

312

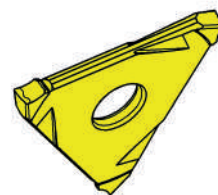
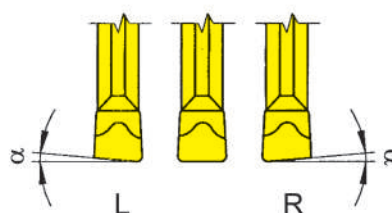
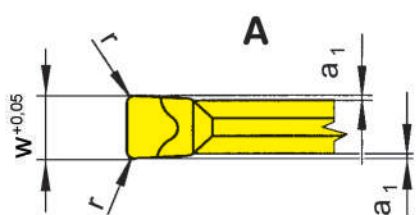
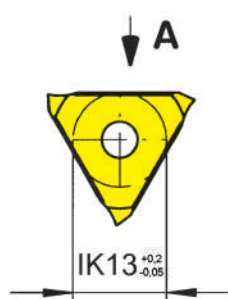
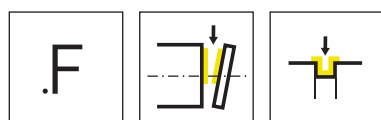


ツールホルダー/インサート
溝幅0.5 - 6.3 mm

Toolholder and
Inserts

Width of groove 0.5 - 6.3 mm

0



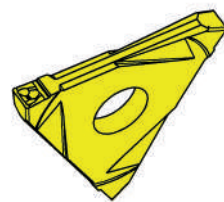
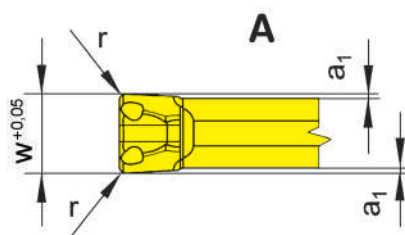
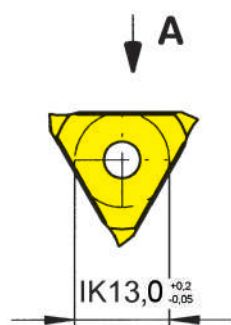
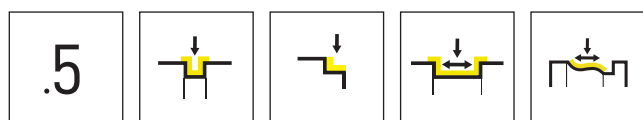
R = 右勝手バージョン図示
R = right hand version shown

L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	r	α	a_1	HIS	AL96	EG56	TF45	TF46	TI25
RS312.0520.F2	2	0.2	5°	0.25	31202N		△		▲	▲
RS312.0525.F2	2.5	0.2	5°	0.25	31202N		▲		▲	▲
LS312.0520.F2	2	0.2	5°	0.25	31202N		△		△	▲
LS312.0525.F2	2.5	0.2	5°	0.25	31202N		△			▲
S312.0200.F2	2	0.2	0°	0.25	31202N	△	▲	△	▲	▲
S312.0250.F2	2.5	0.2	0°	0.25	31202N	△	△	△	▲	▲
S312.0400.F2	4	0.2	0°	0.25	31204N		△		▲	△
S312.0400.F4	4	0.4	0°	0.25	31204N		▲		▲	▲
S312.0500.F2	5	0.2	0°	0.25	31204N		▲		▲	
S312.0500.F4	5	0.4	0°	0.25	31204N		△		△	
P	●	●	●	●	●	●	●	●	●	●
M	-	○	●	○	●	-	○	○	○	●
K	●	○	●	●	●	●	○	●	●	●
N	●	-	●	●	●	●	-	●	●	●
S	-	-	●	○	●	-	-	○	○	●
H	-	-	-	-	-	-	-	-	-	-



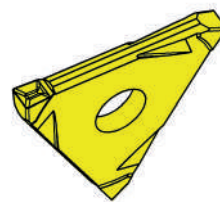
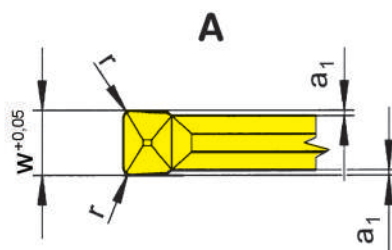
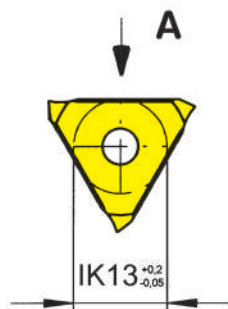
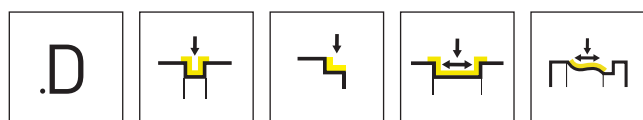
超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r	a ₁	HIS	AL96	AS62	AS66	EG56	TF45	TF46	TI25	TN32	TN35
S312.0250.52	2.5	0.2	0.25	31202N	▲	▲	▲	▲	▲	▲	▲	▲	
S312.0250.54	2.5	0.4	0.25	31202N	△	▲	▲	▲	▲	▲	▲	▲	▲
S312.0300.52	3	0.2	0.25	31203N	△	▲	▲	▲	▲	▲	▲	▲	
S312.0300.54	3	0.4	0.25	31203N	△	▲	▲	▲	△	▲	▲	▲	
S312.0400.52	4	0.2	0.25	31204N		▲	▲	▲		▲	▲	△	
S312.0400.54	4	0.4	0.25	31204N		▲	▲	▲		▲	▲	▲	
S312.0500.52	5	0.2	0.25	31204N		▲	▲	▲		▲	△	△	
S312.0500.54	5	0.4	0.25	31204N		▲	▲	△		▲	▲	△	
P	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	○	○	●	○	●	●	●	●	-	-	●
K	●	-	●	○	●	●	●	●	●	●	●	-	●
N	●	-	●	-	●	●	●	●	●	●	●	-	●
S	-	-	○	-	●	○	●	○	●	○	●	-	●
H	-	-	-	-	-	-	-	-	-	-	-	-	-

O

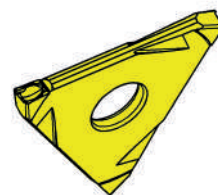
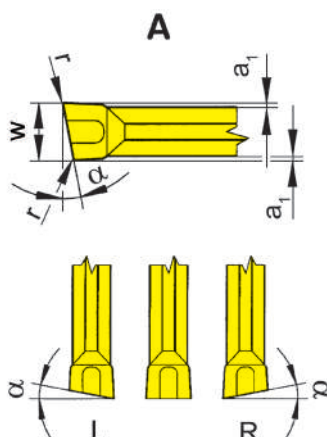
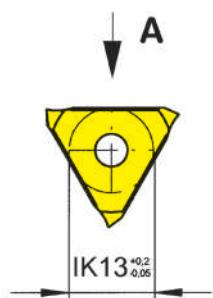


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r	a ₁	HIS	AL96	AS62	AS66	EG56	TF45	TF46	TI25	TN32
S312.0200.D2	2	0.2	0.25	31202N	△	▲	▲	▲	△	▲	▲	▲
S312.0200.D4	2	0.4	0.25	31202N	△	▲	▲	▲	△	△	▲	▲
S312.0250.D2	2.5	0.2	0.25	31202N	△	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2.5	0.4	0.25	31202N	△	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0.2	0.25	31203N	△	△	▲	▲	▲	▲	▲	▲
S312.0300.D4	3	0.4	0.25	31203N	△	▲	▲	▲	△	△	△	▲
P	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	O	O	●	O	●	●	●	●	●	-
K	●	-	●	O	●	●	●	●	●	●	●	-
N	●	-	●	-	●	●	●	●	●	●	●	-
S	-	-	O	-	●	O	●	●	●	●	●	-
H	-	-	-	-	-	-	-	-	-	-	-	-



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

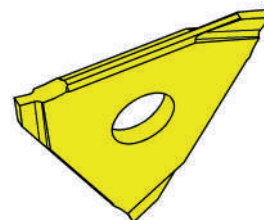
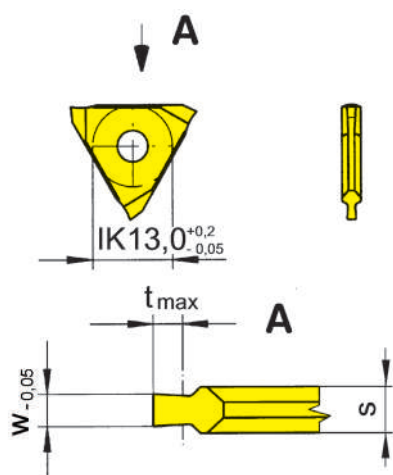
L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	r	α	a_1	HIS	EG55	TF46	T125
RS312.0520.C2	2	0.2	5°	0.25	31202N	▲	▲	▲
RS312.0525.C2	2.5	0.2	5°	0.25	31202N	△	▲	▲
RS312.0530.C2	3	0.2	5°	0.25	31203N	△	△	▲
LS312.0520.C2	2	0.2	5°	0.25	31202N	▲	△	▲
LS312.0525.C2	2.5	0.2	5°	0.25	31202N		△	▲
LS312.0530.C2	3	0.2	5°	0.25	31203N	△		△
S312.0200.C2	2	0.2	0°	0.25	31202N	▲	▲	▲
S312.0250.C2	2.5	0.2	0°	0.25	31202N	▲	△	▲
S312.0300.C2	3	0.2	0°	0.25	31203N	△	△	△
						P	●	●
						M	○	○
						K	○	●
						N	-	●
						S	-	○
						H	-	-

0

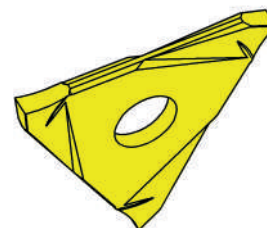
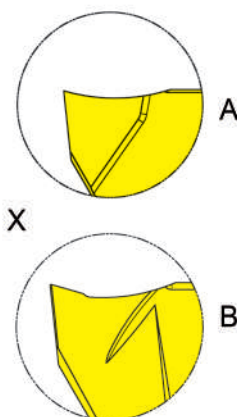
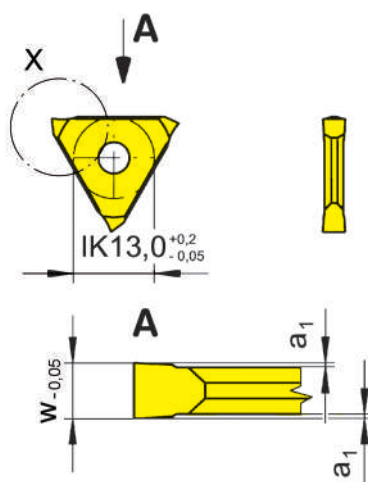
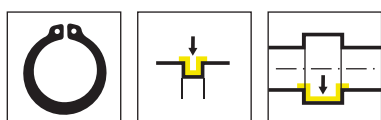


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	Nw	t_{max}	s	HIS	EG35	EG52	TN32
312.0034.15	0.38	0.34	0.6	1.5	31201N	Δ		
312.0044.15	0.44	0.4	0.7	1.5	31201N	Δ		
312.0050.15	0.57	0.5	0.7	1.5	31201N		▲	▲
312.0060.15	0.67	0.6	0.8	1.5	31201N		▲	▲
312.0070.15	0.77	0.7	1.1	1.5	31201N		▲	▲
312.0080.15	0.87	0.8	1.2	1.5	31201N		▲	▲
312.0090.15	0.97	0.9	1.4	1.5	31201N		▲	▲
312.0100.15	1.07	1	1.6	1.5	31201N		▲	▲
						P	●	●
						M	●	○
						K	○	-
						N	-	-
						S	-	-
						H	-	-



形状A= 全面研磨
Form A = completely ground

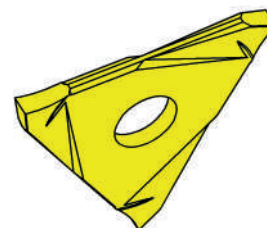
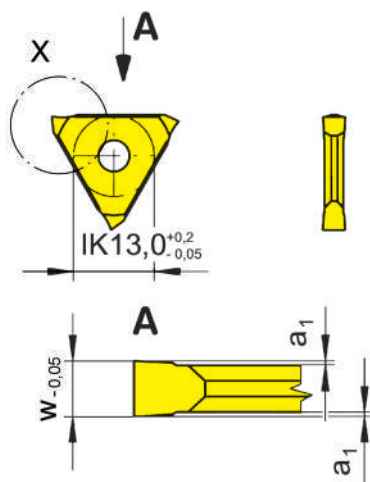
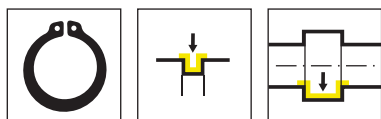
形状B= すくい部研磨
Form B = partially ground

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	Nw	a ₁	形状 Form	HIS	K10	MG12	P20	EG35	EG55	EG56	HS32	HS36	TA45	TC92	TF45	TF46	TI25	TN32	TN35	H20
312.0050.00	0.57	0.5	0.07	A	31201N	▲		▲		▲						▲	▲		▲		
312.0060.00	0.67	0.6	0.07	A	31201N	▲		▲		▲						▲	▲		▲		
312.0070.00	0.77	0.7	0.08	A	31201N	▲		▲		▲						▲	▲		▲		
312.0080.00	0.87	0.8	0.08	A	31201N	▲		▲		▲						▲	▲		▲		
312.0090.00	0.97	0.9	0.08	A	31201N	▲		▲		▲						▲	▲		▲	▲	
312.0100.00	1.07	1	0.09	A	31201N	▲		▲		▲						▲	▲		▲	▲	△
312.0110.00	1.24	1.1	0.2	A	31201N	▲		▲		▲		△	△		▲	▲	▲		▲	▲	
312.0130.00	1.44	1.3	0.2	A	31201N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0160.00	1.74	1.6	0.2	A	31201N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0185.00	1.99	1.85	0.2	B	31201N	▲	▲	▲		▲	△				▲	▲	▲	▲	▲	▲	▲
312.0215.00	2.29	2.15	0.2	B	31202N	▲	▲	▲		▲				▲	▲	▲	▲		▲	▲	▲
312.0265.00	2.79	2.65	0.2	B	31202N	▲	▲	▲		▲				△	▲	▲	▲		▲	▲	▲
312.0315.00	3.29	3.15	0.2	B	31203N	▲		▲		▲					▲	▲	▲		▲	▲	▲
312.0415.00	4.29	4.15	0.2	B	31204N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0515.00	5.29	5.15	0.2	B	31204N	▲		▲	▲	▲					△	▲	▲		▲		△
P	●	○	●	●	●	●	●	○	-	●	●	○	-	●	●	●	●	●	●	●	●
M	○	-	-	●	○	○	○	○	-	●	-	●	-	●	-	○	○	●	-	●	○
K	●	-	-	○	○	○	○	○	-	●	-	●	-	●	-	●	●	●	●	●	-
N	●	-	-	-	-	-	-	-	-	●	-	-	●	●	●	●	●	●	●	●	-
S	○	-	-	-	-	-	-	-	-	●	-	-	●	-	○	○	○	●	-	●	-
H	-	-	-	-	-	-	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-

0



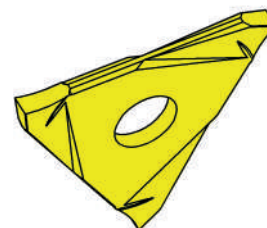
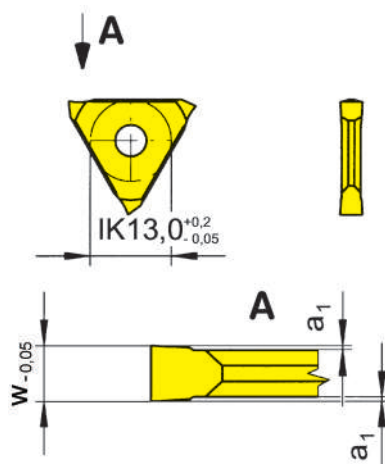
全面研磨
completely ground

超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	Nw	a ₁	HIS		K10	P20	EG56	TN32
312.0185.10	1.99	1.85	0.2	31201N		△	▲		▲
312.0215.10	2.29	2.15	0.2	31202N		▲	△	▲	
312.0265.10	2.79	2.65	0.2	31202N		▲	▲	△	
312.0315.10	3.29	3.15	0.2	31203N		▲	△	△	
312.0415.10	4.29	4.15	0.2	31204N		▲	▲	▲	
					P	●	●	●	●
					M	○	-	○	-
					K	●	-	○	-
					N	●	-	-	-
					S	○	-	-	-
					H	-	-	-	-



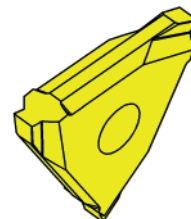
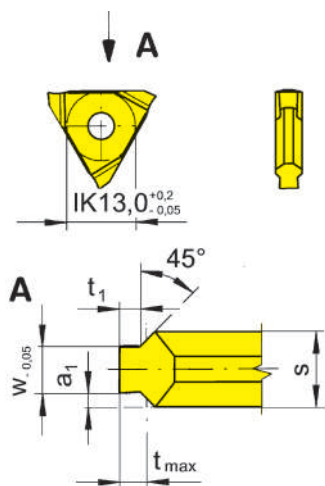
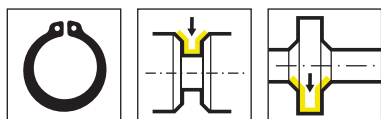
超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	Nw	a ₁	HIS	EG55	TN35
312.0110.80	1.24	1.1	0.2	31201N	▲	▲
312.0130.80	1.44	1.3	0.2	31201N	▲	▲
312.0160.80	1.74	1.6	0.2	31201N	▲	▲
312.0185.80	1.99	1.85	0.2	31201N	▲	▲
312.0215.80	2.29	2.15	0.2	31202N	▲	▲
312.0265.80	2.79	2.65	0.2	31202N	▲	▲
312.0315.80	3.29	3.15	0.2	31203N	△	▲
312.0415.80	4.29	4.15	0.2	31204N	▲	▲
312.0515.80	5.29	5.15	0.2	31204N		▲
					P	●
					M	○
					K	○
					N	-
					S	-
					H	-

0

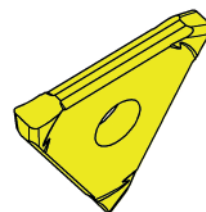
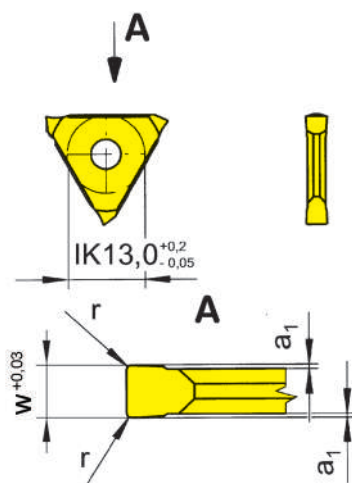
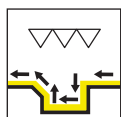


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	Nw	t _{max}	a ₁	s	t ₁	HIS		P20	EG52	TN32	TN35
312.1101.25	1.24	1.1	0.2	0.64	2.5	0.19	31202N			▲	▲	
312.1102.25	1.24	1.1	0.25	0.64	2.5	0.24	31202N			▲	▲	
312.1103.25	1.24	1.1	0.3	0.64	2.5	0.29	31202N			▲	▲	
312.1104.25	1.24	1.1	0.35	0.64	2.5	0.33	31202N			▲	▲	
312.1105.25	1.24	1.1	0.4	0.64	2.5	0.36	31202N		▲	▲	▲	▲
312.1306.25	1.44	1.3	0.55	0.54	2.5	0.45	31202N		▲	▲	▲	▲
312.1607.33	1.74	1.6	0.7	0.79	3.3	0.6	31203N		▲	▲	▲	▲
312.1608.33	1.74	1.6	0.85	0.79	3.3	0.75	31203N		▲	▲	▲	▲
312.1609.33	1.74	1.6	1	0.79	3.3	0.85	31203N		▲	▲	▲	▲
312.1810.33	1.99	1.85	1	0.67	3.3	0.85	31203N		▲	▲	▲	▲
312.1812.33	1.99	1.85	1.25	0.67	3.3	1.1	31203N		▲	▲	▲	▲
312.2115.43	2.29	2.15	1.5	1.02	4.3	1.35	31204N		▲	▲	▲	▲
312.2616.43	2.79	2.65	1.5	0.77	4.3	1.35	31204N		▲	▲	▲	▲
312.2617.43	2.79	2.65	1.75	0.77	4.3	1.6	31204N		▲	▲	▲	▲
312.3118.53	3.29	3.15	1.75	1.02	5.3	1.6	31204N		▲	▲	▲	▲
312.4120.53	4.29	4.15	2	0.52	5.3	1.85	31204N		▲	▲	▲	▲
312.4125.53	4.29	4.15	2.5	0.52	5.3	2.35	31204N		▲	▲	▲	▲
312.5130.63	5.29	5.15	3	0.52	6.3	2.85	31204N		▲	▲	▲	▲
								P	●	●	●	●
								M	-	○	-	●
								K	-	-	-	●
								N	-	-	-	●
								S	-	-	-	●
								H	-	-	-	-



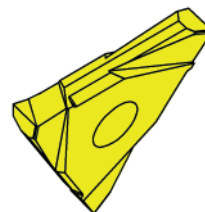
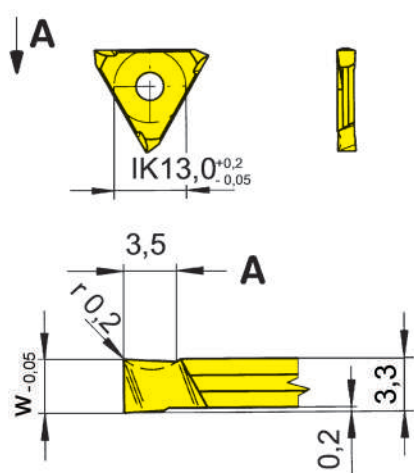
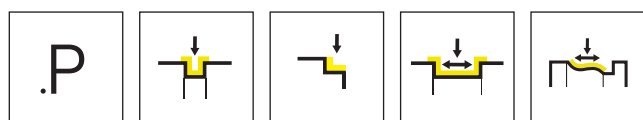
超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r	a ₁	HIS		K10	P20	AS62	EG52	TF45	T122	T125	TN32	TN35	H20
312.0100.02	1	0.2	0.1	31201N					▲			▲	▲		
312.0150.02	1.5	0.2	0.25	31201N		△	▲		▲			▲	▲	▲	
312.0200.02	2	0.2	0.25	31202N		▲	▲		▲	▲	▲	▲	▲	▲	▲
312.0200.04	2	0.4	0.25	31202N			▲	▲	▲				▲		▲
312.0300.02	3	0.2	0.25	31203N		△	▲		▲			▲	▲		▲
312.0300.06	3	0.6	0.25	31203N			▲		▲				▲		
312.0400.02	4	0.2	0.25	31204N			▲		▲				▲		▲
312.0400.08	4	0.8	0.25	31204N			△		▲				▲		
312.0400.12	4	1.2	0.25	31204N			△		△						
					P	●	●	●	●	●	●	●	●	●	●
					M	○	-	-	○	●	-	●	-	●	○
					K	●	-	-	-	●	-	●	-	●	-
					N	●	-	-	-	●	-	●	-	●	-
					S	○	-	-	-	●	-	●	-	●	-
					H	-	-	-	-	-	-	-	-	-	-

0



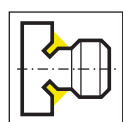
L = 左勝手バージョン図示
L = left hand version shown

R = 右勝手バージョン
R = right hand version

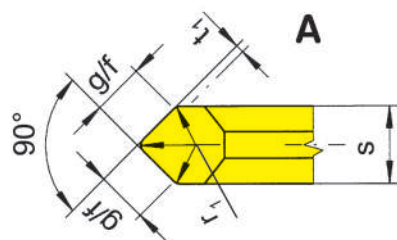
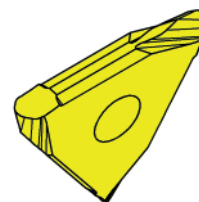
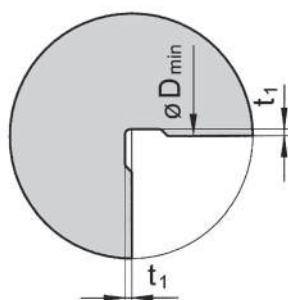
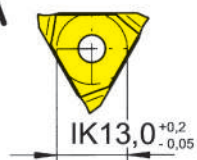
▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	HIS		P20	EG52	TC92	TN32
R312.3031.33	3.29	31203N	▲	▲	▲	▲	▲
L312.3031.33	3.29	31203N	△	△	△	△	△
縦横両送り方向に切れ刃を持つ特殊刃先形状品です。 The special cutting geometry permits a positive chip breaking angle when keeping a straight and right angled cutting edge.							
P	●	●	●	●	●	●	●
M	-	○	-	-	-	-	-
K	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-



A



A

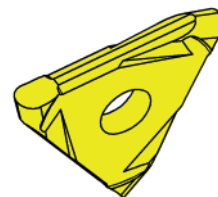
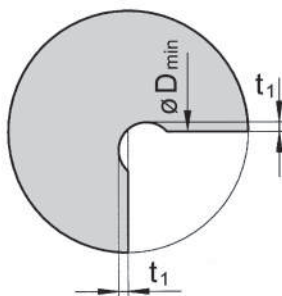
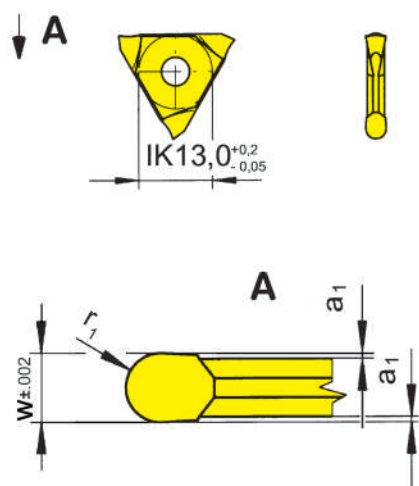
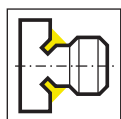
超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	D _{min}	t ₁	s	g/f	r ₁	HIS	P20	AS62	EG52
312.0602.24	19	0.2	2.4	1.7	0.6	31202N	▲	▲	▲
312.0603.33	23	0.3	3.3	2.3	0.6	31203N	▲	▲	▲
312.1002.30	20	0.2	3	2.1	1	31203N	▲		△
312.1004.50	29	0.4	5	3.6	1	31204N	▲		▲
312.1603.50	25	0.3	5	3.6	1.6	31204N	△		△
P	●	●	●						
M	-	-	-						
K	-	-	-						
N	-	-	-						
S	-	-	-						
H	-	-	-						

0

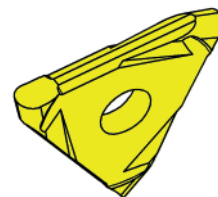
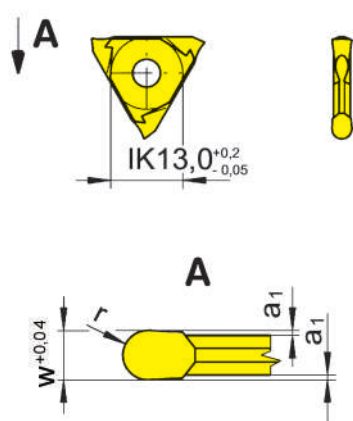
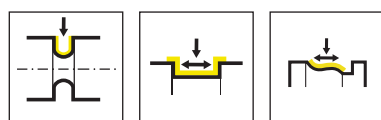


超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r ₁	a ₁	D _{min}	t ₁	HIS		K10	P20	EG52	TF45	TN32	TN35
312.0010.20	2	1	0.2	22	0.7	31202N		▲	▲	▲	△	▲	▲
312.0015.30	3	1.5	0.2	27	1	31202N		▲	▲	▲		▲	
312.0020.40	4	2	0.2	30	1.2	31204N		▲	▲	▲		▲	
312.0025.50	5	2.5	0.2	35	1.5	31204N			▲	▲		▲	
P	●	●	●	●	●	●		●	●	●	●	●	●
M	○	-	○	●	-	●		○	-	○	●	-	●
K	●	-	-	●	-	●		●	-	-	●	-	●
N	●	-	-	●	-	●		●	-	-	●	-	●
S	○	-	-	●	-	●		○	-	-	●	-	●
H	-	-	-	-	-	-		-	-	-	-	-	-



超硬材種
Carbide grades

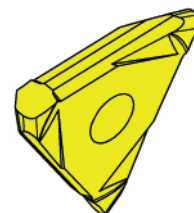
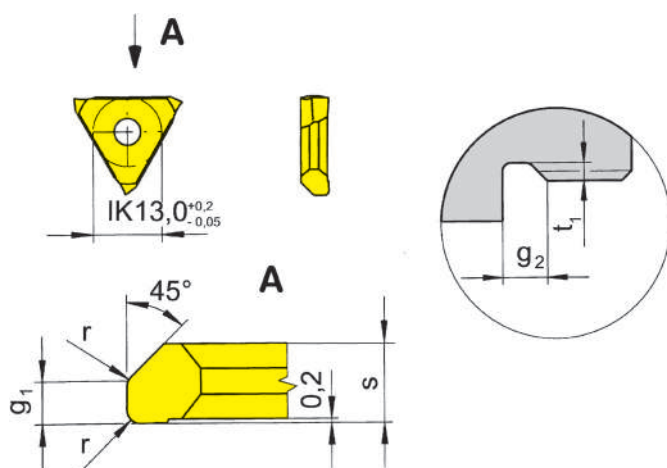
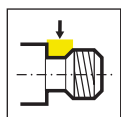
▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	w	r	a ₁	HIS	P20	AS45	EG35	EG55	TF45	TH35	TI25	TN32	TN35
312.0050.02	0.5	0.25	0.07	31201N	▲	▲	▲					▲	
312.0100.05	1	0.5	0.09	31201N	▲	▲	▲			△		▲	△
312.0110.05	1.1	0.55	0.09	31201N		▲		△					
312.0120.06	1.2	0.6	0.2	31201N	▲	▲		▲				▲	
312.0140.07	1.4	0.7	0.2	31201N		▲		▲					
312.0160.08	1.6	0.8	0.25	31201N	▲	▲		▲				▲	
312.0180.09	1.8	0.9	0.25	31201N		▲		▲					
312.0200.10	2	1	0.25	31201N	▲	▲		▲	△		△	▲	
312.0220.11	2.2	1.1	0.25	31202N		▲		▲					
312.0250.12	2.5	1.25	0.25	31202N	▲	▲		△				▲	
312.0280.14	2.8	1.4	0.25	31202N		▲		△					
312.0300.15	3	1.5	0.25	31202N	▲	▲		▲				▲	
312.0360.18	3.6	1.8	0.25	31203N		▲		△					
312.0400.20	4	2	0.25	31203N	▲	▲		△				▲	

溝幅1.6mm以下のインサートでは、倣い加工の推奨はいたしません。
Width of groove up to 1,6 mm recommend only for grooving

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



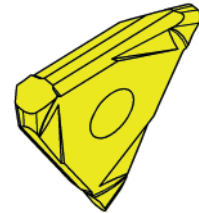
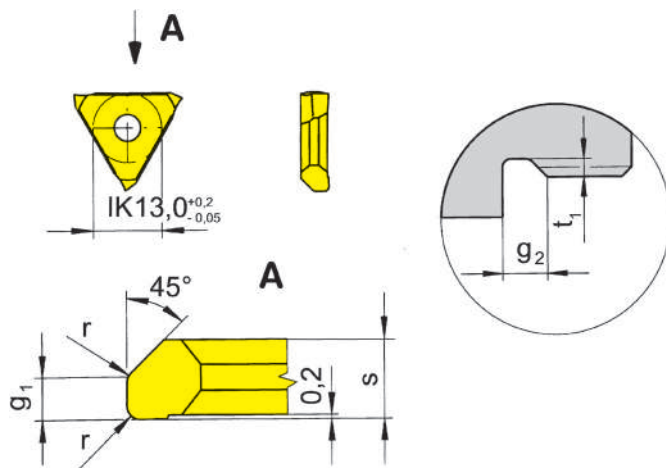
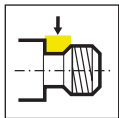
R = 右勝手バージョン図示
R = right hand version shown

L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	P	r	t ₁	s	g ₁	g ₂	HIS	P20	EG55	TN35
R312.1050.17	0.5	0.2	0.4	1.7	0.6	1	31201N • 31201R	△	▲	▲
R312.1060.17	0.6	0.4	0.5	1.7	0.7	1.2	31201N • 31201R	△	△	△
R312.1070.17	0.7	0.4	0.55	1.7	0.85	1.4	31201N • 31201R	△	△	△
R312.1080.27	0.8	0.4	0.65	2.7	0.95	1.6	31202N • 31202R	△	▲	▲
R312.1100.27	1	0.6	0.8	2.7	1.2	2	31202N • 31202R	△	▲	▲
R312.1125.27	1.25	0.6	1	2.7	1.5	2.5	31202N • 31202R	△	▲	▲
R312.1150.37	1.5	0.8	1.15	3.7	1.85	3	31203N • 31203R	△	▲	▲
R312.1175.37	1.75	1	1.3	3.7	2.2	3.5	31203N • 31203R	△	△	△
R312.1200.53	2	1	1.5	5.3	2.5	4	31204N • 31204R	▲	△	△
R312.1250.53	2.5	1.2	1.8	5.3	3.2	5	31204N • 31204R	△	△	△
R312.1300.63	3	1.6	2.2	6.3	3.8	6	31204N • 31204R	△	△	△
L312.1050.17	0.5	0.2	0.4	1.7	0.6	1	31201N • 31201L	△	△	△
L312.1060.17	0.6	0.4	0.5	1.7	0.7	1.2	31201N • 31201L	△	△	△
L312.1070.17	0.7	0.4	0.55	1.7	0.85	1.4	31201N • 31201L	△	△	△
L312.1080.27	0.8	0.4	0.65	2.7	0.95	1.6	31202N • 31202L	△	△	▲
L312.1100.27	1	0.6	0.8	2.7	1.2	2	31202N • 31202L	△	△	△
L312.1125.27	1.25	0.6	1	2.7	1.5	2.5	31202N • 31202L	△	△	▲
L312.1150.37	1.5	0.8	1.15	3.7	1.85	3	31203N • 31203L	△	△	△
L312.1175.37	1.75	1	1.3	3.7	2.2	3.5	31203N • 31203L	△	△	△
L312.1200.53	2	1	1.5	5.3	2.5	4	31204N • 31204L	△	△	△
L312.1250.53	2.5	1.2	1.8	5.3	3.2	5	31204N • 31204L	△	△	△
L312.1300.63	3	1.6	2.2	6.3	3.8	6	31204N • 31204L	△	△	△
P	●	●	●							
M	-	○	●							
K	-	○	●							
N	-	-	●							
S	-	-	●							
H	-	-	-							



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

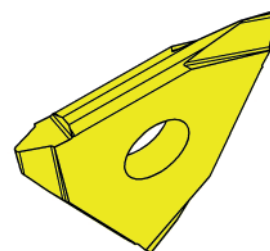
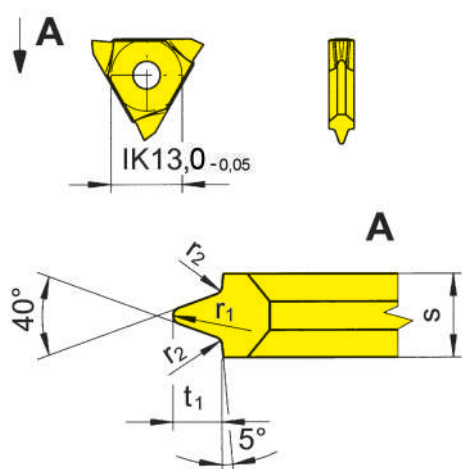
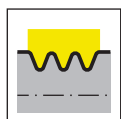
L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	P	r	t ₁	s	g ₁	g ₂	HIS	P20	EG55	TN35
R312.3050.17	0.5	0.2	0.4	1.7	1.1	1.5	31201N • 31201R		△	△
R312.3060.27	0.6	0.4	0.5	2.7	1.3	1.8	31202N • 31202R	△		▲
R312.3070.27	0.7	0.4	0.55	2.7	1.55	2.1	31202N • 31202R	△		△
R312.3080.27	0.8	0.4	0.65	2.7	1.75	2.4	31202N • 31202R	△	△	△
R312.3100.37	1	0.6	0.8	3.7	2.2	3	31203N • 31203R	△	▲	▲
R312.3125.53	1.25	0.6	1	5.3	2.8	3.8	31204N • 31204R		△	△
R312.3150.53	1.5	0.8	1.15	5.3	3.35	4.5	31204N • 31204R		▲	▲
R312.3175.56	1.75	1	1.3	5.6	4	5.3	31204N • 31204R		△	△
R312.3200.63	2	1	1.5	6.3	4.5	6	31204N • 31204R		△	△
L312.3050.17	0.5	0.2	0.4	1.7	1.1	1.5	31201N • 31201L	△	△	△
L312.3060.27	0.6	0.4	0.5	2.7	1.3	1.8	31202N • 31202L	△	▲	△
L312.3070.27	0.7	0.4	0.55	2.7	1.55	2.1	31202N • 31202L	△	△	△
L312.3080.27	0.8	0.4	0.65	2.7	1.75	2.4	31202N • 31202L	△	△	△
L312.3100.37	1	0.6	0.8	3.7	2.2	3	31203N • 31203L	△	△	△
L312.3125.53	1.25	0.6	1	5.3	2.8	3.8	31204N • 31204L	△	△	△
L312.3150.53	1.5	0.8	1.15	5.3	3.35	4.5	31204N • 31204L	△		△
L312.3175.56	1.75	1	1.3	5.6	4	5.3	31204N • 31204L	△	△	△
L312.3200.63	2	1	1.5	6.3	4.5	6	31204N • 31204L	△	△	△
P	●	●	●							
M	-	○	●							
K	-	○	●							
N	-	-	●							
S	-	-	●							
H	-	-	-							

0



超硬材種
Carbide grades

▲ 在庫品
on stock

△ 4週間
4 weeks

型式 Part number	r_2	t_1	s	r_1	HIS	P20	EG52	TN32
312.0223.23	0.2	2.3	2.34	0.25	31202N	△	▲	△
312.0223.30	0.2	2.3	3	0.25	31203N	▲	▲	▲

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

312.0223.23: 多条溝用、312.0223.30: 一条溝用

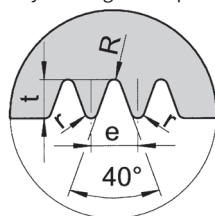
Insert 312.0223.23 for multi grooving Insert 312.0223.30 for single grooving

溝形状:

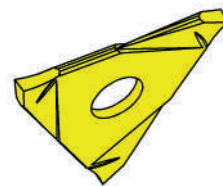
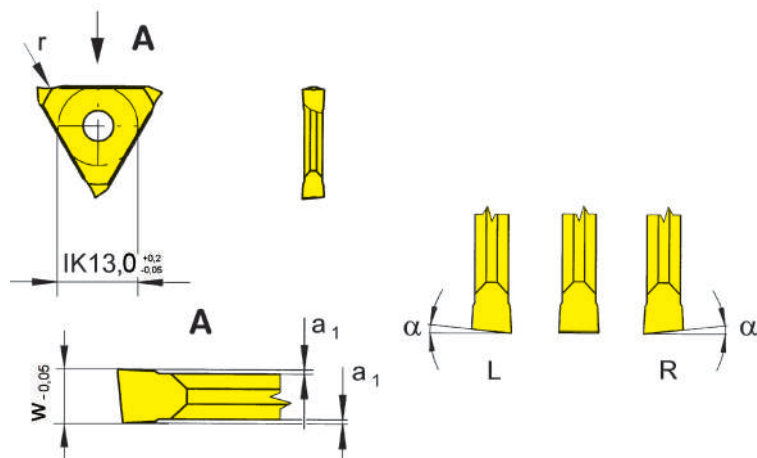
J型プーリーVベルト対応溝用

Shape of groove:

Poly-V-belt grooves profile „J“



e	t		R		r
±0,25	max	min	max	min	
2.34	2.34	2.08	0.38	0.25	0.2



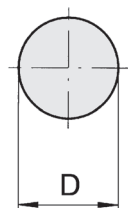
R = 右勝手バージョン図示
R = right hand version shown

L = 左勝手バージョン
L = left hand version

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

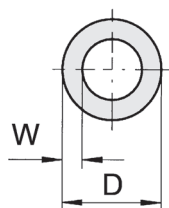
型式 Part number	w	α	a_1	HIS	EG35	TF45	TF46	TI25	TN35
R312.0614.00	1.44	6°	0.2	31201N	▲	▲	▲	▲	▲
L312.0614.00	1.44	6°	0.2	31201N	▲	▲	△	▲	▲
P	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●
K	○	●	●	●	●	●	●	●	●
N	-	●	●	●	●	●	●	●	●
S	-	●	○	●	●	●	●	●	●
H	-	-	-	-	-	-	-	-	-

中実ワーク最大加工径
Parting off solid bars



D最大11mm
D up to 11 mm

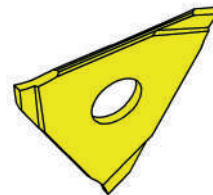
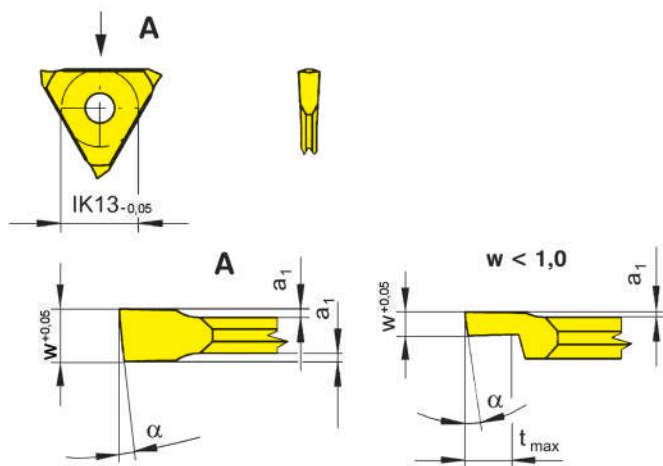
中空ワーク最大加工径
Parting off tubes



D ≥ 50mmはW寸法およそ5mm
D ≤ 50mmはW寸法およそ4mm

D ≥ 50 up to W ≈ 5 mm
D ≤ 50 up to W ≈ 4 mm

0



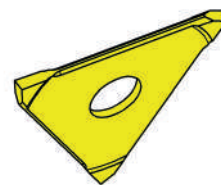
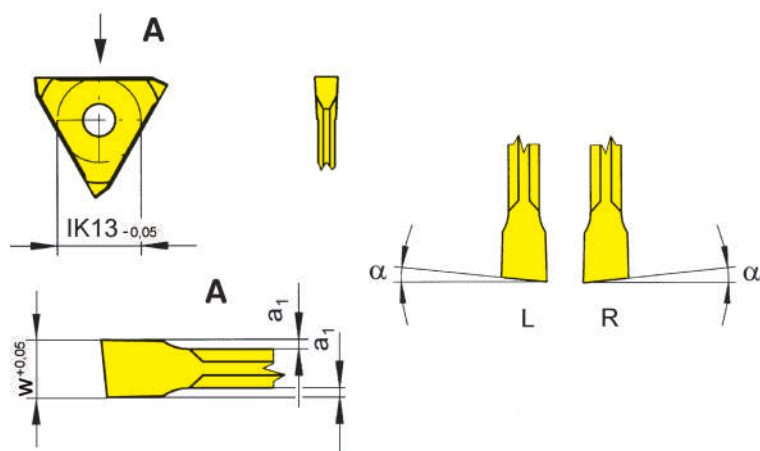
R = 右勝手バージョン図示
R = right hand version shown

L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	t _{max}	α	a ₁	HIS	EG35	TF45	TI25	TN35
R312.0805.00	0.5	1	8°	0.1	31208N	▲	▲		
R312.0808.00	0.8	1.5	8°	0.1	31208N	▲	▲		
R312.0510.00	1	8	5°	0.1	31208N	▲	▲		
R312.1210.00	1	8	12°	0.1	31208N	▲	▲	△	▲
R312.0512.00	1.2	8	5°	0.2	31208N	▲	▲		
R312.0515.00	1.5	8	5°	0.2	31211N	▲	▲		
L312.0805.00	0.5	1	8°	0.1	31208N	▲	▲		
L312.0808.00	0.8	1.5	8°	0.1	31208N	▲	▲		
L312.0510.00	1	8	5°	0.1	31208N	▲	▲		
L312.1210.00	1	8	12°	0.1	31208N	▲	▲	△	▲
L312.0512.00	1.2	8	5°	0.2	31208N	▲	▲		
L312.0515.00	1.5	8	5°	0.2	31211N	▲	▲		
P	●	●	●	●					
M	●	●	●	●					
K	○	●	●	●					
N	-	●	●	●					
S	-	●	●	●					
H	-	-	-	-					



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

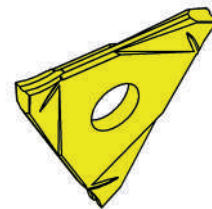
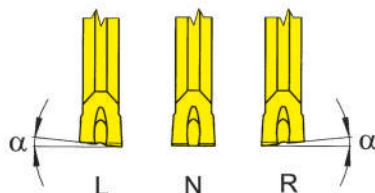
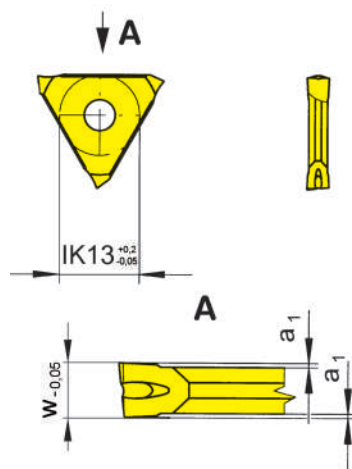
L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

型式 Part number	w	t _{max}	α	a ₁	HIS	K10	EG35	TF45
R312.0512.M0	1.2	8	5°	0.2	31208N	△	▲	▲
R312.0515.M0	1.5	8	5°	0.2	31211N	▲	▲	▲
L312.0512.M0	1.2	8	5°	0.2	31208N	△	▲	▲
L312.0515.M0	1.5	8	5°	0.2	31211N	△	△	▲
P	●	●	●					
M	○	●	●					
K	●	○	●					
N	●	-	●					
S	○	-	●					
H	-	-	-					

0



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

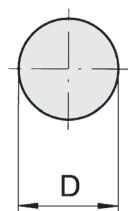
L = 左勝手バージョン
L = left hand version

▲ 在庫品
on stock

超硬材種
Carbide grades
△ 4週間
4 weeks

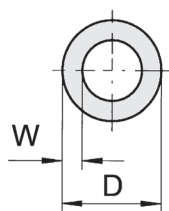
型式 Part number	w	α	a ₁	HIS	MG12	P20	EG55	TF45	TN32	TN35
R312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201R • 31202R		Δ	Δ	▲		
R312.0518.00	1.99	5°	0.2	31202N • 31202R		▲	▲		▲	▲
R312.0521.00	2.29	5°	0.2	31202N • 31202R	Δ	Δ	▲		▲	▲
L312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201R • 31202R		Δ	Δ	Δ		
L312.0518.00	1.99	5°	0.2	31202N • 31202R		▲	▲		▲	▲
L312.0521.00	2.29	5°	0.2	31202N • 31202R	Δ	▲	Δ		▲	▲
N312.0014.00	1.44	0°	0.2	31202N			▲	▲		
N312.0018.00	1.99	0°	0.2	31202N			▲	▲	Δ	Δ
N312.0021.00	2.29	0°	0.2	31202N		Δ				▲
P	o	●	●	●	●	●	●	●	●	●
M	-	-	o	●	-	●	-	-	-	●
K	-	-	o	●	-	●	-	-	-	●
N	-	-	-	●	-	-	-	-	-	●
S	-	-	-	●	-	-	-	-	-	●
H	-	-	-	-	-	-	-	-	-	-

中実ワーク最大加工径
Parting off solid bars



D最大10mm
D up to 10 mm

中空ワーク最大加工径
Parting off tubes



D ≥ 50mmはW寸法およそ5mm
D ≤ 50mmはW寸法およそ4mm

D ≥ 50 up to W ≈ 5 mm
D ≤ 50 up to W ≈ 4 mm