

14 Parts for TAC tools

Specifications of parts

■ Parts for TAC tools

● Screws	14-2
● Shims	14-7
● Clamps	14-13
● Clamp sets	14-15
● Levers	14-16
● Pins	14-17
● Chipbreaker pieces	14-18
● Springs	14-19
● Coolant supply attachments	14-20
● Pistons	14-20
● Nuts	14-20
● Coolant Pipe & Nozzle	14-20
● Sizing plates	14-21
● Washers	14-22
● Wrenches and drivers	14-22
● Locator	14-24
● Insert locking wedge	14-25
● Locator adjusting wedge	14-26
● Fine adjusting screw	14-26

Reference

■ Parts for former TAC tools

● Parts for former J-series toolholders	14-27
● Parts for former TAC mills	14-28
● Parts for former TAC drills	14-33

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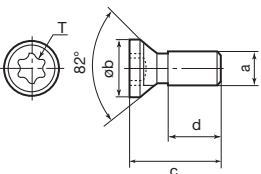
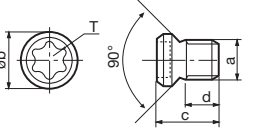
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Screws

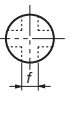
Shape	Part Cat. No.	Stock	Dimensions (mm)							Torque (N·m)	Applicable Tools
			a	øb	c	d	T / f				
	CSTA-NO2	●	#2-56UNC	4	6	4	T8		1.3	TAC External Toolholders J series S-type TurnTec Turning A A-type MS-type	
	CSTA-NO2S	●			5	3					
	CSTA-NO2L	●			8	6					
	CSTA-NO3	●	#3-48UNC	4.3	7	4	T9		2.3		
	CSTA-NO5	●	#5-40UNC	5	8	5					
	CSTA-1.6	●	M1.6x0.35	2.5	3.1	0.9	T6		0.6		
	CSTA-4	●	M4x0.7	7	10	7.7	T15		3.5	TAC Internal Toolholders DoMiniBore TurnTec Turning A A-type Stream Jet Bar Stream Jet Bar mini S-type	
	CSTA-5	●	M5x0.8	7.2	15	11					
	CSTA-5S	●			12	8					
	CSTA-5SS	●			9.5	5.5					
	CSTA-5ST25	●			12	8	T25		5.0		
	CSPA-5	●			15	11	20IP		5.0		
	CSPA-5S	●			12	8					
	CSPA-5IP15	●			7.1	15	11	15IP		3.5	
	CSPA-5SIP15	●				12	8				
CSPA-5IP20	●	15				11	20IP		5.0		
CSPA-5SIP30	●	12				8					
 CSP-2L033 type shown	CSP-2L033	●			M2x0.4	2.6	3.3	1.9	6IP		0.7
	CSTB-2	●	2.7	3.3		1.4	T6		0.7		
	CSTB-2L	●		5.2		3.3					
	CSTB-2L040	●	M2.2x0.45	3.5	4	2.1	T7		1.0	Tooling Systems TAC Cartridge SP-type TAC Cartridge A-type TAC Boring Bar Tools "TOP-BORER" Tools	
	CSTB-2.2	●			6.1	3.5					
	CSTB-2.2L038	●			3.8	2.2					
	CSTB-2.2S	●	M2.5x0.45	3.5	4.6	2	T8		1.3		
	CSTB-2.2R	●			6.1	3.7					
	CSTB-2.5	●			M3x0.5	4.1	6	3.4			T9
	CSTB-2.5L080	●	8	5.4							
	CSTB-2.5B	●	M3.5x0.6	5.5			5.5	2.6	T15		3.5
	CSTB-2.5S	●			4.8	2.2					
	CSTB-3	●			M4x0.7	5.5	8	4.5	T20		
	CSTB-3L042	●	4.2	0.7							
	CSTB-3L050	●	M4x0.5	6.4			5	2	T9		2.3
	CSTB-3S	●			6	2.5					
	CSTB-3.5ST	●			M4x0.7	5.5	12.5	4	T15		
	CSTB-3.5H	●	6.5	3.1							
	CSTB-3.5	●	M4x0.5	5.5			8.4	4.3	T20		5.0
	CSTB-3.5T	●			10	5.5					
	CSTB-3.5TS	●			M4x0.7	5.5	8.5	4	T9		
	CSTB-3.5D	●	4.7	8.4			4.9				
	CSTB-3.5L110	●	M4x0.7	5.5			11	7.5	T15		3.5
	CSTB-3.5L115	●			4.8	11.5	7.0				
	CSTB-3.5L115-S	●			M4x0.7	5.5	4.8	11.5	T10		
	CSTB-3.5L	●	6.5								
	CSTB-4	●	M4x0.5	5.5			12.5	8.4	T15		3.5
	CSTB-4L060	●			5.5	11.4	7.4				
	CSTB-4L090	●			M4x0.7	5.5	6	2	T15		
	CSTB-4L115-S	●	5.7	9			5.5				
	CSTB-4S	●	M4x0.7	5.5			11.5	6.5	T8		1.3
	CSTB-4ST	●			5.5	8					
	CSTB-4SD	●			M4x0.5	5.5	14.7	4	T15		
	CSTB-4M	●	8								
	CSTB-4F	●	M4x0.7	5.5			9.5	5.5	T15		5.0
	CSTB-4TS	●			7	14.7	8.7				
	CSTB-5	●			M4x0.7	6.5	9	4.5	T20		
	CSTB-5S	●	12	7.5							
	CSTB-5L105	●	M5x0.8	7			9.5	5	T20		5.0
	CSTB-5L120	●			10.5	6.1					
	CSTB-5L159	●			M5x0.8	7	12	6.5	T20		
	CSTB-5L163-S	●	7.2	15.9			11.2				
	CSPB-2L043	●	M2x0.4	2.7			6.9	16.3	6IP		0.7
	CSPB-2H	●			4.3	2.5					
	CSPB-2.2	●			M2.2x0.45	3	2.7	4.3	7IP		
	CSPB-2.2SH	●	2.6	3.4			1.6				
	CSPB-2.5	●	M2.5x0.45	3.5			6	3.9	8IP		1.3
	CSPB-2.5S	●			4	2					
	CSPB-2.5SH	●			M2.5x0.45	3.5	6	3.5	7IP		
	CSPB-2.5S	●	4.2	1.7							
	CSPB-2.5SH	●	M3.5x0.6	5.2			5.2	3.3	15IP		3.5
	CSPB-3.5	●			9	5.6					
	CSPB-3.5S	●			M4x0.7	5.5	6.5	3.1	20IP		
	CSPB-4	●	11.6	7.4							
	CSPB-4S	●	M5x0.8	7			8.2	4	T7		0.9
	CSPB-5	●			12	7.5					
	SR14-591	●			M2.5x0.45	3.3	5.2	3.2	T20		
	SM40-143-H0	●	M4x0.7	5.6	14.3	8.4	T15		3.5		

● : Stocked items.

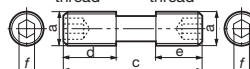
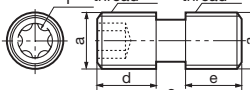
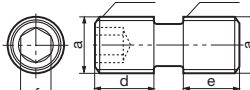
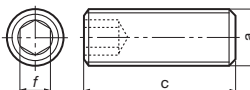
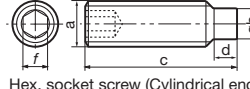
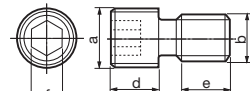
Shape	Part Cat. No.	Stock	Dimensions (mm)						Torque (N·m)	Applicable Tools
			a	øb	c	d	T / f			
	CSPD-1.8S	●	M1.8x0.35	2.4	3.3	1.4	6IP	0.7	TAC Mills	
	CSTD-3T	●	M3x0.5	4.3	7	4.5	T10	2.5		
	CSPD-3	●				4.2	10IP	2.5		
	CSTB-4.5L110P	●	M4.5X0.75	6.6	11.7	7	T15	3.5	TAC Toolholders S-type	
	CSPE-5L150	●	M5X0.8	9.2	15	9.8	20IP	7.5	TAC Mills DoOcto DoQuad	
	CSTC-2	●	M2x0.4	3.1	5.1	-	T6	0.7	TAC Drills TDJ (Former products)	
	CSTR-4L100	●	M4x0.7	5.7	10	5.5	T15	3.5	TAC Mills DoPent	
	SR16-212-01397	●	M5x0.8	6.4	12.5	6.8	T20/ T10	2.5	TAC Grooving & Parting Tools TetraCut	
	SR16-212-01397L	●								
	CST-3.5	●	M3.5X0.6	6	4.8	-	T9	2.3	TAC Mills	
	CST-3.5S	●			3.5	-				
	CST-5	●	M5x0.8	10	18	13	T25	5.0		
	CST-5S	●			12	7				
	CSTF-2L055-S	●	M2x0.4	2.7	5.5	3.8	T6		TAC Toolholders TurnTec	
	SM2.5x0.45x8	●	M2.5x0.45	5	8	-	-	-	TAC External Toolholders C-type	
	SM2.5x0.5x8	●	M2.5x0.5	5	8	-	-	-	TAC Internal Toolholders C-type	
	SM3x0.5x6	●	M3x0.5	6	6	-	-	-	Tooling Systems	
	SM3x0.5x8	●			8	-	-	-	TAC Cartridge CP-type	
	SM3x0.5x10	●			10	-	-	-	-	
	MSP-5	●	M5x0.8	6.1	7.9	4.9	2	1.5	TAC Toolholders M-type	
	MSP-6.3	●	M6.3x1	7.7	12.7	9.9	2.5	3.0		
	BHM3-8	●	M3x0.5	5.5	10	8	2	1.5	TAC Grooving & Parting Tools CGT-type GX-type TAC Drills	
	BHM4-8	●	M4x0.7	7	10.6	10	2.5	2.2		
	BHM4-10	●			12.6					
	BHM5-14	●	M5x0.8	9	17.6	14	3	3.0		
	BHM6-20-A	●	M6x1.0	10.5	24	20	4	5.0		
	BHM8-25U	●	M8	14	29.3	25	5	8.5		
	BHM8-30U	●			34.3	30				
	CSHM-3-8	●	M3	6	8	-	2	1.5		
	CSHB-4-A	●	M4	5.5	11		T15	2.0	TAC Grooving & Parting Tools CGD-type CGW-type CFGs-type CFGT-type TungCut	
	CSHB-6	●	M6	8.5	19	-	4	5.0		
	CSHB-6-A	●	M6	8.5	19			5.0		
	RT-1	●	M6	10	22.5	14	4	5.0	TAC Grooving & Parting Tools CGD-type GX-type TAC Mills	
	RT-2	●	M8	13	31	20	5	8.5		
	ASM6	●	M6	10	18	12	3	-	Tooling Systems TAC Cartridge PN-type TAC Cartridge CP-type	
	AJM5F	●	M5x0.5	9	13	8	2	-		
	AJM5	●	M5x0.8	9	13	8	2	-		
										TAC Mills

● : Stocked items.

Screws

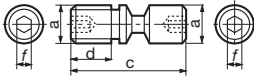
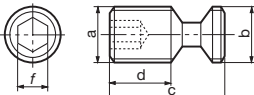
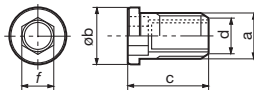
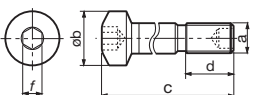
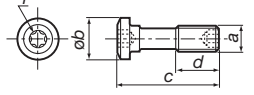
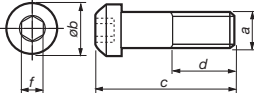
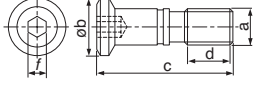
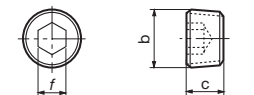
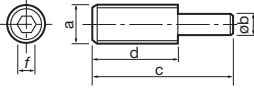
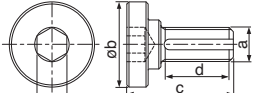
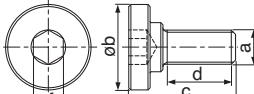
Shape	Part Cat. No.	Stock	Dimensions (mm)						Torque (N·m)	Applicable Tools
			a	øb	c	d	e	f		
	ASM34S	●	M3	4.8	8	5		2	-	
	ASM34L	●			11	8			-	
	ASM54	●	M5x0.8	9	14	9		3	-	
	CHHM3.5-10	●	M3.5x0.6	6	13.5	10		3	3.0	TAC Grooving & Parting Tools CGD-type CGW-type CFGS-type CFGT-type TAC Drills Tooling Systems TAC Cartridge PN-type TAC Cartridge CP-type TAC Cartridge CE-type TAC Cartridge SP-type TAC Cartridge PNE-type
	CHHM4-10		M4x0.7	7	14					
	CHHM5-14		M5x0.8	8.5	19	14		4	5.0	
	CHHM5-18	●			23	18				
	CHHM6-15		M6	10	21	15		5	8.5	
	CHHM6-20				—	20				
	CHHM6-25				31	25				
 Hex, socket head screw (JISB1176) 	CM3X0.5X6		M3x0.5	5.5	9	6		2.5	2.2	TAC Mills TAC Mill PS-series TAC Grooving & Parting Tools TungCut
	CM3X0.5X10				13	10				
	CM4X0.7X10		M4x0.7	7	14					
	CM4X0.7X12				16	12				
	CM4X0.7X14	●			18	14		3	3.0	
	CM4X0.7X15				19	15				
	CM4X0.7X20	●			24	20				
	CM4X0.7X20-M0-A	●		6	24	20				
	CM5X0.8X8		M5x0.8	8.5	13	8				
	CM5X0.8X10-A	●			15	10				
	CM5X0.8X12	●			17	12				
	CM5X0.8X12-A	●			17	12				
	CM5X0.8X14	●			18	14				
	CM5X0.8X16				21	16		4	5.0	
	CM5X0.8X16-A	●			21	16				
	CM5X0.8X18				23	18				
	CM5X0.8X20-A	●			25	20				
	CM5X0.8X25-A	●			30	25				
	CM5X15		M5		20	15				
	CM6X1X16-A	●	M6x1.0		22	16				
	CM6X1X20-A	●			26	20				
	CM6X1X25-A	●			31	25				
	CM6X1.0X40-A	●			46	40				
	CM6X10		M6	10	16	10		5	8.5	
	CM6X15				21	15				
	CM6X16				22	16				
	CM6X20				26	20				
	CM6X25				31	25				
	CM6X30-S	●	M6x1.0	10	35.7	28				
	CM8X1.25X20-A	●	M8x1.25	13	28	20		6	25.0	
	CM8X1.25X25-A	●			33	25				
	CM8X30H	●			36	30		5		
	CM10X30		M10x1.5		16	30	20	8	40.0	
	CM10X30H	●			16	38		6	40.0	
	CM12X30H	●	M12x1.75		18	40	30	8	70.0	
	CM16X40H	●	M16x2		24	54	40	10	100.0	
	C0.375X1.125H	●	3/8-24UNF	14.27	38.11	28.58		5.55	35.0	
	C0.500X1.375H	●	1/2-20UNF	19.05	47.63	34.93		7.94	70.0	
	SD06-A3	●	M10x1.5		16	70	60	8	40.0	
	SD08-98	●	M12x1.75		18	77	65	10	70.0	
	FSHM8-30	●	M8x1.25	11	30	27		5	25.0	TAC Mills
	FSHM8-30H	●							25.0	
	FSHM10-40	●	M10	14	40	36.5		6	40.0	
	FSHM10-40H	●							40.0	
										
	SHCM4-10	●	M4x0.7	6	14	10		3	3.0	TAC Mills
	SHCM4-12	●			16	12				
	SHCM4-16	●			20	16				
	CTS-M6	●	M6x1	10	25	16.4		4	5.0	TAC Toolholders C-type (Be used KNMX inserts) TAC Grooving & Parting Tools CTW-type

● : Stocked items.

Shape	Part Cat. No.	Stock	Dimensions (mm)						Torque (N·m)	Applicable Tools
			a	øb	c	d	e	T / f		
	MCS520-2.5	●	M5×0.8		20	7	6	2.5	3.0	TAC External Toolholders M-type C-type TAC Internal Toolholders M-type TAC Grooving & Parting Tools CTH-type
	MCS620-3	●	M6×1				7	3	6.0	
	MCS625-3	●			25	10	8			
	MCS825-4	●	M8×1		28.5	12	10.5	4	8.0	
	MCS828-4	●			30	11.5	11.5			
	NDS-8A	●			20	8	8			
	NDS-8S	●	M8×1.25		20	8	8			
	DS-6T	●	M6		15	6	6		3.5	TAC Mills
	DS-6P	●	M6×1		21	7	7	15IP	6.0	
	FDS-8ST	●	M8×1		20	8	8	T27	10.0	
	FDS-8ST-18	●			18		6			
	DS-6	●	M6×1		15	6	6	3	6.0	TAC Grooving & Parting Tools CTH-type TAC Threading Tools TT-type TAC Mills
	DS-8	●	M8×1.25		16	7	7	4	8.0	
	DS-8S	●			13	5.5	5.5			
	DS-10	●	M10×1.5		26		12	5	8.0	
	FDS-6Z	●	M6×0.75		20.5	10	5.5	3	6.0	
	FDS-8	●	M8×1		26		10	4	8.0	
	FDS-8S	●			20	8	8			
	FDS-8SS	●			18.5		6.5			
 Hex. socket screw (Flat end)(JISB1177)	SSHM3-3		M3		3			1.5	1.0	TAC External Toolholders THC-type (former product) Tooling Systems TAC Cartridge PN-type TAC Cartridge CP-type TAC Cartridge CE-type TAC Cartridge SP-type TAC Cartridge PNE-type TAC Internal Toolholders Stream Jet Bar mini
	SSHM3-6				6					
	SSHM4-4			M4		4				
	SSHM4-6				6					
	SSHM4-8				8					
	SSHM4-10				10					
	SSHM4-14				14					
	SSHM5-6	●	M5		6			2.5	2.0	
	SSHM5-10	●			10					
	SSHM5-16				16					
	SSHM6-12	●	M6		12			3	3.0	
	SSHM6-16				16					
	SSHM6-18	●			18					
	SSHM6-20	●			20					
	SSHM8-8	●	M8		8			4	5.0	
	SSHM8-10	●			10					
	SSHM8-12	●			12					
	SSHM8-14	●			14					
	SSHM8-16	●			16					
	SSHM8-18	●			18		14			
 Hex. socket screw (Cylindrical end)(JISB1177)	M5×7	●	M5		7		-	2.5	2.0	
	M5×8	●		3.5	8	1.25	-			
	M5×10	●			10		-			
	M6×30	●	M6	4	30	1.5	-	3	3.0	
	JDS-3525	●	M3.5x0.35	M2.5 x0.45	7.5	3	2.5	2	1.0	TAC Toolholders JT-type (Back clamping type)
	JDS-5040	●	M5x0.5	M4 x0.7	10	4	4	2.5	1.0	

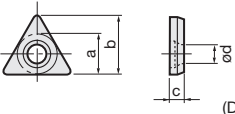
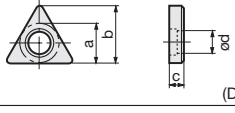
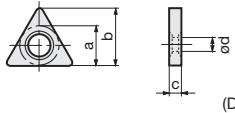
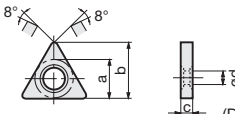
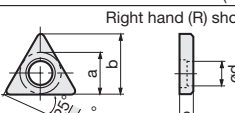
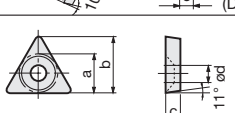
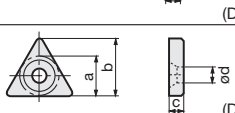
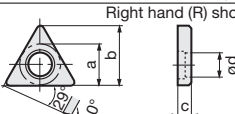
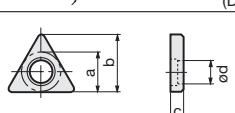
● : Stocked items.

Screws

Shape	Part Cat. No.	Stock	Dimensions (mm)						Torque (N·m)	Applicable Tools
			a	b	c	d	e	T / f		
 LCS2 has a hex. socket in threaded end only.	LCS2	●	M5	5	14	6.5		2	1.5	TAC External Toolholders P-type MS-type TAC Internal Toolholders P-type Tooling Systems TAC Cartridge PN-type
	LCS3	●	M6	6	17			2.5	2.0	
	LCS3B	●			15					
	LCS4	●	M8	8	21	9.6	3	3.0		
	LCS4K	●								
	LCS4CA	●			17.5	6.5				
	LCS5	●			25					
	LCS5CA	●			20.5	8.5				
	LCS6	●	M10	9.8	27.2	9.9		4	5.0	
	LCS8	●	M12	11.8	36	12.8		5	8.0	
LCS8C	●	M10	9.8	30.2	13.3		4	5.0		
	LCS22	●	M5	M5	10	4.7		2	1.5	TAC Toolholders P-type
	LCS22A	●	M6	M6	10.7					
	LCS33	●	M5	M5	12	6.2				
	LCS43	●	M6	M6	13.5	7.3		2.5	2.0	
	DTS5-3.5	●	M5	6.3	8.65	M3.5		3.5	4.0	TAC External Toolholders S-type (35° Rhombic) TAC Internal Toolholders S-type TAC Grooving & Parting Tools CNG-type TAC Threading Tools ST-type Tooling Systems TAC Boring Bar Tools TAC Mill, TAC Endmill series
	DTS5-3.5SS	●			6.8					
	DTS5-3.5S	●			7					
	DTS6-4	●	M6	7.7	10.2	M4		4	5.0	
	DTS6-4.5	●		7.5	10	M4.5		4.5	6.5	
	DLCS33	●	M5	9	31.5	10		3	3.0	TAC Threading Tools ST-type Tooling Systems TAC Boring Bar Tools TAC Mill, TAC Endmill series
	DLCS43	●	M6	12	34	9.5		4	5.0	
	DLCS54	●	M8x1	14	41	11				
	DLCS64	●	M10x1	16	50	15		5	8.0	
	ACS-5W	●	M5	8	20	8.5		T15	4.0	TAC Toolholders D-type
	ACS-6W	●	M6	10	26	12.1		T20	6.4	
	ACS3	●	M5x0.8	7.5	25.6	12-15		3	4.0	TAC Toolholders Turning A A-type
	ACS4	●	M6x1	9	27.7	14-17		4	7.0	
	WCS3	●	M6	9.5	22.5	8		3	3.0	TAC Toolholders A-type
	PT1/4GN	●		13.175	10	-		6	9.5	Oil Hole Plugs for TAC Drills TAD (Former products) TDX
	1/8-28	●		9.728	7	-		5	8.0	
		●								
	LS-8		M8	6	33	20		4	5.0	TAC Toolholders H-type
	CCS4-A	●								TAC Toolholders C-type for dimple ceramic inserts
	BH5-10-A	●								
	BH4-10-A	●								
	BH-40050-A	●								
 	TMBA-M10	●	M10x1.5	27	30	21		8	40.0	
	TMBA-M12	●	M12x1.75	33	36	26		10	70.0	
	TMBA-M12H	●	M12x1.75		34.5			8		
	TMBA-M16	●	M16x2	40	50	40		14	100.0	
	TMBA-M16H	●	M16x2							
	TMBA-M20	●	M20x2.5	50	56	42		17	150.0	
	TMBA-M20H	●	M20x2.5							
	TMBA-M24	●	M24x3	65	69	55		19	150.0	
	TMBA-M24H	●	M24x3							
	TMBA-0.500H	●	1/2-20UNF	33	33.9	25.4		7.94	70.0	
TMBA-0.750H	●	3/4-16UNF	50	58.28	47.28		12.7	150.0		

● : Stocked items.

Shims

Shape (Carbide grade)	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			a	b	c	ød		
 (D30)	AST322	●	9.3	13.2	3.2	4.4		TAC Toolholders Turning A A-type
	AST422	●	12.5	18	3.2	4.4		
 (D30)	MST-322	●	9.1	12.9	3.24	5.8		TAC Toolholders M-type
	MST-432	●	12.5	17.9	4.8	7.3		
	MST-533		15.6	22.2		9.7		
	MST-644		18.8	26.6	6.4	11.3		
 (D30)	LST317	●	9.3	13.2	2.7	5		TAC Toolholders A-type D-type P-type MS-type
	LST42	●	12.5	18	3.2	6.7		
	LST53	●	15.7	22.3	4.8	7.7		
	LST42K	●	10.9	15.6	3.2	6.7		
 (D30)	LST317CA	●	9.3	13.2	2.7	5		Tooling Systems TAC Cartridge P-type (former product) TAC Cartridge PN-type
	LST42CA	●	12.5	18	3.2	6.7		
 (D30)	ELST42	●	11.5	16.5	3.2	6.5		TAC Toolholders P-type
	ELST317	●	8.5	12	2.7	4.9		
	ELST317BR	●						
	ELST317BL	●						
 (D30)	PAT-32	●	8.2	11.7	3.2	3.5		TAC External Toolholders C-type (positive) TAC Internal Toolholders C-type (positive)
	PAT-53*	●	13.4	19.8	4.8	5		
 (D30)	NAT-32	●	9.5	13.4	3.2	3.5		TAC Toolholders C-type
	NAT-42E							
 (D30)	LST317BR	●	9.3	13.2	2.7	5		TAC Internal Toolholders P-type
	LST317BL	●						
 (D30)	SST32	●	8.5	11.9	3.2	5.4		TAC Toolholders S-type

Note: * marked shims are made of steel.

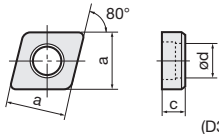
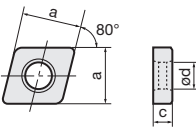
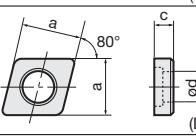
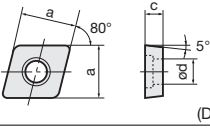
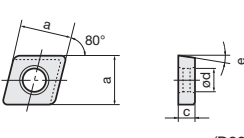
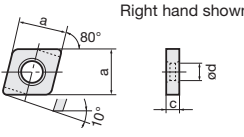
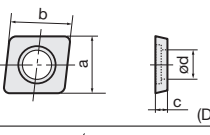
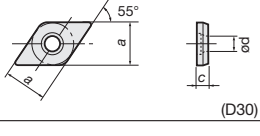
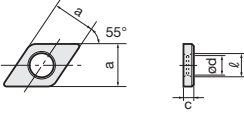
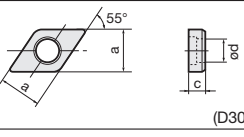
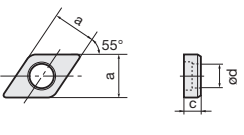
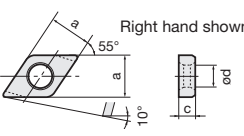
● : Stocked items.
▲ : Shortly unavailable

Shims

Shape (Carbide grade)	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			a	b	c	ød	e	
 (D30)	ASS422	●	12.5		3.2	4.4		TAC Toolholders Turning A A-type
 (D30)	ASS533	●	15.7		4.8	5.5		
	ASS634	●	18.9					
 (D30)	ELSS32	●	8.5		3.2	4.9		TAC Toolholders P-type A-type D-type
	LSS33	●	9.3		4.3	5		
	ELSS42	●	11.7		3.2	6.5		
	LSS42	●	12.5		3.2	6.7		
	ELSS53		14.7		4.8	8		
	LSS53	●	15.7			7.7		
	ELSS63	●	17.9			9.7		
	LSS63	●	18.9					
	ELSS84	●	24.2		6.4	12.9		
	LSS84	●	25.2		6.4	13.1		
 (D30)	NAS-42	●	12.7		3.2	3.5		TAC Toolholders C-type H-type
	NAS-04	●	31.5		6.4	9.1		
 (D30)	MSS-432	●	12.5		4.8	7.3		TAC Toolholders M-type
	MSS-442	●			6.4			
 (D30)	SSS32		8.5		3.2	5.4		TAC Toolholders S-type
 (D30)	LSS42BR	●	12.5		3.2	6.7		TAC Internal Toolholders P-type
	LSS42BL	●						
 (D30)	PAS-32	●	8.2		3.2	3		TAC External Toolholders C-type (positive) HP-type (former product) TAC Internal Toolholders C-type (positive) Tooling Systems TAC Cartridge C-type (former product) TAC Cartridge CP-type
	PAS-42	●	11.4			3.5		
	PAS-63*	●	17		4.8	5		
 (D30)	LSS42CA	●	12.5		3.2	6.7	8°	Tooling Systems TAC Cartridge P-type (former product) TAC Cartridge PN-type
	LSS53CA	●	15.7		4.8	7.7	10°	
 (D30)	FSSA1102	●	11.6		2	5.5	13°	TAC Mills TAW13 / EAW13
 (D30)	FSSP1102	●	11		2	5.5	17°	TAC Mills TPW13 / EPW13
 (D30)	ASC422	●	12.5		3.2	4.4		TAC Toolholders Turning A A-type
	ASC533	●	15.7		4.8	5.5		
	ASC634	●	18.9					

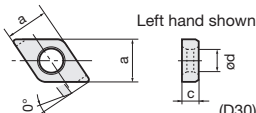
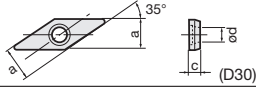
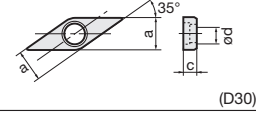
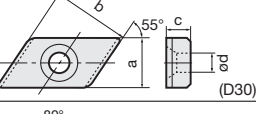
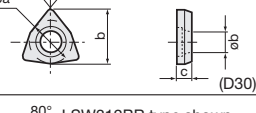
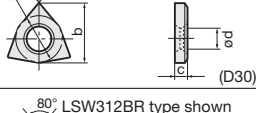
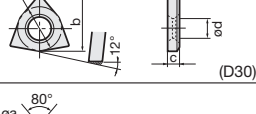
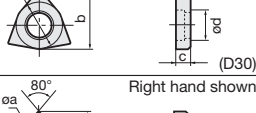
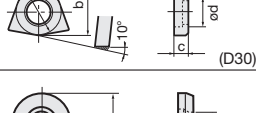
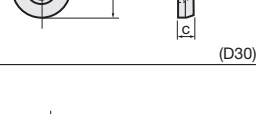
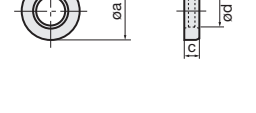
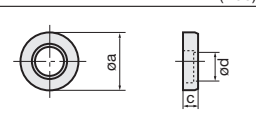
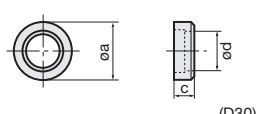
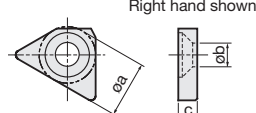
Note: * marked shims are made of steel.

● : Stocked items.

Shape (Carbide grade)	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			a	b	c	ød	e	
 (D30)	MSC-432	●	12.5		4.8	7.3		TAC Toolholders M-type
	MSC-442	●			6.4			
	MSC-533	●	15.6		4.8	9.7		
	MSC-543	●			6.4			
	MSC-634	●	18.8		11.3			
 (D30)	ELSC32	●	8.5	3.2	6.2	6.5	TAC Toolholders P-type D-type A-type	
	LSC42	●	12.5					
	ELSC42	●	11.7					
	LSC53	●	15.7	4.8	7.7	9.7		
	ELSC53	●	14.7		8.1			
	ELSC63	●	17.9					
	LSC63	●	18.9					
 (D30)	SSC32	●	8.5		3.2	5.4	TAC Toolholders S-type	
	SSC4T3	●	11.4		4	6.6		
 (D30)	SSC4T3-P	●	11.4	4	6.6		Tooling Systems TAC Boring Bar Tools	
	SSC54-P	●	13.4					
 (D30)	LSC42CA	●	12.5		3.2	6.7	8°	Tooling Systems TAC Cartridge P-type (former product) TAC Cartridge PN-type
	LSC53CA	●	15.7		4.8	7.7	10°	
 (D30)	LSC42BR	●	12.5		3.2	6.7		TAC Toolholders P-type
	LSC42BL	●						
 (D30)	ZSA1102	●	10.5	11	2	5.475		TAC Mills
	ZSA1502	●	15.6	12.4		6		
 (D30)	ASD423	●	12.5		3.2	4.4		TAC Toolholders Turning A A-type
	ASD432	●	12.5		4.8	4.4		
 (D30)	ELSD32	●	8.5		3.2	4.9		TAC Toolholders P-type D-type A-type
	ELSD42	●	11.7			6.5		
	LSD42	●	12.5			6.7		
	LSD42A							
	LSD43	●		4.8				
	LSD43A							
 (D30)	MSD-322	●	9.3		3.2	5.8		TAC Toolholders M-type
	MSD-432	●	12.5		4.8	7.3		
	MSD-442	●			6.4			
 (D30)	SSD32	●	8.5		3.2	5.4		TAC Toolholders S-type
 (D30)	ELSD317BR	●	8.5		2.7	4.9		TAC Internal Toolholders P-type
	ELSD317BL	●						
	LSD42BR	●	12.5		3.2	6.7		
	LSD42BL	●						

● : Stocked items.

Shims

Shape (Carbide grade)	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			øa	b	c	ød		
	LSZ42BR	●	12.5		3.2	6.7		TAC Internal Toolholders P-type
	LSZ42BL	●						
	ASV322	●	9.3		3.2	4.4		TAC Toolholders Turning A A-type
	MSV-322	●	9.26		3.2	5.8		TAC External Toolholders M-type S-type TAC Internal Toolholders S-type
	SSV32	●	8.4			5.4		
	SSV42	●	11			6.3		
	CSK54R	●	9.4	14.8	4.8	3.5		TAC Toolholders C-type
	CSK54L	●						
	ASW322	●	9.33	11.5	3.2	4.4		TAC Toolholders Turning A A-type
	ASW422	●	12.5	15.2				
	LSW312	●	9.33	11.5	2.7	5		TAC Toolholders D-type A-type
	LSW42	●	12.5	15.5	3.2	6.7		
	LSW312BR	●	9.33	11.5	2.7	5		TAC Internal Toolholders P-type
	LSW312BL	●						
	MSW-432	●	12.8	15.8	4.8	7.3		TAC Toolholders M-type
	MSW-533	●	16	19.7		9.7		
	MSW-633	●	19.2	23.7		11.3		
	MSW-432BR	●	12.8	15.8	4.8	7.3		TAC Internal Toolholders M-type
	MSW-432BL	●						
	ASR420	●	12.5		3.2	4.4		TAC Toolholders Turning A A-type
	LSR32	●	8.9		3.2	5		TAC Toolholders P-type D-type
	LSR32C	●	8.4			6.7		
	LSR42	●	12.1			5		
	LSR42C	●	9.9		4.8	6.7		
	LSR53C	●	14			8.2		
	LSR63C	●	17.2			9.7		
	MSR-43	●	12.5		4.8	7.3		TAC Toolholders M-type
	MSR-44	●			6.4			
	SSR32	●	8.7		3.18	5.2		TAC Toolholders S-type
	G16EL/IR	●	9.5	-	3.2	4		Grooving tools GTGN
	G16ER/IL	●			3.2			
	G16EL/IR-DT	●			3.97			
	G16ER/IL-DT	●			3.97			

● : Stocked items.

Shape (Carbide grade)	Part Cat. No.	Stock	Dimensions (mm)			Applicable Tools
			øa	ød	Lead angle	
	AE16-4DT	●	9.5	5.4	4°	TAC Threading Tools ST-type
	AE16-3DT	●		5.4	3°	
	AE16-2DT	●		5.4	2°	
	A16-1DT	●		5.4	1°	
	AE16-0DT	●		5.4	0°	
	AE16-99DT	●		5.4	-1°	
	AE16-98DT	●		5.4	-2°	
	AE16-4	●		4	4°	
	AE16-3	●		4	3°	
	AE16-2	●		4	2°	
	A16-1	●		4.3	1°	
	AE16-0	●		4	0°	
	AE16-99	●		4	-1°	
	AE16-98	●		4	-2°	
	AN16-4DT	●	9.5	5.4	4°	
	AN16-3DT	●		5.4	3°	
	AN16-2DT	●		5.4	2°	
	AN16-0DT	●		5.4	0°	
	AN16-99DT	●		5.4	-1°	
	AN16-98DT	●		5.4	-2°	
	AN16-4	●		4	4°	
	AN16-3	●		4	3°	
	AN16-2	●		4	2°	
	AN16-0	●		4	0°	
	AN16-99	●	9.5	4	-1°	
	AN16-98	●		4	-2°	
	GXE16-98	●		4.0	-2°	
	GXE16-98DT	●		5.4	-2°	
	GXE16-99	●		4.0	-1°	
	GXE16-99DT	●		5.4	-1°	
	GXE16-0	●		4.0	0°	
	GXE16-0DT	●		5.4	0°	
	GXE16-1	●		4.3	1°	
	GX16-1DT	●		5.4	1°	
	GXE16-2	●		4.0	2°	
	GXE16-2DT	●		5.4	2°	
	GXE16-3	●		4.0	3°	
	GXE16-3DT	●		5.4	3°	
	GXE16-4	●		4.0	4°	
	GXE16-4DT	●		5.4	4°	
	GXE22-98DT	●	12.7	6.6	-2°	
	GXE22-99DT	●			-1°	
	GXE22-0DT	●			0°	
	GX22-1DT	●			1°	
	GXE22-2DT	●			2°	
	GXE22-3DT	●			3°	
	GXE22-4DT	●			4°	
	GXN16-98	●	9.5	4.0	-2°	
	GXN16-98DT	●		5.4	-2°	
	GXN16-99	●		4.0	-1°	
	GXN16-99DT	●		5.4	-1°	
	GXN16-0	●		4.0	0°	
	GXN16-0DT	●		5.4	0°	
	GXN16-1	●		4.3	1°	
	GXN16-2	●		4.0	2°	
	GXN16-2DT	●		5.4	2°	
	GXN16-3	●		4.0	3°	
	GXN16-3DT	●		5.4	3°	
	GXN16-4	●		4.0	4°	
	GXN16-4DT	●		5.4	4°	
	GXN22-98DT	●	12.7	6.6	-2°	
	GXN22-99DT	●			-1°	
	GXN22-0DT	●			0°	
	GXN22-2DT	●			2°	
	GXN22-3DT	●			3°	
	GXN22-4DT	●			4°	

(D30)

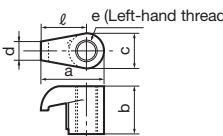
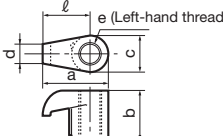
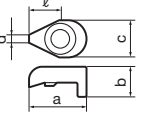
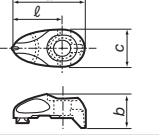
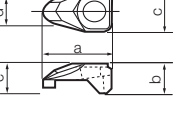
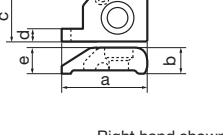
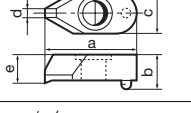
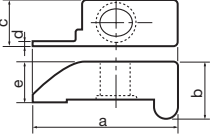
● : Stocked items.

Technical drawing of a steel angle. The main view shows a side profile with a horizontal leg of length 31.5, a vertical leg of height 11, and a 30° angle at the bottom right. A cross-section view on the right shows a T-shaped profile with a top flange of width 38, a web of width 5, and a total height of 7.

(Steel) Right hand shows

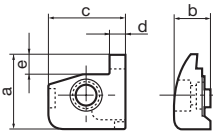
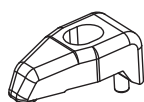
14-12

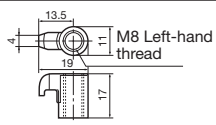
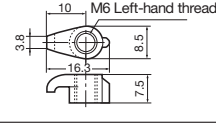
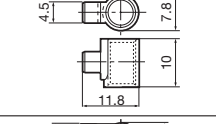
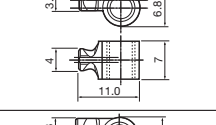
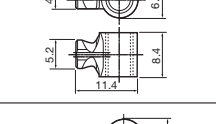
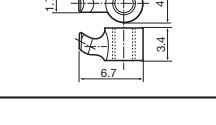
Clamps

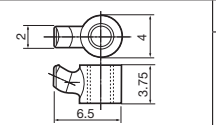
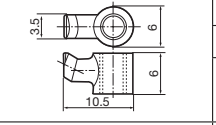
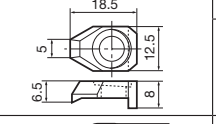
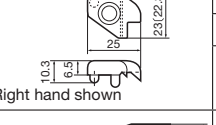
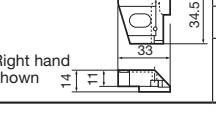
Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	d	e	ℓ	
	MCL-5M	●	14.7	11	7.8	4	M5	10.8	TAC Toolholders M-type (former product)
	MCL-6	●	18.6	11.5	9.5		M6	13.8	
	MCL-8S	●	19.1	13.5	10.9	5	M8	13.6	
	MCL-8M	●	22.5					17	
	MCL-8L	●	25.5	14.5		4		20	
	MCPM-6	●	14.7	11.2	7.9	4	M5	10.8	TAC External Toolholders M-type TAC Internal Toolholders M-type
	MCPM-9	●	19.1	16.8	10.9	5	M8×1	13.6	
	MCPM-12	●	22.5					17	
	MCPM-20	●	18.6	9.5	9.5	4	M6	13.8	
	MCPM-21	●		12.2					
	MCPM-22	●	21.5	13.2				16.7	
	MCPM-30	●	25.5	16.8	10.9	5	M8×1	20	
	DCPM-33	●	16	9.3	10.5	2.4		8.5	TAC Toolholders D-type
	DCPM-43	●	21.2	11.5	13.5	3		13.2	
	DCPM-54	●	25.8	15.25	14	3.5			
	DCPM-64	●	28.4	15.5	16	4			
	ACP3S	●	22.8	9.5	10			15.0	TAC Toolholders Turning A A-type
	ACP3L	●	31.3	12	13			23.3	
	ACP4S	●	25.7	12	13			17.7	
	ACP5S	●	30.1	12.9	15	-	-	20.7	
	ACP6S	●	33.4	12.8	16.5	-	-	24.0	
	ACP3	●	17.9	10	10	6.5	6.3		TAC Toolholders A-type
	ACP4	●	25.9	13.9	12	7	10.8		
	CTC-3R	●	29	8.8	16	2.2	8		TAC Grooving & Parting Tools CTW-type
	CTC-3L	●							
	CTC-4R	●			17	3.2			
	CTC-4L	●							
	CTC-5R	●			18	4.2			
	CTC-5L	●							
	CP81A	●	28	10.5	12	3.5	8		TAC Grooving & Parting Tools GX-type (Note) CP81A: With pusher "BP-3" (Note) CP81B: With pusher "BP-0"
	CP81B	●							
	TC-3	▲	19	12.5	8.3	-	-	-	TAC Toolholders THC-type (former product)
	TC-4	▲	21.6		8				
	CCR2	●	34.7	14.9	10.7	1.2	10.5		TAC Grooving & Parting Tools CGD-type
	CCL2	●							
	CCR3	●				2.2			
	CCL3	●							
	CCR4	●				2.8			
	CCL4	●							
	CCR5	●				3.2			
	CCL5	●							
	CCR6	●				3.9			
	CCL6	●							
	CCR8	●				4.9			
	CCL8	●							

● : Stocked items.
▲ : Shortly unavailable

Clamps

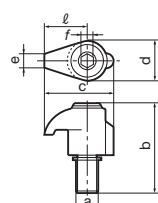
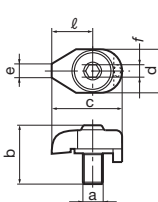
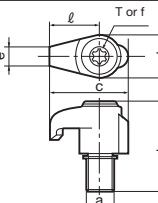
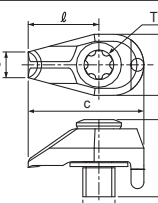
Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools				
			a	b	c	d	e						
 Right hand shown	CFG-3SR	●	22	11	23.1	2	6		TAC Grooving & Parting Tools CFGS-type CFGT-type				
	CFG-3SL	●											
	CFG-4SR	●				3	16						
	CFG-4SL	●											
	CFG-4DR	●	32			4	6						
	CFG-4DL	●											
	CFG-5SR	●	22			5	7						
	CFG-5SL	●											
	CFG-5DR	●	32			7	17						
	CFG-5DL	●											
	CFG-6SR	●	23		27.1	7	8						
	CFG-6SL	●											
	CFG-6DR	●	33			18							
	CFG-6DL	●											
	CFG-8SR	●	28										
	CFG-8SL	●											
	CFG-8DR	●	38										
	CFG-8DL												
	CCP4-A	●							TAC Toolholders C-type for dimple ceramic inserts				

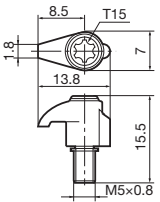
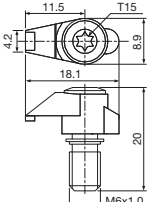
Shape	Part Cat. No.	Stock	Applicable Tools
	NF-84A	●	TAC Toolholders C-type
	CP536	●	TAC Mills
	CP91	●	TAC Threading Tools TT-type
	CP900	●	TAC Grooving Tools TGTS-type TGTT-type
	CP910	●	TAC Grooving Tools TGTS-type TGTT-type
	JCP-1	●	TAC Toolholders JT-type

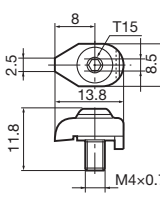
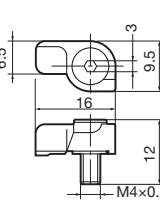
Shape	Part Cat. No.	Stock	Applicable Tools
	JCP-2	●	TAC Toolholders JT-type
	JCP-3 JCP-3N	●	
	CQ-1	●	TAC Toolholders Q-type (Former toolholders for PCD and PCBN)
	CPK5R CPK5L	● ●	TAC Toolholders C-type (Be used KNMX inserts)
	C11R-5 C11L-5	● ●	TAC Toolholders HP-type (former product)

● : Stocked items.

Clamp Sets

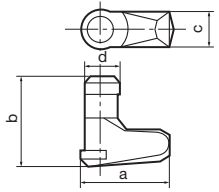
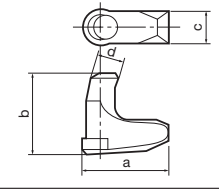
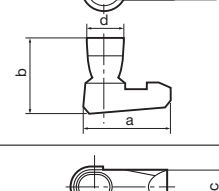
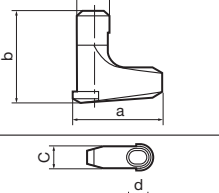
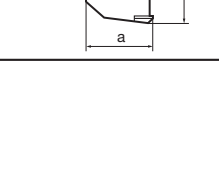
Shape	Part Cat. No.	Stock	Dimensions (mm)							Applicable Tools
			a	b	c	d	e	ℓ	T	
	CSG-5S	●	M5×0.8	13.5	13.8	7	1.8	8.5	2.5	TAC External Toolholders C-type (positive) TAC Internal Toolholders C-type Tooling Systems TAC Cartridge CP-type
	CSG-5	●		15.5						
	CSG-6S	●	M6×1	18	16.3	8.5	2.5	10	3	
	CSG-6	●		21.5						
	CSG-6L	●		21						
	CSG-8S	●	M8×1	23.5	20.5	11	3.5	12.5	4	
	CSG-8	●		21						
	CSW-00	●	M4×0.7	11.5	12	8	2	7.5	2.5	TAC External Toolholders C-type TAC Internal Toolholders C-type TAC Grooving & Parting Tools CGX-type Tooling Systems TAC Cartridge CE-type
	CSW-1	●	M5×0.8	16.5	16.5	9.5	4	10		
	CSW-0	●	M4×0.7	11.5	13.8	8.5	2.5	8	4	
	CSW-2	●	M6×1	20	20.5	11	6	13		
	CSW-40	●	M4×0.7	12	13.2	8	2	7.5	2.5	
	CSW-50	●	M5×0.8	15	16.9	10		9.5	3	
	CSP 16	●	M5×0.8	15.5	14.4	6.9	3.2	9.1	T15	Threading Tools ST-type
	CSP 22	●	M6×1	20	18.1	8.9	4.2	11.5	T20	
	CSP 27	●	M8×1	23.5	24.4	11.9	3.9	15.6	4	
	CSY-15	●	M4×0.7	11.6	11.5	7	3	6	15IP	
	CSY-20	●	M5×0.8	12	18	9.5	4	11	20IP	

Shape	Part Cat. No.	Stock	Applicable Tools
	CSG-5T	●	TAC Mills
	CSX20	●	TAC Mills

Shape	Part Cat. No.	Stock	Applicable Tools
	CSW-0T	●	TAC Mills
	CSL-4	●	TAC Mills

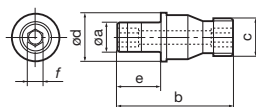
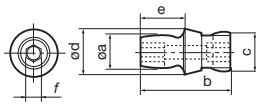
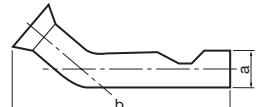
● : Stocked items.

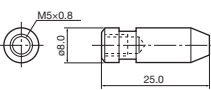
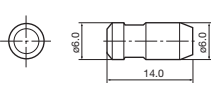
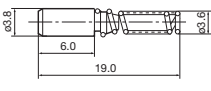
Levers

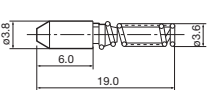
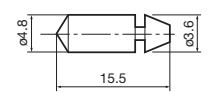
Shape	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			a	b	c	d		
	LCL3	●	10	12	3.7	3.6		TAC External Toolholders
	LCL4	●	14.6	14	4.7	4.7		P-type
	LCL5	●	17.1	17	6	6		MS-type
	LCL6	●	20.5	21	7.5	7.5		TAC Internal Toolholders
	LCL8	●	25.4	25.4	8.6	8.6		P-type
								Tooling Systems TAC Cartridge PN-type
	LCL3C	●	10.8	11.8	3.4	3		TAC Toolholders
	LCL4C	●	13	13.4	3.7	3.4		P-type
	LCL5C	●	18.6	17.7	4.7	4.5		
	LCL6C	●	20.5	19	6	5.7		
	LCL8C	●	24.2	23.5	7.5	6.2		
	LCL22N	●	7.5	6.5	2.6	2.06		TAC Internal Toolholders
	LCL32N	●	10	7.8	3.2	3.2		P-type
	LCL33NL	●	11.5	9.5	3.1	3.6		Tooling Systems
	LCL33N	●	10	9.4	3.2	3.2		TAC Cartridge PN-type
	LCL43N	●	13.4	10	4.7	4.7		TAC Cartridge PNE-type
	LCL33	●	10.1	12.1	3.6	3.7		TAC External Toolholders
	LCL33L	●	12	11.5	3.1	3.6		P-type
	LCL43S	●	13.5	13.2	4.7	4.7		D-type
	LCL43M	●						TAC Internal Toolholders
	LCL44	●	16.1	14.6	4.7	4.7		P-type
	LCL54	●	16.5	17.2	6.1	6		
	DLCL43	●	15.55	14	5	4.7		TAC Toolholders
	DLCL54	●	19.1	19.1	6.1	6		D-type
	DLCL64	●	21.5	21	7.5	7.5		

● : Stocked items.

Pins

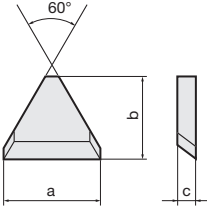
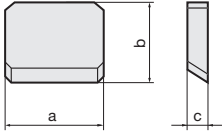
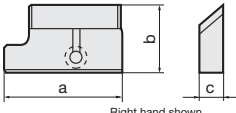
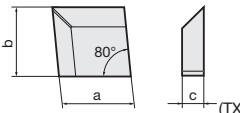
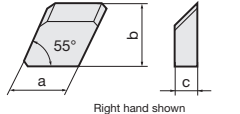
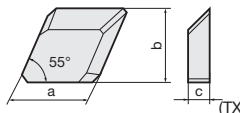
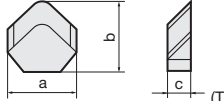
Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			øa	b	øc	ød	e	f	
	MLP32L	●	3.9	8.8	M5×0.8	5.6	3.5	2	TAC External Toolholders M-type TAC Internal Toolholders M-type
	MLP33		3.7						
	MLP34L	●	3.7	13.1	M6.3×1	7.8	5.5	2.5	
	MLP46	●	5	17.2					
	MLP46L	●		18.6	M8×1	10.3	6.9	3	
	MLP58	●	6.2	21.9					
	MLP68	●	7.8	24.1	M10×1	11.9	9.1	4	
	MLP68L								
	MLP44	●	5	13.2	M6.3×1	7.1	5.5	2.5	TAC Internal Toolholders M-type
	MLP33L	●	3.7	10.4	M5×0.8	5.6	5.1	2	
	SW99	●	8	47.5					TAC Toolholders
									H-type (for heavy cutting)

Shape	Part Cat. No.	Stock	Applicable Tools
	SP-8		TAC Mills TAC Mill LS-series
	SP-6	●	TAC Mills MKS1000 (former product)
	BP-3	●	TAC Grooving & Parting Tools GX-type

Shape	Part Cat. No.	Stock	Applicable Tools
	BP-360	●	TAC Grooving & Parting Tools CTW-type
	BP-490	●	TAC Toolholders C-type (CK□NR/L-type)

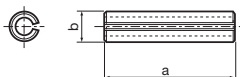
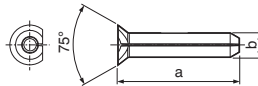
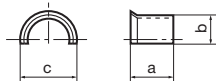
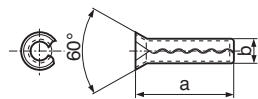
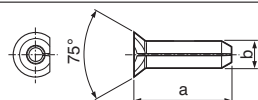
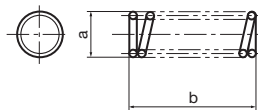
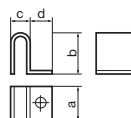
● : Stocked items.

Chipbreaker Pieces

Shape (carbide grade)	Part Cat. No.	Stock	Dimensions (mm)				Applicable Tools
			a	b	c		
 (TX30)	CBT-2S	●	8.8	7.6	2		TAC Toolholders M-type C-type (negative) C-type (positive) Tooling Systems TAC Cartridge CP-type TAC Cartridge CE-type
	CBT-2M	●	7.4	6.6			
	CBT-3S	●	13.3	12.1	2.5		
	CBT-3M	●	12.3	11.1			
	CBT-3L	●	11.3	10.1			
	CBT-4S	●	18.8	16.9			
	CBT-4M	●	17.8	15.9			
	CBT-4L	●	16.8	14.4			
	NCT-2S		14.2	11.8			
	NCT-2M	●	13	10.8			
	NCT-2L		11.9	9.8			
 (TX30)	CBS-3S	●	9.5	8.3	2		TAC Toolholders M-type C-type (negative) C-type (positive) Tooling Systems TAC Cartridge CP-type TAC Cartridge CE-type
	CBS-3M	●		7.3			
	CBS-4S	●	12.7	11.6	2.5		
	CBS-4SN	●					
	CBS-4M	●		10.6			
	CBS-4L	●		9.1			
	NCS-3S			11.2			
	NCS-3M	●		10.2			
	NCS-3L			8.7			
 (TX30)	B11 R-5	●	24	13	5		TAC Toolholders HP-type (former products)
	B11 L-5	●					
 (TX30)	CBS-4SN	●	11.5	11.5	2.5		TAC Toolholders M-type C-type (negative)
	CBS-4MN	●	10.5	10.5			
	CBS-4LN	●	9	9			
	NCS-3SN		11.2	11.2			
	NCS-3MN	●	10.2	10.2			
	NCS-3LN		8.7	8.7			
 (TX30)	CBC-4SN	●	11.5	11.5	2.5		TAC Toolholders M-type
	CBC-4MN	●	10.5	10.5			
	CBC-4LN	●	9.5	9.5			
 (TX30)	CBD-4SR	●	12.7	11.5	2.5		TAC Toolholders M-type
	CBD-4MR	●		10.5			
	CBD-4ML	●					
	CBD-4LR			9.5			
 (TX30)	CBD-4SN	●	11.5	11.5	2.5		TAC Toolholders M-type
	CBD-4MN	●	10.5	10.5			
 (TX30)	CBR-4SN	●	12.7	11.9	2.5		TAC Toolholders M-type
	CBR-4MN	●		10.9			

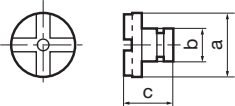
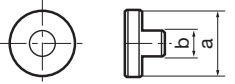
● : Stocked items.

Springs (Springs for Shims)

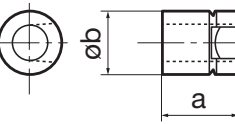
Shape (carbide grade)	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	d			
	SP-2.5	●	12	2.7					TAC Toolholders Turning A A-type
	SP-16-L14	●	13.6	2.85					TAC Toolholders TurnTec
	LSP3	●	5.5	3	5.9				TAC External Toolholders
	LSP3L	●	7						P-type
	LSP4	●	4	7.6				D-type	
	LSP4S	●			6				A-type
	LSP5	●	8.5	4.5	8.8			MS-type	
	LSP6	●	11	5.9	10.9			TAC Internal Toolholders P-type	
	LSP6C	●	8.5	4.8	9.3			Tooling System	
	LSP8	●	12	10	15.4				TAC Cartridge PN-type
	PSP-2.5	●	10	2.7					TAC Toolholders
	PSP-4.0	●	16	4.2					HP-type (former products)
	PSP301	●	7.6	3					THC-type (former products)
									C-type (former products)
	PSP-16	●	9.75	2.85					TAC Toolholders TurnTec
	BP-0	●	3.6	13					TAC Toolholders
	BP-5-A								C-type (Be used KNMX inserts)
	BP-7	●	7	11					D-type
	BP-8.8	●	8.8	10					A-type
	BP-9	●	8.3						C-type for dimple ceramic inserts
	BP-10	●	9.1						TAC Grooving & Parting Tools
	SP913	●	9	13					CGD-type
									GX-type
									CFGS-type
									CFGT-type
	BSP-1	●	7.8	7.5	4.8	6			Adapters for TAC Boring Tools

● : Stocked items.

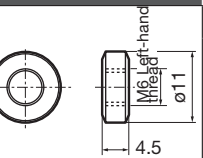
Coolant Supply Attachment

Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	Thread			
	EA-20	●	20	10	15				TAC Internal Toolholders
	EA-25	●	25						
	EA-32	●	32	16					
	CA-16	●	16	8		M6			TAC Grooving & Parting Tools TungCut
	CA-20	●	20	8.5		M6			
	CA-25	●	25	11.5		R1/8			
	CA-32	●	32	11.5		R1/8			
	CA-40	●	40	11.5		R1/8			

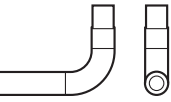
Pistons

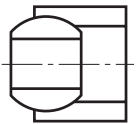
Shape	Part Cat. No.	Stock	Dimensions (mm)					Applicable Tools
			a	øb				
	DPIS33	●	12.6	9				TAC Toolholders D-type
	DPIS43	●	11.8	10				
	DPIS44	●	13.4	10				
	DPIS54	●	16	13				
	DPIS64	●		15				

Nuts

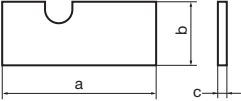
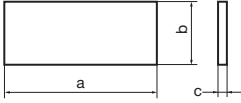
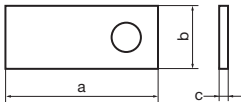
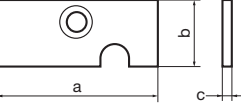
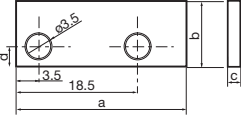
Shape	Part Cat. No.	Stock	Applicable Tools
	SRW11		TAC Mills Adjusting wedge for TFP4000I (Former product)

Coolant Pipe & Nozzle

Shape	Part Cat. No.	Stock	Applicable Tools
	PNZ5	●	TAC Grooving & Parting Tools TungCut

Shape	Part Cat. No.	Stock	Applicable Tools
	CNZ125	●	TAC Grooving & Parting Tools TungCut

Sizing Plates

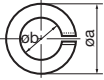
Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	d			
	S0816A		55	15.5	0.8				Tooling Systems TAC Cartridge PN-type TAC Cartridge CP-type
	S1016A		55		1				
	S0816B	●	50		0.8				
	S1016B	●	50		1				
	S0816C		45		0.8				
	S1016C		45		1				
	S0820A		61	19.5	0.8				
	S1020A		61		1				
	S0820B	●	54.5		0.8				
	S1020B	●	54.5		1				
	SM-00	●	18	8	1				
	SW04	●	25.5	5.8	0.25				TAC Drills TDP
					0.5				
					1				
	SW05	●	37	8.3	0.25				
	SW06	●	36	10.8	0.5				
	SW08	●	35.5	12.3	2				Tooling Systems TAC Cartridge P-type, C-type (Former products)
	S0810	●	40	11	0.8				
	S1010	●	40	11	1				
 Attached with fix screw and wrench.	PSTR08	●	24	11	1.5				Tooling Systems TAC Cartridge PN-type TAC Cartridge CP-type TAC Cartridge CE-type TAC Cartridge SP-type TAC Cartridge PNE-type
	PSTL08	●	24	11	1.5				
	PSTR10	●	42	16.5	2				
	PSTL10	●	42	16.5	2				
	PSTR12	●	47	19	2				
	PSTL12	●	47	19	2				
	AP0801	●	26	9.5	0.5	3			TAC Drills TungDrillBig
	AP0802	●			1				
	AP0803	●			1.5				
	AP0804	●			2				
	AP0805	●			2.5				
	AP1101	●	30	11.5	0.5	5			
	AP1102	●			1				
	AP1103	●			1.5				
	AP1104	●			2				
	AP1105	●			2.5				
	AP1106	●			3				

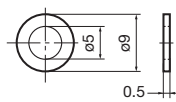
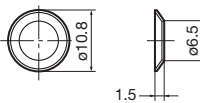
SW04 is composed of three plates and SW05 to SW08 are composed of four plates.

Note on fixing screws: PSTR/L08 is attached with CSSM2-4 and other types are attached with CSHM3-8.

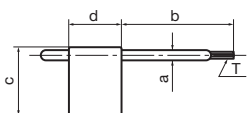
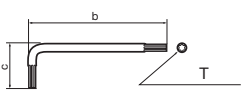
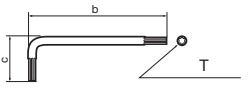
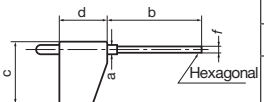
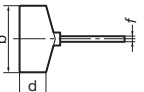
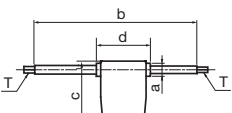
● : Stocked items.

Washers

Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			øa	øb					
	VA4	●							TAC Mills
	VA5	●							
	VA6	●	10.5	6.1					

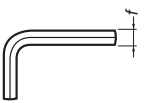
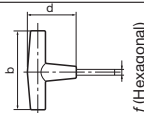
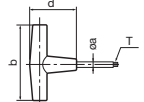
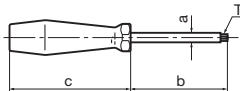
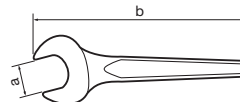
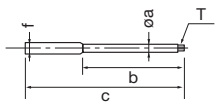
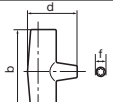
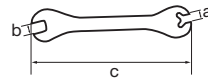
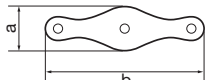
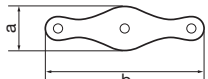
Shape	Part Cat. No.	Stock	Applicable Tools
	CPW5	●	TAC Grooving & Parting Tools CFGS-type
	CDW6	●	TAC Grooving & Parting Tools CTW-type

Wrenches and Drivers

Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	d	f	T	
	CRW23	●							TAC Grooving & Parting Tools TungCut
	CRW33	●							
	T-6F	●	1.7	34.5	15	15		T6	TAC Toolholders TAC Grooving & Parting Tools TAC Threading Tools Tooling systems
	T-7F	●	2					T7	
	T-8F	●	2.3	39	19	19		T8	
	T-9F	●	2.5	42.5				T9	
	T-15F	●	3.3	45		22		T15	
	T-20F	●	3.9	49	30			T20	
	IP-6F	●	1.7	34.5	15	15		6IP	
	T-6L	●		48	16			T6	TAC Toolholders TAC Grooving & Parting Tools TAC Threading Tools
	T-8L	●						T8	
	T-9L	●						T9	
	T-15L	●		59	22			T15	
	KEYV-T20	●		60	22			T20	Endmills TungMeister TAC Toolholders TurnTec
	KEYV-T25	●		65	23			T25	
	KEYV-T30L	●		190	37			T30	
	KEYV-T40L	●		208	43			T40	
	KEYV-T50L	●		232	48			T50	
	P-2F	●	4	39.5	20	12.5	2		TAC Toolholders Tooling systems
	P-2.5F	●	5	45	25	20	2.5		
	P-2.5T	●		42		15	2.5		TAC Grooving & Parting Tools
	T-2010/5	●	6.5	85	28	25	-	T10/ T20	TetraCut

● : Stocked items.

Wrenches and Drivers

Shape	Part Cat. No.	Stock	Dimensions (mm)						Applicable Tools
			a	b	c	d	f	T	
	P-2	●					2		TAC Grooving & Parting Tools
	P-2.5	●					2.5		
	P-3	●					3		
	P-3.5	●					3.5		
	P-4	●					4		
	P-4.5	●					4.5		
	P-5	●					5		
	P-6	●					6		
	TP-3A	●		70		45.5	3		TAC Mills
	TP-4	●		85		53	4		
	TP-5	●					5		
	T-15T	●						T15	TAC Mills
	T-20T	●	5	65		45		T20	
	T-27T	●		85		42		T27	
	IP-20T	●	5	80		45		20IP	
 Handle shape somewhat varies depending on the type number from the above figure.	T-6D	●	2.5					T6	TAC Mills TAC Drills
	T-7D	●	2	45	70			T7	
	T-8D	●	2.6	61	67.5			T8	
	T-9D	●	3.0	65	80			T9	
	T-10D	●	3.3	70	90			T10	
	T-15D	●	3.65	71	100			T15	
	T-20D	●	4.6	90				T20	
	T-25D	●	4.4	87	86			T25	
	IP-6DB	●		45	70			6IP	
	IP-7D	●	2.6	45	70			7IP	
	IP-8D	●	2.8	56	69			8IP	
	IP-10D	●	3.3	71	89			10IP	
	IP-15D	●	3.9	70	100			15IP	
	IP-20D	●	4.6	90	100			20IP	
	KS-21	●	21	195					TAC Mills TMS
	KS-24	●	24	215					
	KS-27	●	27	235					
	KS-32	●	32	275					
	KS-36	●	36	305					
	M-1000	●							A burn inhibitor
	BT15S	●	3.9	50	90		6	T15	TAC Mills
	BT15M	●	3.9	50	118		6	T15	
	BT20S	●	4.6	50	90		6	T20	
	BT20M	●	4.6	50	118		6	T20	
	BLD IP15/S7	●	3.9	50	90		6	15IP	
	BLD IP20/S7	●	4.6	50	90		6	20IP	
	BLD IP20/M7	●	4.6	50	118		6	20IP	
	H-TB	●		100	37		6		TAC Mills
	H-TBS	●		75	37		6		
	KEYV-S05	●	4	5.5	100				TungMeister Endmills
	KEYV-S06	●	5.4	8	125				
	KEYV-S08	●	6.6	10	150				
	KEYV-S10	●	7.7	13	175				
	KEYV-S12	●	9.4	16	250				
	KEYV-S17	●	29	110					
	KEYV-177	●	29	110					TungGun
	KEYV-217	●	29	110					
	KGDT-100	●	32	108.5					TungGun
	KGDT-110	●	32	108.5					
	KGDT-120	●	32	108.5					
	KGDT-130	●	32	108.5					
	KGDT-140	●	32	108.5					
	KGDT-150	●	32	108.5					

● : Stocked items.

Locators

Part Cat. No.	Stock		Applicable Tools
	R	L	
LD150R	●		TXD15125R ~ TXD15315R
LD440R/L	●	●	TMD44 TGD4400R/L-A TFD44
LD442R/L	●		EGD4400R
LD540R/L	●		TMD54
LE302R	●		ESE3050R (RS**) ~ 3063R (RS**)
LE303R/L	●		TSE3003R/LIA ~ 3006R/LIA
LE402AR	●		ESE4050RA ESE4063RA
LE403R/L	●		TSE4003R/LIA TSE4004R/LIA ESE4003RIA-S32
LE405R/L	●		TSE4005R/LIA ~ 4012R/LIA
LE413R/L	●		THE40
LE444R/L	●	●	TME4403R/LI ~ 4405R/LI TME4403R/LB ~ 4405R/LB EME4405R ~ 4404RI
LE446R/L	●	●	TME4406R/LI ~ 4412R/LI TME4406R/LB ~ 4412R/LB
LE540R/L	●	●	TME54
LF440R/L	●	●	THF44
LF540R/L	●		THF54
LF602R	●		ERF6050R ~ ERF6063R
LF602R/L	●		TRF6003R/LI ~ TRF6006R/LI TRF6008R/LI ~ TRF6012R/LI
LMS56R/L			MS08R/L ~ MS12R/L
LN423R/L	●		TGN42
LN645R/L			TPN64
LP403R/L	●		TSP4003R/LIA ~ TSP4004R/LIA TFP4004R/LIA
LP405R/L	●		TSP4005R/LIA ~ TSP4012R/LIA TFP4005R/LIA ~ TFP4012R/LIA
LP413R/L	●		TGP41 TGP42
LP514R/L	●		TGP51
LPP16R	●		TPP16
LR602R/L	●		ERD6050RA ~ ERD6063RA
LR603R/L	●		TRD6003R/L TRD6004R/L ~ TRD6008R/L
LV525R/L	●	●	VSN 1
LV530R/L			VSN 2
LV556R/L			VSN60
LW400R	●		EFP4063R
LW400R/L	●		TFD44 TFP4000 SFP4000
LW402R	●		EFP4050R

Insert locking wedges

Part Cat. No.	Stock		Applicable Tools
	R	L	
FDS-8SST			EDPD09063R EDPD09063RB
FDS-8ST-18	●		EDP09080R EDPD09080RB DPD09100R~DPD09160R DPD09100RB~DPD09160RB
FW-242R/L			ø63
FW-243R/L	●		ø80~100
FW-245R/L			ø125 ~
FW304R/L-D			DAD15 DPD15 EDPD15 QPP15
LE302R	●		ESE3050R (RS**) ~ 3063R (RS**)
WF150R			TXD15125R ~ TXD15315R
WF310R/L	●		TGP4100BA TGP4103R/LIA
WF330N	●		TSE4003R/LIA TSE4004R/LIA ESE4003RIA-S32 TSP4003R/LIA ~ TSP4004R/LIA TFP4004R/LIA
WF330R/L	●		TSE3003R/LIA ~ 3006R/LIA
WF444R/L	●	●	TME4403R/LI ~ 4405R/LI TME4403R/LB ~ 4405R/LB EME4405R ~ 4404RI TME4406R/LI ~ 4412R/LI TME4406R/LB ~ 4412R/LB
WF500R	●		TSE4005R/LIA ~ 4012R/LIA TSP4005R/LIA ~ TSP4012R/LIA TFP4005R/LIA ~ TFP4012R/LIA
WF500R/L	●		TMD54 TGP51 THF54
WF50R/L			TME54
WF602R	●		ERF6050R ~ ERF6063R
WF603R/L	●		TRF6003R/LI ~ TRF600R/LI
WF608R/L	●		TRF6008R/LI ~ TRF6012R/LI
WN645R/L			TPN64
WP193TR/L	●	●	EGD4400R
WP440R/L	●	●	TMD44 TGD4400R/L-A TFD44 TGP4100IA ~ TGP4112R/LIA TGP42 THF44 THE40
WR602R/LW	●		ERD6050RA ~ ERD6063RA
WR603R/L	●		TRD6003R/L TRD6004R/L ~ TRD6008R/L
WT402R	●		ESE4050RA ESE4063RA
WT402R/L			EME4450RB ~ 4404RB

● : Stocked items.

Locator adjusting wedges

Part Cat. No.	Stock		Applicable Tools
	R	L	
FW-305	●		TFD44 TFP40 SFP4000 EFP4063
FW325R/L-D			DAD15 QPP15 DPD15 EDPD15

Fine adjusting screws

Part Cat. No.	Stock		Applicable Tools
	R	L	
AJM5	●		DPD09 EDPD09
ASM34L	●		DPD24

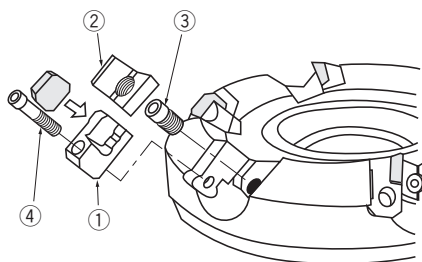
J Series for Small Lathes

Cat. No.	Fixing screw	Stock	Wrench	Stock	Substitution (page)
JSXGR/L1010K8	CSTB-4SD	●	T-8F (T-8L*)	● (●)	JSXGR/L1010K8-C (8-21)
JSXGR/L1212K8					JSXGR/L1212K8-C (8-21)
JSXBR/L1010K8					JSXBR/L1010K8-C (8-22)
JSXBR/L1212K8					JSXBR/L1212K8-C (8-22)
JSVGR/L1010K	CSTB-3S	●	T-9F (T-9L*)	● (●)	JSVGR/L1010K-C (8-49)
JSVGR/L1212K					JSVGR/L1212K-C (8-49)

* Parts in parenthesis are optional parts.

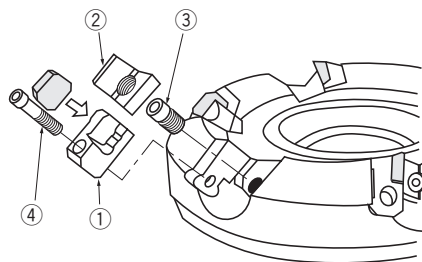
Replacement Parts for Former PS Series TAC Mills

■ TGD4400



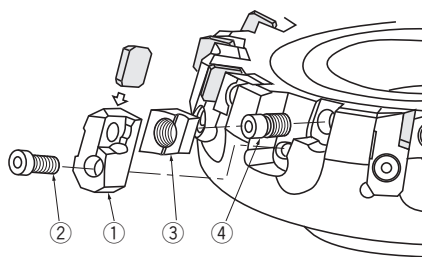
No.	Part Name	Part Cat. No.			
		For TGD4403R/L	Stock	For TGD4404R/L~4412R/L	Stock
①	Locator	LD443R	●	LD443R	●
		LD443L		LD443L	
②	Insert locking wedge	WP193TR	●	WP194TR	●
		WP193TL	●	WP194TL	●
③	Wedge fixing screw	DS-8	●	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
-	T-handle wrench	TP-4	●	TP-4	●

■ TGD5400



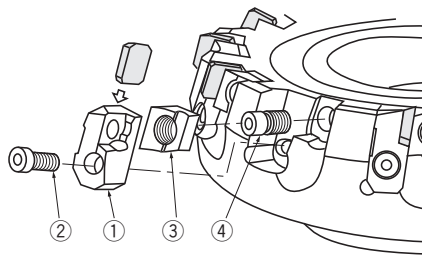
No.	Part Name	Part Cat. No.	Stock
①	Locator	LD544R	●
		LD544L	
②	Insert locking wedge	WP803TR	●
		WP803TL	●
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●
-	T-handle wrench	TP-4	●

■ TGP4100



No.	Part Name	Part Cat. No.			
		For TGP4103R/L	Stock	For TGP4104R/L~4212R/L	Stock
①	Locator	LP413R	●	LP413R	●
		LP413L		LP413L	
②	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
③	Insert locking wedge	WP103R	●	WP104RA	●
		WP103L	●	WP104LA	●
④	Wedge fixing screw	DS-8	●	DS-8	●
-	T-handle wrench	TP-4	●	TP-4	●

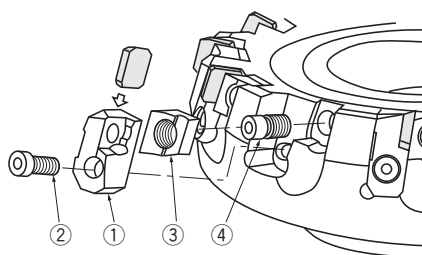
■ TGP4100B



No.	Part Name	Part Cat. No.	Stock
①	Locator	LP413R	●
		LP413L	
②	Locator fixing screw	CM4×0.7×14	●
③	Insert locking wedge	WP103R	●
		WP103L	●
④	Wedge fixing screw	DS-8	●
-	T-handle wrench	TP-4	●

Note : For TGP4104R/LB ~ TGP4112R/LB

■ TGP4200

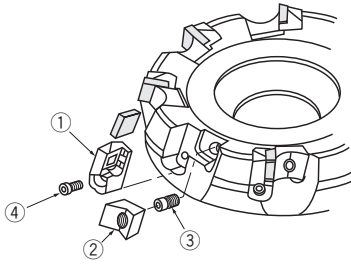


No.	Part Name	Part Cat. No.			
		For TGP4203R/L	Stock	For TGP4204R/L~4212R/L	Stock
①	Locator	LP413R	●	LP413R	●
		LP413L		LP413L	
②	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
③	Insert locking wedge	WP103R	●	WP104RA	●
		WP103L	●	WP104LA	●
④	Wedge fixing screw	DS-8	●	DS-8	●
-	T-handle wrench	TP-4	●	TP-4	●

● : Stocked items.

Replacement Parts for Former PS Series TAC Mills

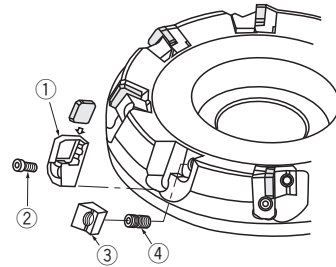
■ TGP5100 I



No.	Part Name	Part Cat. No.	Stock
①	Locator	LP514R	●
		LP514L	
②	Insert locking wedge	WP374TR	●
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●
-	T-handle wrench	TP-4	●

Note : For TGP5104R/LI ~ TGP5112R/LI

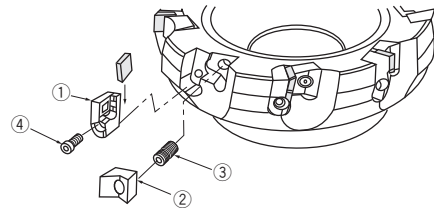
■ TGN4200



No.	Part Name	Part Cat. No.	Stock
①	Locator	LN423R	●
		LN423L	
②	Locator fixing screw	CM4×0.7×14	●
③	Insert locking wedge	WM104RA	●
		WM104LA	●
④	Wedge fixing screw	DS-8	●
-	T-handle wrench	TP-4	●

Note : For TGN4203R/L ~ TGN4212R/L

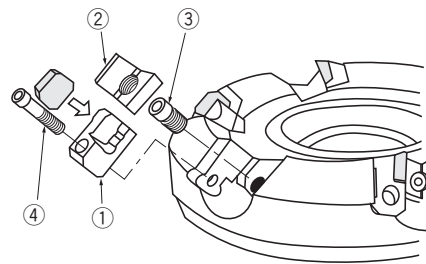
■ THE4000



No.	Part Name	Part Cat. No.	Stock
①	Locator	LE413R	●
		LE413L	
②	Insert locking wedge	WP813TR	●
		WP813TL	
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●
-	T-handle wrench	TP-4	●

Note : For THE4003R/L ~ THE4006R/L

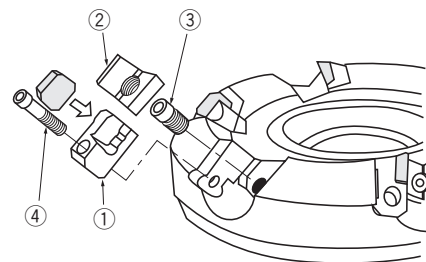
■ THF4400



No.	Part Name	Part Cat. No.	Stock
①	Locator	LF443R	●
		LF443L	
②	Insert locking wedge	WP813TR	●
		WP813TL	
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●
-	T-handle wrench	TP-4	●

Note : For THF4403R/L ~ THF4412R/L

■ THF5400



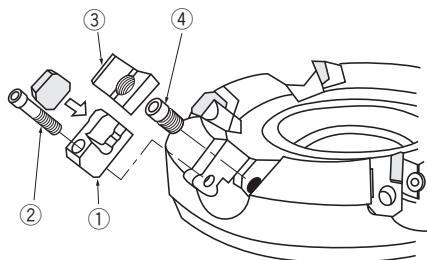
No.	Part Name	Part Cat. No.	Stock
①	Locator	LF543R	
		LF543L	
②	Insert locking wedge	WP803TR	●
		WP803TL	●
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●
-	T-handle wrench	TP-4	●

Note : For THF5403R/L ~ THF5412R/L

● : Stocked items.

Replacement Parts for Former PS Series TAC Mills

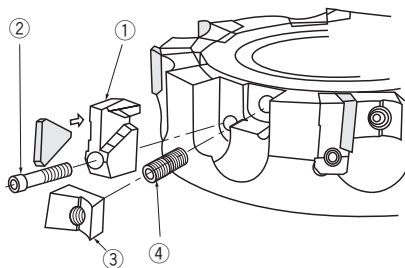
TUD5600



No.	Part Name	Part Cat. No.	Stock
①	Locator	LD563R	●
		LD563L	
②	Insert locking wedge	WP803TR	●
		WP803TL	●
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM5×0.8×18	
-	T-handle wrench	TP-4	●

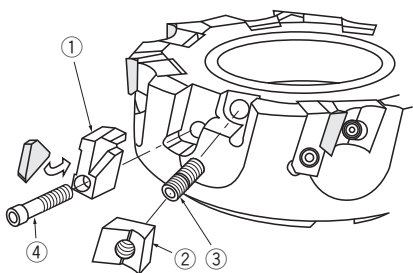
Note : For TUD5603R/L ~ TUD5612R/L

TSP4000 I



No.	Part Name	Part Cat. No.			
		For TGD4403R/L	Stock	For TGD4404R/L~4412R/L	Stock
①	Locator	LP403R	●	LP405R	●
		LP403L		LP405L	
②	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
③	Insert locking wedge	WP153T	●	WP155T	●
④	Wedge fixing screw	DS-8	●	DS-8	●
-	T-handle wrench	TP-4	●	TP-4	●

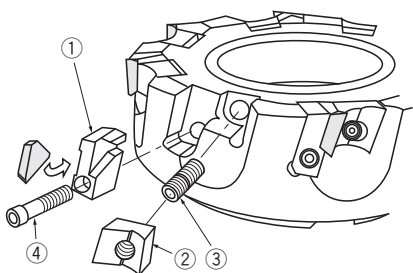
TSE3000



No.	Part Name	Part Cat. No.	Stock
①	Locator	LE303R	●
		LE303L	
②	Insert locking wedge	WP302R	●
		WP302L	
③	Wedge fixing screw	DS-8	●
④	Locator fixing screw	CM4×0.7×12	●
-	T-handle wrench	TP-4	●

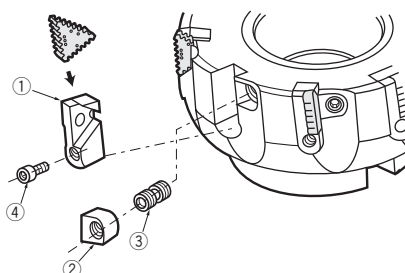
Note : For TSE3003R/L~3006R/L

TSE4000



No.	Part Name	Part Cat. No.			
		For TGD4403R/L	Stock	For TGD4404R/L~4412R/L	Stock
①	Locator	LE403R	●	LE405R	●
		LE403L		LE405L	
②	Insert locking wedge	WP853TR	●	WP855TR	●
③	Wedge fixing screw	DS-8	●	DS-8	●
④	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
-	T-handle wrench	TP-4	●	TP-4	●

T/ESN4000



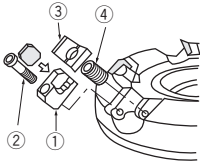
No.	Part Name	Part Cat. No.	Stock	
			R	L
①	Locator	LN403R	●	-
②	Insert locking wedge	WT402R/L	●	-
③	Wedge fixing screw	DS-8	●	
④	Locator fixing screw	SHCM4-10	●	
-	T-handle wrench	TP-4	●	

● : Stocked items.

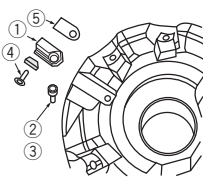
Replacement Parts for Former PS Series TAC Mills

TFD4400

For General Inserts



For Finishing Inserts



For General Inserts

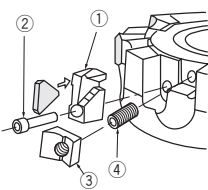
No.	Part Name	Part Cat. No.	Stock
①	Locator	LD443R	●
		LD443L	
②	Locator fixing screw	Hex. socket head screw CM4×0.7×14	●
③	Insert locking wedge	WP194TR	●
		WP194TL	●
④	Wedge fixing screw	DS-8	●
-	T-handle wrench	TP-4	●

For Finishing Inserts

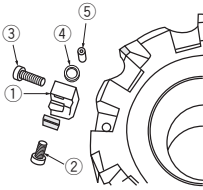
No.	Part Name	Part Cat. No.	Stock
①	Locator	LW444R	●
②	Locator fixing screw	Hex. socket head screw CM5×0.8×16	
③	Spring washer	5 (Nominal size)	
④	Insert locking wedge	CSTA-5S	●
⑤	Shim	SLW1.5	
-	Wrench	T-15D	●
-	Protector	PF-43	●

TFP4000 I

For General Inserts



For Finishing Inserts



For General Inserts

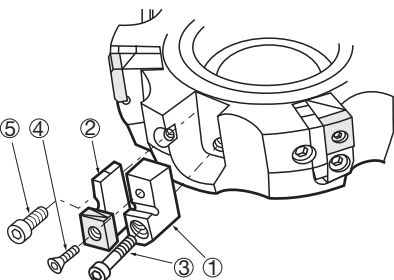
No.	Part Name	Part Cat. No.			
		For TFP4004R/LI	Stock	For TFP4005R/LI-4012R/LI	Stock
①	Locator	LP403R	●	LP405R	●
		LP403L		LP405L	
②	Locator fixing screw	CM4×0.7×14	●	CM4×0.7×14	●
③	Insert locking wedge	WP153T	●	WP155T	●
④	Wedge fixing screw	DS-8	●	DS-8	●
-	T-handle wrench	TP-4	●	TP-4	●

For Finishing Inserts

No.	Part Name	Part Cat. No.	Stock
①	Locator	LW404R	●
		LW404L	
②	Clamping screw	CSTA-5S	●
③	Locator fixing screw	Hex. socket head screw CM5×0.8×16	
④	Nut	SRW11	
⑤	Adjusting wedge fixing screw	DS-6	●
-	Spring washer	5 (Nominal size)	
-	Wrench	T-15D	●
-	Protector	PF-43	●

Note: Inserts are compatible with LS-series TAC Mills.

VSN6000 I

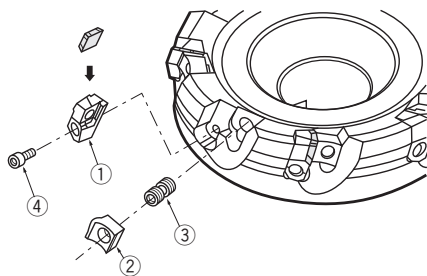


No.	Part Name	Part Cat. No.	Stock
①	Locator	LV556R/L	
②	Insert locking wedge	WV556R/L	
③	Locator fixing screw	CM6×1.0×25	
④	Insert fixing screw	CSTA-5	●
⑤	Wedge fixing screw	CM6×1.0×10	
-	T-handle wrench	T-15D	●

● : Stocked items.

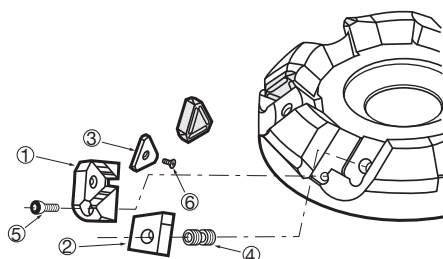
Replacement Parts for Former TAC Mills

■ TMD4100 I



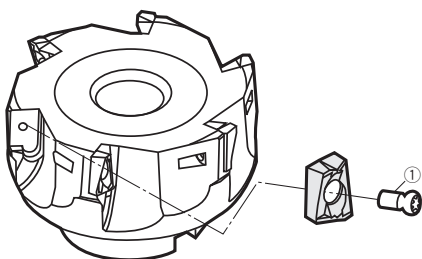
No.	Part Name	Part Cat. No.	Stock
①	Locator	LD413R	●
		LD413L	
②	Insert locking wedge	WP440R	●
		WP440L	●
③	Wedge fixing screw	FDS-8S	●
④	Locator fixing screw	CM4×0.7×12	
-	T-handle wrench	TP-4	●

■ TPN6400 I



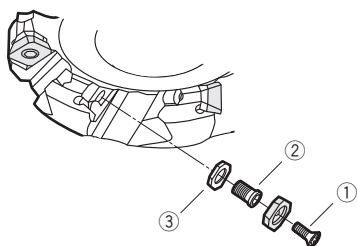
No.	Part Name	Part Cat. No.	Stock
①	Locator	LN645R/L	
②	Insert locking wedge	WN645R/L	
③	Shim	STN62R/L	
④	Wedge fixing screw	DS-10	●
⑤	Locator fixing screw	CM5×0.8×18	
⑥	Shim screw	SM3×0.5×8	●
-	Spring washer	5(Nominal size)	
-	T-handle wrench	TP-5	●

■ TPN14



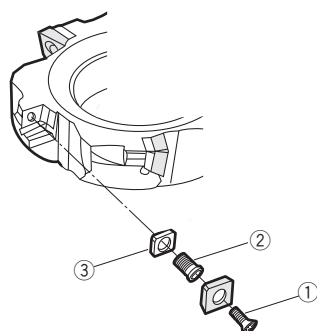
No.	Part Name	Part Cat. No.	Stock
①	Insert fixing screw	CSTB-3	●
-	Wrench	T-9D	●

■ T/EAD12



No.	Part Name	Part Cat. No.			
		TAD12050R, TAD12050RB TAD12063RI/B EAD12025R EAD12032R, EAD12040R EAD12050R/RB EAD12063RI/B	Stock	TAD12080RI/B TAD12100RI/B TAD12125RI/B EAD12080RI/B	Stock
①	Clamp screw	CSTB-3.5TS	●	CSTB-3.5T	●
②	Shim fixing screw	—		DTS5-3.5	●
③	Shim	—		FSSA42	●
④	Wrench	—		P-3.5	●
-	Wrench	T-20D	●	T-20D	●

■ T/EPD12(I)(B)



No.	Part Name	Part Cat. No.			
		T/EPD12050R/RB T/EPD12063RI/B EPD12025R EPD12032R EPD12040R	Stock	T/EPD12080RI/B TPD12100RI/B TPD12125RI/B	Stock
①	Clamp screw	CSTB-3.5TS	●	CSTB-3.5T	●
②	Shim fixing screw	—		DTS5-3.5	●
③	Shim	—		FSSP42	●
④	Wrench	—		P-3.5	●
-	Wrench	T-20D	●	T-20D	●

Replacement Parts for Former TAC Endmills

■ EVP1000

Cat. No.	Clamping screw				Wrench			
								
	For end edge	Stock	For peripheral edge	Stock	For end edge	Stock	For peripheral edge	Stock
EVP1016R	CSTB-3S	●	CSTB-2.2S	●	T-9F	●	T-7F	●
EVP1020R	CSTB-4S	●	CSTB-2.5S	●	T-15D	●	T-8D	●
EVP1025R	CSTB-5S	●	CSTB-3S	●	T-20D	●	T-9D	●

■ ESD5000

No.	Part Name	Part Cat. No.	Stock
①	Clamping screw	RT-1	●
②	Clamp	CP724	●
③	Wrench	P-4	●

■ ESD2000

No.	Part Name	Part Cat. No.	Stock
①	Clamp Sets	CSW-0T	●
②	Wrench	T-15F	●

■ ERD4000

No.	Part Name	Part Cat. No.	Stock
①	Fixing screw	CSTB-4S	●
②	Clamp Sets	CSW-0T	●
③	Wrench	T-15D	●

■ EPN09/14

Cat. No.	Clamping screw		Wrench	
		Stock		Stock
EPN09010R / EPN09012R	CSTB-2.5S	●	T-8D	●
EPN09016R ~ EPN09050R	CSTB-2.5	●		●
EPN140□□R	CSTB-3	●	T-9D	●

■ TBF1000

No.	Part Name	Part Cat. No.					
		For TBF1320S	Stock	For TBF1400S	Stock	For TBF15~TBF1600S	Stock
①	Main insert clamping screw	CSTB-4	●	CSTA-4	●	CST-5S	●
②	Clamp	-		CP536	●	CP536	●
③	Clamping screw	-		DS-6	●	DS-6	●
④	Wrench for main insert	T-15D	●	T-15D	●	T-25D	●
⑤	Wrench for peripheral insert	-		P-3	●	P-3	●

Replacement Parts for Former TAC Drills

■ TDR

Cat. No.	Part Cat. No.			
	Fixing screw	Stock	Wrench	Stock
TDR-180 ~ 190	CSTB-2.2	●	T-7D	●
TDR-195 ~ 285	CSTA-NO3	●	T-9D	●
TDR-290 ~ 345	CSTA-NO5	●	T-9D	●
TDR-350 ~ 540	CSTA-4	●	T-15D	●

■ TDJ

Cat. No.	Part Cat. No.			
	Fixing screw	Stock	Wrench	Stock
TDJ-140	CSTC-2	●	T-6D	●
TDJ-145				
TDJ-150				
TDJ-155				
TDJ-160				
TDJ-165				
TDJ-170				
TDJ-175				

● : Stocked items.

