●							
	CCMT060208-HM	6.4	6.35	2.38	2.8	0.8																		●							
	CCMT09T304-HM	9.7	9.525	3.97	4.4	0.4																		●							
	CCMT09T308-HM	9.7	9.525	3.97	4.4	0.8																		●							
	CCMT120404-HM	12.9	12.7	4.76	5.56	0.4																		●							
	CCMT120408-HM	12.9	12.7	4.76	5.56	0.8																		●							
	CNMG120404-PF	12.9	12.7	4.76	5.16	0.4																		●							
	CNMG120408-PF	12.9	12.7	4.76	5.16	0.8																		●							
	CNMG120412-PF	12.9	12.7	4.76	5.16	1.2																		●							

Steel Bi-color Insert Series

	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	Workpiece Material	P Steel	5555	13-18um	Bi-color	Mild Steel HRC45°material
		M Stainless steel				
		K Cast iron				
		N Aluminum, copper				
		S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-PM	8.7	12.7	4.76	5.16	0.4																			●						
	WNMG080404-PM	8.7	12.7	4.76	5.16	0.8																			●						
	TNMG160404-PM	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408-PM	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG220404-PM	22	12.7	4.76	5.16	0.4																			●						
	TNMG220404-PM	22	12.7	4.76	5.16	0.8																			●						
	CNMG120404-PM	12.9	12.7	4.76	5.16	0.4																			●						
	CNMG120408-PM	12.9	12.7	4.76	5.16	0.8																			●						
	CNMG160612-PM	16.1	15.87	6.35	6.35	1.2																			●						
	CNMG190608-PM	19.3	19.05	6.35	7.94	0.8																			●						
	VNMG160404-PM	16.6	9.525	4.76	3.81	0.4																			●						
	VNMG160408-PM	16.6	9.525	4.76	3.81	0.8																			●						
	DNMG150604-PM	15.5	12.7	6.35	5.16	0.4																			●						
	DNMG150608-PM	15.5	12.7	6.35	5.16	0.8																			●						
	DNMG150612-PM	15.5	12.7	6.35	5.16	1.2																			●						

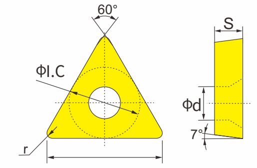
	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	Workpiece Material	P Steel	5555	13-18um	Bi-color	Mild Steel HRC45°material
		M Stainless steel				
		K Cast iron				
		N Aluminum, copper				
		S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4																			●						
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8																			●						
	WNMG080412-TM	8.7	12.7	4.76	5.16	1.2																			●						
	TNMG160404-TM	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408-TM	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412-TM	16.5	9.525	4.76	3.81	1.2																			●						
	CNMG120404-TM	12.9	12.7	4.76	5.16	0.4																			●						
	CNMG120408-TM	12.9	12.7	4.76	5.16	0.8																			●						
	CNMG120412-TM	12.9	12.7	4.76	5.16	1.2																			●						
	VNMG160404-TM	16.6	9.525	4.76	3.81	0.4																			●						
	VNMG160408-TM	16.6	9.525	4.76	3.81	0.8																			●						

Steel Bi-color Insert Series

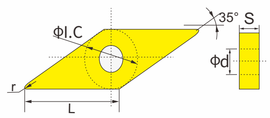
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5555	13-18um	Bi-color	Mild Steel HRC45°material
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4																			●						
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8																			●						
	WNMG080412-TM	8.7	12.7	4.76	5.16	1.2																			●						
	TNMG160404-TM	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408-TM	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412-TM	16.5	9.525	4.76	3.81	1.2																			●						
	CNMG120404-TM	12.9	12.7	4.76	5.16	0.4																			●						
	CNMG120408-TM	12.9	12.7	4.76	5.16	0.8																			●						
	CNMG120412-TM	12.9	12.7	4.76	5.16	1.2																			●						
	VNMG160404-TM	16.6	9.525	4.76	3.81	0.4																			●						
	VNMG160408-TM	16.6	9.525	4.76	3.81	0.8																			●						



Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5255	13-18um	Bi-color	Mild Steel HRC45°material
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TNMA160404	16.5	9.525	4.76	3.81	0.4																			●						
	TNMA160408	16.5	9.525	4.76	3.81	0.8																			●						
	TNMA160412	16.5	9.525	4.76	3.81	1.2																			●						
	TNMG160404	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412	16.5	9.525	4.76	3.81	1.2																			●						
	TNMG160404-KM	16.5	9.525	4.76	3.81	0.4																			●						
	TNMG160408-KM	16.5	9.525	4.76	3.81	0.8																			●						
	TNMG160412-KM	16.5	9.525	4.76	3.81	1.2																			●						

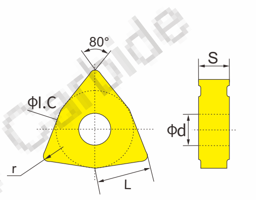


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	5255	13-18um	Bi-color	Mild Steel HRC45°material
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	VNMG160404	16.6	9.525	4.76	3.81	0.4																					●				
	VNMG160408	16.6	9.525	4.76	3.81	0.8																					●				
	VNMG160412	16.6	9.525	4.76	3.81	1.2																					●				

Cast Insert Series

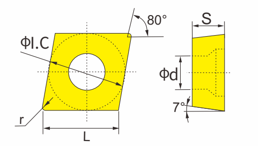
WN□□(Negative angle)



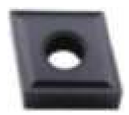
Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	5255	13-18um	Black	Nodular cast iron Grey cast iron
M Stainless steel				
K Cast iron				
N Aluminum, copper				
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMA080404	8.7	12.7	4.76	5.16	0.4																					●				
	WNMA080408	8.7	12.7	4.76	5.16	0.8																					●				
	WNMA080412	8.7	12.7	4.76	5.16	1.2																					●				
	WNMG080404	8.7	12.7	4.76	5.16	0.4																					●				
	WNMG080408	8.7	12.7	4.76	5.16	0.8																					●				
	WNMG080412	8.7	12.7	4.76	5.16	1.2																					●				
	WNMG080404-KM	8.7	12.7	4.76	5.16	0.4																					●				
	WNMG080408-KM	8.7	12.7	4.76	5.16	0.8																					●				
	WNMG080412-KM	8.7	12.7	4.76	5.16	1.2																					●				

CC/CN□□(Positive/Negative angle)

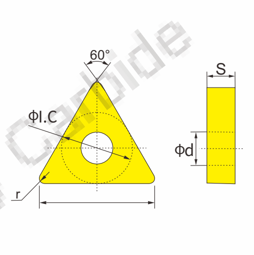


Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P Steel	5255	13-18um	Black	Nodular cast iron Grey cast iron
M Stainless steel				
K Cast iron				
N Aluminum, copper				
S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	CNMA120404	12.9	12.7	4.76	5.16	0.4																					●				
	CNMA120408	12.9	12.7	4.76	5.16	0.8																					●				
	CNMA120412	12.9	12.7	4.76	5.16	1.2																					●				
	CNMG120404	12.9	12.7	4.76	5.16	0.4																					●				
	CNMG120408	12.9	12.7	4.76	5.16	0.8																					●				
	CNMG120412	12.9	12.7	4.76	5.16	1.2																					●				
	CNMG120404-KM	12.9	12.7	4.76	5.16	0.4																					●				
	CNMG120408-KM	12.9	12.7	4.76	5.16	0.8																					●				
	CNMG120412-KM	12.9	12.7	4.76	5.16	1.2																					●				

Ceramic Insert Series

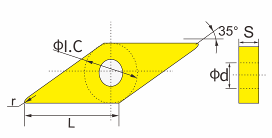
TN□□(Negative angle)



Workpiece Material	Coating Grade	Introduction to the use of ceramic insert	Recommended processing materials
P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	6255	1: Good red hardness and wear resistance, long service life, reduce production costs; 2: Excellent oxidation resistance, achieve high-speed processing, and improve production effciency ; 3: Realize the mirror effect of the processed workpiece, and the workpiece with high precision and high finish.	Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TNGG160402R-S	16.5	9.525	4.76	3.81	0.2																							●		
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																							●		
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402-MT	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404-MT	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404-MT	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402-FG	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404-FG	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404-FG	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402R-C	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404R-C	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404R-C	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402R-VF	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404R-VF	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404R-VF	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402L-FS	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404L-FS	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404L-FS	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160402R-FS	16.5	9.525	4.76	3.81	0.2																							●		
	TNMG160404R-FS	16.5	9.525	4.76	3.81	0.4																							●		
	TNMG160404R-FS	16.5	9.525	4.76	3.81	0.4																							●		
	TNGG160402R-S	16.5	9.525	4.76	3.81	0.2																								●	
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																								●	
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																								●	
	TNGG160402R-S	16.5	9.525	4.76	3.81	0.2																								●	
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																								●	
	TNGG160404R-S	16.5	9.525	4.76	3.81	0.4																								●	

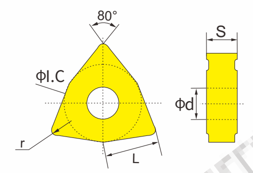
VN□□(Negative angle)



Workpiece Material	Coating Grade	Coating Thickness	Recommended processing materials
P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	6255	1: Good red hardness and wear resistance, long service life, reduce production costs; 2: Excellent oxidation resistance, achieve high-speed processing, and improve production effciency ; 3: Realize the mirror effect of the processed workpiece, and the workpiece with high precision and high finish.	Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	VNMG160402-MT	16.6	9.525	4.76	3.81	0.2																							●		
	VNMG160404-MT	16.6	9.525	4.76	3.81	0.4																							●		
	VNMG160408-MT	16.6	9.525	4.76	3.81	0.8																							●		
	VNMG160402-MT	16.6	9.525	4.76	3.81	0.2																							●		
	VNMG160404-MT	16.6	9.525	4.76	3.81	0.4																							●		
	VNMG160408-MT	16.6	9.525	4.76	3.81	0.8																							●		
	VNMG160402-FG	16.6	9.525	4.76	3.81	0.2																							●		
	VNMG160404-FG	16.6	9.525	4.76	3.81	0.4																							●		
	VNMG160408-FG	16.6	9.525	4.76	3.81	0.8																							●		

WN□□(Negative angle)

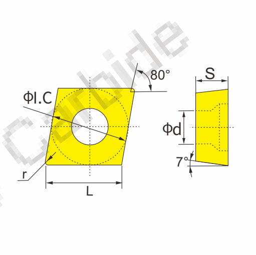


Workpiece Material	Coating Grade	Coating Thickness	Recommended processing materials
P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	6255	1: Good red hardness and wear resistance, long service life, reduce production costs; 2: Excellent oxidation resistance, achieve high-speed processing, and improve production effciency ; 3: Realize the mirror effect of the processed workpiece, and the workpiece with high precision and high finish.	Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-KM	8.7	12.7	4.76	5.16	0.2																							●		
	WNMG080408-KM	8.7	12.7	4.76	5.16	0.4																							●		
	WNMG080412-KM	8.7	12.7	4.76	5.16	0.8																							●		

Ceramic Insert Series

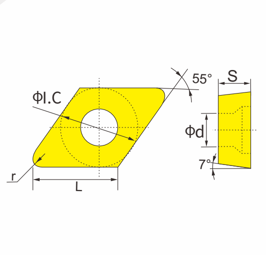
CC/CN□□(Positive/Negative angle)



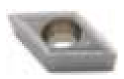
Workpiece Material	Coating Grade	Introduction to the use of ceramic insert	Recommended processing materials
P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	6255	1: Good red hardness and wear resistance, long service life, reduce production costs; 2: Excellent oxidation resistance, achieve high-speed processing, and improve production effciency ; 3: Realize the mirror effect of the processed workpiece, and the workpiece with high precision and high finish.	Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		AI
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	CCMT060202-MT	6.4	6.35	2.38	2.8	0.2																							●		
	CCMT060204-MT	6.4	6.35	2.38	2.8	0.4																							●		
	CCMT060208-MT	6.4	6.35	2.38	2.8	0.8																							●		
	CCMT060202-FG	6.4	6.35	2.38	2.8	0.2																							●		
	CCMT060204-FG	6.4	6.35	2.38	2.8	0.4																							●		
	CCMT060208-FG	6.4	6.35	2.38	2.8	0.8																							●		
	CCMT09T302-MT	9.7	9.525	3.97	4.4	0.2																							●		
	CCMT09T304-MT	9.7	9.525	3.97	4.4	0.4																							●		
	CCMT09T308-MT	9.7	9.525	3.97	4.4	0.8																							●		
	CCMT09T302-FG	9.7	9.525	3.97	4.4	0.2																							●		
	CCMT09T304-FG	9.7	9.525	3.97	4.4	0.4																							●		
	CCMT09T308-FG	9.7	9.525	3.97	4.4	0.8																							●		
	CNMG120402-MT	12.9	12.7	4.76	5.16	0.2																							●		
	CNMG120402-MT	12.9	12.7	4.76	5.16	0.4																							●		
	CNMG120402-MT	12.9	12.7	4.76	5.16	0.8																							●		
	CNMG120402-FG	12.9	12.7	4.76	5.16	0.2																							●		
	CNMG120402-FG	12.9	12.7	4.76	5.16	0.4																							●		
	CNMG120402-FG	12.9	12.7	4.76	5.16	0.8																							●		

DC/DN□□(Positive/Negative angle)

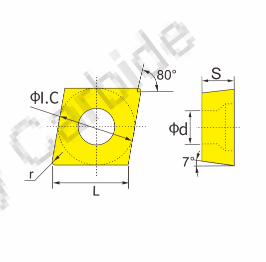


Workpiece Material	Coating Grade	Coating Thickness	Recommended processing materials
P Steel M Stainless steel K Cast iron N Aluminum, copper S Heat-resistant alloy, titanium	6255	1: Good red hardness and wear resistance, long service life, reduce production costs; 2: Excellent oxidation resistance, achieve high-speed processing, and improve production effciency ; 3: Realize the mirror effect of the processed workpiece, and the workpiece with high precision and high finish.	Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		AI
		L	φI.C	S	φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	DCMT070202-FG	7.8	6.35	2.38	2.8	0.2																							●		
	DCMT070204-FG	7.8	6.35	2.38	2.8	0.4																							●		
	DCMT070208-FG	7.8	6.35	2.38	2.8	0.8																							●		
	DCMT11T302-MT	11.6	9.525	3.97	4.4	0.2																							●		
	DCMT11T304-MT	11.6	9.525	3.97	4.4	0.4																							●		
	DCMT11T308-MT	11.6	9.525	3.97	4.4	0.8																							●		
	DCMT11T302--FG	11.6	9.525	3.97	4.4	0.2																							●		
	DCMT11T304--FG	11.6	9.525	3.97	4.4	0.4																							●		
	DCMT11T308--FG	11.6	9.525	3.97	4.4	0.8																							●		
	DNMG150402-MT	15.5	12.7	4.76	5.16	0.2																							●		
	DNMG150404-MT	15.5	12.7	4.76	5.16	0.4																							●		
	DNMG150408-MT	15.5	12.7	4.76	5.16	0.8																							●		

Aluminum Insert Series

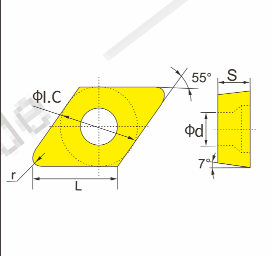
CC/CN□□(Positive/Negative angle)



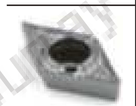
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	CCGT060202-LH	6.4	6.35	2.38	2.8	0.2																									●
	CCGT060204-LH	6.4	6.35	2.38	2.8	0.4																									●
	CCGT060208-LH	6.4	6.35	2.38	2.8	0.8																									●
	CCGT09T302-LH	9.7	9.525	3.97	4.4	0.2																									●
	CCGT09T304-LH	9.7	9.525	3.97	4.4	0.4																									●
	CCGT09T308-LH	9.7	9.525	3.97	4.4	0.8																									●
	CCGT120402-LH	12.9	12.7	4.76	5.56	0.2																									●
	CCGT120404-LH	12.9	12.7	4.76	5.56	0.4																									●
	CCGT120408-LH	12.9	12.7	4.76	5.56	0.8																									●
	CNMG120404-LH	12.9	12.7	4.76	12.9	0.4																									●
	CNMG120408-LH	12.9	12.7	4.76	12.9	0.8																									●
	CNMG120412-LH	12.9	12.7	4.76	12.9	1.2																									●

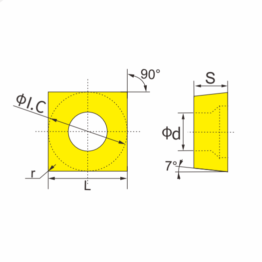
DC□□(Positive angle)



Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	DCGT070202-LH	7.8	6.35	2.38	2.8	0.2																									●
	DCGT070204-LH	7.8	6.35	2.38	2.8	0.4																									●
	DCGT070208-LH	7.8	6.35	2.38	2.8	0.8																									●
	DCGT11T302-LH	11.6	9.525	3.97	4.4	0.2																									●
	DCGT11T304-LH	11.6	9.525	3.97	4.4	0.4																									●
	DCGT11T308-LH	11.6	9.525	3.97	4.4	0.8																									●

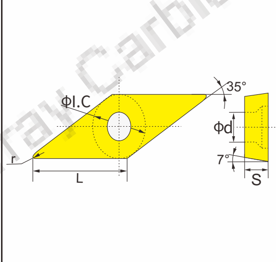
SC□□(Positive angle)



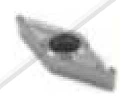
Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SCGT09T302-LH	9.525	9.525	3.97	4.4	0.2																									●
	SCGT09T304-LH	9.525	9.525	3.97	4.4	0.4																									●
	SCGT09T308-LH	9.525	9.525	3.97	4.4	0.8																									●
	SCGT120402-LH	12.7	12.7	4.76	5.56	0.2																									●
	SCGT120404-LH	12.7	12.7	4.76	5.56	0.4																									●
	SCGT120408-LH	12.7	12.7	4.76	5.56	0.8																									●

VC□□(Negative angle)

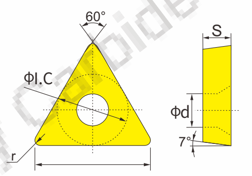


Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
P	Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
M	Stainless steel				
K	Cast iron				
N	Aluminum, copper				
S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	VCGT110302-LH	11	6.35	2.38	2.8	0.2																									●
	VCGT110304-LH	11	6.35	2.38	2.8	0.4																									●
	VCGT110308-LH	11	6.35	2.38	2.8	0.8																									●
	VCGT160402-LH	16.5	9.525	4.76	4.4	0.2																									●
	VCGT160404-LH	16.5	9.525	4.76	4.4	0.4																									●
	VCGT160408-LH	16.5	9.525	4.76	4.4	0.8																									●

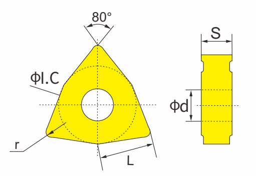
Aluminum Insert Series

TC/TN□□(Positive/Negative angle)

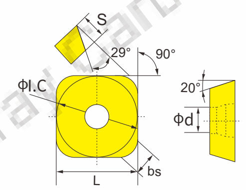
Drawing	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
	M Stainless steel				
	K Cast iron				
	N Aluminum, copper				
	S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TCGT090202-LH	9.6	9.525	2.38	2.5	0.2																									●
	TCGT090204-LH	9.6	9.525	2.38	2.5	0.4																									●
	TCGT090208-LH	9.6	9.525	2.38	2.5	0.8																									●
	TCGT110202-LH	11	6.35	2.38	2.8	0.2																									●
	TCGT110204-LH	11	6.35	2.38	2.8	0.4																									●
	TCGT110208-LH	11	6.35	2.38	2.8	0.8																									●
	TCGT110302-LH	11	6.35	3.18	2.8	0.2																									●
	TCGT110304-LH	11	6.35	3.18	2.8	0.4																									●
	TCGT110308-LH	11	6.35	3.18	2.8	0.8																									●
	TCGT16T302-LH	16.5	9.525	4.76	4.4	0.2																									●
	TCGT16T304-LH	16.5	9.525	4.76	4.4	0.4																									●
	TCGT16T308-LH	16.5	9.525	4.76	4.4	0.8																									●
	TNMG160404-LH	16.5	9.525	4.76	3.81	0.4																									●
	TNMG160408-LH	16.5	9.525	4.76	3.81	0.8																									●
	TNMG160412-LH	16.5	9.525	4.76	3.81	1.2																									●

WN□□(Negative angle)

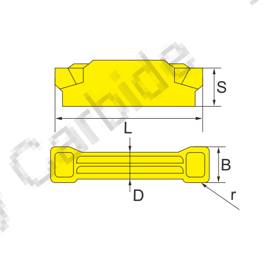
Drawing	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
	M Stainless steel				
	K Cast iron				
	N Aluminum, copper				
	S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	WNMG080404-LH	8.7	12.7	4.76	5.16	0.2																									●
	WNMG080408-LH	8.7	12.7	4.76	5.16	0.4																									●
	WNMG080412-LH	8.7	12.7	4.76	5.16	0.8																									●

Drawing	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel	RD3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special
	M Stainless steel				
	K Cast iron				
	N Aluminum, copper				
	S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L	ΦI.C	S	Φd	r	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	SEHT1204AFFN	12.7	12.7	4.76	5.5	–																									●
																															●
																															●

Cutting Insert Series

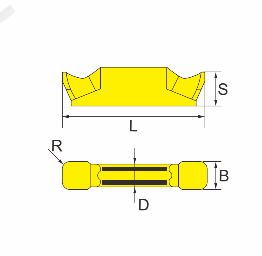


Workpiece Material

- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
5235	1-4μm	Fuchsia	HRC55°Steel Stainless Steel
5235-88	2-5μm	Fuchsia	Steel Stainless Titanium alloy Superalloy
5235-V1	2-3μm	Violet	HRC55°Steel Stainless Steel
820J	1.3-3.1μm	Yellow	Steel Stainless Superalloy Titanium alloy
Rd3255	None	None	Fully ground peripheral, high-gloss polished copper, aluminum, wood special

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		W	r	L	h	k	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	MGMN200-GC	2	0.2	16	1.6	3.5									●																
	MGMN250-GC	2.5	0.2	18.5	2	3.85									●																
	MGMN300-GC	3	0.4	21	2.35	4.8									●																
	MGMN400-GC	4	0.4	21	3.3	4.8									●																
	MGMN500-GC	5	0.8	26	4.1	5.8									●																
	MGMN150-G	1.5	0.15	16	1.2	3.5										●															
	MGMN200-G	2	0.2	16	1.6	3.5										●															
	MGMN250-M	2.5	0.2	18.5	2	3.85										●															
	MGMN300-M	3	0.4	21	2.35	4.8										●															
	MGMN400-M	4	0.4	21	3.3	4.8										●															
	MGMN500-M	5	0.8	26	4.1	5.8										●															
	MGMN150-G	1.5	0.15	16	1.2	3.5											●														
	MGMN200-G	2	0.2	16	1.6	3.5											●														
	MGMN250-M	2.5	0.2	18.5	2	3.85											●														
	MGMN300-M	3	0.4	21	2.35	4.8											●														
	MGMN400-M	4	0.4	21	3.3	4.8											●														
	MGMN500-M	5	0.8	26	4.1	5.8											●														
	MGMN150-G	1.5	0.15	16	1.2	3.5																		●							
	MGMN200-G	2	0.2	16	1.6	3.5																		●							
	MGMN250-M	2.5	0.2	18.5	2	3.85																		●							
	MGMN300-M	3	0.4	21	2.35	4.8																		●							
	MGMN400-M	4	0.4	21	3.3	4.8																		●							
	MGMN500-M	5	0.8	26	4.1	5.8																		●							
	MGMN150-G	1.5	0.15	16	1.2	3.5																									●
	MGMN200-G	2	0.2	16	1.6	3.5																									●
	MGMN250-M	2.5	0.2	18.5	2	3.85																									●
	MGMN300-M	3	0.4	21	2.35	4.8																									●
	MGMN400-M	4	0.4	21	3.3	4.8																									●
	MGMN500-M	5	0.8	26	4.1	5.8																									●

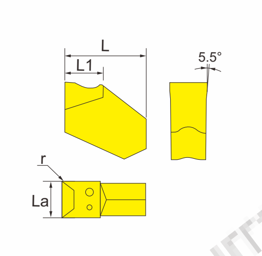


Workpiece Material

- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
5235	1-4μm	Fuchsia	HRC55°Steel Stainless Steel

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		W	r	L	h	k	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	TD-200-C	2	0.2	20	4	–									●																
	TD-300-C	3	0.2	20	5	–									●																
	TD-400-C	4	0.3	20	5	–									●																
	MGGN150-Q-8	1.5	0.15	16	3.5	–									●																
	MGGN200-Q-8	2	0.2	16	4	–									●																
	MGGN300-Q-8	3	0.2	21	5	–									●																
	MGGN400-Q-8	4	0.3	21	5	–									●																
	MGGN500-Q-8	5	0.8	25.86	5.8	–									●																
	MGGN150-Q	1.5	0.15	16	3.5	–									●																
	MGGN200-Q	2	0.2	16	4	–									●																
	MGGN300-Q	3	0.2	21	5	–									●																
	MGGN400-Q	4	0.3	21	5	–									●																
	MGGN500-Q	5	0.8	25.86	5.8	–									●																



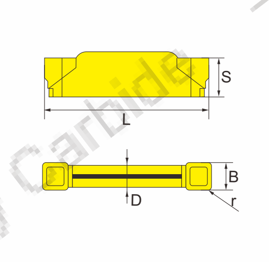
Workpiece Material

- P Steel
- M Stainless steel
- K Cast iron
- N Aluminum, copper
- S Heat-resistant alloy, titanium

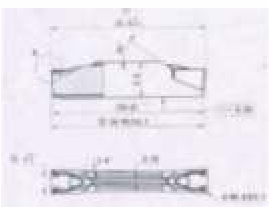
Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
5235	1-4μm	Fuchsia	HRC55°Steel Stainless Steel

Insert Shape	Model	Size(mm)				Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		L1	La	r	L	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	ZQ1402	3.9	2.2	0.2	9.3									●																
	ZQ1403	4.4	3.1	0.2	11.3									●																
	ZQ1404	4.95	4.1	0.3	11.3									●																
	ZQ1405	5	5.1	0.3	11.4									●																

Cutting Insert Series

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel	5235	1-4ųm	Fuchsia	HRC55°Steel Stainless Steel
	M Stainless steel				
	K Cast iron				
	N Aluminum, copper				
	S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		b	r	l	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	MRMN200-G	2	1	21	1.5	3.5									●																
	MRMN300-M	3	1.5	21	2.35	4.8									●																
	MRMN400-M	4	2	21	3.3	4.8									●																
	MRMN500-M	5	2.5	25.86	4.12	5.8									●																

	Workpiece Material	Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P Steel	J66	2-4ųm	Bronze	HRC55°Steel Stainless Steel
	M Stainless steel				
	K Cast iron				
	N Aluminum, copper	5555	13-18ųm	Bi-color	Mild steel HRC 45° material
	S Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)					Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		b	r	l	d	t	EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	N123H2-0400-0004	4	0.4	24.95	3.25	5.8												●													
	N123H2-0400-0004	4	0.4	24.95	3.25	5.8														●											

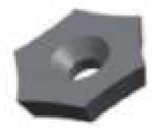
Processing Material / Coating selection / Coating Grade GggggGrade	Universal	P20	718	Cast Iron	Steel	Titanium Alloy	Casting Steel	Stainless Steel	Grey Cast Iron	Nodular Cast Iron	Mild Steel	Superalloy	45# Steel	Ace Steel	Materials Below Hrc 45°	Steel Below Hrc 50°	Mold Steel Below Hrc 50°	Steel Below Hrc60°
V1	●							●								●		
G1		●	●										●	●			●	
V99				●	●			●										
J69								●										
F66					●			●										
820J	●					●		●				●						
820M								●								●		
820-G												●						●
5215					●													
5555											●				●			
Z5255							●		●	●								

Inner Burr Insert

	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P	Steel	5215	13-18ųm	Black	Steel
	M	Stainless steel				
	K	Cast iron				
	N	Aluminum, copper				
	S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)				Recommended Processing Diameter (mm)	Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		d	s	d1	a		EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	107DR1-2	10	5.5	6	43°	17-21																	●								
	107DR1-2.1	10	4.5	6	43°	17-21																	●								
	107DR1-2.2	10	4.5	5	43°	17-21																	●								
	107DR1-3	13	6	8	38°	21-26																	●								
	107DR1-3.2	13	7	7	38°	21-26																	●								
	107DR1-3Y	13	6	85	42°	21-26																	●								
	107DR1-4.1	22	10	12	36°	32-50																	●								
	107DR1-4.2	22	10	15	36°	32-50																	●								
	107DR1-5	30	12	20	36°	48-72																	●								
	107DR1-6	35	12	22	36°	70-110																	●								
	Φ8×Φ4Φ6	8	6	4	43°	14-17																	●								
	Φ15×Φ8×Φ7.2	15	7.2	8	32.5°	26-29																	●								
	Φ15×Φ9×Φ7	15	7	9	32.5°	26-29																	●								
	Φ19×Φ9×Φ8.7	19	8.7	9	36°	26-34																	●								
	Φ19×Φ10×Φ8.45	19	8.45	10	36°	26-34																	●								
	Φ19×Φ11×Φ8.1	19	8.1	11	36°	26-34																	●								
	Φ22×Φ13×Φ10.7	22	10.7	13	36°	26-34																	●								
	Φ25×Φ15×Φ12	25	12	15	36°	26-34																	●								
	Φ34×Φ20×Φ15	34	15	20	36°	26-34																	●								
	Φ35×Φ20×Φ15	35	15	20	33°	70-100																	●								
	Φ40×Φ25×Φ15	40	15	25	33°	70-100																	●								
	Φ45×Φ25×Φ18	45	18	25	30°	108-184																	●								
	Φ45×Φ28×Φ17	45	17	28	36°	108-184																	●								
	Φ50×Φ30×Φ15	50	15	30	36°	≥184																	●								
	Φ55×Φ38×Φ20.5	55	20.5	38	36°	≥184																	●								

Outer Burr Insert

	Workpiece Material		Coating Grade	Coating Thickness	Coating Color	Recommended processing materials
	P	Steel	5215	13-18ųm	Black	Steel
	M	Stainless steel				
	K	Cast iron				
	N	Aluminum, copper				
	S	Heat-resistant alloy, titanium				

Insert Shape	Model	Size(mm)							Recommended Processing Diameter (mm)	Coated Carbide											Stainless steel					Steel				Cast iron		Ceramics		Al
		d	s	d1	d2	d3	a	r		EG9335J	EG9335-V99	EG9335-G1	EG9335-V1	EG9335-J66	EGZ5255	EG820-J	EG5555	RD5235	RD5235-88	RD5235-V1	RD820-JH	RD6235-F66	RD6235-J66	RD5215-J69	RD820-J	RD5215	RD5215H	RD5555	YT14	RD5255	YG8	RD6255	RDT6255	RD3255
	107RD3-1	20.7	4.76	5.3	10.5	25	15°	13.54	15.875-22.225																	●								
	107RD3-2	20.7	4.76	5.3	10.5	25	15°	13.54	22.225-31.75																	●								
	107RD3-3	20.7	4.76	5.3	10.5	25	15°	13.54	31.75-41.275																	●								
	107RD3-4	20.7	4.76	5.3	10.5	25	15°	13.54	41.275-50.8																	●								
	107RD3-5	20.7	4.76	5.3	10.5	25	15°	13.54	50.8-73.025																	●								
	107RD3-6	20.7	4.76	5.3	10.5	25	15°	13.54	73.025-92.075																	●								

Skinning Insert

- High wear resistance and toughness;
- High temperature red hardness and good impact resistance;
- Strong impact resistance;
- Suitable for powerful cutting and interrupted cutting of steel.

Pulley Cutter Insert

- Greatly improve the dimensional accuracy and surface quality of the finished belt pulley;
- Reduce the number of tool changes and types of tools;
- Effectively shorten the processing time of a single product;
- Improve production efficiency, product quality and reduce costs.