

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	f <sub>1</sub>	f	t <sub>max</sub>	Spannbereich Clamping range	HWS
R360.1212.01	12	12	100	24	25	10,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02	12	12	100	24	25	9,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.1616.01	16	16	125	22	25	14,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.02	16	16	125	22	25	13,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.2020.01	20	20	125	21	25	18,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.02	20	20	125	21	25	17,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.2525.01	25	25	150	-	25	23,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.02	25	25	150	-	25	22,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.3232.01	32	32	170	-	32	30,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.3232.02	32	32	170	-	32	29,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.1212.01	12	12	100	24	25	10,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02	12	12	100	24	25	9,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.1616.01	16	16	125	22	25	14,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.02	16	16	125	22	25	13,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.2020.01	20	20	125	21	25	18,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.02	20	20	125	21	25	17,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.2525.01	25	25	150	-	25	23,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.02	25	25	150	-	25	22,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.3232.01	32	32	170	-	32	30,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.3232.02	32	32	170	-	32	29,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L

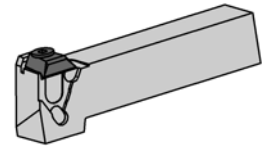
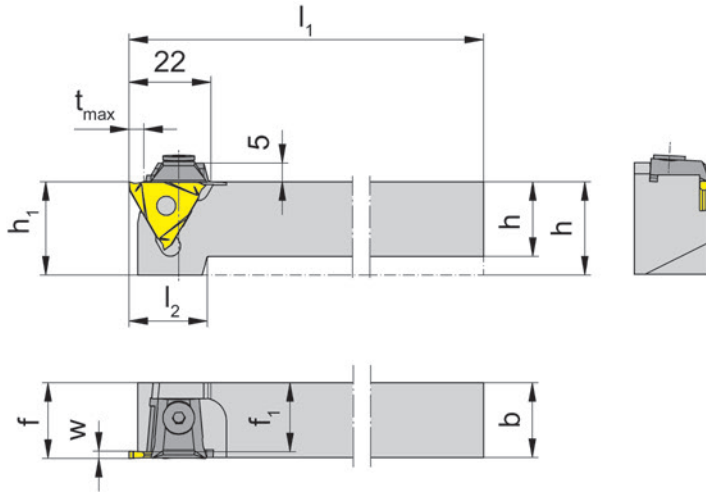
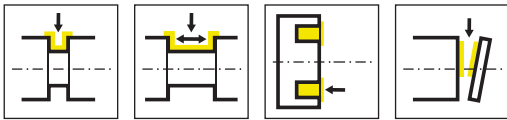
w, a1 siehe WSP  
w, a1 see indexable inserts

tmax nur bei Werkstück-Ø ≤ 40 mm erreichbar.  
tmax can be reached only with workpiece Ø ≤ 40 mm

## Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360.1...	11.3
R/L360...	16.4



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L = left hand version

Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	f <sub>1</sub>	f	t <sub>max</sub>	Spannbereich Clamping range	HWS
R360.1212.03	12	12	100	24	25	8,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
R360.1616.04	16	16	125	22	25	10,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
R360.1616.03	16	16	125	22	25	12,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
R360.2020.04	20	20	125	21	25	14,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
R360.2020.03	20	20	125	21	25	16,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
R360.2525.04	25	25	150	-	25	19,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
R360.2525.03	25	25	150	-	25	21,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
R360.3232.04	32	32	170	-	32	26,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
R360.3232.03	32	32	170	-	32	28,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
L360.1212.03	12	12	100	24	25	8,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
L360.1616.04	16	16	125	22	25	10,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
L360.1616.03	16	16	125	22	25	12,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
L360.2020.04	20	20	125	21	25	14,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
L360.2020.03	20	20	125	21	25	16,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
L360.2525.04	25	25	150	-	25	19,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
L360.2525.03	25	25	150	-	25	21,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L
L360.3232.04	32	32	170	-	32	26,8	f <sub>1</sub> +w-a <sub>1</sub>	6	3,9-6,3	31204N • 31204R • 31204L
L360.3232.03	32	32	170	-	32	28,5	f <sub>1</sub> +w-a <sub>1</sub>	6	2,9-3,9	31203N • 31203R • 31203L

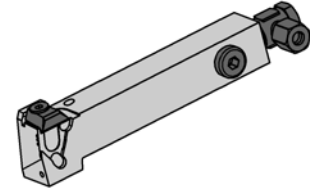
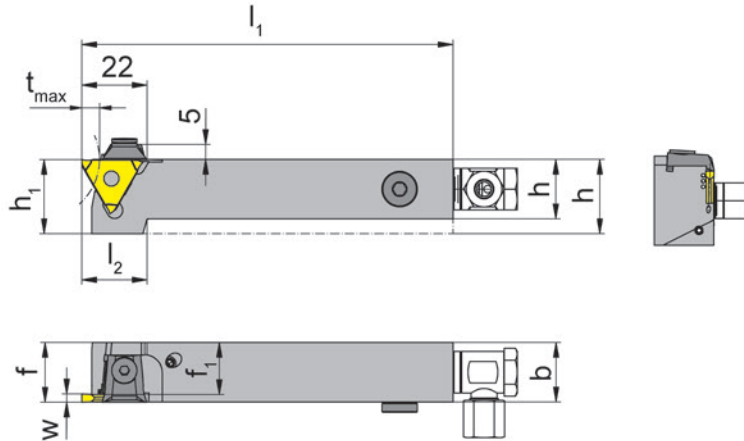
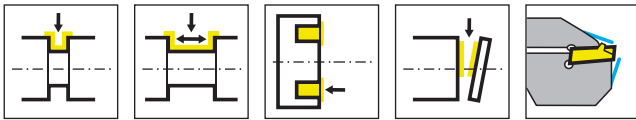
w, a1 siehe WSP  
w, a1 see indexable inserts

tmax nur bei Werkstück-Ø ≤ 40 mm erreichbar.  
tmax can be reached only with workpiece Ø ≤ 40 mm

## Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360....	11.3
R/L360.1616.04	13.4
R/L360...	16.4



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Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	f <sub>1</sub>	f	t <sub>max</sub>	Spannbereich Clamping range	HWS
R360.1212.01.IK	12	12	100	24	25	10,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.01.IK	16	16	125	22	25	14,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.01.IK	20	20	125	21	25	18,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.01.IK	25	25	150	-	25	23,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02.IK	12	12	100	24	25	9,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.1616.02.IK	16	16	125	22	25	13,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.2020.02.IK	20	20	125	21	25	17,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
R360.2525.02.IK	25	25	150	-	25	22,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.1212.01.IK	12	12	100	24	25	10,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.01.IK	16	16	125	22	25	14,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.01.IK	20	20	125	21	25	18,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.01.IK	25	25	150	-	25	23,5	f <sub>1</sub> +w-a <sub>1</sub>	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02.IK	12	12	100	24	25	9,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.1616.02.IK	16	16	125	22	25	13,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.2020.02.IK	20	20	125	21	25	17,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L
L360.2525.02.IK	25	25	150	-	25	22,5	f <sub>1</sub> +w-a <sub>1</sub>	6	1,9-2,9	31202N • 31202R • 31202L

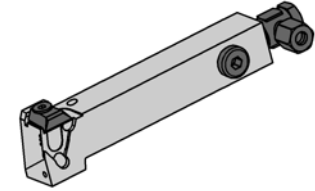
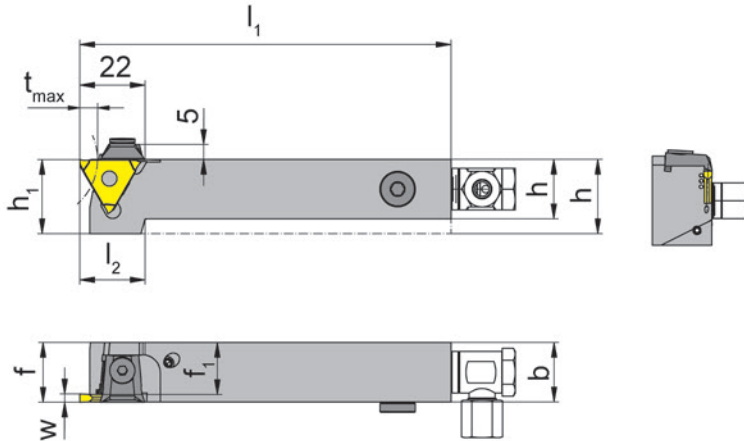
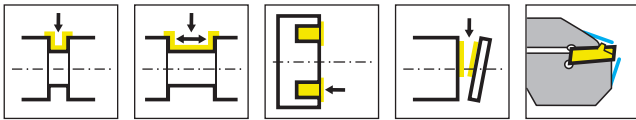
w, a1 siehe WSP  
w, a1 see indexable inserts

tmax nur bei Werkstück-Ø ≤ 40 mm erreichbar.  
tmax can be reached only with workpiece Ø ≤ 40 mm

## Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannelement Clamping element	Verschlusschraube Screw Plug
R/L360.1212....	004.00.22	11.3	
R/L360.1616....	004.00.16	11.3	004.00.26
R/L360....	004.00.16	16.4	18.908
R/L360.2525.01.IK	004.00.16	16.4	004.00.26



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Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	f <sub>1</sub>	f	t <sub>max</sub>	HWS
R360.1212.03.IK	12	12	100	24	25	8,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
R360.1616.03.IK	16	16	125	22	25	12,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
R360.2020.03.IK	20	20	125	21	25	16,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
R360.1616.04.IK	16	16	125	21	25	10,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L
R360.2020.04.IK	20	20	125	22	25	14,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L
R360.2525.04.IK	25	25	150	-	25	19,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L
L360.1212.03.IK	12	12	100	24	25	8,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
L360.1616.03.IK	16	16	125	22	25	12,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
L360.2020.03.IK	20	20	125	21	25	16,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
L360.2525.03.IK	25	25	150	-	25	21,5	f <sub>1</sub> +w-a <sub>1</sub>	6	31203N • 31203R • 31203L
L360.1616.04.IK	16	16	125	21	25	10,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L
L360.2020.04.IK	20	20	125	22	25	14,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L
L360.2525.04.IK	25	25	150	-	25	19,8	f <sub>1</sub> +w-a <sub>1</sub>	6	31204N • 31204R • 31204L

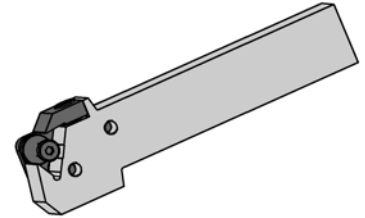
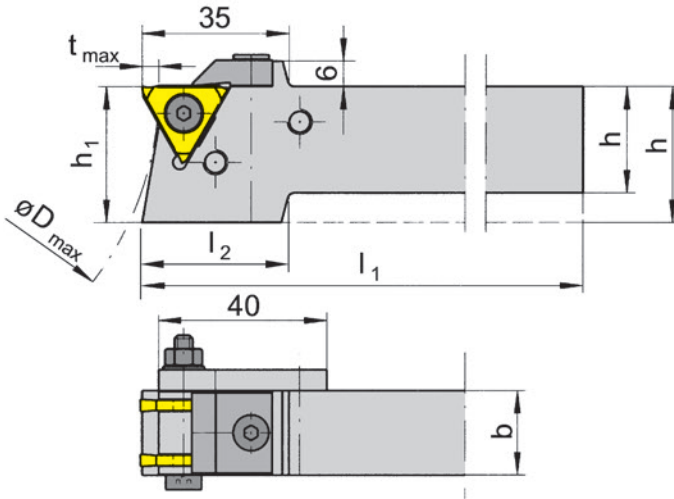
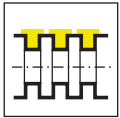
w, a<sub>1</sub> siehe WSP  
w, a<sub>1</sub> see indexable inserts

t<sub>max</sub> nur bei Werkstück-Ø ≤ 40 mm erreichbar.  
t<sub>max</sub> can be reached only with workpiece Ø ≤ 40 mm

## Ersatzteile

Spare Parts

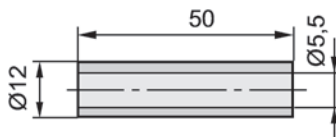
Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannelement Clamping element	Verschlusschraube Screw Plug
R/L360.1212.03.IK	004.00.22	11.3	
R/L360.1616.03.IK	004.00.16	11.3	004.00.26
R/L360.2020.03.IK	004.00.16	16.4	18.908
L360.2525.03.IK	004.00.16	16.4	18.908
R/L360.1616.04.IK	004.00.16	13.4	004.00.26
R/L360.2020.04.IK	004.00.16	16.4	
R/L360.2525.04.IK	004.00.16	16.4	004.00.26



Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	D <sub>max</sub>	t <sub>max</sub>	HWS
<b>340.2020.01</b>	20	20	170	35	32	160	4	31201N
<b>340.2520.01</b>	25	20	170	35	32	160	4	31201N
<b>340.3220.01</b>	32	20	170	-	32	160	4	31201N

Nur mit Sonderschneidplatten Typ 312 verwendbar  
Only usable with special inserts type 312

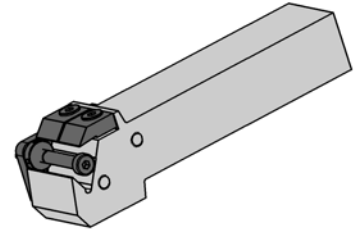
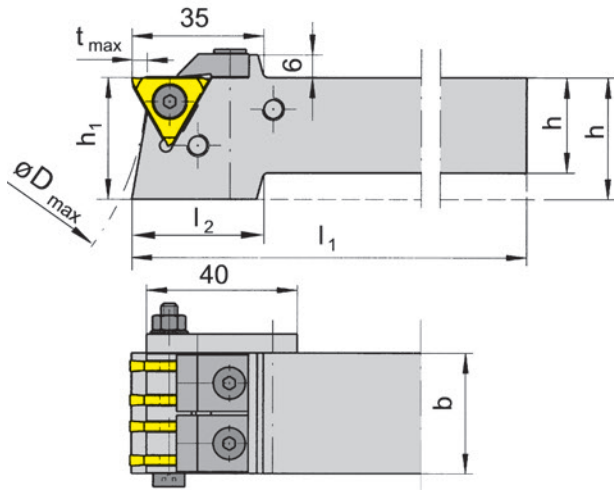
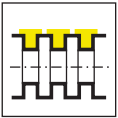
Rohr zur individuellen Herstellung von Distanzringen Best.Nr. 340.0012.50  
Tube for producing spacing rings Part number 340.0012.50 separate order required



**Ersatzteile**  
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Spannelement Clamping element
340...	<b>5.30.7984</b>	<b>340.0200</b>

0

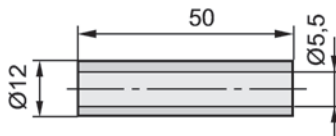


Lieferzustand **rechts** montiert  
Right hand mounted

Bestellnummer Part number	h	b	l <sub>1</sub>	l <sub>2</sub>	h <sub>1</sub>	D <sub>max</sub>	t <sub>max</sub>	HWS
<b>340.2532.02</b>	25	32	170	35	32	160	4	31202N

Nur mit Sonderschneidplatten Typ 312 verwendbar  
Only usable with special inserts type 312

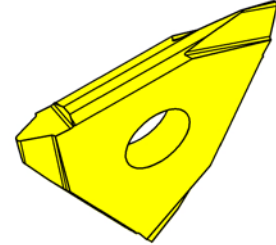
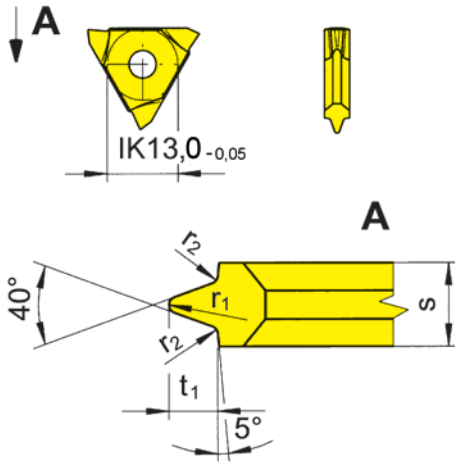
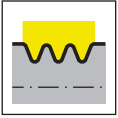
Rohr zur individuellen Herstellung von Distanzringen Best.Nr. 340.0012.50  
Tube for producing spacing rings Part number 340.0012.50 separate order required



**Ersatzteile**  
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Paketschraube Package screw	Spannelement Clamping element
340.2532.02	<b>6.16.7991</b>	<b>5.40.7984</b>	<b>22.16</b>

0



HM-Sorten  
Carbide grades

▲ ab Lager  
on stock

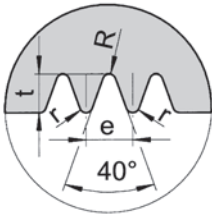
Δ 4 Wochen  
4 weeks

Bestellnummer Part number	r <sub>2</sub>	t <sub>1</sub>	s	r <sub>1</sub>	HIS	P20	EG52	TN32
312.0223.23	0,2	2,3	2,34	0,25	31202N	Δ	▲	Δ
312.0223.30	0,2	2,3	3	0,25	31203N	▲	▲	▲

WSP 312.0223.23 für Paket-Bestückung WSP 312.0223.30 für Einzel-Bestückung  
Insert 312.0223.23 for multi grooving Insert 312.0223.30 for single grooving

**Nutform:**  
Poly-V-Riemennut Profil „J“  
**Shape of groove:**  
Poly-V-belt grooves profile „J“

P	●	●	●
M	-	○	-
K	-	-	-
N	-	-	-
S	-	-	-
H	-	-	-



e	t		R		r
±0,25	max	min	max	min	
2,34	2,34	2,08	0,38	0,25	0,2