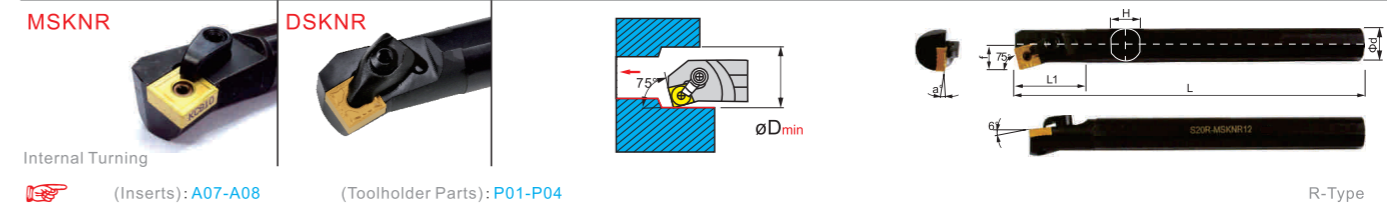


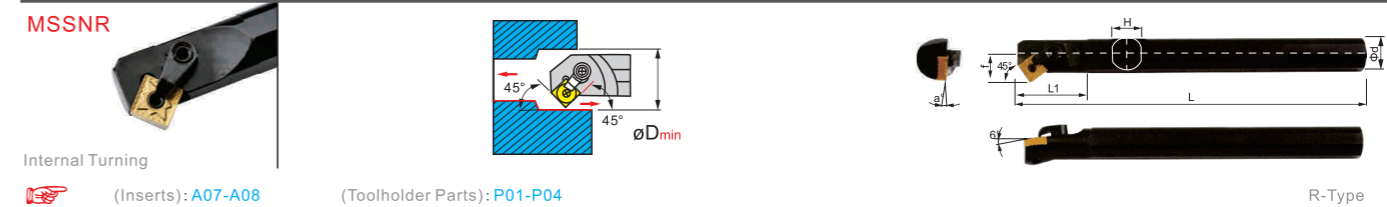
Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number					
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L						
S16Q-MTUNR/L16	22	16	180	35	15	11	18°	TN..1604..		CTM511	HL1810	ML0620	PL25 PL30	●	●	223700					
S20R-MTUNR/L16	25	20	200	40	19	13.5	15°							●	●	223702					
S25S-MTUNR/L16	31	25	250	45	24	17	12°							●	●	223704					
S32T-MTUNR/L16	41	32	300	54	30	22.5	17°							●	●	223706					
S40T-MTUNR/L16	50	40	300	60	38	26.5	15°							●	●	223708					
S50U-MTUNR/L16	60	50	350	65	48	31	12°							●	●	223710					
S60V-MTUNR/L16	70	60	400	70	58	36	10°							●	●	223712					
S40T-MTUNR/L22	50	40	300	60	38	26.5	15°							●	●	223714					
S50U-MTUNR/L22	60	50	350	65	48	31	12°							●	●	223716					
S60V-MTUNR/L22	70	60	400	70	58	36	10°							●	●	223718					
C20R-MTUNR/L16-25	25	20	200	-	13	13	15°	TN..1604..		CTM511	HL1810	ML0620	PL25 PL30	●	●	223720					
C20S-MTUNR/L16-25	25	20	250	-	13	13	15°							●	●	223722					
C25R-MTUNR/L16-32	32	25	200	-	24	17	12°							●	●	223724					
C25S-MTUNR/L16-32	32	25	250	-	24	17	12°							●	●	223726					
C32S-MTUNR/L16-40	40	32	250	-	30	20	17°							○	○	223728					
C40S-MTUNR/L16-50	50	40	250	-	38	26	15°							○	○	223730					
C50S-MTUNR/L16-60	60	50	250	-	48	31	12°							○	○	223732					
S16Q-DTUNR/L16	20	16	180	35	15	11	18°							TN..1604..		HLD-3	M6X21	PL30	○	○	223750
S18Q-DTUNR/L16	22	18	180	35	17	12	15°												○	○	223751
S20R-DTUNR/L16	25	20	200	40	19	13	15°												○	○	223752
S25S-DTUNR/L16	30	25	250	45	24	15.5	12°	○	○	223754											
S32T-DTUNR/L16	38	32	300	54	30	20.5	17°	○	○	223756											
S40T-DTUNR/L16	47	40	300	60	38	25	15°	○	○	223758											
S25S-WTUNR/L16	32	25	250	36	23	17	12°	TN..1604..	MT1603	CTM515-T	WT-16	M5 X 23	PL25 PL40	●	○	223408					
S32T-WTUNR/L16	40	32	300	46	30	22.5	17°							●	○	223410					
S40U-WTUNR/L16	45	40	350	56	38	26.5	15°							●	○	223412					
S50W-WTUNR/L16	55	50	450	66	48	29.5	15°							●	○	223414					
S25S-ETUNR/L16	32	25	250	45	24	17	12°	TN..1604..	MT1603	CT511-Z	HLZ-T	M8X25	PL25 PL40	●	●	223760					
S32T-ETUNR/L16	40	32	300	50	30	22	10°							●	●	223762					
S40T-ETUNR/L16	50	40	300	55	38	27	10°							●	●	223764					
S50U-ETUNR/L16	60	50	350	60	48	35	8°							●	●	223766					
S16Q-STUNR/L16	19	16	9	180	26	15°	TN..1604..		M3.5x13T	T15	●	●	227700								
S18Q-STUNR/L16	20	18	10	180	28	15°					●	●	227701								
S20R-STUNR/L16	22	20	11	200	28	15°					●	●	227702								

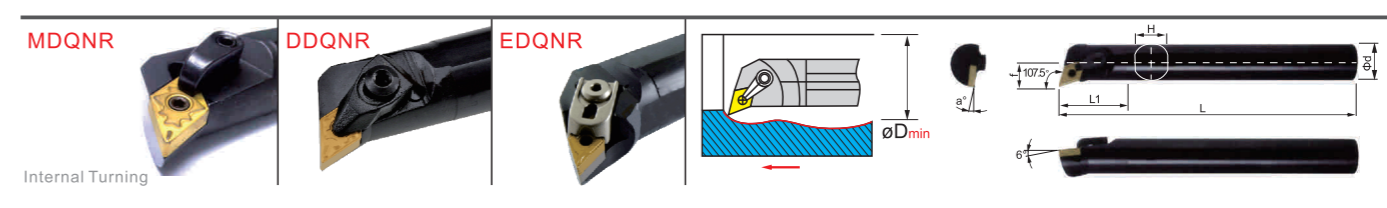


Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MSKNR/L12	26	20	200	40	19	14	15°	SN..1204..		CTM613	HL1810	ML0620	PL25 PL30	●	●	223900
S25S-MSKNR/L12	30	25	250	45	24	16.1	12°							●	●	223902
S32T-MSKNR/L12	40	32	300	50	30	22	17°							●	●	223904
S40T-MSKNR/L12	48	40	300	55	38	27	15°							●	●	223906
S50U-MSKNR/L12	60	50	350	65	48	30	12°							●	●	223908

Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DSKNR/L12	26	20	200	40	19	14	15°	SN..1204..			HLD-1	M6X21	PL30	○	○	223920
S25S-DSKNR/L12	30	25	250	45	24	16.1	12°							○	○	223922
S32T-DSKNR/L12	40	32	300	50	30	22	17°							○	○	223924
S40T-DSKNR/L12	48	40	300	55	38	27	15°							○	○	223926
S50U-DSKNR/L12	60	50	350	65	48	30	12°							○	○	223928



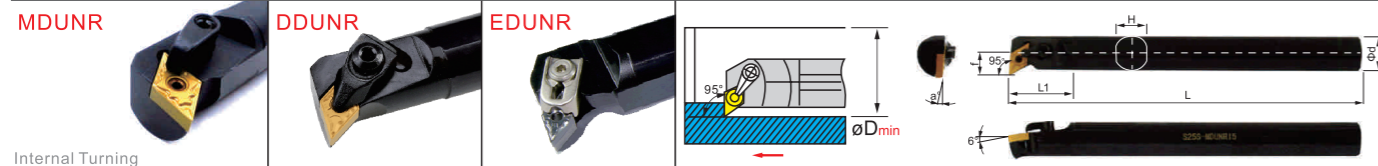
Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MSSNR/L12	27	20	200	35	19	15	15°	SN..1204..		CTM613	HL1810	ML0620	PL25 PL30	●	●	223950
S25S-MSSNR/L12	30	25	250	40	24	17	12°							●	●	223952
S32T-MSSNR/L12	38	32	300	45	30	21	17°							●	●	223954
S40T-MSSNR/L12	46	40	300	50	38	27	15°							●	●	223956
S50U-MSSNR/L12	58	50	350	60	48	30	12°							●	●	223958



Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MDQNR/L11	25	20	200	40	19	14.5	15°	DN..1104..		CTM511	HL1810	ML0625	PL20/30	●	●	224001
S25S-MDQNR/L15	31	25	250	45	24	17	12°							●	●	224000
S32T-MDQNR/L15	38	32	300	50	30	20.5	17°							●	●	224002
S40T-MDQNR/L15	50	40	300	60	38	27	15°							●	●	224004

Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DDQNR/L11	25	20	200	40	19	14.5	15°	DN..1504..			HLD-3	M6X21	PL30	○	○	224011
S25S-DDQNR/L15	31	25	250	45	24	17	12°							○	○	224010
S32T-DDQNR/L15	38	32	300	50	30	20.5	17°							○	○	224012
S40T-DDQNR/L15	50	40	300	60	38	27	15°							○	○	224014

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S32T-EDQNR/L15	40	32	300	50	30	22	10°	DN..1506..	MD1506	CT618-Z	HLZ-D	M8X25	PL30	○	○	224030
S40T-EDQNR/L15	50	40	300	60	38	27	10°							○	○	224032

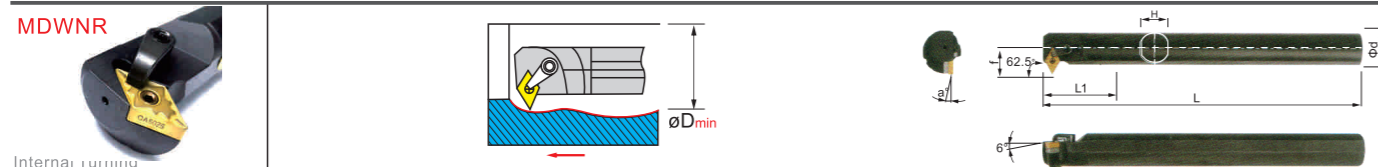


(Inserts): A03-A04 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MDUNR/L11	26	20	200	40	19	14.5	15°	DN..1104..		CTM511	HL1810	ML0625	PL20/30	●	●	224101
S25S-MDUNR/L15	30	25	250	45	24	16	12°	DN..1504..		CTM619	HL2114	ML0625	PL30	●	●	224100
S32T-MDUNR/L15	38	32	300	50	30	21	17°	DN..1506..	MD1506	CTM619	HL2114	ML0625	PL30	●	●	224102
S40T-MDUNR/L15	48	40	300	60	38	26	15°	DN..1506..	MD1504	CTM619	HL2114	ML0625	PL30	●	●	224104

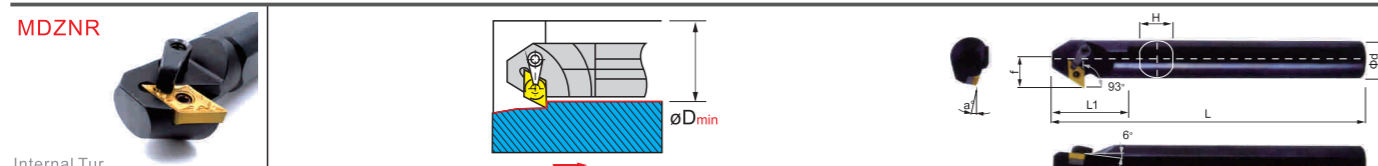
Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DDUNR/L11	26	20	200	40	19	14.5	15°	DN..1104..			HLD-3			○	○	224111
S25S-DDUNR/L15	30	25	250	45	24	16	12°	DN..1504..			HLD-3	M6X21	PL30	○	○	224110
S32T-DDUNR/L15	38	32	300	50	30	21	17°	DN..1506..	MD1506	CTM619	HLD-2	M6X21	PL30	○	○	224112
S40T-DDUNR/L15	48	40	300	60	38	26	15°	DN..1506..	MD1504	CTM619	HLD-2	M6X21	PL30	○	○	224114

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S32T-EDUNR/L15	40	32	300	50	30	22	10°	DN..1504..	MD1506	CT618-Z	HLZ-D	M8X25	PL30	○	○	224130
S40T-EDUNR/L15	50	40	300	60	38	27	10°	DN..1506..	MD1504	CT618-Z	HLZ-D	M8X25	PL40	○	○	224132



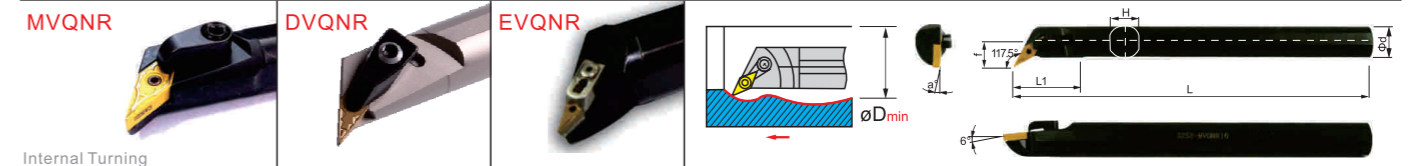
(Inserts): A03-A04 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MDWNR/L11	28	20	200	36	19	16	15°	DN..1104..		CTM511	HL1810	ML0625	PL20/30	●	●	224201
S25S-MDWNR/L15	37	25	250	45	24	22.5	12°	DN..1504..		CTM613	HL2114	ML0625	PL30	●	●	224200
S32T-MDWNR/L15	45	32	300	50	30	27	17°	DN..1506..	MD1506	CTM619	HL2114	ML0625	PL30	●	●	224202
S40T-MDWNR/L15	53	40	300	55	38	31	15°	DN..1506..	MD1504	CTM619	HL2114	ML0625	PL30	●	●	224204



(Inserts): A03-A04 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S25S-MDZNR/L15	35	25	250	46	24	20.5	15°	DN..1504..		CTM613	HL2114	ML0625	PL30	●	●	224301
S32T-MDZNR/L15	40	32	300	50	30	23	17°	DN..1506..	MD1506	CTM619	HL2114	ML0625	PL30	●	●	224300
S40T-MDZNR/L15	50	40	300	55	38	27	15°	DN..1506..	MD1504	CTM619	HL2114	ML0625	PL30	●	●	224302

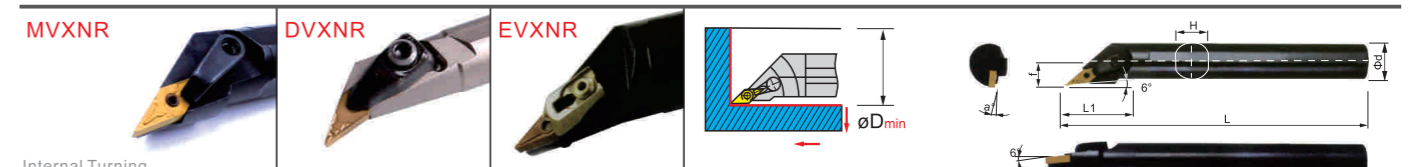


(Inserts): A11-A12 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MVQNR/L16	28	20	200	45	19	16	15°	VN..1604..		CTM511	HL2114	ML0625	PL20 PL30	○	○	224401
S25S-MVQNR/L16	31	25	250	45	24	17	12°	VN..1604..		CTM511	HL2114	ML0625	PL20 PL30	○	○	224400
S32T-MVQNR/L16	39	32	300	50	30	23	17°	VN..1604..		CTM513	HL2114	ML0625	PL20 PL30	○	○	224402
S40T-MVQNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	CTM513	HL2114	ML0625	PL20 PL30	○	○	224404

Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DVQNR/L16	28	20	200	45	19	16	15°	VN..1604..			HLD-3	M6X21	PL30	○	○	224420
S25S-DVQNR/L16	31	25	250	45	24	17	12°	VN..1604..			HLD-3	M6X21	PL30	○	○	224422
S32T-DVQNR/L16	39	32	300	50	30	23	17°	VN..1604..	MV1603	M5X9P	HLD-3	M6X21	PL30	○	○	224424
S40T-DVQNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	M5X9P	HLD-3	M6X21	PL30	○	○	224426

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S32T-EVQNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	HLZ-V	M8X25	PL25 PL40	○	○	224430
S40T-EVQNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	CT515-Z	HLZ-V	M8X25	PL25 PL40	○	○	224432

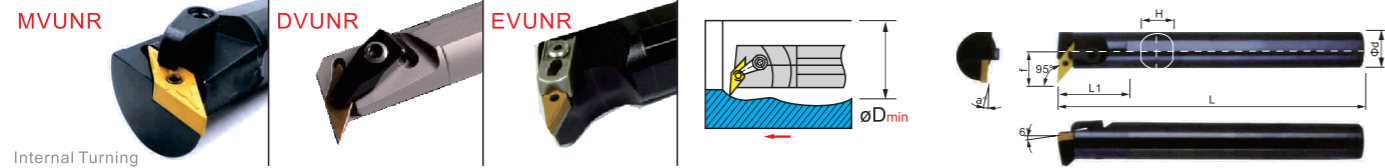


(Inserts): A11-A12 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MVXNR/L16	27	20	200	40	19	14	15°	VN..1604..		CTM511	HL2414	ML0625	PL20 PL30	○	○	224500
S25S-MVXNR/L16	32	25	250	45	24	17	12°	VN..1604..		CTM511	HL2414	ML0625	PL20 PL30	○	○	224502
S32T-MVXNR/L16	42	32	300	50	30	23	17°	VN..1604..		CTM513	HL2414	ML0625	PL20 PL30	○	○	224504
S40T-MVXNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	CTM513	HL2414	ML0625	PL20 PL30	○	○	224506

Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DVXNR/L16	27	20	200	40	19	14	15°	VN..1604..			HLD-4	M6X21	PL30	○	○	224520
S25S-DVXNR/L16	32	25	250	45	24	17	12°	VN..1604..			HLD-4	M6X21	PL30	○	○	224522
S32T-DVXNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	M5X9P	HLD-4	M6X21	PL30	○	○	224524
S40T-DVXNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	M5X9P	HLD-4	M6X21	PL30	○	○	224526

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S32T-EVXNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	HLZ-V	M8X25	PL25 PL40	○	○	224530
S40T-EVXNR/L16	50	40	300	55	38	27	15°	VN..1604..	MV1603	CT515-Z	HLZ-V	M8X25	PL25 PL40	○	○	224532

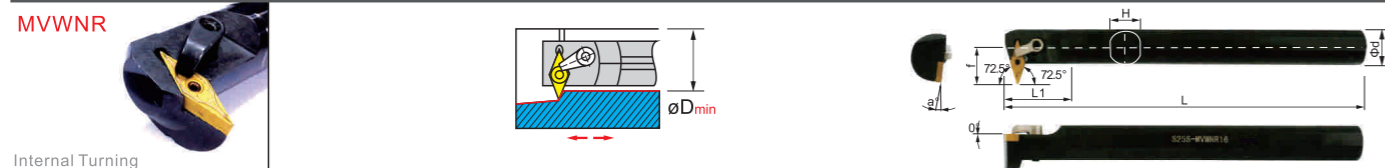


(Inserts): A11-A12 (Toolholder Parts): P01-P04 R-Type

Ordering code	尺寸 Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-MVUNR/L16	32	20	200	45	19	20	15°	VN..1604..	MV1603	CTM511	HL2114	ML0625	PL20 PL30	●	●	224601
S25S-MVUNR/L16	34	25	250	45	24	20	12°							●	●	224600
S32T-MVUNR/L16	40	32	300	50	30	22	17°							●	●	224602
S40T-MVUNR/L16	48	40	300	55	38	26	15°							●	●	224604

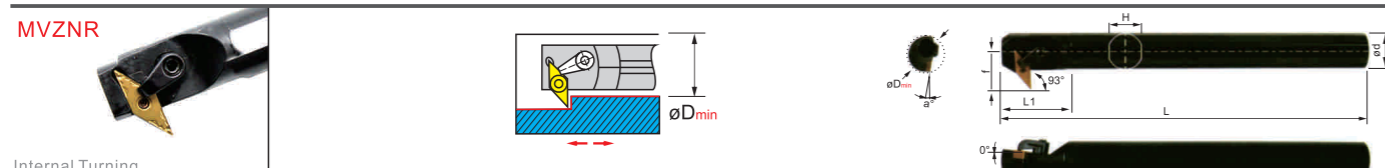
Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DVUNR/L16	32	20	200	45	19	20	15°	VN..1604..	MV1603	M5X9P	HLD-3	M6X21	PL30	○	○	224620
S25S-DVUNR/L16	34	25	250	45	24	20	12°							○	○	224622
S32T-DVUNR/L16	40	32	300	50	30	22	17°							○	○	224624
S40T-DVUNR/L16	48	40	300	55	38	26	15°							○	○	224626

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S32T-EVUNR/L16	42	32	300	50	30	23	17°	VN..1604..	MV1603	CT515-Z	HLZ-V	M8X25	PL25 PL40	○	○	224630
S40T-EVUNR/L16	50	40	300	55	38	27	15°							○	○	224632



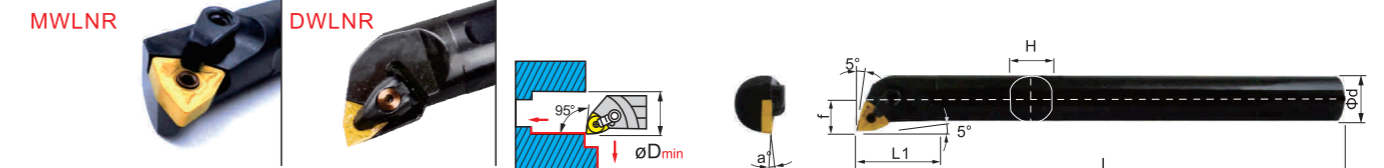
刀片 (Inserts): A11-A12 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S25S-MVWNR/L16	40	25	250	45	24	26	12°	VN..1504..	MV1603	CTM511	HL2114	ML0620	PL20 PL30	●	●	224700
S32T-MVWNR/L16	48	32	300	50	30	30	17°							●	●	224702



(Inserts): A11-A12 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S25S-MVZNR/L16	40	25	250	45	23	26	12°	VN..1504..	MV1603	CTM511	HL2114	ML0620	PL20 PL30	●	●	224750
S32T-MVZNR/L16	48	32	300	50	30	30	17°							●	●	224752



(Inserts): A13-A14 (Toolholder Parts): P01-P04 R-Type

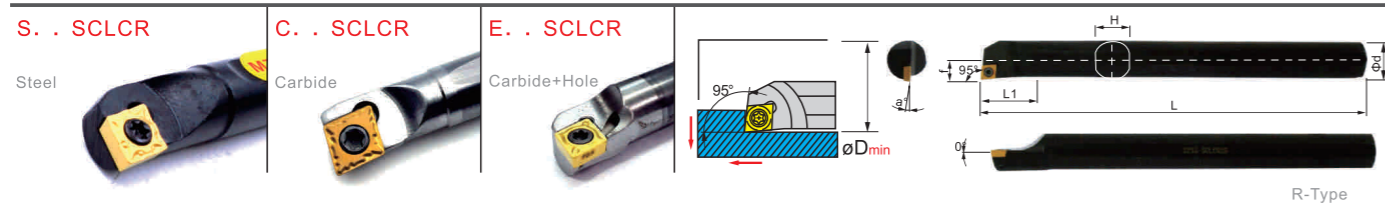
Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S16Q-MWLNR/L06	20	16	180	35	15	11	18°	WN..0604..	CTM511	HL1511	ML0520	PL20	●	●	224800	
S18Q-MWLNR/L06	22	18	180	35	17	12	15°						●	●	224801	
S20R-MWLNR/L06	24	20	200	40	19	13	15°						●	●	224802	
S25S-MWLNR/L06	32	25	250	45	23	17	12°						●	●	224804	
S32T-MWLNR/L06	40	32	300	50	30	22	17°						●	●	224803	
S40T-MWLNR/L06	50	40	300	60	37	27	15°						●	●	224805	
S16Q-MWLNR/L08	20	16	180	35	15	11	15°		CTM613	HL1810	ML0620	PL30	●	●	224806	
S18Q-MWLNR/L08	22	18	180	35	17	12	15°						●	●	224807	
S20R-MWLNR/L08	25	20	200	40	19	13	15°						●	●	224808	
S25S-MWLNR/L08	30	25	250	46	23	16.5	12°						●	●	224810	
S32T-MWLNR/L08	38	32	300	50	30	20	17°						●	●	224812	
S40T-MWLNR/L08	46	40	300	60	37	24	15°						●	●	224814	
S50U-MWLNR/L08	60	50	350	70	48	31	12°	MW0804	CTM617	HL1813	ML0625	PL30	●	●	224816	
S60V-MWLNR/L08	70	60	400	70	58	36	10°						●	●	224818	

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S25S-WWLNR/L16	32	25	250	40	23	17	12°	WN..0804..	MW0804	CTM618-W	WW-08	M5 X 23	PL30 PL40	●	○	224820
S32T-WWLNR/L16	40	32	300	50	30	22	17°							●	○	224822
S40U-WWLNR/L16	45	40	350	60	38	27	15°							●	○	224824
S50W-WWLNR/L16	55	50	450	70	48	31	12°							●	○	224826

Ordering code	Dimensions							Insert	Shim	Shim Screw	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S20R-DWLNR/L06	24	20	200	40	19	13	15°	WN..0604..	MW0603	M5X9P	HLD-3	M6X21	PL30	○	○	224830
S25S-DWLNR/L06	32	25	250	45	24	17	12°							○	○	224832
S32T-DWLNR/L06	40	32	300	50	30	22	17°							○	○	224834
S40T-DWLNR/L06	50	40	300	60	38	27	15°							○	○	224836
S20R-DWLNR/L08	25	20	200	40	19	13	15°	WN..0804..	MW0804	M6X9P	HLD-1	M6X21	PL30	○	○	224850
S25S-DWLNR/L08	30	25	250	45	24	16.5	12°							○	○	224852
S32T-DWLNR/L08	38	32	300	50	30	20	17°							○	○	224854
S40T-DWLNR/L08	46	40	300	60	38	24	15°							○	○	224856

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S25S-EWLNR/L08	32	25	250	45	24	17	15°	WN..0804..	MW0804	CT618-Z	HLZ-08	M8X25	PL30 PL40	○	○	224860
S32T-EWLNR/L08	40	32	300	50	30	22	15°							○	○	224862
S40T-EWLNR/L08	50	40	300	60	38	27	12°							○	○	224864
S50U-EWLNR/L08	60	50	350	70	48	35	12°							○	○	224866

Ordering code	Dimensions							Insert	Shim	Pin	Clamp	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	L	L1	H	f	$\alpha^\circ$							R	L	
S16Q-SWLNR/L08	21	16	11.5	180	26	14.8	15°	WN..0804..	M4.5×14W	T20	●	●	227600			
S18Q-SWLNR/L08	23	18	12.5	180	28	16.8	15°				●	●	227601			
S20R-SWLNR/L08	25	20	13.5	200	28	18.4	15°				●	●	227602			



Internal Turning

(Inserts): A15-A16 (Toolholder Parts): P01-P04

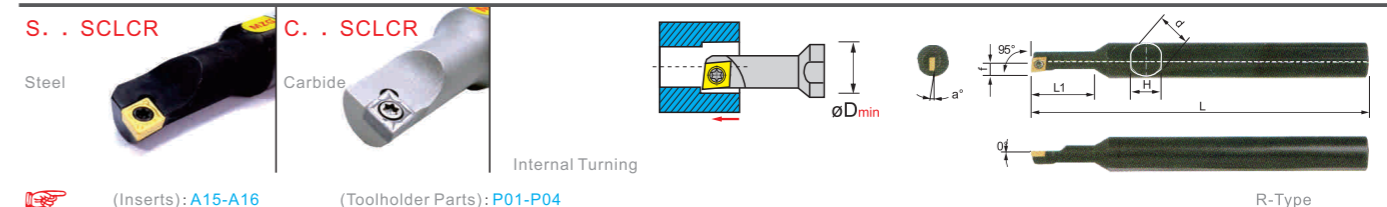
Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
S07K-SCLCR/L06	9	7	4.9	125	14	6	15°	CC..0602..	M2.5x5	T8	●	●	225000
S08K-SCLCR/L06	10	8	5	125	14	7	15°		●	●	225002		
S10K-SCLCR/L06	12	10	6	125	14	9	13°		●	●	225004		
S12M-SCLCR/L06	16	12	9	150	25	11	10°		●	●	225006		
S16Q-SCLCR/L06	20	16	11	180	32	15	8°		●	●	225008		
S12M-SCLCR/L09	16	12	9	150	25	11	10°		●	●	225010		
S14N-SCLCR/L09	18	14	10	160	26	13	12°	CC..09T3..	M4x8	T15	●	●	225012
S16Q-SCLCR/L09	20	16	11	180	28	15	12°				●	●	225014
S18Q-SCLCR/L09	22	18	12	180	28	17	8°				●	●	225016
S20R-SCLCR/L09	25	20	13	200	32.5	18	8°				●	●	225018
S25S-SCLCR/L09	32	25	17	250	45	23	6°				●	●	225020
S25S-SCLCR/L12	32	25	17	250	45	23	6°				●	●	225022
S32T-SCLCR/L12	40	32	22	300	20	30	10°	CC..1204..	M5x12	T20	●	●	225024
S40T-SCLCR/L12	50	40	27	300	60	37	8°				●	●	225026
S10K-SCLPR/L08	12	10	6	125	14	9	13°				CP..0802..	M3x5	T9
S12M-SCLPR/L08	14	12	7	150	25	11	10°	●	●	225030			
S12M-SCLPR/L09	14	12	7	150	25	11	10°	●	●	225032			
S16Q-SCLPR/L09	18	16	9	180	28	15	10°	CP..0903..	M4x8	T15	●	●	225034
S20R-SCLPR/L09	22	20	11	200	32	19	8°				●	●	225036

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
C04G-SCLCR/L03-05	5	4	2.8	90	10	3.6	15°	CC..0301..	M1.8x2.5	T6	●	●	225100
C05H-SCLCR/L03-06	6	5	3	100	10	4.5	15°				●	●	225102
C05H-SCLCR/L04-06	6	5	3	100	10	4.5	15°				●	●	225104
C06J-SCLCR/L04-07	7	6	3.5	110	12	5.4	15°	CC..0401..	M2.2x3.1	T7	●	●	225106
C07J-SCLCR/L04-08	8	7	4	110	15	6	15°				●	●	225108
C08K-SCLCR/L06-10	10	8	5	125	15	7	15°	CC..0602..	M2.5x6	T8	●	●	225110
C10M-SCLCR/L06-12	12	10	6	150	15	9	13°				●	●	225112
C12M-SCLCR/L06-14	14	12	7	150	20	11	10°				●	●	225114
C12Q-SCLCR/L06-14	14	12	7	180	20	11	10°				●	●	225116
C16R-SCLCR/L06-18	18	16	9	200	25	15	8°				●	●	225118
C12M-SCLCR/L09-14	14	12	7	150	20	11	12°				●	●	225120
C12Q-SCLCR/L09-14	14	12	7	180	20	11	12°				●	●	225122
C14M-SCLCR/L09-16	16	14	8	150	20	13	12°				●	●	225124
C16M-SCLCR/L09-18	18	16	9	150	25	15	12°				●	●	225126
C16R-SCLCR/L09-18	18	16	9	200	25	15	12°				●	●	225128
C20R-SCLCR/L09-22	22	20	11	200	30	19	8°				●	○	225130
C20S-SCLCR/L09-22	22	20	11	250	30	19	8°				○	○	225132
C25R-SCLCR/L09-32	29	25	14.5	200	35	24	6°	○	○	225134			
C25S-SCLCR/L09-32	29	25	14.5	250	35	24	6°	○	○	225136			
C10M-SCLPR/L08-12	12	10	6	150	15	9	13°	CP..0802..	M3x5	T9	●	●	225138
C12Q-SCLPR/L08-14	14	12	7	180	20	11	10°				●	●	225140
C12Q-SCLPR/L09-14	14	12	7	180	20	11	12°	CP..0903..	M4x8	T15	●	●	225142
C16R-SCLPR/L09-18	18	16	9	200	25	15	12°				●	●	225144
C04G-SJLCR/L03-055	5.5	4	2.95	90	10	3.6	15°	JC..0301..	M1.8x2.5	T6	●	●	225146

Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
E05H-SCLCR/L03-06	6	5	3	100	10	4.5	15°	CC..0301..	M1.8x2.5	T6	●	○	225150
E06J-SCLCR/L04-07	7	6	3.5	110	12	5.4	15°				●	○	225152
E08K-SCLCR/L06-10	10	8	5	125	15	7	15°				●	○	225154
E10M-SCLCR/L06-12	12	10	6	150	15	9	13°	CC..0602..	M2.5x6	T8	●	○	225156
E12M-SCLCR/L06-14	14	12	7	150	20	11	10°				●	○	225158
E12Q-SCLCR/L06-14	14	12	7	180	20	11	10°				●	○	225160
E16R-SCLCR/L06-18	18	16	9	200	25	15	8°				●	○	225162
E12M-SCLCR/L09-14	14	12	7	150	20	11	12°				●	○	225164
E12Q-SCLCR/L09-14	14	12	7	180	20	11	12°				●	○	225166
E16R-SCLCR/L09-18	18	16	9	200	25	15	12°				●	○	225168
E20R-SCLCR/L09-22	22	20	11	200	30	19	8°				●	○	225170
E20S-SCLCR/L09-22	22	20	11	250	30	19	8°				●	○	225172

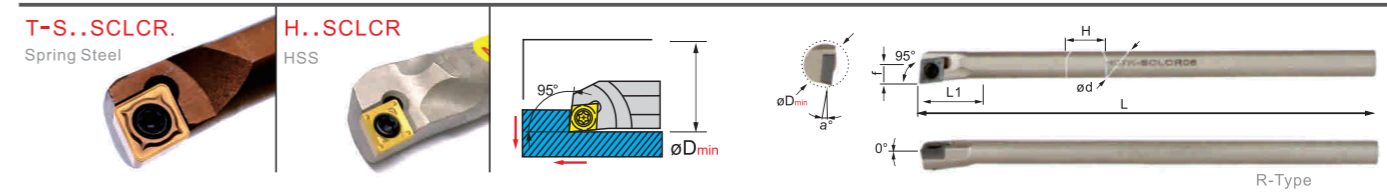


(Inserts): A15-A16 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number	
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L		
S07M-SCLCR/L06-A16	9	16	4.5	150	20	15	15°	CC..0602..	M2.5x5	T8	●	●	225200	
S08M-SCLCR/L06-A16	10	16	5	150	20	15	13°				●	●	225202	
S10M-SCLCR/L06-A16	12	16	6	150	20	15	12°				●	●	225204	
S12M-SCLCR/L06-A16	14	16	7	150	25	15	10°		●	●	225206			
S12M-SCLCR/L09-A16	16	16	8	150	25	15	10°		CC..09T3..	M4x8	T15	●	●	225208
S14Q-SCLCR/L09-A16	16	16	8	180	35	15	10°					●	●	225210
S14Q-SCLCR09/L-A16-60L	16	16	8	180	60	15	10°	●	●	225212				

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
C0604H-SCLCR/L03-05-10	5	6	2.5	100	10	5.5	15°	CC..0301..	M1.8x2.5	T6	●	●	225214
C0605H-SCLCR/L03-06-10	6	6	3	100	10	5.5	15°				●	●	225216
C0807K-SCLCR/L04-08-15	8	8	4	125	15	7	15°				●	●	225218



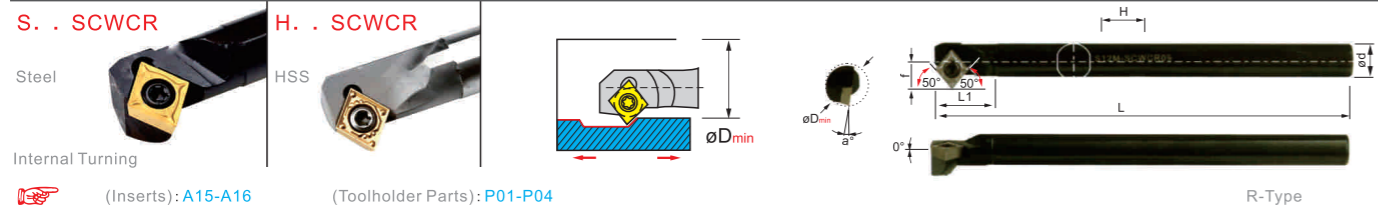
(Inserts): A15-A16 (Toolholder Parts): P01-P04

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
T-S07K-SCLCR/L06	9	7	4.9	125	14	6	15°	CC..0602..	M2.5x5	T8	●	●	225220
T-S08K-SCLCR/L06	10	8	5	125	14	7	15°				●	●	225222
T-S10K-SCLCR/L06	12	10	6	125	14	9	13°				●	●	225224
T-S12M-SCLCR/L06	16	12	9	150	25	11	10°		●	●	225226		
T-S16Q-SCLCR/L06	20	16	11	180	32	15	8°		●	●	225228		
T-S12M-SCLCR/L09	16	12	9	150	25	11	10°		CC..09T3..	M4x8	T15	●	●
T-S14N-SCLCR/L09	18	14	10	160	26	13	12°	●				●	225232
T-S16Q-SCLCR/L09	20	16	11	180	28	15	12°	●				●	225234
T-S18Q-SCLCR/L09	22	18	12	180	28	17	8°	●				●	225236
T-S20R-SCLCR/L09	25	20	13	200	32.5	18	8°	●				●	225238
T-S25S-SCLCR/L09	32	25	17	250	45	23	6°	●				●	225239

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
H04F-SCLCR/L03	4.8	4	2.5	80	15	3.6	15°	CC..0301..	M1.8x2.5	T6	●	●	225250
H05G-SCLCR/L03	5.5	5	2.8	90	15	4.5	15°				●	●	225252
H05H-SCLCR/L04	5.8	5	2.8	100	22	4.5	15°				●	●	225254
H06J-SCLCR/L04	7	6	3.5	110	25	5	15°	CC..0401..	M2.2x3.1	T7	●	●	225256
H07K-SCLCR/L06	9	7	4.9	125	35	6	15°				●	●	225258
H08K-SCLCR/L06	10	8	5	125	40	7	15°				●	●	225260
H10K-SCLCR/L06	12	10	6	125	50	9	13°	CC..0602..	M2.5x6	T8	●	●	225266
H12M-SCLCR/L06	14	12	7	150	60	11	10°				●	●	225268
H12M-SCLCR/L09	16	12	9	150	60	11	12°				●	●	225270
H14Q-SCLCR/L09	16	14	8.5	180	70	13	12°				●	●	225272
H16R-SCLCR/L09	18	16	9.5	200	80	15	12°				●	●	225274
H18R-SCLCR/L09	20	18	10.5	200	90	17	8°				●	●	225276
H20X-SCLCR/L09	22	20	11.5	230	100	19	8°	CC..09T3..	M4x8	T15	●	●	225278
H25S-SCLCR/L09	28	25	15	250	100	23	6°				●	●	225280

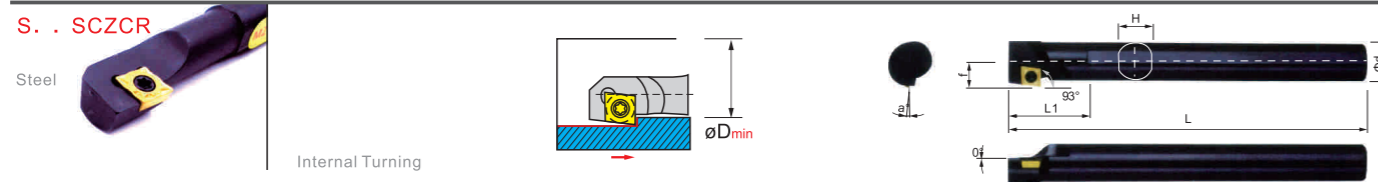


(Inserts): A15-A16 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SCWCR/L06	12	8	7	125	14	7	13°	CC..0602..	M2.5×6	T8	•	•	225380
S10K-SCWCR/L06	14	10	8	125	14	9	13°				•	•	225382
S12M-SCWCR/L06	16	12	9	150	16	11	10°				•	•	225384
S12M-SCWCR/L09	17	12	9.5	150	18	11	10°	CC..09T3..	M4×8	T15	•	•	225386
S16Q-SCWCR/L09	21	16	11.5	180	20	15	10°				•	•	225388
S20R-SCWCR/L09	25	20	13.5	200	22	19	8°				•	•	225390

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SCWCR/L06	12	8	7	125	14	7	13°	CC..0602..	M2.5×6	T8	•	•	225391
H10K-SCWCR/L06	14	10	8	125	14	9	13°				•	•	225392
H12M-SCWCR/L06	16	12	9	150	16	11	10°				•	•	225394
H12M-SCWCR/L09	17	12	9.5	150	18	11	10°	CC..09T3..	M4×8	T15	•	•	225396
H16Q-SCWCR/L09	21	16	11.5	180	20	15	10°				•	•	225398
H20R-SCWCR/L09	25	20	13.5	200	22	19	8°				•	•	225399

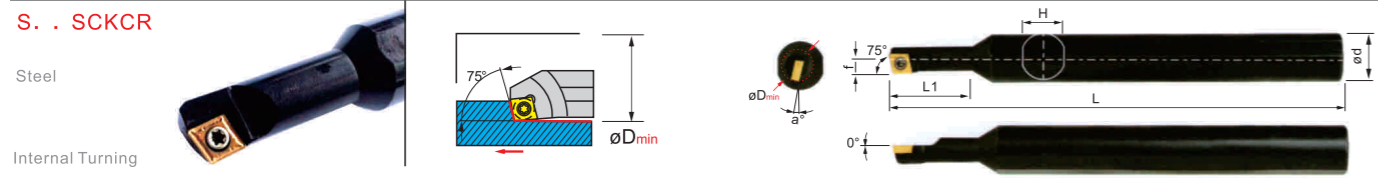


(Inserts): A15-A16 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SCZCR/L06	12	8	6.5	125	25	7	13°	CC..0602..	M2.5×6	T8	•	•	225400
S10K-SCZCR/L06	14	10	7.5	125	27	9	12°				•	•	225402
S12M-SCZCR/L06	16	12	8.5	150	30	11	10°				•	•	225404
S16Q-SCZCR/L06	20	16	10.5	180	35	15	18°	CC..09T3..	M4×8	T15	•	•	225406
S12M-SCZCR/L09	17	12	10	150	30	11	12°				•	•	225407
S16Q-SCZCR/L09	21	16	11.5	180	35	15	10°				•	•	225408
S20R-SCZCR/L09	25	20	13.5	200	40	19	8°	•	•	225410			
S25S-SCZCR/L09	32	25	16	250	42	24	6°	•	•	225412			

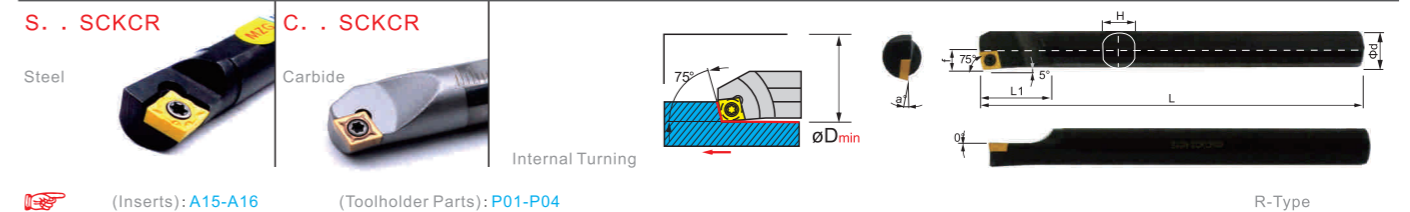
Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C04X-SJZCR/L03-065	6.5	4	4	93	4.8	3.6	15°	JC..0301..	M1.8×2.5	T6	•	•	225414
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(Inserts): A15-A16 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S07M-SCKCR/L06-A16	9	16	4.9	150	25	15	15°	CC..0602..	M2.5×6	T8	•	•	225390
S08M-SCKCR/L06-A16	10	16	5.5	150	28	15	13°				•	•	225392
S10M-SCKCR/L06-A16	12	16	6	150	30	15	12°				•	•	225394
S12M-SCKCR/L06-A16	14	16	7	150	35	15	10°				•	•	225396

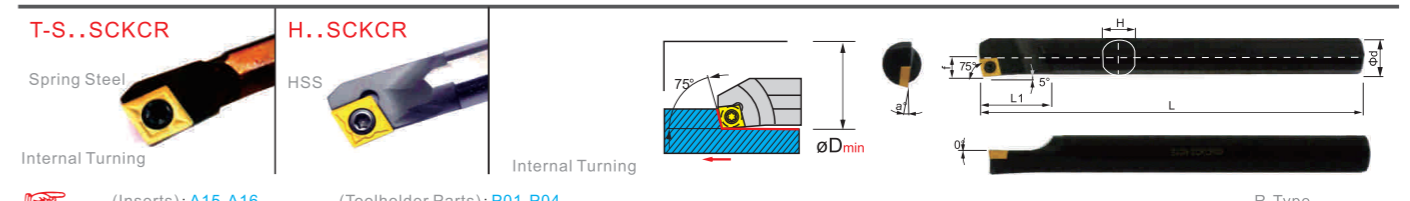


(Inserts): A15-A16 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	•	•	225300
S10K-SCKCR/L06	13.5	10	6	125	22	9	12°				•	•	225302
S12M-SCKCR/L06	16	12	7	150	23	11	10°				•	•	225304
S12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	•	•	225306
S14N-SCKCR/L09	15	14	8	160	30	13	10°				•	•	225308
S16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				•	•	225310
S20R-SCKCR/L09	23	20	11.5	200	35	19	8°	CC..1204..	M4×8	T15	•	•	225312
S25S-SCKCR/L09	31	25	14	250	40	24	6°				•	•	225314
S16Q-SCKCR/L12	19	16	9.5	180	30	15	10°				•	•	225313
S20R-SCKCR/L12	23	20	12	200	40	19	10°	•	•	225315			

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SCKCR/L06	10	8	5.5	125	15	7	13°	CC..0602..	M2.5×6	T8	•	•	225316
C10K-SCKCR/L06	13	10	6	125	15	9	12°				•	•	225318
C12M-SCKCR/L06	16	12	7	150	20	11	10°				•	•	225320
C12M-SCKCR/L09	16	12	7	150	20	11	12°	CC..09T3..	M4×8	T15	•	•	225322
C16Q-SCKCR/L09	20	16	9	180	25	13	10°				•	•	225324
C20R-SCKCR/L09	24	20	11.5	200	30	15	10°				•	•	225326
C20S-SCKCR/L09	24	20	11.5	250	30	19	8°	•	•	225328			

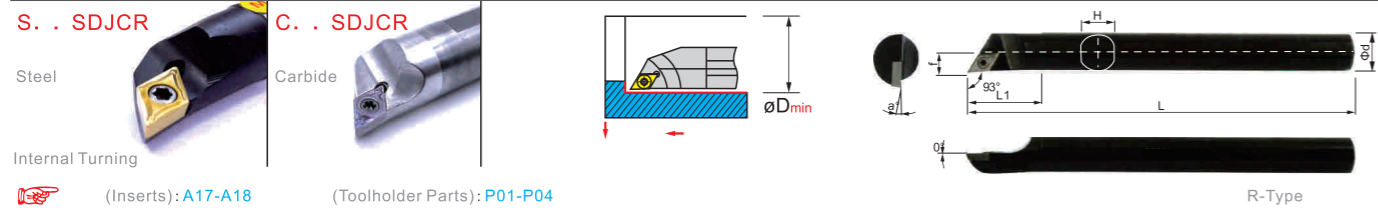


(Inserts): A15-A16 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
T-S08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	•	•	225330
T-S10K-SCKCR/L06	13.5	10	6	125	22	9	12°				•	•	225332
T-S12M-SCKCR/L06	16	12	7	150	23	11	10°				•	•	225334
T-S12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	•	•	225336
T-S14N-SCKCR/L09	15	14	8	160	30	13	10°				•	•	225338
T-S16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				•	•	225340
T-S20R-SCKCR/L09	23	20	11.5	200	35	19	8°	CC..09T3..	M4×8	T15	•	•	225346
T-S25S-SCKCR/L09	31	25	14	250	40	24	6°				•	•	225348

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SCKCR/L06	10.5	8	5.5	125	20	7	13°	CC..0602..	M2.5×6	T8	•	•	225350
H10K-SCKCR/L06	13.5	10	6	125	22	9	12°				•	•	225352
H12M-SCKCR/L06	16	12	7	150	23	11	10°				•	•	225354
H12M-SCKCR/L09	14	12	8	150	30	11	12°	CC..09T3..	M4×8	T15	•	•	225356
H14N-SCKCR/L09	15	14	8	160	30	13	10°				•	•	225358
H16Q-SCKCR/L09	18	16	9.5	180	30	15	10°				•	•	225360
H20R-SCKCR/L09	23	20	11.5	200	35	19	8°	CC..09T3..	M4×8	T15	•	•	225366
H25S-SCKCR/L09	31	25	14	250	40	24	6°				•	•	225368

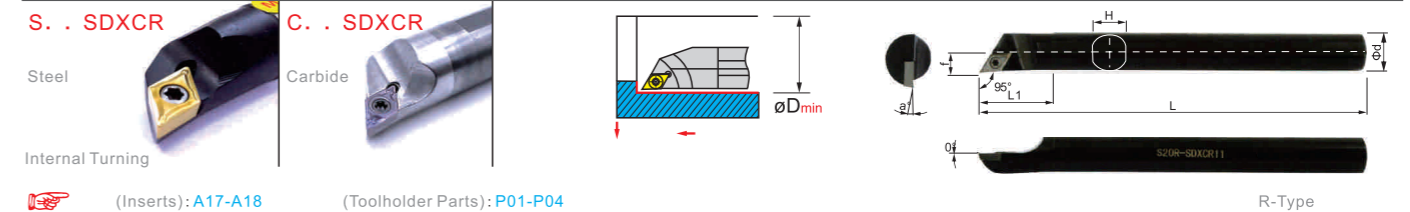


(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225965
S10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225966
S12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225967
S16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225968
S16Q-SDJCR/L11	20	16	9.5	180	35	11	10°				●	●	225969
S20R-SDJCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225970
S25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225971

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SDJCR/L07	10	8	5.5	125	15	7	12°	DC..0702..	M2.5×6	T8	●	●	225972
C10M-SDJCR/L07	13	10	7	150	15	9	10°				●	●	225973
C12M-SDJCR/L07	16	12	9	150	20	11	8°				●	●	225975
C16R-SDJCR/L07	20	16	11	200	25	15	6°				●	●	225976
C20R-SDJCR/L11	25	20	13	200	30	19	6°				●	●	225977
C20S-SDJCR/L11	25	20	13	250	30	19	6°	DC..11T3..	M4×10	T15	●	●	225978
C25R-SDJCR/L11	32	25	17	200	35	24	4°				●	●	225979
C25S-SDJCR/L11	32	25	17	250	35	24	4°				●	●	225980

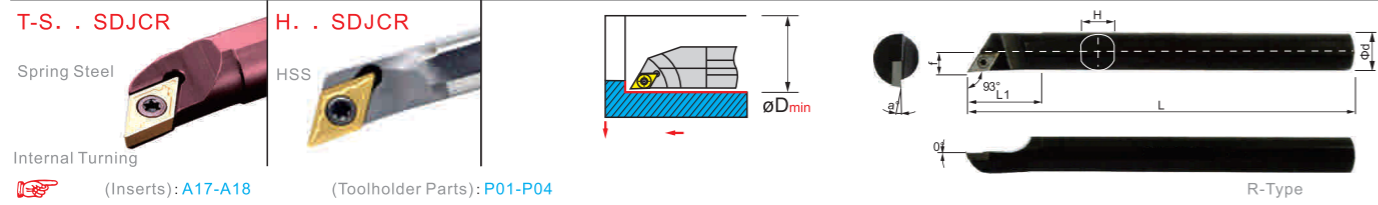


(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225900
S10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225902
S12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225904
S16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225906
S16Q-SDXCR/L11	20	16	9.5	180	35	11	10°				●	●	225908
S20R-SDXCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225910
S25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225912

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-SDXCR/L07	10	8	5.5	125	15	7	12°	DC..0702..	M2.5×6	T8	●	●	225914
C10M-SDXCR/L07	13	10	7	150	15	9	10°				●	●	225916
C12M-SDXCR/L07	16	12	9	150	20	11	8°				●	●	225918
C16R-SDXCR/L07	20	16	11	200	25	15	6°				●	●	225920
C20R-SDXCR/L11	25	20	13	200	30	19	6°				●	●	225922
C20S-SDXCR/L11	25	20	13	250	30	19	6°	DC..11T3..	M4×10	T15	●	●	225924
C25R-SDXCR/L11	32	25	17	200	35	24	4°				●	●	225926
C25S-SDXCR/L11	32	25	17	250	35	24	4°				●	●	225928



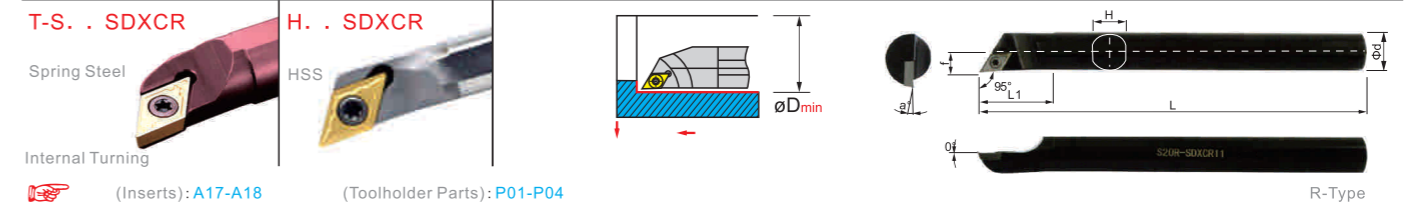
(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
T-S08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225981
T-S10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225982
T-S12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225983
T-S16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225985
T-S16Q-SDJCR/L11	20	16	9.5	180	35	11	10°				●	●	225986
T-S20R-SDJCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225987
T-S25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225988

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDJCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225990
H10K-SDJCR/L07	13	10	7	125	25	7	10°				●	●	225991
H12M-SDJCR/L07	16	12	9	150	30	8.5	8°				●	●	225992
H16Q-SDJCR/L07	20	16	11	180	30	11	6°				●	●	225993
H16Q-SDJCR/L11	20	16	9.5	180	35	11	10°				●	●	225995
H20R-SDJCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225996
H25S-SDJCR/L11	32	25	17	250	40	17	4°				●	●	225998



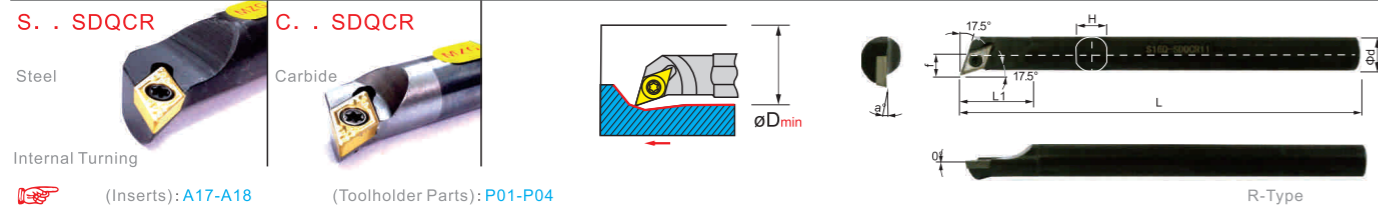
(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
T-S08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225930
T-S10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225932
T-S12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225934
T-S16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225936
T-S16Q-SDXCR/L11	20	16	9.5	180	35	11	10°				●	●	225938
T-S20R-SDXCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225940
T-S25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225945

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDXCR/L07	10	8	5.5	125	20	5.5	12°	DC..0702..	M2.5×6	T8	●	●	225950
H10K-SDXCR/L07	13	10	7	125	25	7	10°				●	●	225952
H12M-SDXCR/L07	16	12	9	150	30	8.5	8°				●	●	225954
H16Q-SDXCR/L07	20	16	11	180	30	11	6°				●	●	225956
H16Q-SDXCR/L11	20	16	9.5	180	35	11	10°				●	●	225958
H20R-SDXCR/L11	25	20	13	200	40	13	6°	DC..11T3..	M4×10	T15	●	●	225960
H25S-SDXCR/L11	32	25	17	250	40	17	4°				●	●	225962

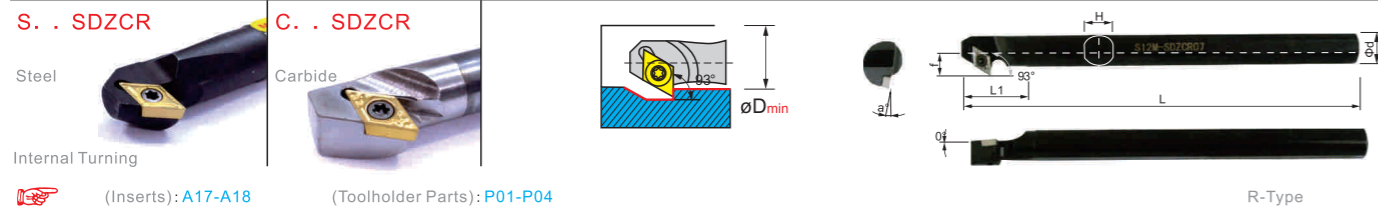


(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SDQCR/L07	12	8	7	125	23	7	13°	DC..0702..	M2.5x6	T8	●	●	225601
S10K-SDQCR/L07	13	10	7	125	23	9	10°				●	●	225600
S12M-SDQCR/L07	16	12	9	150	30	11	8°				●	●	225602
S14N-SDQCR/L07	17	14	9	160	30	13	8°				●	●	225601
S16Q-SDQCR/L07	20	16	10.5	180	30	15	6°	●	●	225604			
S16Q-SDQCR/L11	20	16	10.5	180	30	15	6°	●	●	225605			
S20R-SDQCR/L11	23	20	13	200	39	19	6°	DC..11T3..	M4x8	T15	●	●	225606
S25S-SDQCR/L11	30	25	16	250	40	24	4°				●	●	225608
S32T-SDQCR/L11	38	32	20	300	43	30	4°				●	●	225610
											●	●	225610

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C10M-SDQCR/L07	13	10	7	150	15	9	10°	DC..0702..	M2.5x6	T8	●	●	225612
C12M-SDQCR/L07	16	12	9	150	20	11	8°				●	●	225614
C12Q-SDQCR/L07	16	12	9	180	20	11	8°				●	●	225616
C14M-SDQCR/L07	18	14	10	150	25	13	8°				●	●	225618
C16M-SDQCR/L07	20	16	11	150	25	15	6°	●	●	225620			
C16R-SDQCR/L07	20	16	11	200	25	15	6°	●	●	225622			
C16M-SDQCR/L11	20	16	11	150	25	15	6°	●	●	225624			
C16R-SDQCR/L11	20	16	11	200	25	15	6°	●	●	225626			
C20R-SDQCR/L11	23	20	13	200	30	19	6°	DC..11T3..	M4x8	T15	●	●	225628
C20S-SDQCR/L11	23	20	13	250	30	19	6°				●	●	225630
C25R-SDQCR/L11	31	25	16	200	35	24	4°				●	●	225632
C25S-SDQCR/L11	31	25	16	250	35	24	4°				●	●	225634

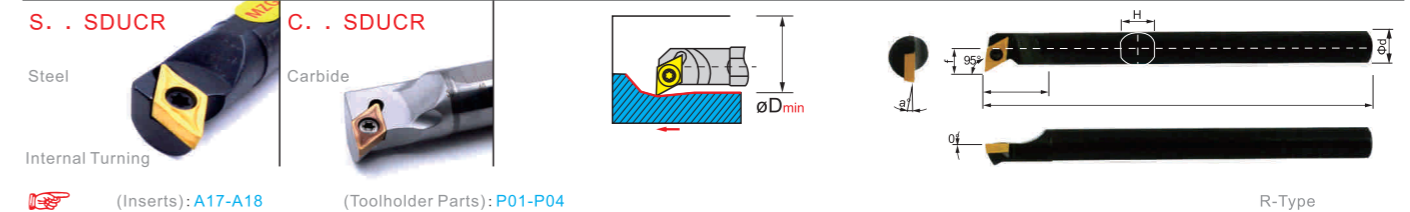


(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S10K-SDZCR/L07	15	10	8.5	125	28	9	12°	DC..0702..	M2.5x6	T8	●	●	225700
S12M-SDZCR/L07	18	12	9.5	150	30	11	10°				●	●	225702
S16Q-SDZCR/L07	24	16	11.5	180	30	15	8°				●	●	225704
S16Q-SDZCR/L11	25	16	13.3	180	35	15	10°	●	●	225705			
S20R-SDZCR/L11	28	20	14.5	200	40	19	8°	DC..11T3..	M4x8	T15	●	●	225706
S25S-SDZCR/L11	34	25	17	250	45	24	6°				●	●	225708
S32T-SDZCR/L11	38	32	20.5	300	50	30	4°				●	●	225710

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C10M-SDZCR/L07	14	10	8.5	150	15	9	12°	DC..0702..	M2.5x6	T8	●	●	225712
C12M-SDZCR/L07	17	12	10.5	150	20	11	10°				●	●	225714
C16R-SDZCR/L07	21	16	12.5	200	25	15	8°				●	●	225716
C20R-SDZCR/L11	26	20	15.5	200	30	19	8°				●	●	225718
C20S-SDZCR/L11	26	20	15.5	250	30	19	8°	DC..11T3..	M4x8	T15	●	●	225720
C25R-SDZCR/L11	33	25	18	200	35	24	6°				●	●	225722
C25S-SDZCR/L11	33	25	18	250	35	24	6°				●	●	225724

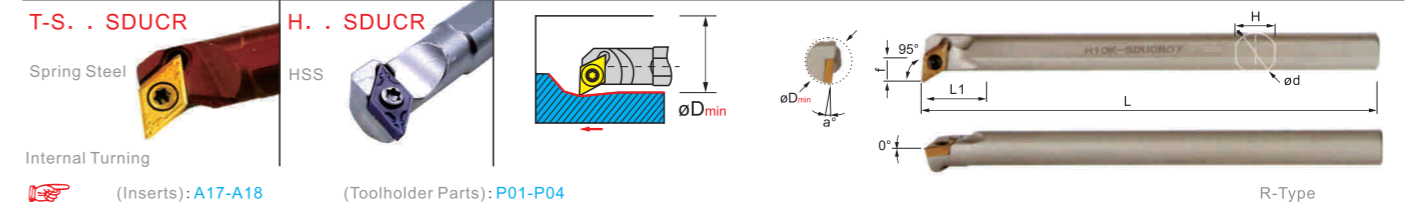


(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5x6	T8	●	●	225500
S10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225502
S12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225504
S14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225505
S16Q-SDUCR/L07	22	16	11	180	30	15	6°	●	●	225506			
S16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4x8	T15	●	●	225508
S18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225509
S20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225510
S25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225512
S32T-SDUCR/L11	50	32	24	300	45	30	4°	●	●	225514			

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C10M-SDUCR/L07	13	10	7	150	15	9	10°	DC..0702..	M2.5x6	T8	●	●	225516
C12M-SDUCR/L07	16	12	9	150	20	11	8°				●	●	225518
C12Q-SDUCR/L07	16	12	9	180	20	11	8°				●	●	225520
C14M-SDUCR/L07	18	14	10	150	25	13	8°				●	●	225522
C16M-SDUCR/L07	20	16	11	150	25	15	6°	●	●	225524			
C16R-SDUCR/L07	20	16	11	200	25	15	6°	●	●	225526			
C16M-SDUCR/L11	20	16	11	150	25	15	6°	DC..11T3..	M4x8	T15	●	●	225528
C16R-SDUCR/L11	20	16	11	200	25	15	6°				●	●	225530
C20R-SDUCR/L11	23	20	12.5	200	30	19	6°				●	●	225532
C20S-SDUCR/L11	23	20	12.5	250	30	19	6°				●	●	225534
C25R-SDUCR/L11	31	25	16	200	35	24	4°	●	●	225536			
C25S-SDUCR/L11	31	25	16	250	35	24	4°	●	●	225538			



(Inserts): A17-A18 (Toolholder Parts): P01-P04 R-Type

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

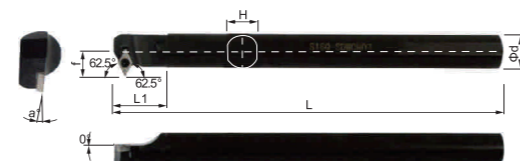
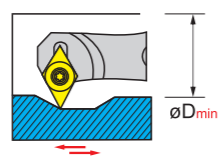
Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
T-S08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5x6	T8	●	●	225550
T-S10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225552
T-S12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225554
T-S14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225555
T-S16Q-SDUCR/L07	22	16	11	180	30	15	6°	●	●	225556			
T-S16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4x8	T15	●	●	225558
T-S18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225559
T-S20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225560
T-S25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225562

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-SDUCR/L07	13	8	6.5	125	20	7	12°	DC..0702..	M2.5x6	T8	●	●	225570
H10K-SDUCR/L07	15	10	8	125	25	9	10°				●	●	225572
H12M-SDUCR/L07	17	12	9	150	28	11	8°				●	●	225574
H14N-SDUCR/L07	17	14	9	160	28	13	8°				●	●	225575
H16Q-SDUCR/L07	22	16	11	180	30	15	6°	●	●	225576			
H16Q-SDUCR/L11	22	16	11	180	30	15	6°	DC..11T3..	M4x8	T15	●	●	225578
H18Q-SDUCR/L11	24	18	13	180	40	17	6°				●	●	225579
H20R-SDUCR/L11	32	20	16	200	40	19	6°				●	●	225580
H25S-SDUCR/L11	39	25	20	150	40	24	4°				●	●	225582

S. . SDWCR

Steel



Internal Turning

(Inserts): A17-A18 (Toolholder Parts): P01-P04

R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S10K-SDWCR/L07	16	10	10	125	20	9	10°	DC..0702..	M2.5×6	T8	●	●	225801
S12M-SDWCR/L07	19	12	10.5	150	28	11	10°				●	●	225800
S14N-SDWCR/L07	20	14	11.5	160	30	13	10°				●	●	225803
S16Q-SDWCR/L07	23	16	12.5	180	30	15	8°				●	●	225802
S20R-SDWCR/L07	26	20	14.5	200	30	19	6°				●	●	225804
S16Q-SDWCR/L11	24	16	15	180	25	15	8°	DC..11T3..	M4×8	T15	●	●	225805
S20R-SDWCR/L11	26	20	14.5	200	40	19	6°				●	●	225806
S25S-SDWCR/L11	32	25	17	250	45	24	4°				●	●	225808
S32T-SDWCR/L11	38	32	20	300	50	30	2°				●	●	225810

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H10K-SDWCR/L07	16	10	10	125	20	9	10°	DC..0702..	M2.5×6	T8	●	●	225831
H12M-SDWCR/L07	19	12	10.5	150	28	11	10°				●	●	225830
H14N-SDWCR/L07	20	14	11.5	160	30	13	10°				●	●	225833
H16Q-SDWCR/L07	23	16	12.5	180	30	15	8°				●	●	225832
H20R-SDWCR/L07	26	20	14.5	200	30	19	6°				●	●	225834
H16Q-SDWCR/L11	24	16	15	180	25	15	8°	DC..11T3..	M4×8	T15	●	●	225835
H20R-SDWCR/L11	26	20	14.5	200	40	19	6°				●	●	225836
H25S-SDWCR/L11	32	25	17	250	45	24	4°				●	●	225838

S. . SSKCR

Steel



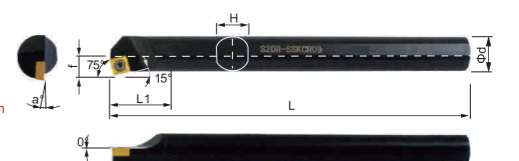
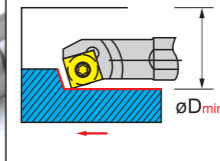
C. . SSKCR

Carbide



H. . SSKCR

HSS



Internal Turning

(Inserts): A20 (Toolholder Parts): P01-P04

R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226800
S14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226801
S16Q-SSKCR/L09	20	16	10.5	180	30	15	10°				●	●	226802
S18Q-SSKCR/L09	22	18	11.5	180	40	17	10°				●	●	226803
S20R-SSKCR/L09	25	20	12.5	200	40	19	8°				●	●	226804
S25S-SSKCR/L09	31	25	15	250	40	24	6°		●		●	226806	

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

C12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226826
C14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226828
C16Q-SSKCR/L09	20	16	10.5	180	30	15	10°				●	●	226830
C18Q-SSKCR/L09	22	18	11.5	180	40	17	10°				●	●	226832
C20R-SSKCR/L09	25	20	12.5	200	40	19	8°				●	●	226836
C25S-SSKCR/L09	31	25	15	250	40	24	6°	●	●	226838			

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H12M-SSKCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226856
H14N-SSKCR/L09	19	14	9.5	160	30	13	12°				●	●	226858
H16Q-SSKCR/L09	20	16	10.5	180	30	15	10°				●	●	226860
H18Q-SSKCR/L09	22	18	11.5	180	40	17	10°				●	●	226862
H20R-SSKCR/L09	25	20	12.5	200	40	19	8°				●	●	226866
H25S-SSKCR/L09	31	25	15	250	40	24	6°		●		●	226868	

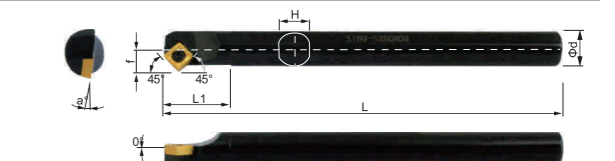
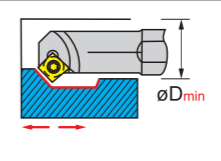
S. . SSSCR

Steel



H. . SSSCR

HSS



Internal Turning

(Inserts): A20 (Toolholder Parts): P01-P04

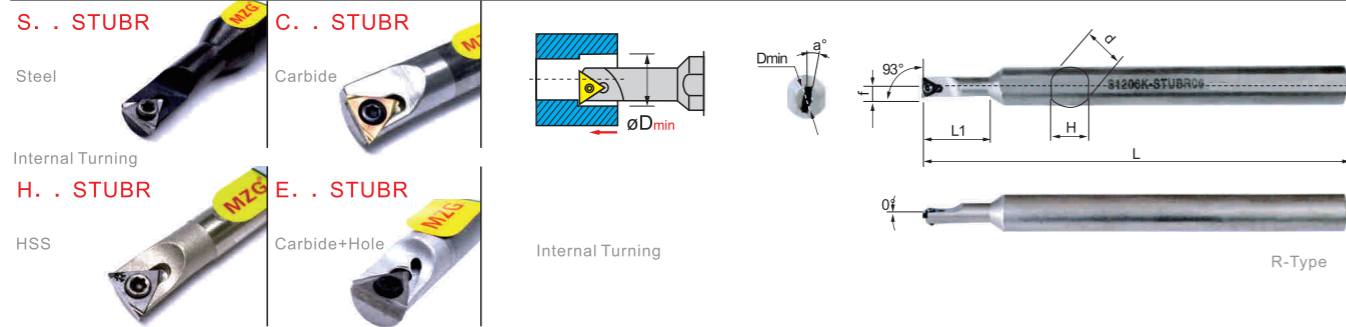
R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S12M-SSSCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226700
S14N-SSSCR/L09	19	14	9.5	160	30	13	12°				●	●	226701
S16Q-SSSCR/L09	20	16	11.5	180	35	15	10°				●	●	226702
S18Q-SSSCR/L09	22	18	12.5	180	40	17	10°				●	●	226703
S20R-SSSCR/L09	26	20	13.5	200	40	19	8°				●	●	226704
S25S-SSSCR/L09	32	25	16	250	40	24	6°		●		●	226706	
S32T-SSSCR/L09	38	32	19.5	300	45	30	4°		●		●	226708	

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

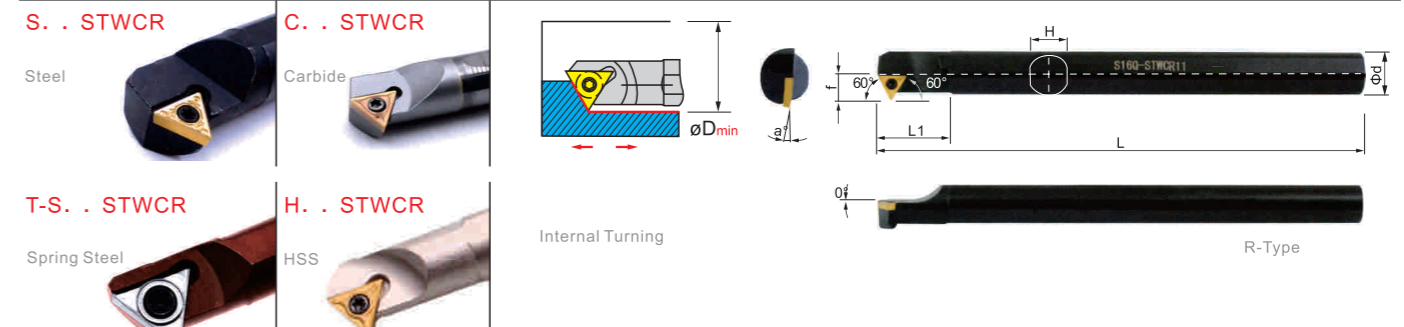
H12M-SSSCR/L09	16	12	8.5	150	30	11	12°	SC..09T3..	M4×8	T15	●	●	226730
H14N-SSSCR/L09	19	14	9.5	160	30	13	12°				●	●	226731
H16Q-SSSCR/L09	20	16	11.5	180	35	15	10°				●	●	226732
H18Q-SSSCR/L09	22	18	12.5	180	40	17	10°		●		●	226733	
H20R-SSSCR/L09	26	20	13.5	200	40	19	8°		●		●	226734	
H25S-SSSCR/L09	32	25	16	250	40	24	6°		●		●	226736	





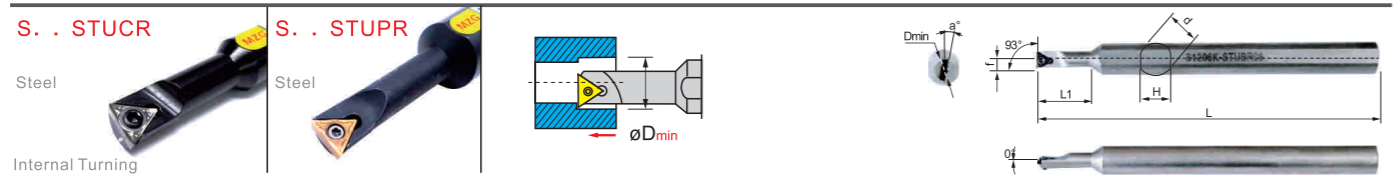
(Inserts): A21-A22 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S06H-STUBR/L06	7	6	4	100	15	5.4	12°	TB..0601..	M2x4	T6	•	•	226001
S0806H-STUBR/L06	7	8	3.5	110	20	7	12°				•	•	226000
S1006K-STUBR/L06	7	10	3.5	125	20	9	12°				•	•	226002
S1207K-STUBR/L06	8	12	4	125	25	11	12°				•	•	226004
S1607M-STUBR/L06	7	16	4	125	20	15	12°				•	•	226005
S1607M-STUBR/L06	8	16	4	150	25	15	12°				•	•	226006
Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C06J-STUBR/L06-07	7	6	3.5	110	10	5.5	12°	TB..0601..	M2x4	T6	•	•	226008
C07J-STUBR/L06-08	8	7	4	110	12	6	12°				•	•	226010
C08K-STUBR/L06-09	9	8	4.5	125	15	7	12°				•	•	226012
Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
C0807K-STUBR06-08	8	8	4	125	15	7	12°	TB..0601..	M2x4	T6	•	•	226014
Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)													
E06J-STUBR06/L-07	7	6	3.5	110	10	5	12°	TB..0601..	M2x4	T6	•	•	226016
High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)													
H06H-STUBR/L06	7	6	4	100	15	5.4	12°	TB..0601..	M2x4	T6	•	•	226020
H0806H-STUBR/L06	7	8	3.5	110	20	7	12°				•	•	226022
H1006K-STUBR/L06	7	10	3.5	125	20	9	12°				•	•	226024
H1207K-STUBR/L06	8	12	4	125	25	11	12°				•	•	226026
H1607M-STUBR/L06	7	16	4	125	20	15	12°				•	•	226028
H1607M-STUBR/L06	8	16	4	150	25	15	12°				•	•	226030



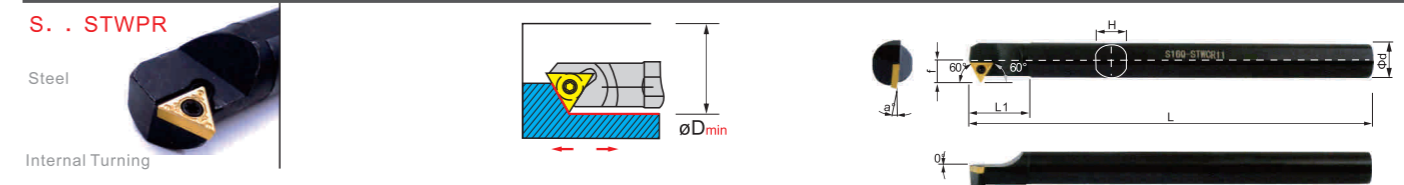
(Inserts): A21-A22 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number			
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L				
S08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2x6	T6	•	•	226600			
S10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5x7	T8	•	•	226602			
S12M-STWCR/L11	16	12	9	150	30	11	8°				•	•	226604			
S16Q-STWCR/L11	20	16	11	180	30	15	6°				•	•	226606			
S20R-STWCR/L11	25	20	13	200	35	19	4°				•	•	226608			
S20R-STWCR/L16	25	20	13	200	35	19	4°				TC..16T3..	M4x10	T15	•	•	226610
S25S-STWCR/L16	32	25	15	250	40	24	2°							•	•	226612
Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)																
C08K-STWCR/L09	11	8	5.5	125	15	7	12°	TC..0902..	M2.2x6	T6	•	•	226614			
C10M-STWCR/L11	14	10	8	150	20	9	10°	TC..1102..	M2.5x7	T8	•	•	226616			
C12M-STWCR/L11	16	12	9	150	20	11	8°				•	•	226618			
C16R-STWCR/L11	20	16	11	200	25	15	6°				•	•	226620			
C20R-STWCR/L11	25	20	13	200	30	19	4°				•	•	226622			
C20S-STWCR/L11	25	20	13	250	30	19	4°				•	•	226624			
Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)																
T-S08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2x6	T6	•	•	226650			
T-S10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5x7	T8	•	•	226652			
T-S12M-STWCR/L11	16	12	9	150	30	11	8°				•	•	226654			
T-S16Q-STWCR/L11	20	16	11	180	30	15	6°				•	•	226656			
T-S20R-STWCR/L11	25	20	13	200	35	19	4°				•	•	226658			
T-S20R-STWCR/L16	25	20	13	200	35	19	4°				TC..16T3..	M4x10	T15	•	•	226660
T-S25S-STWCR/L16	32	25	15	250	40	24	2°							•	•	226662
High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)																
H08K-STWCR/L09	11	8	5.5	125	25	7	12°	TC..0902..	M2.2x6	T6	•	•	226670			
H10K-STWCR/L11	14	10	8	125	25	9	10°	TC..1102..	M2.5x7	T8	•	•	226672			
H12M-STWCR/L11	16	12	9	150	30	11	8°				•	•	226674			
H16Q-STWCR/L11	20	16	11	180	30	15	6°				•	•	226676			
H20R-STWCR/L11	25	20	13	200	35	19	4°				•	•	226678			
H20R-STWCR/L16	25	20	13	200	35	19	4°				TC..16T3..	M4x10	T15	•	•	226680
H25S-STWCR/L16	32	25	15	250	40	24	2°							•	•	226682



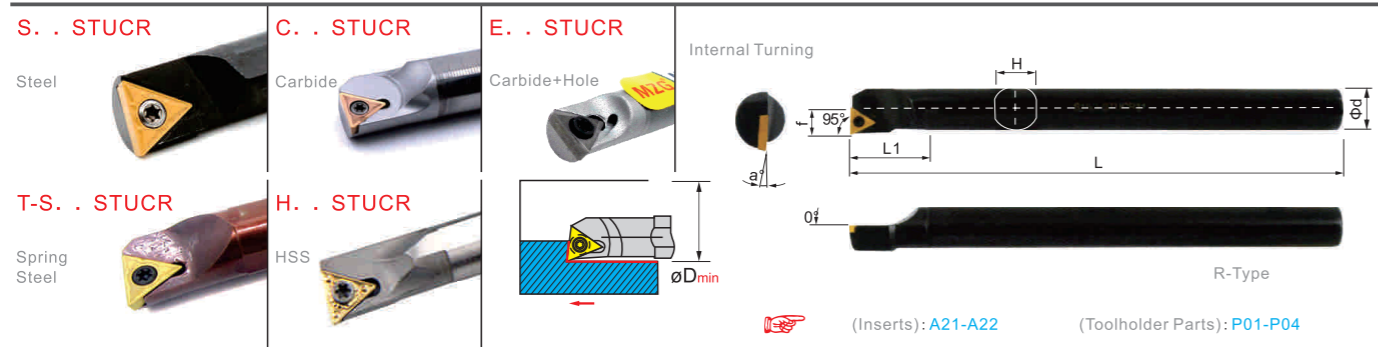
(Inserts): A21-A22 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S07K-STUPR/L08-A12	9	12	4.5	125	25	11	12°	TP..0802..	M2.2x6	T6	•	•	226300
S08M-STUPR/L08-A16	10	16	5	150	28	15	13°				•	•	226302
S10M-STUPR/L11-A16	12	16	6	150	30	15	12°				•	•	226301
S12M-STUPR/L11-A16	14	16	7	150	33	15	10°	TP..1103..	M3x8	T8	•	•	226303
S08K-STUCR/L09-A12	10	12	5.5	125	28	11	15°	TC..0902..	M2.5x6	T8	•	•	226304
S08M-STUCR/L09-A16	10	16	5.5	150	28	15	10°				•	•	226306
S10M-STUCR/L11-A16	12	16	6	150	30	15	12°	TC..1102..	M2.5x6	T8	•	•	226308
S12M-STUCR/L11-A16	14	16	7	150	33	15	10°				•	•	226310



(Inserts): A21-A22 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	$\phi D_{min}$	$\phi d$	f	L	L1	H	$\alpha^\circ$				R	L	
S08K-STWPR/L09	11	8	5.5	125	25	7	12°	TP..0902..	M2.5x6	T8	•	•	226650
S10K-STWPR/L11	14	10	8	125	25	9	10°	TP..1102..	M3x8	T10	•	•	226652
S12M-STWPR/L11	16	12	9	150	30	11	8°				•	•	226654
S16Q-STWPR/L11	20	16	11	180	30	15	6°				•	•	226656
S20R-STWPR/L11	25	20	13	200	35	19	4°				•	•	226658



Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L	
S08K-STUCR/L09B	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	•	•	226101
S10K-STUCR/L09B	12	10	6	125	24	9	13°				•	•	226103
S08K-STUCR/L09	10	8	5	125	23	7	15°				•	•	226100
S10K-STUCR/L09	12	10	6	125	24	9	13°				•	•	226102
S12M-STUCR/L09	14	12	7	150	27	11	10°				•	•	226104
S10K-STUCR/L11	12	10	6	125	24	9	12°				•	•	226106
S12M-STUCR/L11	14	12	7	150	27	11	10°				•	•	226108
S14Q-STUCR/L11	16	14	8	180	30	13	9°				•	•	226110
S16Q-STUCR/L11	18	16	9	180	30	15	8°				•	•	226112
S20R-STUCR/L11	23	20	11	200	35	19	6°				•	•	226114
S25S-STUCR/L11	28	25	13.5	250	40	24	4°	•	•	226116			
S16Q-STUCR/L16	18	16	9.5	180	28	15	10°	TC..1102..	M2.5×6	T8	•	•	226106
S20R-STUCR/L16	23	20	11.5	200	40	19	8°				•	•	226110
S25S-STUCR/L16	28	25	14	250	40	24	6°				•	•	226112
S32T-STUCR/L16	35	32	17.5	300	45	30	4°				•	•	226114
											•	•	226116
S16Q-STUCR/L16	18	16	9.5	180	28	15	10°	TC..16T3..	M4×10	T15	•	•	226117
S20R-STUCR/L16	23	20	11.5	200	40	19	8°				•	•	226118
S25S-STUCR/L16	28	25	14	250	40	24	6°				•	•	226120
S32T-STUCR/L16	35	32	17.5	300	45	30	4°				•	•	226122
											•	•	226124
											•	•	226126
											•	•	226128

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-STUCR/L09	10	8	5	125	12	7	15°	TC..0902..	M2.2×6	T6	•	•	226126
C10M-STUCR/L09	12	10	6	150	15	9	13°				•	•	226128
C12M-STUCR/L09	14	12	7	150	20	11	10°				•	•	226130
C12Q-STUCR/L09	14	12	7	180	20	11	10°				•	•	226132
C10M-STUCR/L11	12	10	6	150	15	9	12°				•	•	226134
C12M-STUCR/L11	14	12	7	150	20	11	10°				•	•	226136
C12Q-STUCR/L11	14	12	7	180	20	11	10°				•	•	226138
C14M-STUCR/L11	16	14	8	150	20	13	9°				•	•	226140
C16M-STUCR/L11	18	16	9	150	25	15	8°				•	•	226142
C16R-STUCR/L11	18	16	9	200	25	15	8°				•	•	226144
C20R-STUCR/L11	22	20	11	200	30	19	6°	•	•	226146			
C20S-STUCR/L11	22	20	11	250	30	19	6°	•	•	226148			
C25R-STUCR/L11	32	25	16	200	35	24	4°	•	•	226150			
C25S-STUCR/L11	32	25	16	250	35	24	4°	•	•	226152			

Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

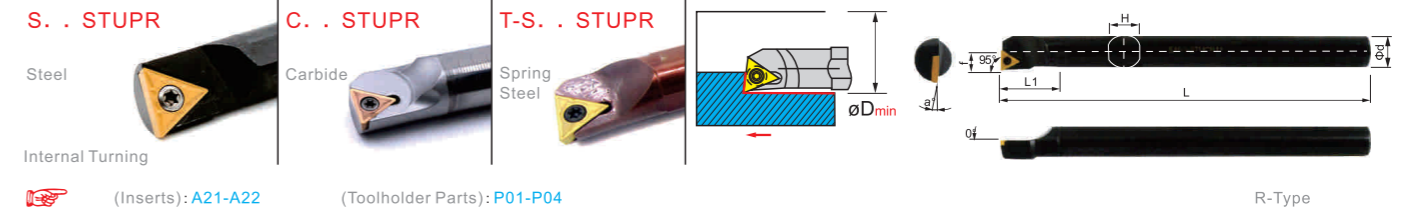
E08K-STUCR/L09	10	8	5	125	12	7	15°	TC..0902..	M2.2×6	T6	•	•	226156
E10M-STUCR/L11	12	10	6	150	15	9	13°				•	•	226158
E12M-STUCR/L11	14	12	7	150	20	11	10°				•	•	226160
E12Q-STUCR/L11	14	12	7	180	20	11	10°				•	•	226162
E16R-STUCR/L11	18	16	9	200	25	15	8°				•	•	226164
E20R-STUCR/L11	22	20	11	200	30	19	6°				•	•	226166
E20S-STUCR/L11	22	20	11	250	30	19	6°				•	•	226168
											•	•	226170
											•	•	226172
											•	•	226174

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

T-S08K-STUCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	•	•	226170
T-S10K-STUCR/L09	12	10	6	125	24	9	13°				•	•	226172
T-S12M-STUCR/L09	14	12	7	150	27	11	10°				•	•	226174
T-S10K-STUCR/L11	12	10	6	125	24	9	12°				•	•	226176
T-S12M-STUCR/L11	14	12	7	150	27	11	10°				•	•	226178
T-S14Q-STUCR/L11	16	14	8	180	30	13	9°				•	•	226180
T-S16Q-STUCR/L11	18	16	9	180	30	15	8°				•	•	226182
T-S20R-STUCR/L11	23	20	11	200	35	19	6°				•	•	226184
T-S25S-STUCR/L11	28	25	13.5	250	40	24	4°				•	•	226186
											•	•	226188

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

H08K-STUCR/L09	10	8	5	125	23	7	15°	TC..0902..	M2.5×6	T8	•	•	226188
H10K-STUCR/L09	12	10	6	125	24	9	13°				•	•	226190
H12M-STUCR/L09	14	12	7	150	27	11	10°				•	•	226191
H10K-STUCR/L11	12	10	6	125	24	9	12°				•	•	226192
H12M-STUCR/L11	14	12	7	150	27	11	10°				•	•	226193
H14Q-STUCR/L11	16	14	8	180	30	13	9°				•	•	226194
H16Q-STUCR/L11	18	16	9	180	30	15	8°				•	•	226195
H20R-STUCR/L11	23	20	11	200	35	19	6°				•	•	226196
H25S-STUCR/L11	28	25	13.5	250	40	24	4°				•	•	226198
											•	•	226199



Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number			
	øD <sub>min</sub>	ød	f	L	L1	H	α°				R	L				
S08K-STUPR/L08	10	8	5	125	20	7	15°	TP..0802..	M2.2×6	T6	•	•	226201			
S10K-STUPR/L08	11	10	6	125	20	9	13°				•	•	226203			
S08K-STUPR/L09	10.5	8	5.5	125	23	7	15°				•	•	226200			
S10K-STUPR/L09	13.5	10	6.5	125	24	9	13°				•	•	226202			
S12M-STUPR/L09	16	12	7.5	150	27	11	10°				•	•	226204			
S10K-STUPR/L11	13.5	10	6.5	125	24	9	12°				•	•	226206			
S12M-STUPR/L11	16	12	7.5	150	27	11	10°				•	•	226208			
S14Q-STUPR/L11	18	14	8.5	180	30	13	9°				TP..1103..	M3×8	T10	•	•	226210
S16Q-STUPR/L11	20	16	9.5	180	30	15	8°							•	•	226212
S20R-STUPR/L11	25	20	11.5	200	35	19	6°							•	•	226214
S25S-STUPR/L11	31	25	14	250	40	24	4°	•	•	226216						
S20R-STUPR/L16	25	20	12	200	40	19	8°	•	•	226218						
S25S-STUPR/L16	31	25	14.5	250	40	24	6°	TP..1603..	M4×8	T15	•	•	226220			
S32T-STUPR/L16	39	32	18	300	45	30	4°				•	•	226222			

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

C08K-STUPR/L09	10	8	5.5	125	15	7	15°	TP..0902..	M2.5×6	T8	•	•	226224			
C10M-STUPR/L09	12	10	6.5	150	15	9	13°				•	•	226226			
C12M-STUPR/L09	14	12	7.5	150	20	11	10°				•	•	226228			
C12Q-STUPR/L09	14	12	7.5	180	20	11	10°				•	•	226230			
C10M-STUPR/L11	12	10	6.5	150	15	9	12°				•	•	226232			
C12M-STUPR/L11	14	12	7.5	150	20	11	10°				•	•	226234			
C12Q-STUPR/L11	14	12	7.5	180	20	11	10°				•	•	226236			
C14M-STUPR/L11	16	14	8.5	150	20	13	9°				•	•	226238			
C16M-STUPR/L11	18	16	9.5	150	25	15	8°				TP..1103..	M3×8	T10	•	•	226240
C16R-STUPR/L11	18	16	9.5	200	25	15	6°							•	•	226242
C20R-STUPR/L11	22	20	11.5	200	30	19	4°	•	•	226244						
C20S-STUPR/L11	22	20	11.5	250	30	19	8°	•	•	226246						
S25R-STUPR/L11	32	25	16.5	200	35	24	6°	•	•	226248						
S25S-STUPR/L11	32	25	16.5	250	35	24	4°	•	•	226250						
								•	•	226252						

Carbide Steel Shock-Proof Hollow Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

E08K-STUPR/L09	10	8	5.5	125	15	7	15°	TP..0902..	M2.5×6	T8	•	•	226252			
E10M-STUPR/L11	12	10	6.5	150	15	9	13°				•	•	226254			
E12M-STUPR/L11	14	12	7.5	150	20	11	10°				•	•	226256			
E12Q-STUPR/L11	14	12	7.5	180	20	11	10°				TP..1103..	M3×8	T15	•	•	226258
E16R-STUPR/L11	18	16	9.5	200	25	15	8°							•	•	226260
E20R-STUPR/L11	22	20	11.5	200	30	19	6°							•	•	226262
E20S-STUPR/L11	22	20	11.5	250	30	19	6°							•	•	226264
														•	•	226266
														•	•	226268
														•	•	226270

STUP 1102 type

S10K-STUPR/L1102	13.5	10	6.5	125	24	9	13°	TP..1102..	M3×8	T15	•	•	226266
S12M-STUPR/L1102	16	12	7.5	150	27	11	10°				•	•	226268
S14Q-STUPR/L1102	18	14	8.5	180	30	13	9°				•	•	226270
S16Q-STUPR/L1102	20	16	9.5	180	30	15	8°				•	•	226272
S20R-STUPR/L1102	25	20	12	200	35	19	6°				•	•	226274
S25S-STUPR/L1102	31	25	14.5	250	40	24	4°				•	•	226276
											•	•	226278

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

T-S08K-STUPR/L09	10	8	5	125	23	7	15°	TP..0902..	M2.5×6	T8	•	•	226278		
T-S10K-STUPR/L09	12	10	6	125	24	9	13°				•	•	226279		
T-S12M-STUPR/L09	14	12	7	150	27	11	10°				•	•	226280		
T-S10K-STUPR/L11	12	10	6	125	24	9	12°				TP..1103..	M3×8	T10	•	•