

INDUSTRY NEWS

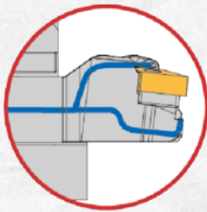
ARNO
WERKZEUGE

Coolant Right Where You Need It! Internal Coolant Monobloc ISO Turn



Arno's through coolant technology expands beyond the innovative parting and grooving systems. Targeted coolant improves tool life and chip control in traditional turning operations and Arno takes it to a whole new level. In addition to the standard IK series coolant delivery, Arno employs Addictive Manufacturing to produce a radically new concept: 3D Hybrid tools that deliver coolant through unrestricted internal channels to three jets focused on the insert's cut zone.

At ARNO, we take through coolant seriously with innovative solutions and patented technology. Our Monobloc ISO Turn line offers internal coolant options for both ISO Positive and ISO Negative inserts.



3D Hybrid Technology

3D printing creates smooth internal coolant channels without the restrictions and bottlenecks that cross drilling creates.



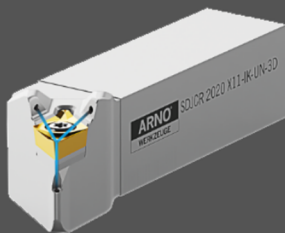
Unrestricted Coolant

The 3D Hybrid system provides 3 robust coolant jets targeting the shear zone and the flank of the insert. Unobstructed coolant supply, no hoses, no clamps, no restrictions



IK1 Traditional

IK1 tool holders offer traditional internal coolant feeds with 3 precise jets targeting the insert's shear zone.



3D Hybrid – 3D printed to provide the most efficient flow from the coolant induction port to the cutting edge. This premium series of tool holders is on the cutting edge of through coolant technology and accommodates both ISO Positive and ISO Negative inserts.

IK1 Traditional Through Coolant – Traditionally manufactured through coolant tool holders that accommodate ISO Positive turning inserts.

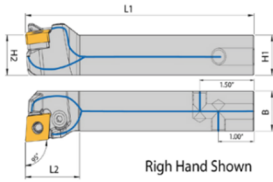


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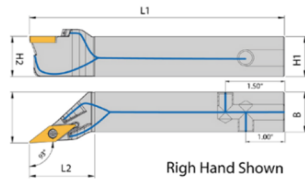
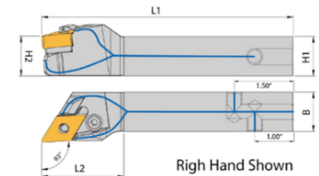
TECHNICAL DATA

-3D HYBRID TOOLS



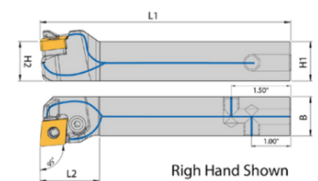
EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502850	SCLCL 103-IK-3D-.625	LH	5/8"	CC** 32.5*	0.625	0.625	3.937	0.866	1/8" NPT
502851	SCLCL 123B-IK-3D-.750	LH	3/4"	CC** 32.5*	0.750	0.750	4.921	0.866	1/8" NPT
502852	SCLCL 164D-IK-3D-1.000	LH	1.00"	CC** 43*	1.000	1.000	5.906	1.181	1/8" NPT
502853	SCLCR 103-IK-3D-.625	RH	5/8"	CC** 32.5*	0.625	0.625	3.937	0.866	1/8" NPT
502854	SCLCR 123B-IK-3D-.750	RH	3/4"	CC** 32.5*	0.750	0.750	4.921	0.866	1/8" NPT
502855	SCLCR 164D-IK-3D-1.000	RH	1.00"	CC** 43*	1.000	1.000	5.906	1.181	1/8" NPT

EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502856	SDJCL 103-IK-3D-.625	LH	5/8"	DC** 32.5*	0.625	0.625	3.980	1.102	1/8" NPT
502857	SDJCL 123B-IK-3D-.750	LH	3/4"	DC** 32.5*	0.750	0.750	4.970	1.102	1/8" NPT
502859	SDJCL 164D-IK-3D-1.000	LH	1.00"	DC** 32.5*	1.000	2.063	5.955	1.181	1/8" NPT
502858	SDJCR 101-IK-3D-.625	RH	5/8"	DC** 32.5*	0.625	0.625	3.980	1.102	1/8" NPT
502860	SDJCR 121B-IK-3D-.750	RH	3/4"	DC** 32.5*	0.750	0.750	4.970	1.102	1/8" NPT
502861	SDJCR 161D-IK-3D-1.000	RH	1.00"	DC** 32.5*	1.000	2.063	5.955	1.181	1/8" NPT

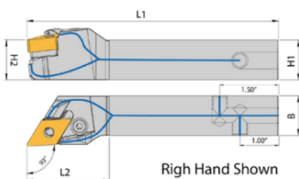


EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502862	SVJCL 101-IK-3D-.625	LH	5/8"	VC** 220*	0.625	0.625	3.937	1.102	1/8" NPT
502863	SVJCL 102-IK-3D-.625	LH	5/8"	VC** 22.5*	0.625	0.625	3.937	1.181	1/8" NPT
502864	SVJCL 121B-IK-3D-.750	LH	3/4"	VC** 220*	0.750	0.750	4.921	1.181	1/8" NPT
502865	SVJCL 122B-IK-3D-.750	LH	3/4"	VC** 22.5*	0.750	0.750	4.921	1.260	1/8" NPT
502866	SVJCL 123B-IK-3D-.750	LH	3/4"	VC** 33*	0.750	0.750	4.921	1.417	1/8" NPT
502867	SVJCL 163D-IK-3D-1.000	LH	1.00"	VC** 33*	1.000	1.000	5.906	1.614	1/8" NPT
502868	SVJCR 101-IK-3D-.625	RH	5/8"	VC** 220*	0.625	0.625	3.937	1.102	1/8" NPT
502869	SVJCR 102-IK-3D-.625	RH	5/8"	VC** 22.5*	0.625	0.625	3.937	1.181	1/8" NPT
502870	SVJCR 121B-IK-3D-.750	RH	3/4"	VC** 220*	0.750	0.750	4.921	1.181	1/8" NPT
502871	SVJCR 122B-IK-3D-.750	RH	3/4"	VC** 22.5*	0.750	0.750	4.921	1.260	1/8" NPT
502872	SVJCR 123B-IK-3D-.750	RH	3/4"	VC** 33*	0.750	0.750	4.921	1.417	1/8" NPT
502873	SVJCR 163D-IK-3D-1.000	RH	1.00"	VC** 33*	1.000	1.000	5.906	1.614	1/8" NPT

EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502826	PCLNL 104-IK-3D-.625	LH	5/8"	CN** 43*	0.625	0.625	3.937	1.181	1/8" NPT
502827	PCLNL 124B-IK-3D-.750	LH	3/4"	CN** 43*	0.750	0.750	4.970	1.181	1/8" NPT
502828	PCLNL 164D-IK-3D-1.000	LH	1.00"	CN** 43*	1.000	1.000	5.955	1.181	1/8" NPT
502829	PCLNR 104-IK-3D-.625	RH	5/8"	CN** 43*	0.625	0.625	3.937	1.181	1/8" NPT
502830	PCLNR 124B-IK-3D-.750	RH	3/4"	CN** 43*	0.750	0.750	4.970	1.181	1/8" NPT
502831	PCLNR 164D-IK-3D-1.000	RH	1.00"	CN** 43*	1.000	1.000	5.955	1.181	1/8" NPT



EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502832	PDJNL 103-IK-3D-.625	LH	5/8"	DN** 33*	0.625	0.625	3.937	1.181	1/8" NPT
502833	PDJNL 123B-IK-3D-.750	LH	3/4"	DN** 33*	0.750	0.750	4.921	1.181	1/8" NPT
502834	PDJNL 124B-IK-3D-.750	LH	3/4"	DN** 43*	0.750	0.750	4.921	1.575	1/8" NPT
502836	PDJNL 164D-IK-3D-1.000	LH	1.00"	DN** 43*	1.000	0.986	5.906	1.614	1/8" NPT
502837	PDJNR 103-IK-3D-.625	RH	5/8"	DN** 33*	0.625	0.625	3.937	1.181	1/8" NPT
502838	PDJNR 123B-IK-3D-.750	RH	3/4"	DN** 33*	0.750	0.750	4.921	1.181	1/8" NPT
502839	PDJNR 124B-IK-3D-.750	RH	3/4"	DN** 43*	0.750	0.750	4.921	1.575	1/8" NPT
502840	PDJNR 163D-IK-3D-1.000	RH	1.00"	DN** 43*	1.000	1.000	5.906	1.181	1/8" NPT
502841	PDJNR 164D-IK-3D-1.000	RH	1.00"	DN** 43*	1.000	0.986	5.906	1.614	1/8" NPT



EDP	ANSI Description	Hand	Shank Size	Insert	H1 / H2	B (Inch)	L1 (Inch)	L2 (Inch)	Port Size
502842	PWLNL 103-IK-3D-.625	LH	5/8"	WN** 33*	0.625	0.625	3.937	0.984	1/8" NPT
502843	PWLNL 123B-IK-3D-.750	LH	3/4"	WN** 33*	0.750	0.750	4.921	1.024	1/8" NPT
502844	PWLNL 124B-IK-3D-.750	LH	3/4"	WN** 43*	0.750	0.750	4.921	1.181	1/8" NPT
502845	PWLNL 164D-IK-3D-1.000	LH	1.00"	WN** 43*	1.000	1.000	5.906	1.181	1/8" NPT
502846	PWLNLR 103-IK-3D-.625	RH	5/8"	WN** 33*	0.625	0.625	3.937	0.984	1/8" NPT
502847	PWLNLR 123B-IK-3D-.750	RH	3/4"	WN** 33*	0.750	0.750	4.921	1.024	1/8" NPT
502848	PWLNLR 124B-IK-3D-.750	RH	3/4"	WN** 43*	0.750	0.750	4.921	1.181	1/8" NPT
502849	PWLNLR 164D-IK-3D-1.000	RH	1.00"	WN** 43*	1.000	1.000	5.906	1.181	1/8" NPT

