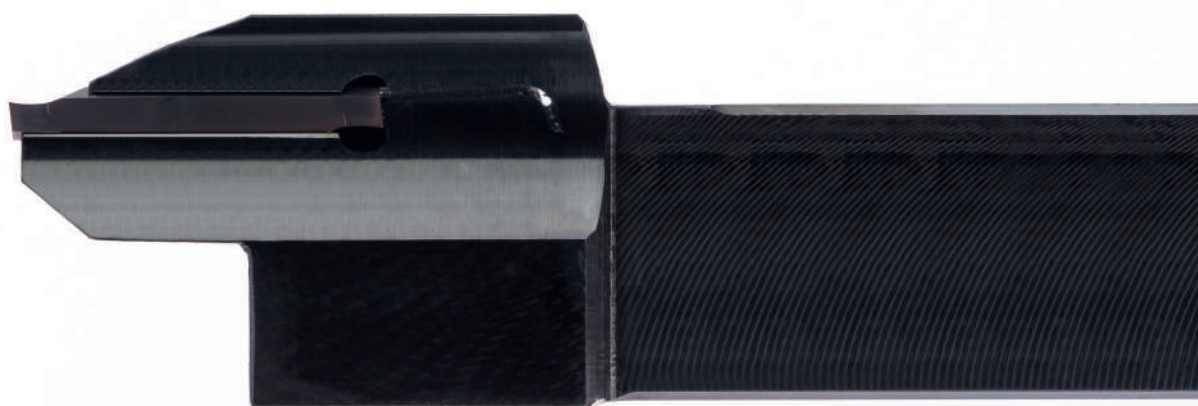
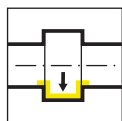




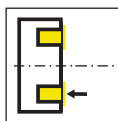
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システム/System	ページ/Page
105/109/110	506
114	526
15A/25A	536
224	548
229	564
231	584
312	590
A315	596

ツールホルダー
Toolholder
B105/BU105/H105/
HC105
VDI/B109/B110

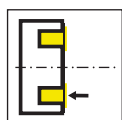


ページ/Page
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ページ/Page
518, 521, 523

インサート
Insert
105/A105/A109/A110



ページ/Page
513-517, 519-
520, 522, 524-
525

15A/25A



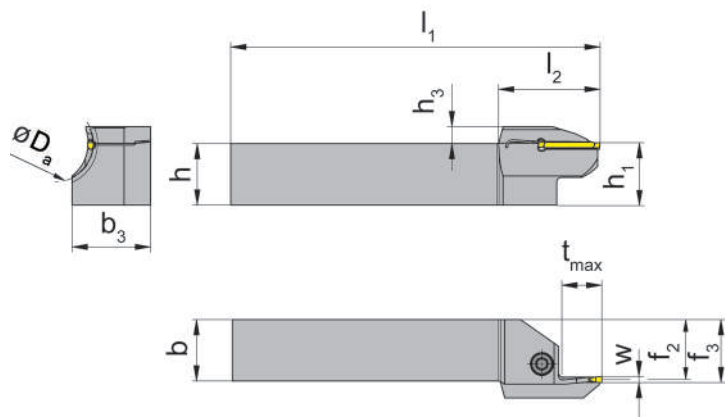
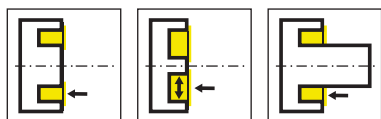
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ツールホルダー/インサート

溝幅 2 - 4 mm

Toolholder and
Inserts

Width of groove 2 - 4 mm



L = 左勝手バージョン図示
L = left hand version shown

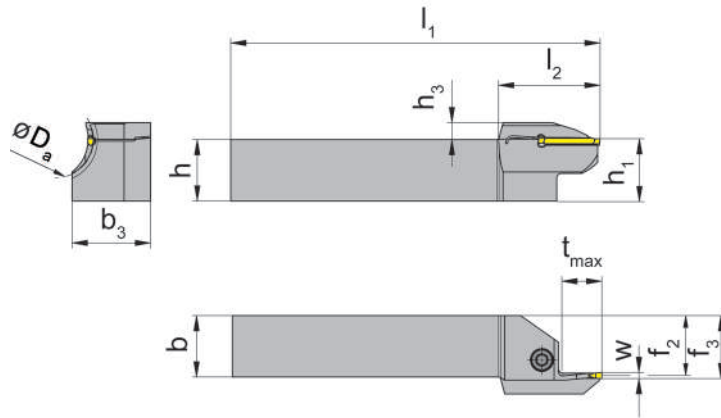
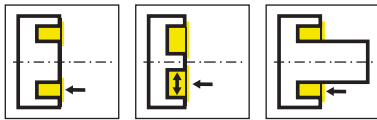
R = 右勝手バージョン
R = right hand version

型式 Part number	h	b	l ₁	l ₂	h ₁	b ₃	f ₂	f ₃	t _{max}	h ₃	D _{a min}	D _{a max}	HWS
RAH25A.12.1520.02	12	12	120	32	12.3	15.5	11.5	12.5	12	5	15	20	25A02
RAH25A.12.2025.02	12	12	120	32	12.3	16.5	11.5	12.5	12	5	20	25	25A02
RAH25A.12.2530.02	12	12	120	33	12.3	17.5	11.5	12.5	13	5.5	25	30	25A02
RAH25A.16.1520.02	16	16	120	32	16.3	19.5	15.5	16.5	12	5	15	20	25A02
RAH25A.16.2025.02	16	16	120	32	16.3	20.5	15.5	16.5	12	5	20	25	25A02
RAH25A.16.2530.02	16	16	120	33	16.3	21.5	15.5	16.5	13	5.5	25	30	25A02
RAH25A.20.1520.02	20	20	120	32	20.3	23.5	19.5	20.5	12	5	15	20	25A02
RAH25A.20.2025.02	20	20	120	32	20.3	24.5	19.5	20.5	12	5	20	25	25A02
RAH25A.20.2530.02	20	20	120	33	20.3	25.5	19.5	20.5	13	5.5	25	30	25A02
LAH25A.12.1520.02	12	12	120	32	12.3	15.5	11.5	12.5	12	5	15	20	25A02
LAH25A.12.2025.02	12	12	120	32	12.3	16.5	11.5	12.5	12	5	20	25	25A02
LAH25A.12.2530.02	12	12	120	33	12.3	17.5	11.5	12.5	13	5.5	25	30	25A02
LAH25A.16.1520.02	16	16	120	32	16.3	19.5	15.5	16.5	12	5	15	20	25A02
LAH25A.16.2025.02	16	16	120	32	16.3	20.5	15.5	16.5	12	5	20	25	25A02
LAH25A.16.2530.02	16	16	120	33	16.3	21.5	15.5	16.5	13	5.5	25	30	25A02
LAH25A.20.1520.02	20	20	120	32	20.3	23.5	19.5	20.5	12	5	15	20	25A02
LAH25A.20.2025.02	20	20	120	32	20.3	24.5	19.5	20.5	12	5	20	25	25A02
LAH25A.20.2530.02	20	20	120	33	20.3	25.5	19.5	20.5	13	5.5	25	30	25A02

刃先は芯高+0.3mmでセットしてください。
The cutting edge is above 0,3 mm the centre height
w寸法はインサートページをご参照ください。
w see indexable inserts

予備部品 Spare Parts

ツールホルダー Toolholder	ねじ Clamping Screw	トルクスレンチ TORX PLUS® Wrench
R/LAH25A.12...	5.14T20P	T20PQ
R/LAH25A...	5.13T20P	T20PQ



L = 左勝手バージョン図示
L = left hand version shown

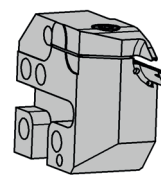
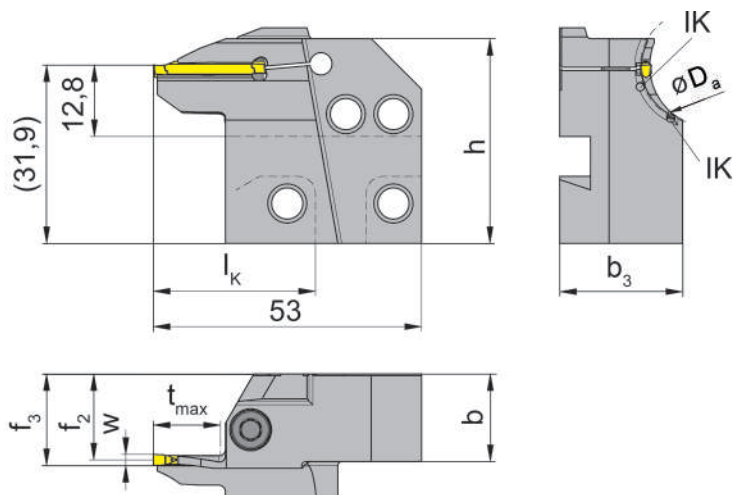
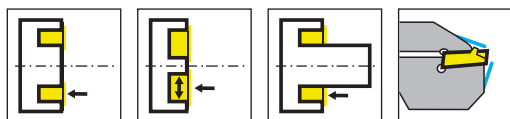
R = 右勝手バージョン
R = right hand version

型式 Part number	h	b	l ₁	l ₂	h ₁	b ₃	f ₂	f ₃	t _{max}	h ₃	D _{a min}	D _{a max}	HWS
RAH25A.12.1520.03	12	12	120	32	12.3	17	11	12.5	13	5.5	15	20	25A03
RAH25A.16.1520.03	16	16	120	32	16.3	21	15	16.5	13	5.5	15	20	25A03
RAH25A.20.1520.03	20	20	120	33	20.3	25	19	20.5	13	5.5	15	20	25A03
RAH25A.16.2025.03	16	16	120	34	16.3	22.5	15	16.5	14	5	20	25	25A03
RAH25A.20.2025.03	20	20	120	34	20.3	26.5	19	20.5	14	5.5	20	25	25A03
RAH25A.12.2530.03	12	12	120	35	12.3	19.5	11	12.5	15	6	25	30	25A03
RAH25A.16.2530.03	16	16	120	35	16.3	23.5	15	16.5	15	6	25	30	25A03
RAH25A.20.2530.03	20	20	120	35	20.3	27.5	19	20.5	15	6	25	30	25A03
LAH25A.12.1520.03	12	12	120	33	12.3	17	11	12.5	13	5.5	15	20	25A03
LAH25A.16.1520.03	16	16	120	33	16.3	21	15	16.5	13	5.5	15	20	25A03
LAH25A.20.1520.03	20	20	120	33	20.3	25	19	20.5	13	5.5	15	20	25A03
LAH25A.12.2025.03	12	12	120	34	12.3	18.5	11	12.5	14	5.5	20	25	25A03
LAH25A.16.2025.03	16	16	120	34	16.3	22.5	15	16.5	14	5.5	20	25	25A03
LAH25A.20.2025.03	20	20	120	34	20.3	26.5	19	20.5	14	5.5	20	25	25A03
LAH25A.16.2530.03	16	16	120	35	16.3	23.5	15	16.5	15	6	25	30	25A03
LAH25A.20.2530.03	20	20	120	35	20.3	27.5	19	20.5	15	6	25	30	25A03

刃先は芯高+0.3mmでセットしてください。
The cutting edge is above 0,3 mm the centre height
w寸法はインサートページをご参照ください。
w see indexable inserts

予備部品 Spare Parts

ツールホルダー Toolholder	ねじ Clamping Screw	トルクスレンチ TORX PLUS® Wrench
R/LAH25A.12...	5.14T20P	T20PQ
R/LAH25A...	5.13T20P	T20PQ



R = 右勝手バージョン図示
R = right hand version shown

L = 左勝手バージョン
L = left hand version

型式 Part number	D _{a min}	D _{a max}	t _{max}	b	b ₃	f ₂	f ₃	w	h	l _k	HWS	HMS
RAK25A.1520.02.IK	15	20	12	15.7	21	15.4	f ₂ +w/2	2	38.6	34	25A02	220001
RAK25A.2025.02.IK	20	25	12	15.7	22	15.4	f ₂ +w/2	2	38.6	34	25A02	220001
RAK25A.2530.02.IK	25	30	13	15.7	23	15.4	f ₂ +w/2	2	38.6	34	25A02	220001
RAK25A.2025.03.IK	20	25	14	15.7	24	14.9	f ₂ +w/2	3	38.6	34	25A03	220001
RAK25A.2530.03.IK	25	30	15	15.7	25	14.9	f ₂ +w/2	3	38.6	34	25A03	220001
RAK25A.3040.03.IK	30	40	16	15.7	23	14.9	f ₂ +w/2	3	38.6	34	25A03	220001
RAK25A.4050.03.IK	40	50	18	15.7	24	14.9	f ₂ +w/2	3	38.6	34	25A03	220001
RAK25A.5065.03.IK	65	80	18	15.7	21.5	15.4	f ₂ +w/2	3	39	34	25A03	220001
RAK25A.6580.03.IK	50	65	20	15.7	24	17.1	f ₂ +w/2	3	39	34	25A03	220001
RAK25A.2025.04.IK	20	25	16	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220001
RAK25A.2530.04.IK	25	30	17	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220001
RAK25A.3040.04.IK	30	40	18	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220001
RAK25A.4050.04.IK	40	50	20	15.7	24	15.5	f ₂ +w/2	4	39.2	34	25A04	220001
RAK25A.5065.04.IK	50	65	20	15.7	24	17.1	f ₂ +w/2	4	39	34	25A04	220001
LAK25A.1520.02.IK	15	20	12	15.7	21	15.4	f ₂ +w/2	2	38.6	34	25A02	220002
LAK25A.2025.02.IK	20	25	12	15.7	22	15.4	f ₂ +w/2	2	38.6	34	25A02	220002
LAK25A.2530.02.IK	25	30	13	15.7	23	15.4	f ₂ +w/2	2	38.6	34	25A02	220002
LAK25A.2025.03.IK	20	25	14	15.7	24	14.9	f ₂ +w/2	3	38.6	34	25A03	220002
LAK25A.2530.03.IK	25	30	15	15.7	25	14.9	f ₂ +w/2	3	38.6	34	25A03	220002
LAK25A.3040.03.IK	30	40	16	15.7	23	14.9	f ₂ +w/2	3	38.6	34	25A03	220002
LAK25A.4050.03.IK	40	50	18	15.7	24	14.9	f ₂ +w/2	3	38.6	34	25A03	220002
LAK25A.5065.03.IK	50	65	18	15.7	22	15.4	f ₂ +w/2	3	39	34	25A03	220002
LAK25A.6580.03.IK	65	80	18	15.7	21.5	15.4	f ₂ +w/2	3	39	34	25A03	220002
LAK25A.2025.04.IK	20	25	16	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220002
LAK25A.2530.04.IK	25	30	17	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220002
LAK25A.3040.04.IK	30	40	18	15.7	24	15.1	f ₂ +w/2	4	38.6	34	25A04	220002
LAK25A.4050.04.IK	40	50	20	15.7	24	15.1	f ₂ +w/2	4	39.2	34	25A04	220002
LAK25A.5065.04.IK	50	65	18	15.7	22	15.4	f ₂ +w/2	4	39	34	25A04	220002
LAK25A.6580.04.IK	65	80	20	15.7	23.5	17.1	f ₂ +w/2	4	39	34	25A04	220002

予備部品

Spare Parts

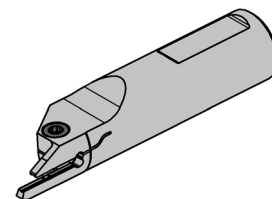
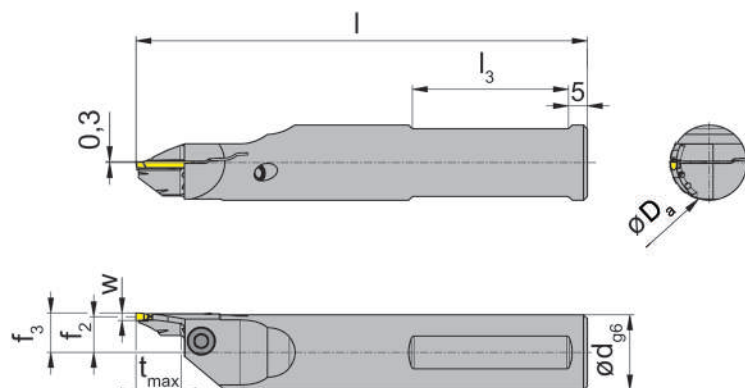
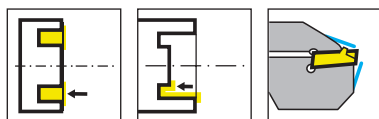
カセット Cassette	ねじ Clamping Screw	トルクスレンチ TORX PLUS® Wrench
R/LAK25A...	5.13T20P	T20PQ

刃先は芯高+0.3mmでセットしてください。

The cutting edge is above 0,3 mm the centre height

w寸法はインサートページをご参照ください。

w see indexable inserts



L = 左勝手バージョン図示
L = left hand version shown

R = 右勝手バージョン
R = right hand version

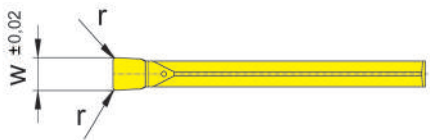
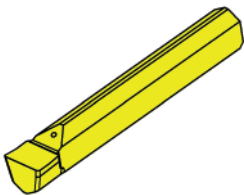
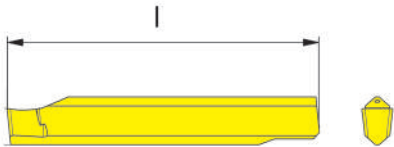
型式 Part number	d	l	l ₃	f ₃	f ₂	t _{max}	D _{a min}	D _{a max}	HWS
RIB25A.20.2025.02.IK	20	120	55	f ₂ +w/2	9.5	12	20	25	25A02
RIB25A.20.2530.02.IK	20	120	55	f ₂ +w/2	9.5	13	25	30	25A02
RIB25A.20.2025.03.IK	20	120	55	f ₂ +w/2	9	14	20	25	25A03
RIB25A.20.2530.03.IK	20	120	55	f ₂ +w/2	9	15	25	30	25A03
RIB25A.20.3040.03.IK	20	120	55	f ₂ +w/2	9	16	30	40	25A03
RIB25A.20.4050.03.IK	20	120	55	f ₂ +w/2	9	18	40	50	25A03
RIB25A.20.6580.03.IK	20	120	55	f ₂ +w/2	9	18	65	80	25A03
RIB25A.20.2025.04.IK	20	120	55	f ₂ +w/2	8.5	16	20	25	25A04
RIB25A.20.2530.04.IK	20	120	55	f ₂ +w/2	8.5	17	25	30	25A04
RIB25A.20.3040.04.IK	20	120	55	f ₂ +w/2	8.5	18	30	40	25A04
RIB25A.20.4050.04.IK	20	120	55	f ₂ +w/2	8.5	20	40	50	25A04
RIB25A.20.5065.04.IK	20	120	55	f ₂ +w/2	8.5	20	65	80	25A04
RIB25A.20.6580.04.IK	20	120	55	f ₂ +w/2	8.5	20	65	80	25A04
LIB25A.20.2025.02.IK	20	120	55	f ₂ +w/2	9.5	12	20	25	25A02
LIB25A.20.2530.02.IK	20	120	55	f ₂ +w/2	9.5	13	25	30	25A02
LIB25A.20.2025.03.IK	20	120	55	f ₂ +w/2	9	14	20	25	25A03
LIB25A.20.2530.03.IK	20	120	55	f ₂ +w/2	9	15	25	30	25A03
LIB25A.20.3040.03.IK	20	120	55	f ₂ +w/2	9	16	30	40	25A03
LIB25A.20.4050.03.IK	20	120	55	f ₂ +w/2	9	18	40	50	25A03
LIB25A.20.5065.03.IK	20	120	55	f ₂ +w/2	9	18	50	65	25A03
LIB25A.20.2025.04.IK	20	120	55	f ₂ +w/2	8.5	16	20	25	25A04
LIB25A.20.2530.04.IK	20	120	55	f ₂ +w/2	8.5	17	25	30	25A04
LIB25A.20.3040.04.IK	20	120	55	f ₂ +w/2	8.5	18	30	40	25A04
LIB25A.20.4050.04.IK	20	120	55	f ₂ +w/2	8.5	20	40	50	25A04
LIB25A.20.5065.04.IK	20	120	55	f ₂ +w/2	8.5	20	65	80	25A04

予備部品
Spare Parts

ツールホルダー Toolholder	ねじ Clamping Screw	トルクスレンチ TORX PLUS® Wrench
R/LIB25A.20...	5.13T20EP	T20PQ
R/LIB25A.20.5065..03	5.17T20P	T20PQ
R/LIB25A.20.6580.04.IK	5.13T20P	T20PQ

刃先は芯高+0.3mmでセットしてください。
The cutting edge is above 0,3 mm the centre height

w寸法はインサートページをご参照ください。
w see indexable inserts

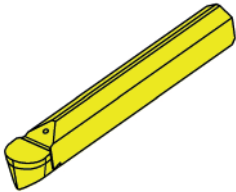
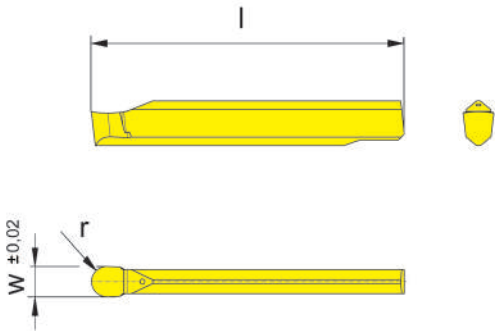
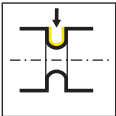


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r	l	HIS	TH35
S15A.0200.12	2	0.2	20	25A02	▲
S15A.0300.12	3	0.2	21	25A03	▲
S15A.0400.12	4	0.2	24	25A04	▲
				P	●
				M	●
				K	●
				N	●
				S	●
				H	-



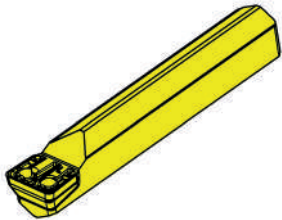
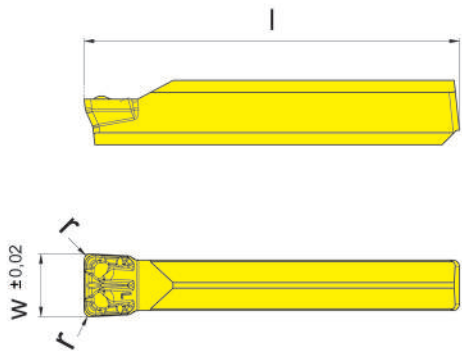
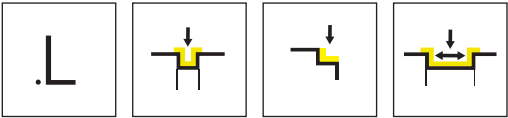
超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	l	r	HIS	TH35	
S15A.0200.10.10	2	20	1	25A02	▲	P ●
S15A.0300.10.15	3	21	1.5	25A03	▲	M ●
S15A.0400.10.20	4	24	2	25A04	▲	K ●
						N ●
						S ●
						H -



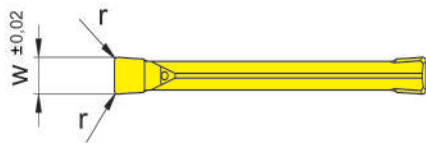
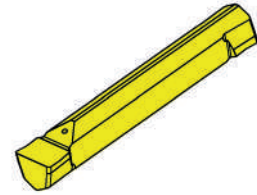
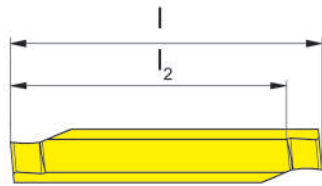
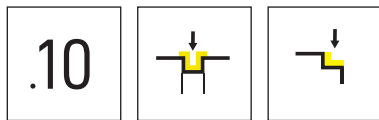


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

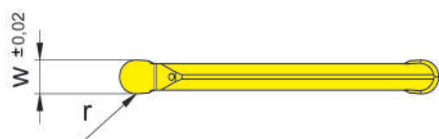
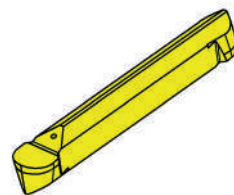
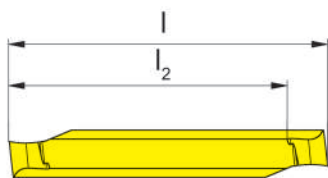
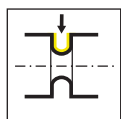
型式 Part number	w	r	l	HIS	AS45
S15A.0300.L2	3	0.2	24	25A03	▲
S15A.0400.L4	4	0.4	24	25A04	▲
					P ●
					M ●
					K ●
					N ○
					S ●
					H -



超硬材種
Carbide grades
▲ 在庫品
on stock
△ 4週間
4 weeks

型式 Part number	w	r	l	l ₂	HIS	TH35
S25A.0200.12	2	0.2	20	17	25A02	▲
S25A.0300.12	3	0.2	21	18	25A03	▲
S25A.0400.12	4	0.2	24	20.5	25A04	▲
						P ●
						M ●
						K ●
						N ●
						S ●
						H -

T

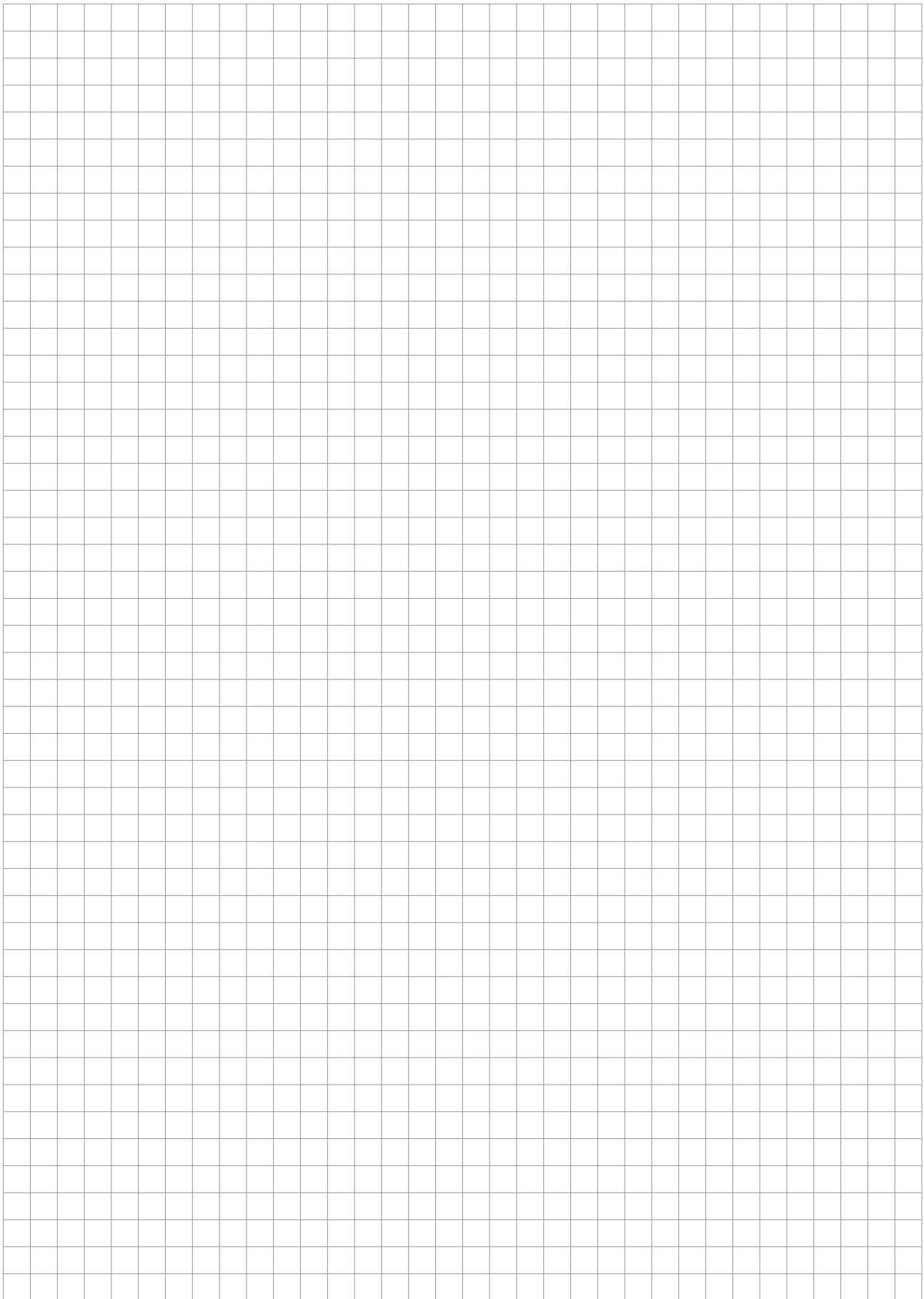


超硬材種
Carbide grades

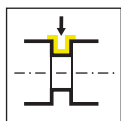
▲ 在庫品
on stock

△ 4週間
4 weeks

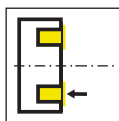
型式 Part number	w	l	r	l ₂	HIS	TH35
S25A.0200.10.10	2	20	1	17	25A02	▲
S25A.0300.10.15	3	21	1.5	18	25A03	▲
S25A.0400.10.20	4	24	2	20.5	25A04	▲
					P	●
					M	●
					K	●
					N	●
					S	●
					H	-



ベーシックツールホルダー
Basic toolholder
220/B224

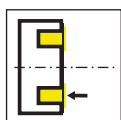


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カセット
Cassette
LAK224/RAK224/LIK224/
RIK224



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インサート
Indexable insert
S224



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