

Parts

N1 to N8

N

Parts/Other

N

Parts

Technical Guidance
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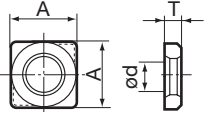

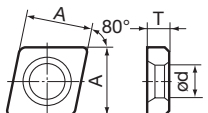

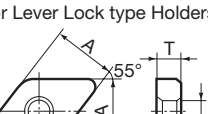

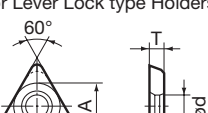



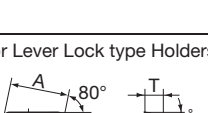

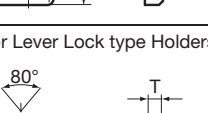

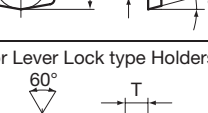

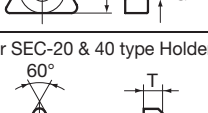

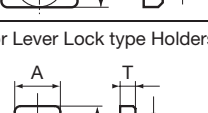

Stock Markings and Symbols

- mark: Standard stocked item
- mark: To be replaced with the new item featured on the same page
- ▲ mark: To be replaced by a new product, made to order, or discontinued (please confirm stock availability)

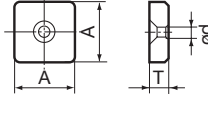

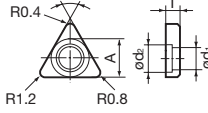

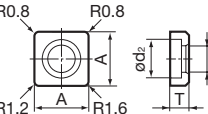

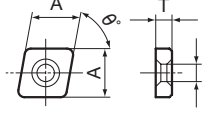

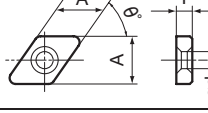

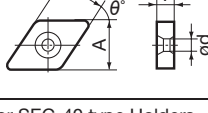

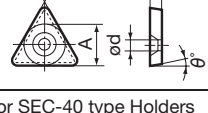

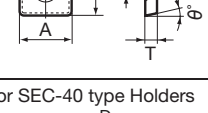

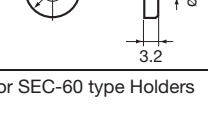

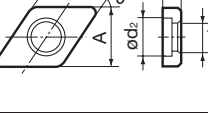

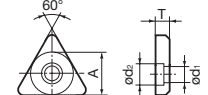

- * mark: Semi-standard stock (please confirm stock availability)
- mark: Stock or planned stock (please confirm stock availability)
- Blank: Made-to-order item
- mark: Not available

Shims

■ Shims

For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSS42B	●	12.65	3.18	6.9	—	—		—
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSC317	●	9.5	2.7	5.2	—	—		—
	LSC32	●	9.48	3.18	5	—	—		—
	LSC42	●	12.65	3.18	6.9	—	—		—
	LSC53	●	15.85	4.76	7.9	—	—		—
LSC63	●	19	4.76	10	—	—	—		
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSD317	●	9.5	2.7	5.2	—	—		—
LSD42	●	12.65	3.18	6.9	—	—	—		
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LST317CA	●	9.33	2.7	5	—	—		—
LST53	●	15.85	4.76	7.9	—	—	—		
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSR817	●	8.4	2.7	5.2	—	—		—
	LSR10	●	8.4	3.18	4.7	—	—		—
	LSR12	●	10	3.18	4.7	—	—		—
	LSR16	●	13.5	4.76	6.3	—	—		—
	LSR20	●	17.2	4.76	7.9	—	—		—
	LSR25	●	22	6.35	9.5	—	—		—
LSR32	●	28	6.35	12.7	—	—	—		
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSC42B	●	12.65	3.18	6.9	—	8		—
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	LSW42B	●	12.7	3.18	6.9	15	—		—
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	STN1103	●	6.3	3.18	3.4	—	—		—
For SEC-20 & 40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	STND323	●	9.3	3.18	3.4	—	—		—
For Lever Lock type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SSN0903	●	9.5	3.18	3.4	—	—		—

■ Shims

For SEC-20 & 40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SSND423	●	12.5	3.18	3.4	—	—		—
SSND433	●	12.5	4.76	3.4	—	—	—		
For SEC-30 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	EST32	●	9.53	3.18	5.5	5.9	—		—
	EST43	●	12.7	4.76	7.5	7.9	—		—
For SEC-30 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	ESS42	●	12.73	3.18	7.5	7.9	—		—
For SEC-30 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SCN0903	●	9.5	3.18	3.4	—	—		80
For SEC-30 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SDN1103	●	9.5	3.18	3.4	—	—		55
For SEC-40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SCND433	●	12.65	4.76	3.4	—	—		80
For SEC-40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	STPD322	●	8.4	3.18	3.4	—	—		6
	STPD422	●	11	3.18	3.4	—	—		6
	STPL42	●	11	3.18	3.4	—	—		6
For SEC-40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SSPD422	●	11.6	3.18	3.4	—	—		6
SSPD522	●	14.1	3.18	3.4	—	—	6		
For SEC-40 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SRND32	●	3.2	3.4	9.53	—	—		—
SRND42	●	—	—	12.7	—	—	—		
For SEC-60 type Holders 	Cat. No.	Stock	Dimensions (mm)						
	SVW322	●	9.5	3.18	4.7	6.5	—		35
	SDW323	●	9.5	3.18	4.7	6.5	—		55
	SDW423	●	12.65	3.18	6.2	8	—		55
	SCW323	●	9.5	3.18	4.8	6.5	—		80
	SCW423	●	12.65	3.18	6.2	8	—		80
SCW635	●	19	4.76	9	11.5	—	80		
For SEC-M type Holders For SEC-Boring Bars 	Cat. No.	Stock	Dimensions (mm)						
	STW323	●	9.5	3.18	4.7	6.5	—		—
STW434	●	12.65	4.76	6.2	8	—	—		

Shims / Seats

Parts/Other

N

Parts

Technical Guidance
Reference

Shims

	For SEC-M type Holders	Cat. No.	Stock	Dimensions (mm)									
	SWW433	●	12.65	4.76	6.2	8	—	—	—				
	For SEC-M type Holders	Cat. No.	Stock	Dimensions (mm)									
		WNS0603B	●	9.525	3.18	3.4	4.5	—	—		—		
		WNS0803B	●	12.7	3.18	3.4	4.5	—	—		—		
		WNS0804	●	12.57	4.76	4.4	6	—	—		—		
		WNS0804B	●	12.7	4.76	4.4	6	—	—		—		
	For SEC-Boring Bar	Cat. No.	Stock	Dimensions (mm)									
	SSW423	●	12.65	3.18	6.2	8	—	—	—				
	For SEC-Boring Bar	Cat. No.	Stock	Dimensions (mm)									
		SSW635	●	19	4.76	9	11.5	—	—		—		
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		CNS1204	●	12.57	4.76	4.4	6	0.8	0.8	1.2	1.2		—
		CNS1606	●	15.75	4.76	5.5	7.5	1.2	1.2	1.2	1.2		—
		CNS1906	●	18.70	6.35	5.5	7.5	1.6	1.6	1.2	1.2		—
		CNS2509	●	25.27	6.35	6.6	9.5	2.4	2.4	2.4	2.4		—
		CNS1204-R24	●	12.57	4.76	4.4	6	2	0.8	2.4	1.2		—
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		DNS1504	●	12.57	6.35	4.4	6	0.8	0.8	1.2	0.8		—
		DNS1506	●	12.57	4.76	4.4	6	0.8	0.8	1.2	0.8		—
		DNS1504-R24	●	12.57	6.35	4.4	6	2	0.8	2.4	0.8		—
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		SNS1203B	●	12.57	3.18	3.4	4.5	—	—	—	—		—
		SNS1204	●	12.57	4.76	4.4	6	0.8	0.8	1.2	1.2		—
		SNS1506	●	15.75	4.76	5.5	7.5	1.2	1.2	1.2	1.2		—
		SNS1906	●	18.92	6.35	5.5	7.5	1.2	1.2	1.2	1.2		—
		SNS2507	●	25.27	7.93	6.6	9.5	2.4	2.4	2.4	2.4		—
		SNS2509	●	25.27	6.35	6.6	9.5	2.4	2.4	2.4	2.4		—
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		TNS1603B	●	9.525	3.18	3.4	4.5	—	—		—	—	
		TNS1604	●	9.45	4.76	3.4	4.5	0.4	0.8		1.2	—	
		TNS1604B	●	9.525	4.76	3.4	4.5	—	—		—	—	
		TNS1604-R24	●	9.45	4.76	3.4	4.5	1.6	2		2.4	—	
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		VNS1604	●	9.45	4.76	3.4	4.5	1.2	0.8		—	—	
	For SEC-D type Holders	Cat. No.	Stock	Dimensions (mm)									
		SVP32	●	7.73	3.55	5.5	—	—	—		—	—	
	For X-Bar Negative Insert	Cat. No.	Stock	Dimensions (mm)									
		CNS1203B	●	12.57	3.18	3.4	4.5	1.2	0.8	1.2	0.8		—
		CNS1204B	●	12.57	4.76	4.4	6	1.2	0.8	1.2	0.8		—

Shims

	For X-Bar Negative Insert	Cat. No.	Stock	Dimensions (mm)									
		DNS1104B	●	9.45	4.76	3.4	4.5	1.2	0.8	1.2	0.8		—
		DNS1506B	●	12.57	4.76	4.4	6	1.2	0.8	1.2	0.8		—
		DNS1504B	●	12.57	6.35	4.4	6	1.2	0.8	1.2	0.8		—
	For SEC-Sumi Dual Mill DGC series	Cat. No.	Stock	Dimensions (mm)									
		DGCS13R	●	13.7	3.9	6.8	8.8	—	5		—		
	For SEC-WaveMill WGC/WGX series	Cat. No.	Stock	Dimensions (mm)									
		WGCS13R	●	10.7	3	5.5	7.5	—	5		—		
	For SEC-WaveMill WFX series	Cat. No.	Stock	Dimensions (mm)									
		WFXS4R	●	10.2	3	5.5	7.5	—	15		—		
	For LTER (Threading)	Cat. No.	Stock	Dimensions (mm)									
		LSTE31-0	●	9.5	2.7	2.7	5.2	—	—		—		
		LSTE42-0	●	12.65	3.18	3.18	7	—	—		—		
	For SSTE/SSTI (Threading)	Cat. No.	Stock	Dimensions (mm)									
		YE3	●	9.5	3.2	4	—	—	—		—		
		YI3	●	9.5	3.2	4	—	—	—		—		

Seats

	Seat for TSX Cutter	Cat. No.	Stock	Dimensions (mm)						
		TSXS13R	●	12.7	9	6.2	4.4	6	—	
	Seat for PWS Cutter	Cat. No.	Stock	Dimensions (mm)						
		PWSS4R	●	4.6	15	8	—	—	—	

Retaining Rings / Pins / Nuts / Drawing Pins / Wrenches

Retaining Rings

Cat. No.	Stock	Dimensions (mm)						(N·m)
		A	B	T	d	—	—	
ER03	●	7	2.6	0.6	3	—	—	—
ER04	●	9	3.5	0.6	4	—	—	—
ER05	●	11	4.3	0.6	5	—	—	—

Pins

Cat. No.	Stock	Dimensions (mm)							(N·m)
		d	Pitch	L	D	D ₁	d ₁		
MP317	●	M4	0.7	15.5	6	4	3.7	—	
MP317S	●	M4	0.7	15.5	6	4	3.56	—	
MP320	●	M4	0.7	19.5	6	4	3.7	—	
MP320S	●	M4	0.7	19.5	6	4	3.56	—	
MP416	●	M5	0.8	14	7.5	6	5	—	
MP420	●	M5	0.8	20	7.5	6	5	—	

Cat. No.	Stock	Dimensions (mm)					(N·m)
		d	—	L	D	θ°	
SPP308	●	3.2	—	8	4.8	60°	—

Cat. No.	Stock	Dimensions (mm)				(N·m)
		—	L	D	—	
SPP3	●	—	14	3.2	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		d	H	L	—	—	
LSP3	●	5	3.3	5.5	—	—	—
LSP4	●	6.7	4	7	—	—	—
LSP5	●	7.7	4.5	8.5	—	—	—
LSP6	●	9.85	6	11.1	—	—	—
LSP8	●	13.05	10	12	—	—	—
LSP10	●	5	3.3	6.5	—	—	—
LSP16	●	6.6	4.5	9	—	—	—
LSP20	●	8.2	5.5	9	—	—	—
LSP25	●	9.8	6.5	11	—	—	—
LSP32	●	13	10	12	—	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		d	D	L	ℓ	—	
LP04	●	0.4	1.1	4.7	3	—	—
LP06	●	0.4	1.1	6	5	—	—
LP07	●	0.4	1.1	7.7	3.5	—	—

Cat. No.	Stock	Dimensions (mm)						(N·m)
		d ₁	d ₂	L	D	ℓ ₁	ℓ ₂	
VP20	●	M3.5	M4	12	6.5	≥ 4.5	≥ 4.5	—
VP25	●	M3.5	M4	17	6.5	≥ 4.5	≥ 4.5	—
VP32	●	M3.5	M4	24	6.5	≥ 4.5	≥ 4.5	—

Cat. No.	Stock	Dimensions (mm)					(N·m)	
		d	Pitch	L	D ₁	D ₂		
VP32B	●	M3.5	0.6	8	1.4	5	6.5	—
VP40B	●	M3.5	0.6	11.5	1.4	5	6.5	—

Nuts

Cat. No.	Stock	Dimensions (mm)					(N·m)
		d	L	D	B	—	
CPM32N	●	M4	7.5	7	3	—	—
CPM43N	●	M5	8.5	7	3	—	—
CPM43S	●	M5	6	7	3	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		L	—	—	—	—	
BNBW-4	●	4	—	—	—	—	—
BNBW-7	●	7	—	—	—	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		d	Pitch	L	D	B	
CPV33N	●	M4	0.5	6	6	2.5	—

Drawing Pins

Cat. No.	Stock	Dimensions (mm)				Fig	(N·m)
		d	D	L	θ°		
SR083	●	5	2.9	20	60	—	—
SR124	●	6	3.9	24	60	1	—
SR134B	●	6	3.9	22.5	60	—	—

Wrenches

Cat. No.	Stock	Dimensions (mm)					(N·m)
		B	L	ℓ	—	—	
LH015	●	1.5	45	14	—	—	—
LH020	●	2	50	16	—	—	—
LH025	●	2.5	56	18	—	—	—
LH030	●	3	63	20	—	—	—
LH035	●	3.5	22	68	—	—	—
LH040	●	4	70	25	—	—	—
LH050	●	5	80	28	—	—	—
LH060	●	6	90	32	—	—	—
LH080	●	8	100	36	—	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		B	L	ℓ	—	—	
LH020NT	●	2	50	16	—	—	—
LH025NT	●	2.5	56	6	—	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		B	d	L	ℓ	—	
LT08-06	●	T8	2.3	42.5	6	—	—
LT15-10	●	T15	2.8	62	10	—	—
LT15	●	T15	3.26	54	17.9	—	—
LT20	●	T20	3.9	57.2	19.1	—	—
LT25	●	T25	4.4	60.3	20.2	—	—
LT27	●	T27	4.96	63.5	21.5	—	—

Cat. No.	Stock	Dimensions (mm)					(N·m)
		B	d	L	ℓ	—	
LT25NT	●	3.6	4	65	10	—	—

Wrenches

Wrenches

Wrench (Hex)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	b ₁	C	—	—	—	
	TH030	●	3	48	28	—	—	—	—
	TH040	●	4	48	37	—	—	—	—
	TH050	●	5	48	45	—	—	—	—
T-Shaped Wrench (Hex)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	b ₁	C	—	—	—	
	TH015	●	1.5	35	30	—	—	—	—
	TH020	●	2	35	39	—	—	—	—
	TH025	●	2.5	35	39	—	—	—	—
Wing Wrench (Hex)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	C	b ₁	b ₂	—	—	
	TSW040	●	4	60	20	40	—	—	—
Wing Wrench (Torx Plus)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	C	b ₁	b ₂	—	
	TRXW10IP	●	10IP	2.6	40	75	40	—	—
T-Shaped Wrench (Torx)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	C	b ₁	—	—	
	TTX15W	●	T15	4	97	28	—	—	—
	TTX20	●	T20	3.9	58	47	—	—	—
	TT25	●	T25	4.4	27	48	—	—	—
	TT27	●	T27	5	41	48	—	—	—
Torx Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	C	b ₁	b ₂	—	—	
	TRX06	●	T6	35.5	15	15	—	—	—
	TRX08	●	T8	38.5	19	19	—	—	—
	TRX10	●	T10	42.1	22	22	—	—	—
	TRX15	●	T15	46	22	27	—	—	—
	TRX20	●	T20	49	22	30	—	—	—
Torx Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	L	l	—	—	
	RT06	●	2-1.8	2	35	8	—	—	—
	RT08	●	2-2.1	2.1	35	8	—	—	—
Torx Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			d	C	b ₁	b ₂	B	—	
	RT10	●	3	37	20	20	2.9	—	—
Torx Plus Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	C	b ₁	b ₂	—	—	
	TRX06IP	●	6IP	34	15	15	—	—	—
T-Shaped Wrench (Torx Plus)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	C	b ₁	—	—	
	TTR15IP	●	15IP	4	80	25.5	—	—	—
Bit (Removable Wrench Tip)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	—	—	—	—	
	TRB10IP	●	10IP	4	—	—	—	—	—
	TRB15IP	●	15IP	4	—	—	—	—	—
	TRB20IP	●	20IP	4.5	—	—	—	—	—
	TRB25IP	●	25IP	5	—	—	—	—	—

Wrenches

Hand Grip (Removable Handle)	Cat. No.	Stock	Dimensions (mm)			(N·m)			
			D	L	Remarks				
	HPS1015	●	32	99.4	For 10IP and 15IP	—			
	HPL2025	●	35.5	110.3	For 20IP and 25IP	—			
Torx Plus Wrench (Screwdriver type)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	C	b ₁	—	—	—	
	TRDR08IP	●	8IP	60	104	—	—	—	—
	TRDR10IP	●	10IP	80	111	—	—	—	—
	TRDR15IP	●	15IP	80	111	—	—	—	—
	TRDR20IP	●	20IP	100	118	—	—	—	—
	TRDR25IP	●	25IP	100	118	—	—	—	—
Torx Wrench (Screwdriver type)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			B	d	C	b ₁	—	—	
	TRD07	●	T7	2	45	70	—	—	—
	TRD08	●	T8	2.3	55	70	—	—	—
	TRD15	●	T15	3.3	70	100	—	—	—
	TRD20	●	T20	3.9	100	90	—	—	—
	TRD25	●	T25	5.3	80	110	—	—	—
Key Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			L	a	C	—	—	—	
	KY25	●	45	2.5	10	—	—	—	—
	KY40	●	60	4	13	—	—	—	—
Socket Wrench (Wrench for Axial Adjustment Operation)	Cat. No.	Stock	Dimensions (mm)						(N·m)
			d	C	b ₁	b ₂	—	—	
	RFT	●	1.7	35	15	15	—	—	—
Socket Wrench	Cat. No.	Stock	Dimensions (mm)						(N·m)
			d ₁	d ₂	L	H	—	—	
	ANT	●	5	2	100	4.5	—	—	—