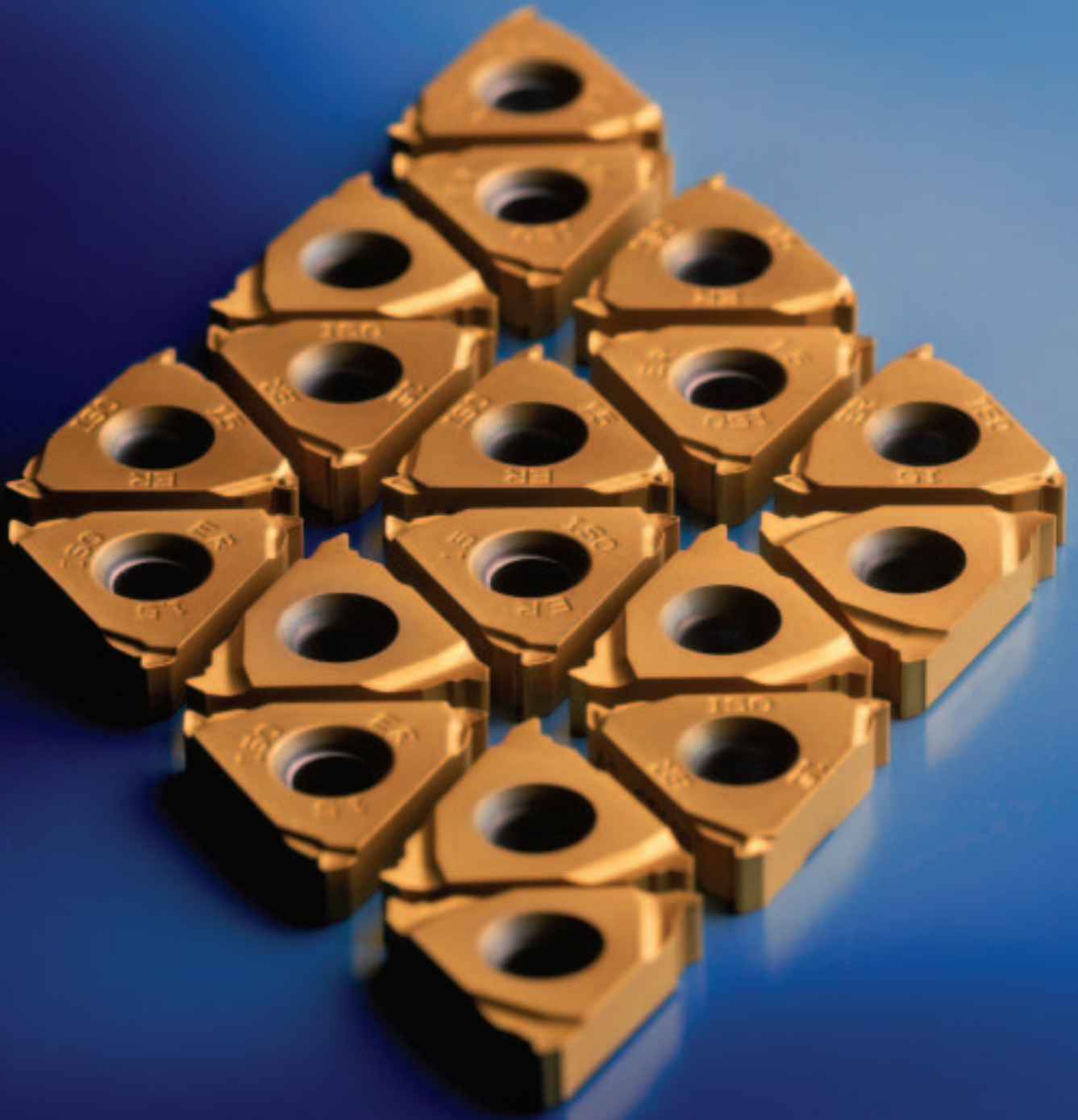


THREAD SMART

“Passing all the tests for thread turning”

SECO 



YOUR “SINGLE POINT” SOLUTION

With the latest additions to the Seco Snap-Tap® range of single point threading products, we’ve thought of virtually everything you need. From new first-choice inserts, to improved tool-holders, software and versatile packaging – our focus on smart new thread turning solutions keeps your focus where it’s needed – on productivity and profits.



SIMPLICITY OF DESIGN

State-of-the-art insert manufacturing processes allow us to produce precision cutting edges without the need for secondary grinding or honing – making our new chipbreaker family *the* economical choice, up to 20% less than ground inserts. You will also be able to benefit from outstanding threading performance, chip control, thread quality and tool life.

To keep things simple, Seco has engineered a new general-purpose “A” chipbreaker, your first choice for a full range of threadforms in both steel and stainless steel. This newest member



of the Seco single point threading family complements the A1 (for steel) and A2 (for stainless steel) chipbreakers that can be used to

optimize your operation for even better chip control.

All of which are available in Seco’s unique grade CP500 that features the most wear resistant PVD coating available for threading.





GET UNMATCHED HOLDING POWER

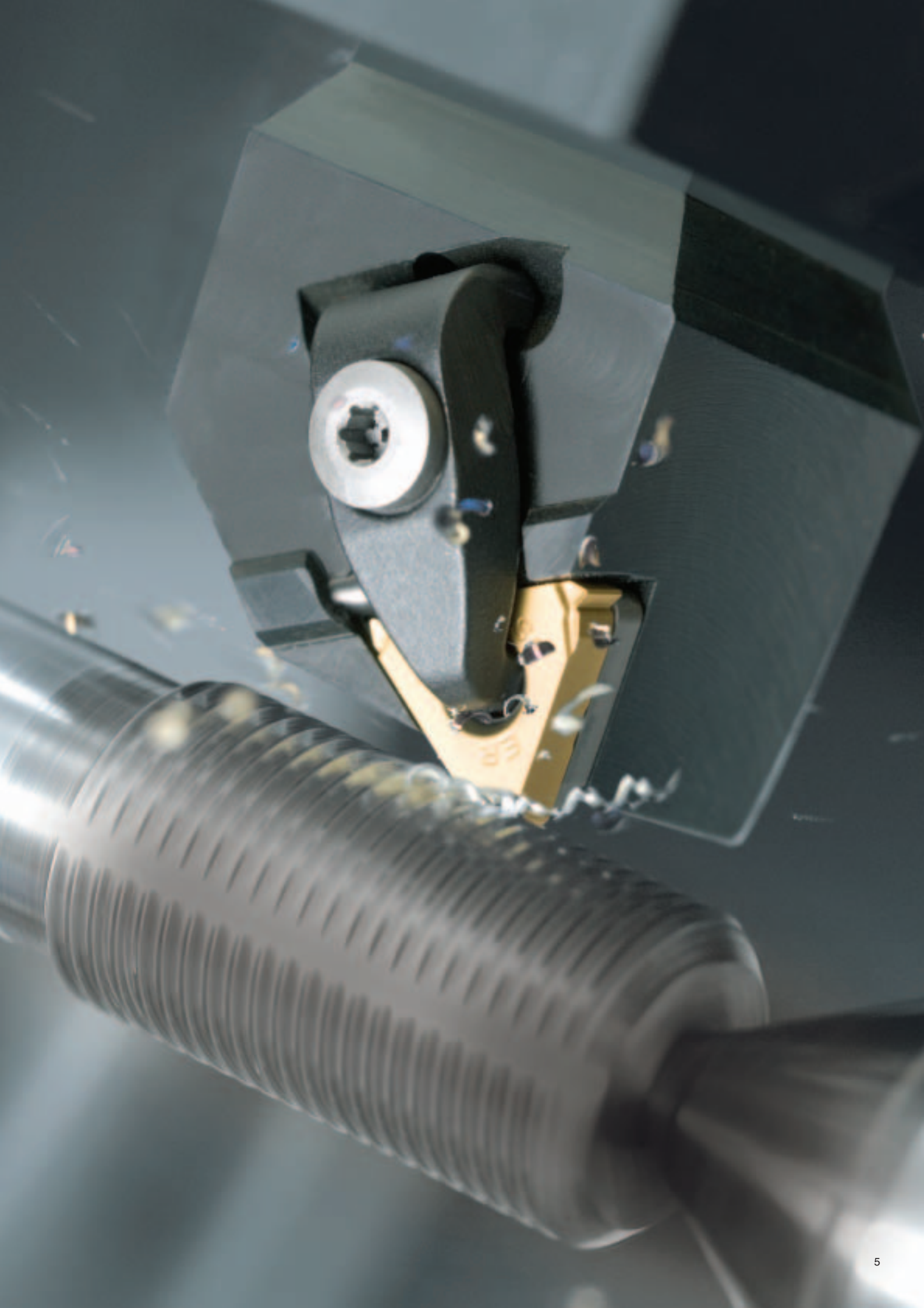
Recently developed toolholders offer the best holding power available for longer tool life and greater accuracy. Seco's new Anti-Twist™ insert locking system features a carbide pin in the back of the insert pocket that resists wear and prevents the insert from turning or twisting under pressure during machining.

For added insert and toolholder rigidity, we have produced a new D-style clamp that pulls the insert down and into the pocket.

“SNAP-OFF” ONLY WHAT YOU NEED

If you are machining small batch quantities, you may not need a full box of inserts at one time. So, Seco has developed a unique cost-saving option – versatile packaging featuring snap-off boxes for as few as just two inserts.





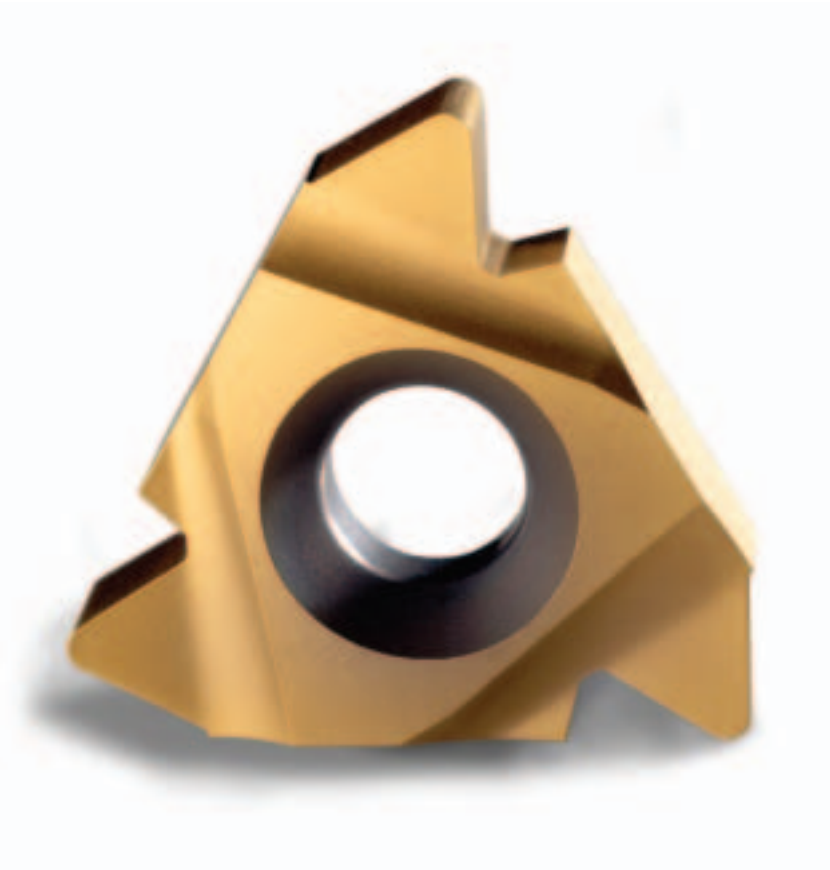
ELIMINATE CALCULATIONS... SIMPLIFY PROGRAMMING

Take the guesswork out of your threading operations. Seco's user-friendly Thread Turning Wizard software eliminates complicated programs and calculations. With minimal input from you, the Wizard selects your optimum holder and insert, identifies the best operating parameters, and then downloads the information to your CNC. For maximum tool life. Better chip control. Reduced production time. And, a perfect thread from the very first cut. All this is free and downloadable at www.secotools.com.



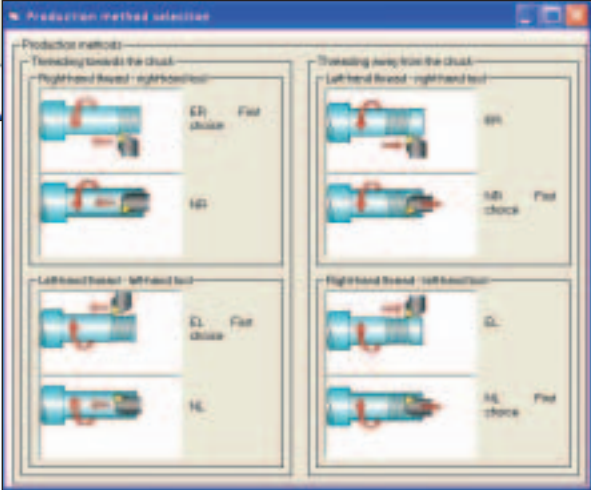
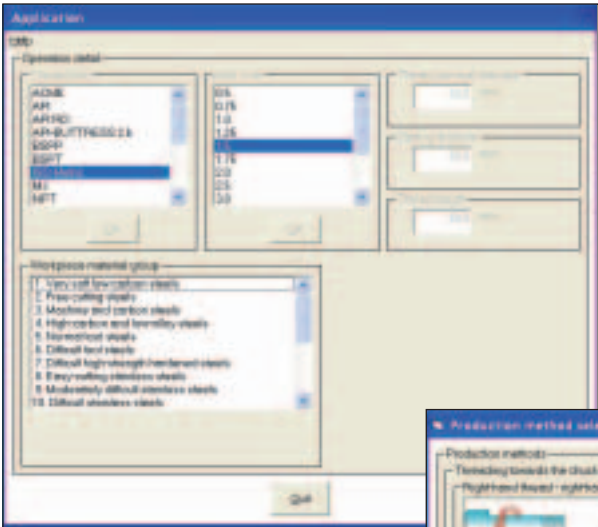
Seco thread turning wizard:

- Eliminates calculations
- Simplifies machining
- Is Windows® 2000 compatible
- Selects the optimum holder and insert
- Identifies cutting parameters
- Downloads information to your CNC
- Reduces programming time
- Improves accuracy and thread tolerances
- Reduces threading cycle time



Plus, the Wizard offers unique advantages:

- Selects the correct number of passes for single point threading
- Has built-in logic to identify the correct Infeed Method
- Determines the right number of threading passes for the material specification
- Selects the correct anvil



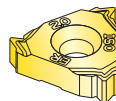
Toolholders



C	E	R	25	25	M	16	Q	HD
1	2	3	4	5	6	7	8	9

1. Insert clamping S C Screw Clamp	2. External/Internal E = External N = Internal	3. Version L R X = Special
4. Shank height h 00 = Round toolholder S & C 25 = 25 mm 32 = 32 mm etc...	5. Shank width/diameter b dm_m 12 = 12 mm 20 = 20 mm 25 = 25 mm etc...	
6. Tool length l_1 H = 100 mm R = 200 mm K = 125 mm S = 250 mm L = 140 mm T = 300 mm M = 150 mm U = 350 mm P = 170 mm V = 400 mm Q = 180 mm	7. Cutting edge length Example: Cutting edge length = 16,5 mm Symbol = 16 Example: Cutting edge length = 9,525 mm Symbol = 09	8. Other information A = Steel with coolant passage Q = Toolholder/cranked CQ = For mounting upside down 9. Other information HD = Heavy duty

Inserts

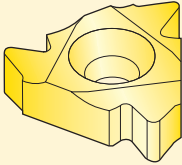
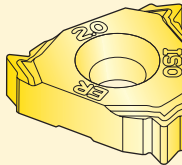
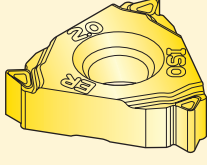
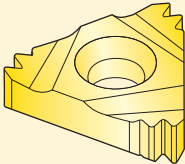
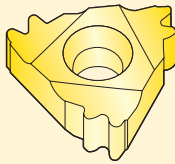
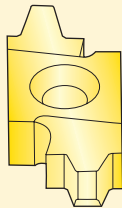


16	E	R	1,5	ISO	-	A1
1	2	3	4	5		6

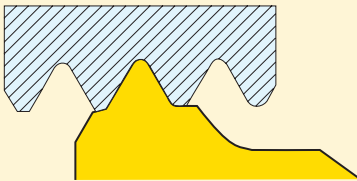
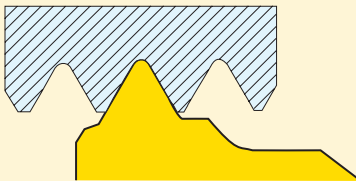
1. Cutting edge length If the cutting edge length consists of only one digit, the designation should start with a 0. Example: • Cutting edge length = 16,5 mm Symbol = 16 • Cutting edge length = 9,525 mm Symbol = 09	2. External/Internal E = External N = Internal	3. Version L R X = Special	6. Number of teeth per cutting edge/Type of chipbreaker 2M = 2 teeth 3M = 3 teeth TT = TWIN THREADER A = Universal A1 = Chipbreaker designation A2 = Chipbreaker designation																																																																																
4. Pitch <table border="1"> <tr> <td>Full profile: (mm)</td> <td>0,5</td> <td>1,25</td> <td>3,0</td> <td>6,0</td> <td>Part profile:</td> <td>A = 0,5–1,5 mm</td> <td>48–16 TPI</td> </tr> <tr> <td></td> <td>0,7</td> <td>1,5</td> <td>4,0</td> <td>8,0</td> <td></td> <td>AG = 0,5–3,0 mm</td> <td>48–8 TPI</td> </tr> <tr> <td></td> <td>0,75</td> <td>1,75</td> <td>4,5</td> <td>10,0</td> <td></td> <td>G = 1,75–3,0 mm</td> <td>18–8 TPI</td> </tr> <tr> <td></td> <td>0,8</td> <td>2,0</td> <td>5,0</td> <td>12,0</td> <td></td> <td>N = 3,5–5,0 mm</td> <td>7–5 TPI</td> </tr> <tr> <td></td> <td>1,0</td> <td>2,5</td> <td>5,5</td> <td>14,0</td> <td></td> <td>K = 5,5–8,0 mm</td> <td>4,5–3 TPI</td> </tr> <tr> <td>Full profile: (TPI)</td> <td>48</td> <td>18</td> <td>11</td> <td>6</td> <td>2,5</td> <td></td> <td></td> </tr> <tr> <td></td> <td>40</td> <td>16</td> <td>10</td> <td>5</td> <td>2</td> <td></td> <td></td> </tr> <tr> <td></td> <td>32</td> <td>14</td> <td>9</td> <td>4,5</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>24</td> <td>13</td> <td>8</td> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>20</td> <td>12</td> <td>7</td> <td>3</td> <td></td> <td></td> <td></td> </tr> </table>		Full profile: (mm)	0,5	1,25	3,0	6,0	Part profile:	A = 0,5–1,5 mm	48–16 TPI		0,7	1,5	4,0	8,0		AG = 0,5–3,0 mm	48–8 TPI		0,75	1,75	4,5	10,0		G = 1,75–3,0 mm	18–8 TPI		0,8	2,0	5,0	12,0		N = 3,5–5,0 mm	7–5 TPI		1,0	2,5	5,5	14,0		K = 5,5–8,0 mm	4,5–3 TPI	Full profile: (TPI)	48	18	11	6	2,5				40	16	10	5	2				32	14	9	4,5					24	13	8	4					20	12	7	3				5. Thread Thread = 60 = V profile, 60° 55 = V profile, 55° ISO = ISO, metric UN = Am. UN UNJ = Am. Aerospace MJ = Metr. Aerospace W = Whitworth, BSW BSPT = Whitworth, Taper NPT = Am. NPT NPTF = Am. NPTF (Dryseal) RD = Round, DIN 405 TR = Trapezoidal, DIN 103 ACME = Am. ACME-G STACME = Am. Stub-ACME API 384 = API V 0.038R 1:4 API 396 = API V 0.038R 1:6 API 404 = API V 0.040 API 504 = API V 0.050 API 506 = API V 0.050 API RD = API Round Casing BUT 2.5 = Buttress, Fig. 2.5 BUT 2.6 = Buttress, Fig. 2.6 VAM = VAM Vallourec	
Full profile: (mm)	0,5	1,25	3,0	6,0	Part profile:	A = 0,5–1,5 mm	48–16 TPI																																																																												
	0,7	1,5	4,0	8,0		AG = 0,5–3,0 mm	48–8 TPI																																																																												
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	32	14	9	4,5																																																																															
	24	13	8	4																																																																															
	20	12	7	3																																																																															

Use the guidelines below to choose suitable insert type

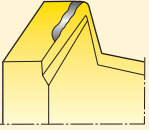
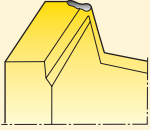
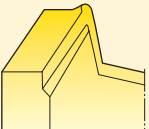
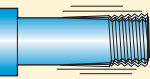
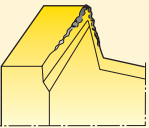
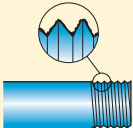
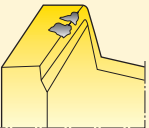
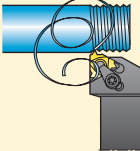
- Single tooth type
- Multi tooth type
- K type

<p>Single-tooth insert (Type S) A or Original</p>  <p>First choice, can be used for applications in a variety of materials. Low cutting forces.</p>	<p>Single-tooth insert (Type S) A1 chipbreaker</p>  <p>First choice for general applications in steel.</p>	<p>Single-tooth insert (Type S) A2 chipbreaker</p>  <p>First choice for general applications in stainless steel.</p>
<p>Multi-tooth insert (Type M)</p>  <p>First choice for mass production, since fewer passes are necessary. Only for radial infeed. 2M = 2 teeth version 3M = 3 teeth version</p>	<p>Multi-tooth insert (TWIN THREADER, TT)</p>  <p>Lower cutting forces than M type. Shorter under cut length than M type. Only for radial infeed. Use anvil for 2M.</p>	<p>K insert (Type K)</p> 

For single tooth inserts choose full profile or partial profile design

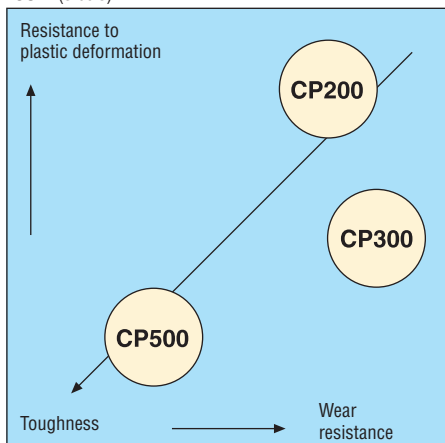
<p>Full profile</p>  <p>By topping the thread, the workpiece need not be pre-machined to the exact diameter and may be a little oversized. The threading operation is simplified since only one tool is needed for the entire thread (no subsequent deburring is needed).</p>	<p>Partial profile</p>  <p>Covers a wide range of thread pitches, which simplifies stock-keeping. Requires a correct workpiece diameter prior to threading. The nose radius of the insert is sized to suit the smallest profile within the pitch range of the insert.</p>
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Troubleshooting

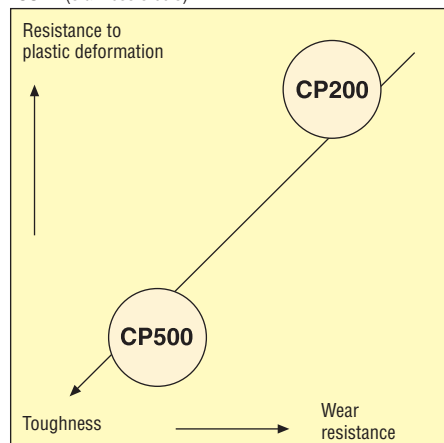
<p>Rapid flank wear</p> 	<ul style="list-style-type: none"> • Reduce the cutting speed. • Increase the infeed per pass. • Select a more wear-resistant grade. • Check that the correct anvil has been selected. 	<p>Insert fracture</p> 	<ul style="list-style-type: none"> • Increase the number of passes. • Select a tougher grade. • Check the workpiece mounting. • Check the centre height of the cutting edge. • Check for built-up edge.
<p>Plastic deformation</p> 	<ul style="list-style-type: none"> • Select a grade with better resistance to plastic deformation. • Reduce the cutting speed. • Increase the number of passes. • Increase the coolant supply. • Check that the workpiece diameter is correct prior to cutting the thread. 	<p>Vibrations</p> 	<ul style="list-style-type: none"> • Change the cutting speed. • Reduce the overhang and use the most stable toolholder. • Check the centre height of the cutting edge. • Check that the workpiece diameter is correct.
<p>Built-up edge</p> 	<ul style="list-style-type: none"> • Increase the cutting speed. • Do not use coolant. 	<p>Poor finish</p> 	<ul style="list-style-type: none"> • Increase the cutting speed. • Check that the right anvil has been selected.
<p>Edge chipping</p> 	<ul style="list-style-type: none"> • Select a tougher grade. • Check the workpiece mounting. • Check the cutting speed. 	<p>Poor chip control</p> 	<ul style="list-style-type: none"> • Reduce the number of passes. • Increase the cutting speed. • Increase the coolant supply. • Select A1 or A2 chipbreaker.

Optimization

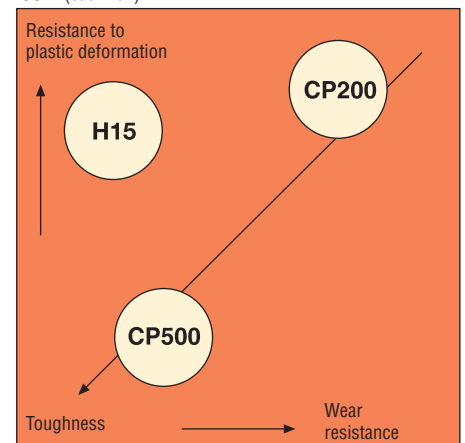
ISO-P (steels)



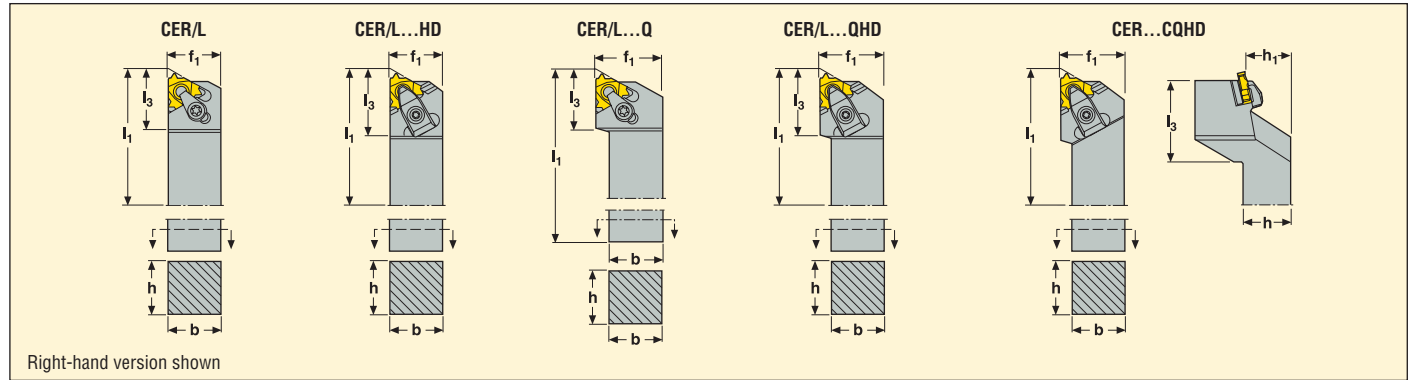
ISO-M (stainless steels)



ISO-K (cast iron)



ISO Metric – External Threading



Application	Part No.	Dimensions in mm						KG		
		h	b	l ₁	h ₁	f ₁	l ₃			
	16	CER 1616H16	16	16	100	–	16	20	0,2	16..
		2020K16HD	20	20	125	–	20	30	0,4	16..
		2525M16HD	25	25	150	–	25	30	0,7	16..
		CEL 1616H16	16	16	100	–	16	20	0,2	16..
		2020K16HD	20	20	125	–	20	30	0,4	16..
		2525M16HD	25	25	150	–	25	30	0,7	16..
	16	CER 1212H16Q	12	12	100	–	16	22	0,1	16..
		1616H16Q	16	16	100	–	20	22	0,2	16..
		2020K16QHD	20	20	125	–	25	30	0,4	16..
		2525M16QHD	25	25	150	–	32	30	0,7	16..
		3225P16QHD	32	25	170	–	32	30	1,1	16..
		3232P16QHD	32	32	170	–	40	30	1,3	16..
	22	CEL 1212H16Q	12	12	100	–	16	22	0,1	16..
		1616H16Q	16	16	100	–	20	22	0,2	16..
		2020K16QHD	20	20	125	–	25	30	0,4	16..
		2525M16QHD	25	25	150	–	32	30	0,7	16..
		3225P16QHD	32	25	170	–	32	30	1,1	16..
		3232P16QHD	32	32	170	–	40	30	1,3	16..
27	CER 2525M22QHD	25	25	150	–	32	36	0,7	22..	
	3225P22QHD	32	25	170	–	32	36	1,1	22..	
	3232P22QHD	32	32	170	–	40	36	1,4	22..	
	CEL 2525M22QHD	25	25	150	–	32	36	0,7	22..	
	3225P22QHD	32	25	170	–	32	36	1,1	22..	
	3232P22QHD	32	32	170	–	40	36	1,4	22..	
	16	CER 2525M16CQHD	25	25	150	20	32	37	0,7	16..
		3225P16CQHD	32	25	170	20	40	37	1,3	16..
	22	CER 2525M22CQHD	25	25	150	20	32	45	0,7	22..
		3225P22CQHD	32	25	170	20	40	45	1,3	22..

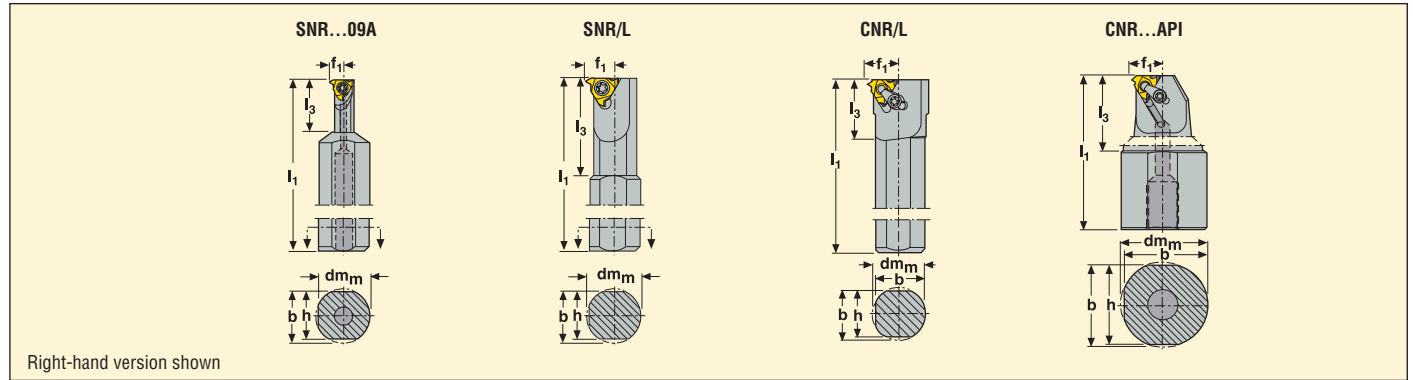
Spare parts, included in delivery

Toolholder/ Insert dimension	Anvil for insert type S	Anvil for insert type M*	Anvil screw/Key*		Clamp + Screw/Key		Clamp	Clamp screw	Spring	Key
..16/16Q	GX 16-1	MX 16-1	CS3507-T09P	T09P-2	CSP16-T15P	T15P-2	–	–	–	–
..16HD/QHD/CQHD	GX 16-1	MX 16-1	CS3507-T09P	T09P-2	–	–	CHD16	L85020-T15P	S6912	T15P-7
..22HD/QHD/CQHD	NX 22-1	MX 22-1	CS4009-T15P	T15P-2	–	–	CHD22	L86025-T20P	S7616	T20P-7L
..27QHD	VX 27-1	MX 27-1	C05012-T15P	T15P-2	–	–	CHD27	L86025-T20P	S7616	T20P-7L

Please check availability in current price and stock-list.

*To be ordered separately

Toolholders for S-inserts



Application	Part No.	Dimensions in mm									KG		
		dm _m	h	b	l ₁	l ₃	f ₁	D _m min	D _m min*				
	09	SNR 0020L09A	20	18	19	140	20	5,1	10,2	–	0,3	9..	
	11	SNR 0010H11	10	–	9,5	100	–	6,5	13	11	0,1	11..	
		0010K11	16	14	15,5	125	30	5,5	12	11	0,2	11..	
		0013L11	16	14	15,5	140	32	7	15	13	0,2	11..	
		SNL 0010H11	10	–	9,5	100	–	6,5	13	11	0,1	11..	
		0010K11	16	14	15,5	125	30	5,5	12	11	0,2	11..	
		0013L11	16	14	15,5	140	32	7	15	13	0,2	11..	
	16	SNR 0016M16	16	14	15,5	150	40	10,3	19	16	0,2	16..	
		SNL 0016M16	16	14	15,5	150	40	10,3	19	16	0,2	16..	
	22	SNR 0020Q22	20	18	19	180	45	13	24	22	0,4	22..	
		SNL 0020Q22	20	18	19	180	45	13	24	22	0,4	22..	
		16	CNR 0020P16	20	18	19	170	37	13,8	24	20	0,4	16..
0025R16			25	23	24	200	40	16,3	29	26	0,7	16..	
0032S16			32	30	31	250	44	19,8	36	32	1,4	16..	
0040T16			40	37	38,5	300	50	23,8	44	40	2,7	16..	
0050U16			50	47	48,5	350	50	28,8	54	50	4,9	16..	
CNL 0020P16			20	18	19	170	37	13,8	24	20	0,4	16..	
0025R16			25	23	24	200	40	16,3	29	26	0,7	16..	
0032S16			32	30	31	250	44	19,8	36	32	1,4	16..	
0040T16			40	37	38,5	300	50	23,8	44	40	2,7	16..	
22			CNR 0025R22	25	23	24	200	44	17,8	30	28	0,7	22..
			0032S22	32	30	31	250	50	21,3	38	32	1,4	22..
			0040T22	40	37	38,5	300	51	25,3	46	40	2,7	22..
		0050U22	50	47	48,5	350	62	30,3	56	50	4,9	22..	
		0063V22	63	59	61	400	70	36,8	69	63	9,0	22..	
		CNL 0025R22	25	23	24	200	44	17,8	30	28	0,7	22..	
		0032S22	32	30	31	250	50	21,3	38	32	1,4	22..	
		0040T22	40	37	38,5	300	51	25,3	46	40	2,7	22..	
		CNR 0050T22API	50	48	49	300	114	20,5	–	–	3,6	22..	
		27	CNR 0040T27	40	37	38,5	300	53	26,8	48	44	2,6	27..
			0050U27	50	47	48,5	350	62	31,8	58	50	4,9	27..
			0063V27	63	59	61	400	70	38,3	70	63	9,0	27..
CNL 0040T27			40	37	38,5	300	61	26,8	48	44	2,6	27..	

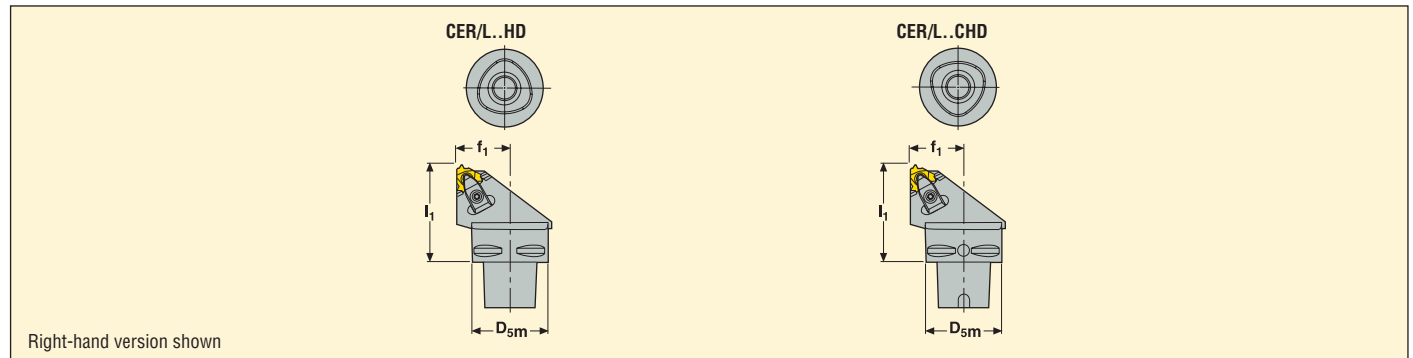
Spare parts, included in delivery

Toolholder/ Insert dimension	Locking screw/Key		Anvil for insert type S		Anvil for insert type M*		Anvil screw/Key*		Clamp + Screw/Key		Coolant adapter*
S..09A	C02205-T07P	T07P-2	–	–	–	–	–	–	–	–	SEAL20
S..11	C02506-T07P	T07P-2	–	–	–	–	–	–	–	–	–
S..16	C03508-T15P	T15P-2	–	–	–	–	–	–	–	–	–
S..22	C04011-T15P	T15P-2	–	–	–	–	–	–	–	–	–
C..16	–	–	GX 16-1	MX 16-1	CS3507-T09P	T09P-2	CSP 16	T15-2	–	–	–
C..22	–	–	NX 22-1	MX 22-1	CS4009-T15P	–	CSP 22	T15-2	–	–	–
C..27	–	–	VX 27-1	MX 27-1	C05012-T15P	T15P-2	CSP 27	T25-7	–	–	–

Please check availability in current price and stock-list.

*To be ordered separately

Toolholders for S-inserts



Application		Part No.	Dimensions in mm			KG	
			D _{5m}	f ₁	l ₁		
	16	C4-CER-27050-16HD	40	27	50	0,4	16..
		C4-CEL-27050-16HD	40	27	50	0,4	16..
	22	C4-CER-27050-22HD	40	27	50	0,4	22..
		C4-CEL-27050-22HD	40	27	50	0,4	22..
	16	C5-CER-35060-16HD	50	35	60	0,8	16..
		C5-CEL-35060-16HD	50	35	60	0,8	16..
	22	C5-CER-35060-22HD	50	35	60	0,8	22..
		C5-CEL-35060-22HD	50	35	60	0,8	22..
	16	C6-CER-45065-16HD	63	45	65	1,5	16..
		C6-CEL-45065-16HD	63	45	65	1,5	16..
	22	C6-CER-45065-22HD	63	45	65	1,5	22..
		C6-CEL-45065-22HD	63	45	65	1,5	22..
	27	C6-CER-45065-27HD	63	45	65	1,5	27..
		C6-CEL-45065-27HD	63	45	65	1,5	27..
	16	C4-CER-27050-16CHD	40	27	50	0,4	16..
		C4-CEL-27050-16CHD	40	27	50	0,4	16..
	22	C4-CER-27050-22CHD	40	27	50	0,4	22..
		C4-CEL-27050-22CHD	40	27	50	0,4	22..
	16	C5-CER-35060-16CHD	50	35	60	0,8	16..
		C5-CEL-35060-16CHD	50	35	60	0,8	16..
	22	C5-CER-35060-22CHD	50	35	60	0,8	22..
		C5-CEL-35060-22CHD	50	35	60	0,8	22..
	16	C6-CER-45065-16CHD	63	45	65	1,5	16..
		C6-CEL-45065-16CHD	63	45	65	1,5	16..
	22	C6-CER-45065-22CHD	63	45	65	1,5	22..
		C6-CEL-45065-22CHD	63	45	65	1,5	22..
	27	C6-CER-45065-27CHD	63	45	65	1,5	27..
		C6-CEL-45065-27CHD	63	45	65	1,5	27..

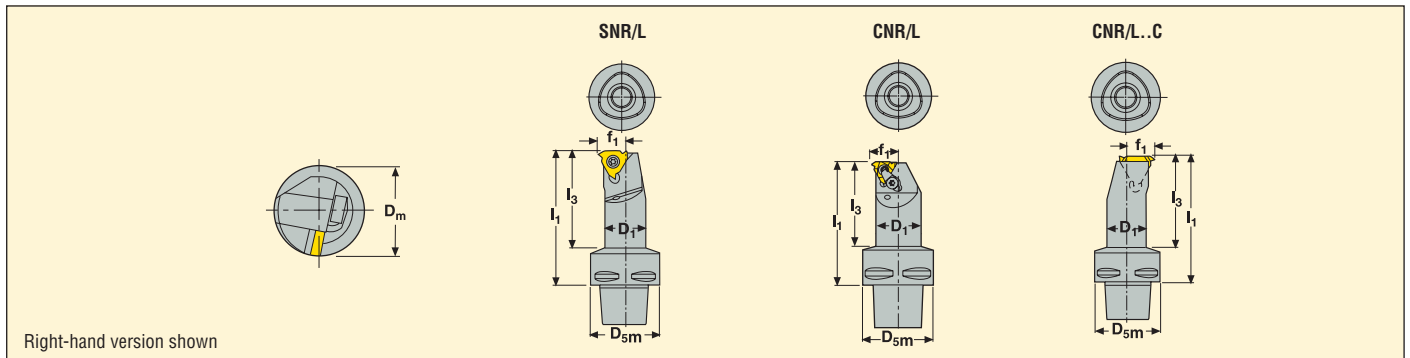
Spare parts, included in delivery

Toolholder/ Insert dimension	Anvil for insert type S	Anvil for insert type M*	Anvil screw/Key*		Clamp	Clamp screw	Spring	Key
-16	GX16-1	MX16-1	CS3507-T09P	T09P-2	CHD16	L85020-T15P	S6912	T15P-7
-22	NX22-1	MX22-1	CS4009-T15P	T15P-2	CHD22	L86025-T20P	S7616	T20P-7
-27	VX27-1	MX27-1	C05012-T15P	T15P-2	CHD27	L86025-T20P	S7616	T20P-7

Please check availability in current price and stock-list.

*To be ordered separately

Toolholders for S-inserts



Application	Part No.	Dimensions in mm							KG	Insert	
		D ₁	D _{5m}	f ₁	D _m min	l ₁	l ₃				
	16	C4-SNR -10060-16	16	40	10	19	60	37	0,3	16..	
		C4-CNR -14060-16	20	40	13,8	24	60	36	0,3	16..	
		-17070-16	25	40	16,3	29	70	48	0,4	16..	
		-20090-16	32	40	19,8	36	90	69	0,6	16..	
		C4-CNL -14060-16	20	40	13,8	24	60	36	0,3	16..	
		-17070-16	25	40	16,3	29	70	48	0,4	16..	
	22	-20090-16	32	40	19,8	36	90	69	0,6	16..	
		C4-CNR -22090-22	32	40	21,3	38	90	69	0,6	22..	
		C4-CNL -22090-22	32	40	21,3	38	90	69	0,6	22..	
		16	C5-CNR -14060-16	20	50	13,8	24	60	36	0,5	16..
			-17070-16	25	50	16,3	29	70	47	0,6	16..
			-20090-16	32	50	19,8	36	90	68	0,8	16..
	22	C5-CNL -14060-16	20	50	13,8	24	60	36	0,5	16..	
		-17070-16	25	50	16,3	29	70	47	0,6	16..	
		-20090-16	32	50	19,8	36	90	68	0,8	16..	
		C5-CNR -18070-22	25	50	17,8	30	70	47	0,6	22..	
		-22090-22	32	50	21,3	38	90	68	0,9	22..	
		C5-CNL -18070-22	25	50	17,8	30	70	47	0,6	22..	
	16	-22090-22	32	50	21,3	38	90	68	0,9	22..	
		C6-CNR -17075-16	25	63	16,3	29	75	53	1,1	16..	
		-20090-16	32	63	19,8	36	90	68	1,1	16..	
		-24105-16	40	63	23,8	44	105	80	1,5	16..	
		C6-CNL -17075-16	25	63	16,3	29	75	53	1,1	16..	
		-20090-16	32	63	19,8	36	90	68	1,1	16..	
-24105-16		40	63	23,8	44	105	80	1,5	16..		
22		C6-CNR -18075-22	25	63	17,8	30	75	53	1,1	22..	
		-22090-22	32	63	21,3	38	90	68	1,2	22..	
		-26105-22	40	63	25,3	46	105	80	1,5	22..	
	C6-CNL -18075-22	25	63	17,8	30	75	53	1,1	22..		
	-22090-22	32	63	21,3	38	90	68	1,2	22..		
	-26105-22	40	63	25,3	46	105	80	1,5	22..		
	16	C4-CNR -14060-16C	20	40	13,8	24	60	36	0,3	16..	
		C4-CNL -14060-16C	20	40	13,8	24	60	36	0,3	16..	
		C5-CNR -17070-16C	25	50	16,3	29	70	47	0,6	16..	
		-20090-16C	32	50	19,8	36	90	68	0,8	16..	
		C5-CNL -17070-16C	25	50	16,3	29	70	47	0,6	16..	
		-20090-16C	32	50	19,8	36	90	68	0,8	16..	
	22	C5-CNR -18070-22C	25	50	17,8	30	70	47	0,6	22..	
		C5-CNL -18070-22C	25	50	17,8	30	70	47	0,6	22..	
		16	C6-CNR -20090-16C	32	63	19,8	36	90	68	1,1	16..
			-24105-16C	40	63	23,8	44	105	80	1,5	16..
			-20090-16C	32	63	19,8	36	90	68	1,1	16..
		22	-24105-16C	40	63	23,8	44	105	80	1,5	16..
	C6-CNR -22090-22C		32	63	21,3	38	90	68	1,2	22..	
	-26105-22C		40	63	25,3	46	105	80	1,5	22..	
	C6-CNL -22090-22C		32	63	21,3	38	90	68	1,2	22..	
	-26105-22C		40	63	25,3	46	105	80	1,5	22..	
	C6-CNL -22090-22C		32	63	21,3	38	90	68	1,2	22..	

Spare parts, included in delivery

Toolholder/ Insert dimension	Anvil for insert type S	Anvil for insert type M*	Anvil screw/Key*	Clamp + Screw/Key
SNR...-16	-	-	-	C03508-T15P
-16 / -16C	GX16-1	MX16-1	CS3507-T09P	T15P-2
-22 / -22C	NX22-1	MX22-1	CS4009-T15P	T15P-2

Please check availability in current price and stock-list.

*To be ordered separately

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