

CHUCK JAWS
LATHE WORKHOLDING

MACHINE VISES
VISE JAWS

RETENTION KNOBS
ER, DA, TG COLLETS

TOOLHOLDERS
TAP HOLDERS

INDEXABLE DRILLS
TURNING & BORING

ENDMILLS, DRILLS
TAPS & REAMERS

ABRASIVES
MEASURING TOOLS

MRO & SAFETY
FLAT STOCK/DRILL ROD

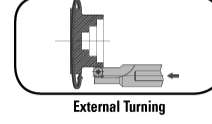
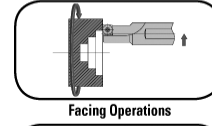
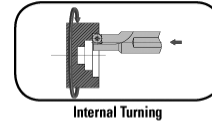
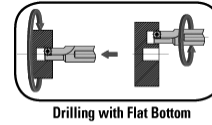
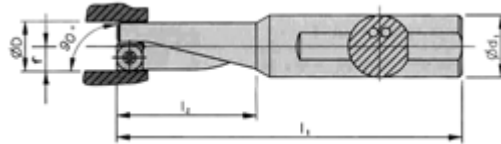
4-IN-1 INDEXABLE DRILLS

SHARK-CUT® INDEXABLE COOLANT THRU DRILLS



Cost Reduction Through Performance!
4-in-1 Indexable Coolant Thru Drill

- High performance drilling and turning system-effective and productive!
- CNC polished inserts (AWI/WI) are available in coated or non-coated finish
- Extremely efficient boring tool
- suitable for turning and boring
- Four machining processes possible with one tool!
- Maximum precision and process dependability
- All holders are equipped with an internal coolant feed
- Drilling depths up to 3X D



**Drill, Turn, Bore & Face
With One Tool!**
Drill Diameters:

MM: 8mm to 32mm
Inch: .315" to 1.250"

INCH SHANK 1.5 x D

Drill Dia Inch	Shank Inch	F Inch	L2 Inch Drill Depth	L1 Inch OAL	Part Number	Price	Manufacturer's Reference #	Insert Series
0.315	0.500	0.16	0.48	3.15	RA08R-1205G04E	\$170.55	SC08R-0012G04E	04
0.394	0.500	0.20	0.60	3.55	RA10R-1505G05E	\$170.55	SC10R-0015G05E	05
0.472	0.625	0.24	0.71	3.94	RA12R-1862G06E	\$170.55	SC12R-0018G06E	06
0.551	0.625	0.28	0.83	4.33	RA14R-2162G07E	\$178.60	SC14R-0021G07E	07
0.630	0.750	0.32	0.95	4.92	RA16R-2475G08E	\$178.60	SC16R-0024G08E	08
0.708	1.000	0.36	1.07	5.32	RA18R-2710G09E	\$210.90	SC18R-0027G09E	09
0.787	1.000	0.40	1.19	5.91	RA20R-3010G10E	\$230.65	SC20R-0030G10E	10
0.984	1.250	0.50	1.48	7.09	RA25R-3812G13E	\$266.50	SC25R-0038G13E	13
1.250	1.500	0.63	1.89	7.88	RA32R-4815G17E	\$300.55	SC32R-0048G17E	17

INCH SHANK 2.25 x D

Drill Dia Inch	Shank Inch	F Inch	L2 Inch Drill Depth	L1 Inch OAL	Part Number	Price	Manufacturer's Reference #	Insert Series
0.315	0.375	0.16	0.71	2.37	RA08R-1837SP04E	\$256.55	SC08R-0018SP04E	04
0.394	0.500	0.20	0.89	2.74	RA10R-2305SP05E	\$256.55	SC10R-0023SP05E	05
0.472	0.625	0.24	1.07	3.07	RA12R-2762SP06E	\$256.55	SC12R-0027SP06E	06
0.551	0.625	0.28	1.24	3.29	RA14R-3262SP07E	\$268.55	SC14R-0032SP07E	07
0.630	0.750	0.32	1.42	3.70	RA16R-3675SP08E	\$268.55	SC16R-0036SP08E	08
0.708	1.000	0.36	1.60	4.31	RA18R-4110SP09E	\$303.60	SC18R-0041SP09E	09
0.787	1.000	0.40	1.78	4.37	RA20R-4510SP10E	\$323.10	SC20R-0045SP10E	10
0.984	1.250	0.50	2.23	5.08	RA25R-5712SP13E	\$374.00	SC25R-0057SP13E	13
1.250	1.500	0.63	2.84	6.22	RA32R-7215SP17E	\$420.75	SC32R-0072SP17E	17

METRIC SHANK 1.5 x D

Drill Dia mm	Shank mm	F mm	L2 Drill Depth	L1 OAL	Part Number	Price	Manufacturer's Reference #	Insert Series
08	12	4,0	12	80	RA08R-1212G04	\$170.55	SC08R-0012G04	04
10	12	5,0	15	90	RA10R-1512G05	\$170.55	SC10R-0015G05	05
12	16	6,0	18	100	RA12R-1816G06	\$170.55	SC12R-0018G06	06
14	16	7,0	21	110	RA14R-2116G07	\$178.60	SC14R-0021G07	07
16	20	8,0	24	125	RA16R-2420G08	\$178.60	SC16R-0024G08	08
18	25	9,0	27	135	RA18R-2725G09	\$210.90	SC18R-0027G09	09
20	25	10,0	30	150	RA20R-3025G10	\$230.65	SC20R-0030G10	10
25	32	12,5	37	180	RA25R-3832G13	\$266.50	SC25R-0038G13	13
32	40	16,0	48	200	RA32R-4840G17	\$300.55	SC32R-0048G17	17

METRIC SHANK 2.25 x D

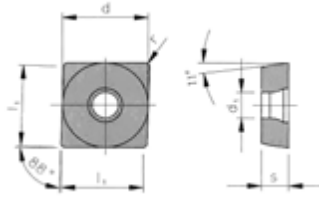
Drill Dia mm	Shank mm	F mm	L2 Drill Depth	L1 OAL	Part Number	Price	Manufacturer's Reference #	Insert Series
08	12	4,0	18	60	RA08R-1812SP04	\$256.55	SC08R-0018SP04	04
10	12	5,0	22.5	69.5	RA10R-2312SP05	\$256.55	SC10R-0023SP05	05
12	16	6,0	27	78	RA12R-2716SP06	\$256.55	SC12R-0027SP06	06
14	16	7,0	31.5	83.5	RA14R-3216SP07	\$268.55	SC14R-0032SP07	07
16	20	8,0	36	94	RA16R-3620SP08	\$268.55	SC16R-0036SP08	08
18	25	9,0	40.5	109.5	RA18R-4125SP09	\$303.60	SC18R-0041SP09	09
20	25	10,0	45	111	RA20R-4525SP10	\$323.10	SC20R-0045SP10	10
25	32	12,5	56.5	129	RA25R-5732SP13	\$374.00	SC25R-0057SP13	13
32	40	16,0	72	158	RA32R-7240SP17	\$420.75	SC32R-0072SP17	17



See Inserts On Following Page



INSERTS FOR SHARK-CUT® INDEXABLE DRILLS



Insert Series	Manufacturer Reference #	AL350		AM35C	
		Coated C3/C4 Inserts Part Number	Price Each	Coated C5 Inserts Part Number	Price Each
04	LPNT040104ER	RA-04RN04-AL350	\$15.75	RA-04RN04-AM35C	\$15.75
05	LPNT050204EN	RA-05N04-AL350	\$15.75	RA-05N04-AM35C	\$15.75
06	LPNT060204EN	RA-06N04-AL350	\$15.75	RA-06N04-AM35C	\$15.75
07	LPNT070304EN	RA-07N04-AL350	\$15.75	RA-07N04-AM35C	\$15.75
08	LPNT080304EN	RA-08N04-AL350	\$16.05	RA-08N04-AM35C	\$16.05
09	LPNT09T304EN	RA-09N04-AL350	\$16.90	RA-09N04-AM35C	\$16.90
10	LPNT10T304EN	RA-10N04-AL350	\$16.90	RA-10N04-AM35C	\$16.90
13	LPNT130404EN	RA-13N04-AL350	\$19.70	RA-13N04-AM35C	\$19.70
17	LPNT170508EN	RA-17N08-AL350	\$19.85	RA-17N08-AM35C	\$19.85

Insert Series	Manufacturer Reference #	AK10		AL10	
		Uncoated C2 Inserts (Wiper) Part Number	Price Each	Coated C2-C3 Inserts (Wiper) Part Number	Price Each
04	LPET040104FR	RA-04RE04-AK10	\$20.85	RA-04RE04-AL10	\$23.35
05	LPET050204FN	RA-05E04-AK10	\$20.85	RA-05E04-AL10	\$23.35
06	LPET060204FN	RA-06E04-AK10	\$20.85	RA-06E04-AL10	\$23.35
07	LPET070304FN	RA-07E04-AK10	\$20.85	RA-07E04-AL10	\$23.35
08	LPET080304FN	RA-08E04-AK10	\$21.15	RA-08E04-AL10	\$23.65
09	LPET09T304FN	RA-09E04-AK10	\$21.45	RA-09E04-AL10	\$24.20
10	LPET10T304FN	RA-10E04-AK10	\$21.75	RA-10E04-AL10	\$24.45
13	LPET130404FN	RA-13E04-AK10	\$26.45	RA-13E04-AL10	\$29.20
17	LPET170508FN	RA-17E08-AK10	\$26.45	RA-17E08-AL10	\$30.05

Arno Rouse Grade	Description	Coating	Material
AL350	COATED C3/C4	TIALN COAT	Stainless; High Temp Alloys
AK10	UNCOATED C2	UNCOATED	Aluminum, Plastics And Non Ferrous
AL10	COATED C2-C3	TIALN COAT	Super Alloys
AM35C	COATED C5	TIALN COAT	Steels

Grooving

Strength through Performance

- Modular grooving system with just one basic work holding tool
- Internal and external machining
- Special geometries for aluminum and copy-turning



Clip Groove
The tool for shape grooving.



Short-Cut
Robust grooving and copy turning tool for axial and radial machining.



FULL LINE AVAILABLE!

Please Call For More Information!

Turning

Tools and indexable inserts for turning and threading

The ARNO® turning range comprises of a large selection of tool holders for internal and external machining with various types of clamping systems for all machining tasks.

- Face mills
- End mills
- Chamfer mills



High Positive Inserts
Special Developed Geometries



LATHE CHUCKS
LIVE CENTERS

WISE JAWS
WISE ACCESSORIES

STRAIGHT SHANK
COLLET HOLDERS

TAP HOLDERS
DRILL CHUCKS

CARBIDE INSERTS
THREADING/GROOVING

CUTTING TOOLS
MACHINERY

PRECISION TOOLS
DEBURRING

COOLANT/FLUIDS
TOOL STORAGE