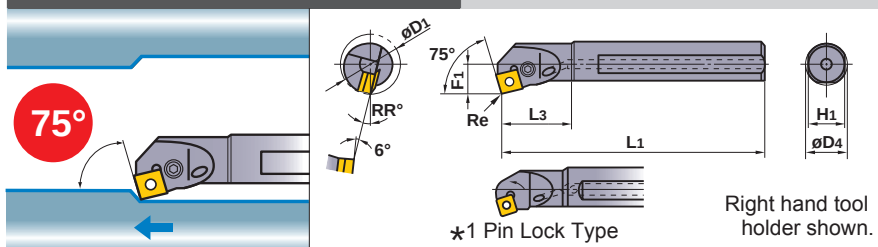


BORING BARS

P TYPE BORING BARS

- ISO standard.
- Economical negative insert.
- Lever lock type and pin lock type.
- l/d is 3 times the diameter.

PSKN

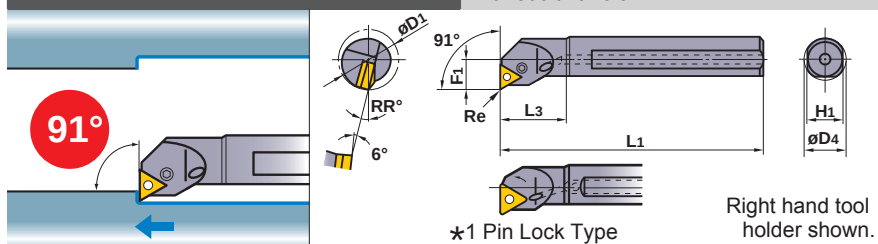
With coolant hole SN $\odot$ inserts

Finish	Light	Medium	Medium
FH	LP	MP	MH
(09,12)	(12)	(12)	(12)
Medium	Stainless	G Class	CBN
Standard	MM	R/L	
(09,12)	(12)	(09,12)	(12)

Order Number	Stock		Insert Number	Dimensions (mm)							 Min. Cutting Diameter D1	 Standard Corner Radius Re				 *2			 *2		
	R	L		D4	L1	L3	F1	H1	RR°												
*1 A20QPSKNR/L09	●	★	SNMA SNMG	0903	20	180	32	13	18	13	25	0.8	—	—	—	—	HKY15R HKY25R	HGM-PT1/8	HP3T	P208AM	HSS03005
*1 A25RPSKNR/L12	●	●	SNMM SNGA	1204	25	200	40	17	23	13	32	0.8	MLSP42	—	—	—	HKY15R HKY30R	HGM-PT1/4	HP43	P210AM	HSS03005
A32SPSKNR/L12	●	●	SNGG	1204	32	250	50	22	30	13	44	0.8	LLSSN42	LLP14	LLCL14	LLCS108S	HKY30R	HGM-PT3/8	—	—	—

*2 Clamp Torque (N • m) : LLCS108S=3.3, HP3T=2.2, HP43=3.3

PTFN

With coolant hole TN $\odot$ inserts

Finish	Light	Medium	Medium
FH	LP	MP	MH
(16)	(16)	(16,22)	(16,22)
Medium	Stainless	G Class	CBN
Standard	MM	R/L	
(16,22)	(16,22)	(16,22)	(16)

Order Number	Stock		Insert Number	Dimensions (mm)							Min. Cutting Diameter D1	Standard Corner Radius Re									
	R	L		D4	L1	L3	F1	H1	RR°												
*1 A20QPTFNR/L16	●	●	TNMA TNMG TNMM TNGA TNGG	1604 $\odot$	20	180	32	13	18	15	25	0.8	—	—	—	—	HKY15R HKY25R HKY15R HKY25R	HGM-PT1/8	HP31	P208AM	HSS03005
*1 A25RPTFNR/L16	●	●		1604 $\odot$	25	200	40	17	23	13	32	0.8	MLTP32	—	—	—	—	—	HP33	P208AM	HSS03005
A32SPTFNR/L16	●	●		1604 $\odot$	32	250	50	22	30	13	44	0.8	LLSTN32	LLP13	LLCL13	LLCS106	HKY25R	HGM-PT3/8	—	—	—
A40TPTFNR/L22	●	●		2204 $\odot$	40	300	63	27	37	10	54	0.8	LLSTN42	LLP14	LLCL14	LLCS108S	HKY30R	HGM-PT3/8	—	—	—
A50UPTFNR/L22	●	●		2204 $\odot$	50	350	80	35	47	9	70	0.8	LLSTN42	LLP14	LLCL14	LLCS108S	HKY30R	HGM-PT3/8	—	—	—

*2 Clamp Torque (N • m) : LLCS106=2.2, LLCS108S=3.3, HP31=2.2, HP33=2.2

(Note 1) Insert photo, letters show chip breaker style, figures show insert dimensions.

(Note 2) When using inserts with right or left hand chip breakers, please use left hand inserts for right hand holders and right hand inserts for left hand holders.

● : Inventory maintained. ★ : Inventory maintained in Japan.

SN $\odot$ type inserts > A105—A109TN $\odot$ type inserts > A110—A115

CBN & PCD inserts > B027—B029, B049