



SLIMSLIT
NARROW SLITTING

**ISCAR Introduces the
Narrowest - 0.8 mm
Indexable Slitting Cutter**

Highlights

ISCAR is introducing the narrowest indexable slitting tool in the market: indexable **SGST** disk slitting cutters featuring **0.8-1.2 mm** cutting width and carrying new **SLIM-GRIP** GFT inserts.



Features

- Slitting widths: 0.8 up to 1.2 mm
- **SLIM-GRIP** GFT inserts with J-type chipformer made from IC1028 tough and IC1008 hard PVD coated grades
- Disk diameters in 32 up to 63 mm
- The cutters are clamped on 16, 20 and 25 mm diameter cylindrical shanks, featuring coolant channels with frontal radially oriented exits
- High productivity: running capabilities 3 times the speed and 5 times the feed of HSS cutters

Marketing advantage

A significant door opener for new applications, the **SLIMSLIT** cutter can compete successfully against solid carbide or currently-used HSS cutters.

Availability

In stock

Prices

Your price list will be sent to you by the pricing department and is available in the **GAL** system.

Sincerely,

Kobi Kisos
Chief Technical Officer,
Marketing Division
ISCAR Headquarters

Sincerely,

Rafi Rabouach
Director of Product Management
Grooving, Parting and Turning Applications
ISCAR Headquarters

Sincerely,

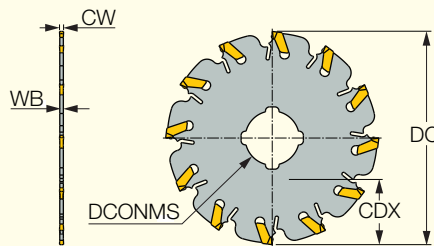
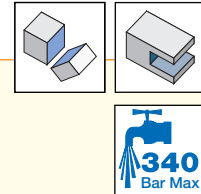
Kobi Guy
Product Manager,
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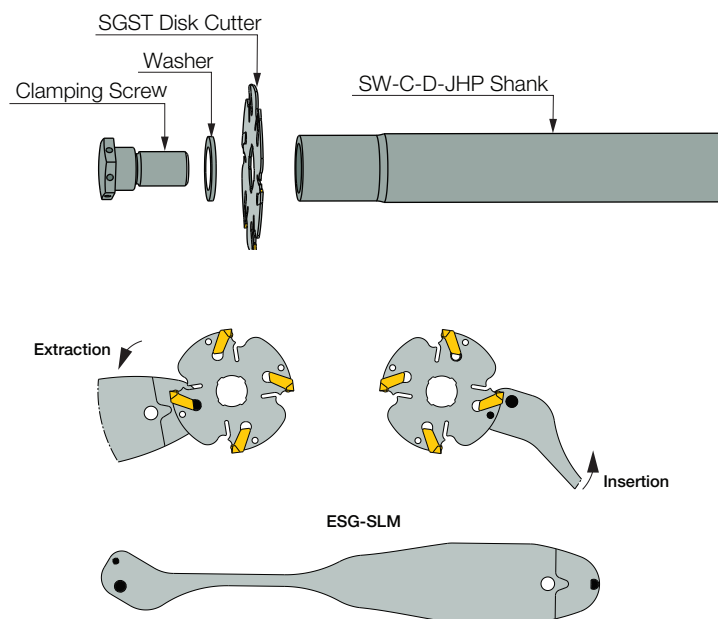
SGST

Thin Slitting Cutters Carrying SLIMGRIP Inserts



Designation	DC	CW	CICT ⁽¹⁾	WB	DCONMS	CDX	RPMX ⁽²⁾	Insert	
SGST 32-8-0.8-4Z	32.00	0.80	4	0.69	8.00	8.00	2490	GFT 0.8	ESG-SLM*
SGST 32-8-1.0-4Z	32.00	1.00	4	0.90	8.00	8.00	2490	GFT 1.0	ESG-SLM*
SGST 32-8-1.2-4Z	32.00	1.20	4	1.06	8.00	8.00	2490	GFT 1.2	ESG-SLM*
SGST 40-10-0.8-6Z	40.00	0.80	6	0.69	10.00	12.00	1990	GFT 0.8	ESG-SLM*
SGST 40-10-1.0-6Z	40.00	1.00	6	0.90	10.00	12.00	1990	GFT 1.0	ESG-SLM*
SGST 40-10-1.2-6Z	40.00	1.20	6	1.06	10.00	12.00	1990	GFT 1.2	ESG-SLM*
SGST 50-13-0.8-9Z	50.00	0.80	9	0.69	13.00	12.50	1590	GFT 0.8	ESG-SLM*
SGST 50-13-1.0-9Z	50.00	1.00	9	0.90	13.00	12.50	1590	GFT 1.0	ESG-SLM*
SGST 50-13-1.2-9Z	50.00	1.20	9	1.06	13.00	12.50	1590	GFT 1.2	ESG-SLM*
SGST 63-16-1.0-12Z	63.00	1.00	12	0.90	16.00	19.00	1260	GFT 1.0	ESG-SLM*
SGST 63-16-1.2-12Z	63.00	1.20	12	1.06	16.00	19.00	1260	GFT 1.2	ESG-SLM*

⁽¹⁾ Number of inserts ⁽²⁾ Maximum RPM



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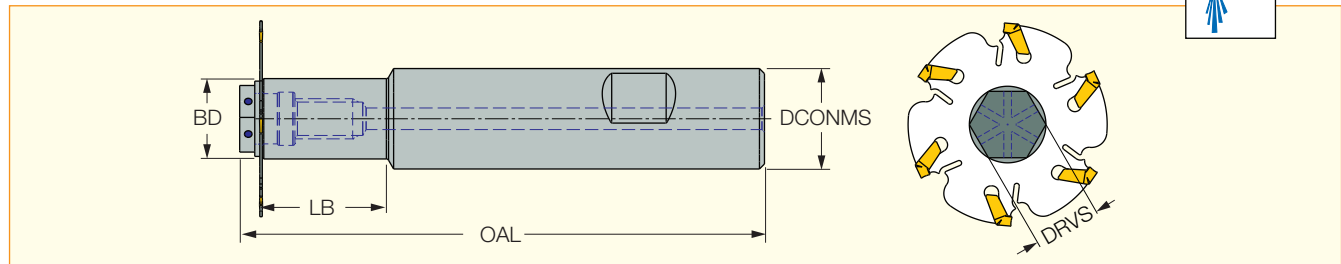
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SW-C-D-JHP

Shanks for SGST Slim Slot Milling Disk Cutters



Designation	DCONMS	BD	LB	OAL	DRVS ⁽¹⁾	WT ⁽²⁾			
SW 16C-D32-JHP	16.00	15.00	25.00	100.00	13.0	0.00	SCREW CLAMP-D32-JHP	MM KEY 13X8	WASHER 8X14.5-D32
SW 20C-D40-JHP	20.00	16.00	25.00	100.00	13.0	0.21	SCREW CLAMP-D40-JHP	MM KEY 13X8	WASHER 10X15-D40
SW 25C-D50-JHP	25.00	-	-	110.00	20.0	0.00	SCREW CLAMP-D50-JHP	MM KEY 20	WASHER 13X24-D50
SW 25C-D63-JHP	25.00	-	-	110.00	20.0	0.00	SCREW CLAMP-D63-JHP	MM KEY 20	WASHER 16X24-D63

⁽¹⁾ Key flat size ⁽²⁾ Item weight

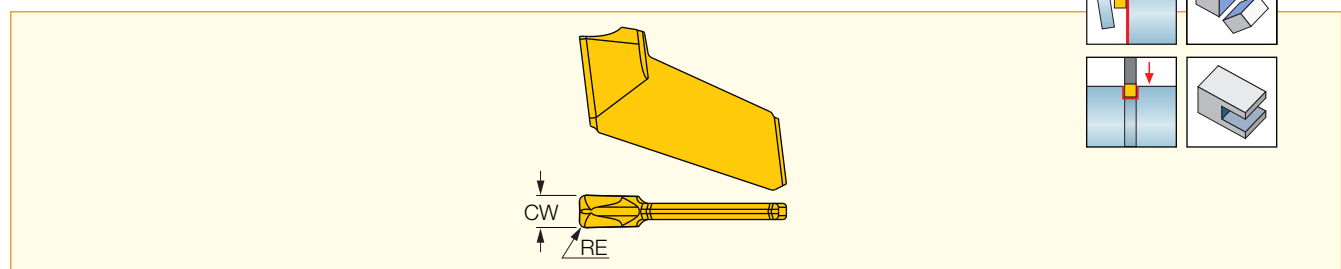
For tools, see pages: SGST ()

SLIMGRIP

NARROW INSERTS

GFT-J

Thin Parting, Grooving & Slitting Single-Ended Inserts for Soft Materials



Designation	Dimensions		Tough ↔ Hard		Recommended Machining Data
	CW	RE	IC1028	IC1008	
GFT 0.8J-0.1	0.80	0.10	•	•	f groove (mm/rev) 0.03-0.08
GFT 1.0J-0.1	1.00	0.10	•	•	0.03-0.10
GFT 1.2J-0.14	1.20	0.14	•	•	0.03-0.10

Cutting Speed Recommendations m/min

ISO	Material	Condition	Tensile Strength [N/mm ²]	Hardness HB	Material No.	IC1028	IC1008
P	Non-alloy steel and cast steel, free cutting steel	< 0.25 %C Annealed	420	125	1	110-140	110-160
		>= 0.25 %C Annealed	650	190	2	100-120	100-140
		< 0.55 %C Quenched and tempered	850	250	3	70-100	70-115
		>= 0.55 %C Annealed	750	220	4	70-100	70-115
		Quenched and tempered	1000	300	5	60-80	60-90
	Low alloy steel and cast steel (less than 5% of alloying elements)	Annealed	600	200	6	100-120	100-140
		Quenched and tempered	930	275	7	90-120	90-140
			1000	300	8	80-110	80-125
			1200	350	9	70-100	70-115
	High alloyed steel, cast steel, and tool steel	Annealed	680	200	10	60-80	60-90
		Quenched and tempered	1100	325	11	55-70	55-80
	Stainless steel and cast steel	Ferritic/martensitic	680	200	12	100-130	100-150
		Martensitic	820	240	13	100-120	100-140
M	Stainless steel	Austenitic	600	180	14	50-110	60-120
K	Cast iron nodular (GGG)	Ferritic/pearlitic		180	15	130-170	140-190
		Pearlitic		260	16	110-160	130-180
	Grey cast iron (GG)	Ferritic		160	17	100-140	100-160
		Pearlitic		250	18	80-100	80-115
	Malleable cast iron	Ferritic		130	19	120-190	120-200
		Pearlitic		230	20	110-180	120-200
N	Aluminum-wrought alloy	Not cureable		60	21	250 max.	250 max.
		Cured		100	22	250 max.	250 max.
	Aluminum-cast, alloyed	<=12% Si Not cureable		75	23	-	
		Cured		90	24	-	
		>12% Si High temperature		130	25	-	
		>1% Pb Free cutting		110	26	-	
	Copper alloys	Brass		90	27	-	
		Electrolytic copper		100	28	-	
		Duroplastics, fiber plastics			29	-	
	Non-metallic	Hard rubber			30	-	
S	High temp. alloys	Fe based Annealed		200	31		
		Cured		280	32	25-35	25-40
		Ni or Co based Annealed		250	33	25-35	25-40
		Cured		350	34	25-35	25-40
		Cast		320	35	40-60	40-70
	Titanium Ti alloys		RM 400		36	40-60	40-70
		Alpha+beta alloys cured	RM 1050		37	40-60	40-70