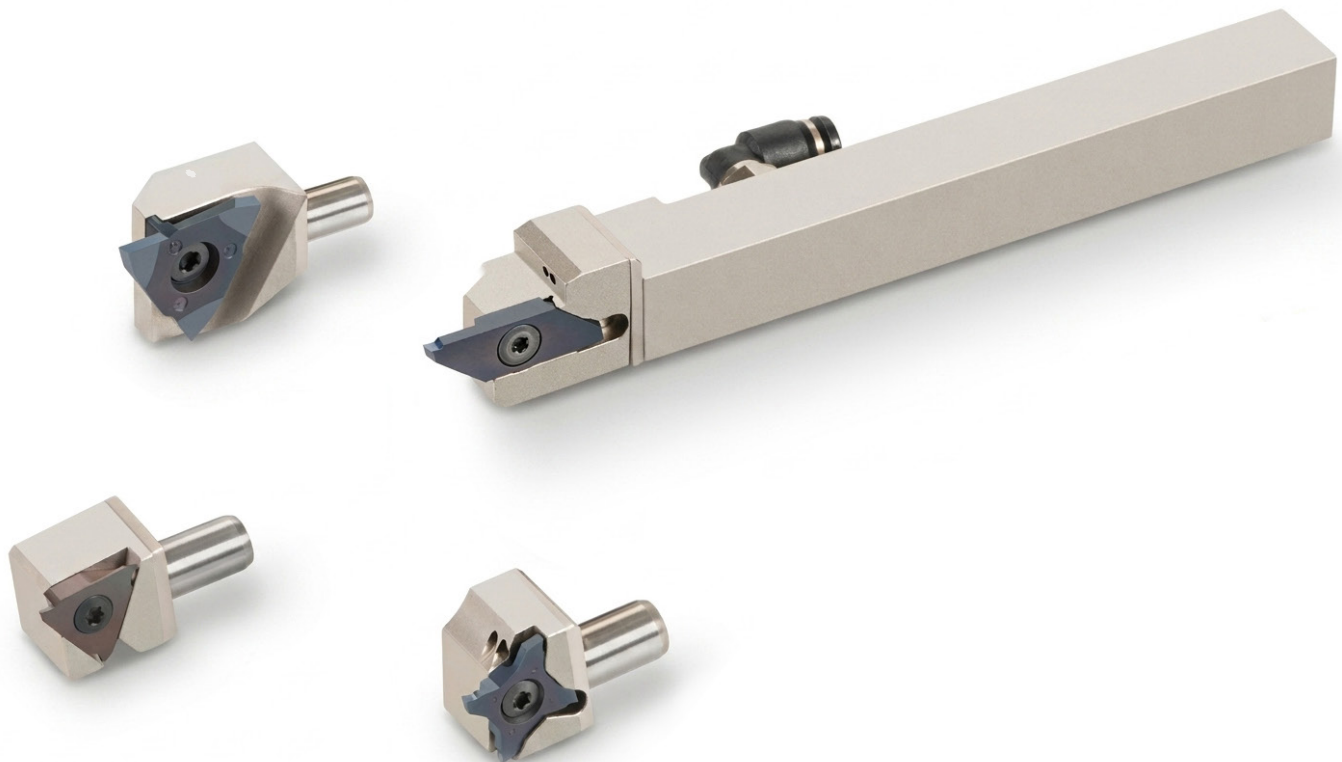




**Carmex**
Precision Tools Ltd.
The optimal tools for your industry™

SwissXChange **NEW**

Swiss line modular tooling solutions



Metric | Inch



SWISS TYPE MODULAR SOLUTIONS

SWISSXCHANGE

Carmex introduces a new generation of Swiss Type modular solution system

A high-precision modular tooling solution that combines interchangeable cutting heads with reusable holders. The system reduces tooling costs, minimizes setup time, improves machine uptime, and provides the flexibility to switch between different cutting geometries while maintaining excellent repeatability and machining performance.

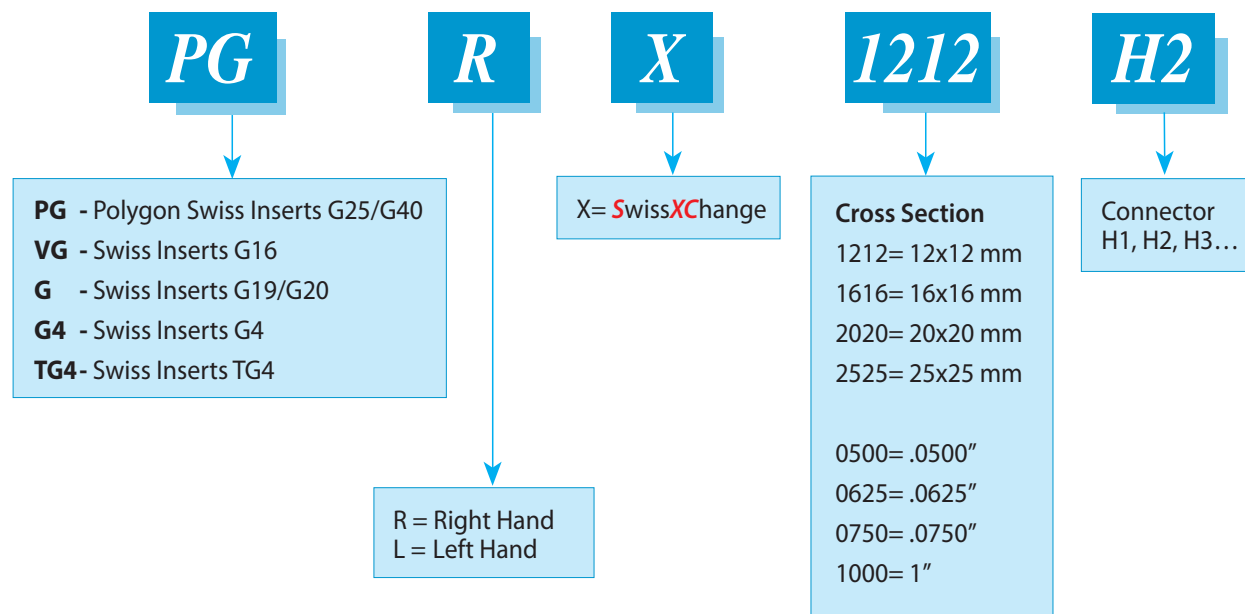
Features

- Quick and accurate head replacement without removing the holder from the machine
- Available with multiple head geometries and cutting-edge configurations
- Rigid connection between the cutting head and holder
- Compatible with a wide range of Swiss-type turning applications
- The same holder can be used with both right-hand and left-hand SwissXChange heads, reducing tooling inventory and increasing flexibility

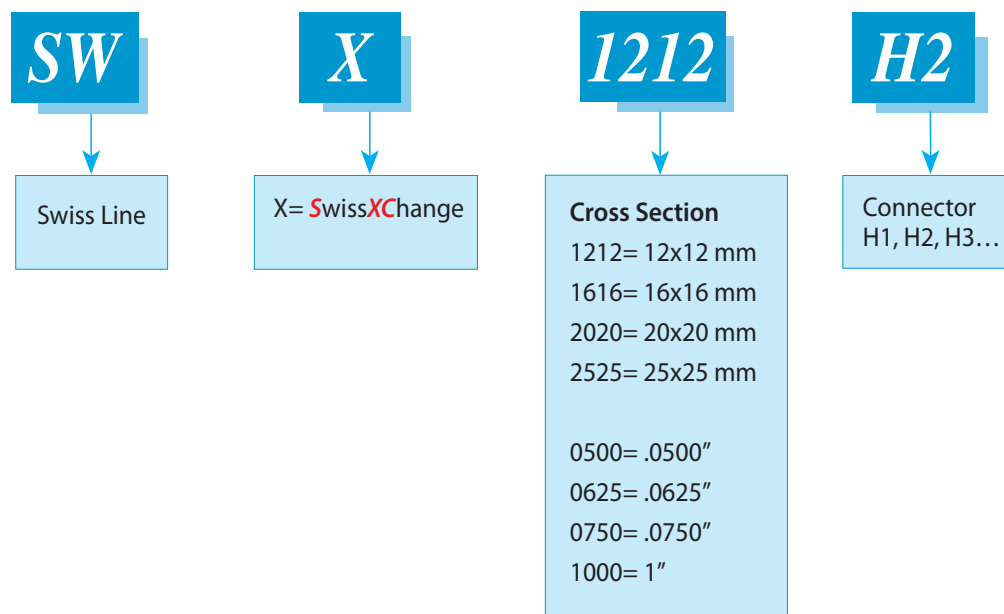
Benefits

- **Reduced setup time** – fast insert indexing (quick-change system)
- **Lower tooling costs** – reuse the holder while replacing only the front head
- **Consistent tool positioning** – minimizes re-setting and offset adjustments
- **Improved process reliability** – rigid and repeatable connection ensures stable machining

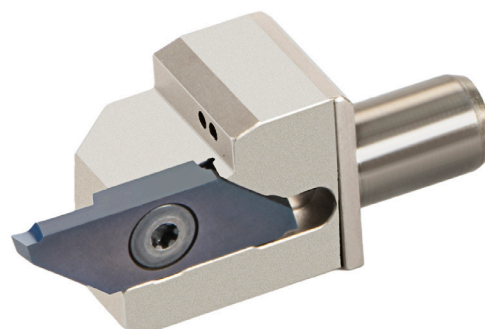
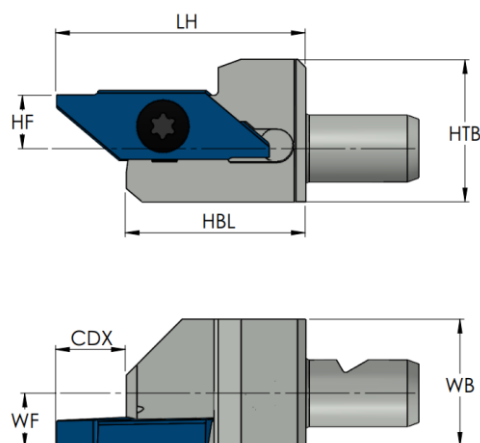
Product Identification - Ordering Codes



Product Identification - Ordering Codes Shanks



SwissXChange heads for G25/G40 inserts



Metric Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+	
G25	PGRX 1212-H2	16.2	17	8.0	30	21.5	6.0	6.0	S26PD	K11P	✓
	PGRX 1616-H3	17.2	21	8.0	30	21.5	8.0	8.0	S26PD	K11P	✓
	PGRX 2020-H4	20.0	25	8.0	30	21.5	10.0	10.0	S26PD	K11P	✓
	PGRX 2525-H5	25.0	30	8.0	30	21.5	12.5	12.5	S26PD	K11P	✓
G40	PGRX 1616-40-H3	17.2	16	14.0	40	26.0	8.0	8.0	S26PD	K11P	
	PGRX 2020-40-H4	20.0	20	14.0	40	26.0	10.0	10.0	S26PD	K11P	
	PGRX 2525-40-H5	25.0	25	14.0	40	26.0	12.5	12.5	S26PD	K11P	

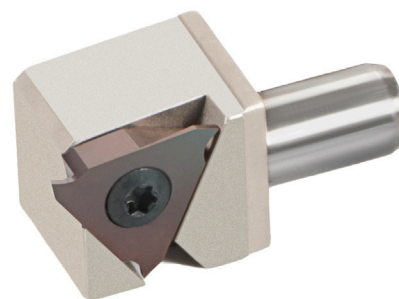
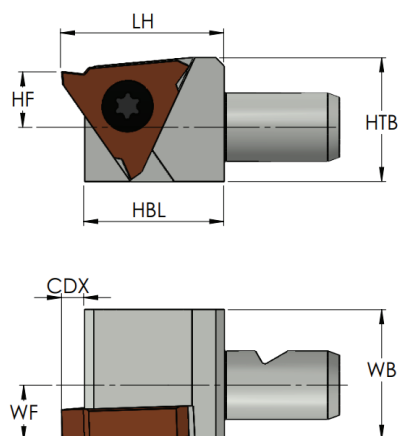
Order example: PGRX 2020-H4

Inch Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+	
G25	PGRX 0500-H7	.638	.67	.31	1.18	.85	.250	.250	S26PD	K11P	✓
	PGRX 0625-H3	.677	.83	.31	1.18	.85	.313	.313	S26PD	K11P	✓
	PGRX 0750-H8	.750	.95	.31	1.18	.85	.375	.375	S26PD	K11P	✓
	PGRX 1000-H9	1	1.20	.31	1.18	.85	.500	.500	S26PD	K11P	✓
G40	PGRX 0625-40-H3	.677	.63	.55	1.57	1.02	.313	.313	S26PD	K11P	
	PGRX 0750-40-H8	.750	.75	.55	1.57	1.02	.375	.375	S26PD	K11P	
	PGRX 1000-40-H9	1	1.00	.55	1.57	1.02	.500	.500	S26PD	K11P	

Order example: PGRX 0750-H8

SwissXChange heads for G16 inserts



Metric Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+
G16	VGRX 1212-H2	16.2	14.3	2.6	17	16.4	6.0	6.0	S16PS	K16P
	VGRX 1616-H3	17.2	17.3	2.6	17	16.4	8.0	8.0	S16P	K16P

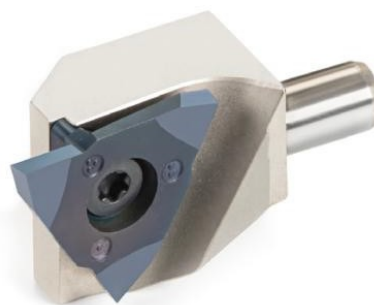
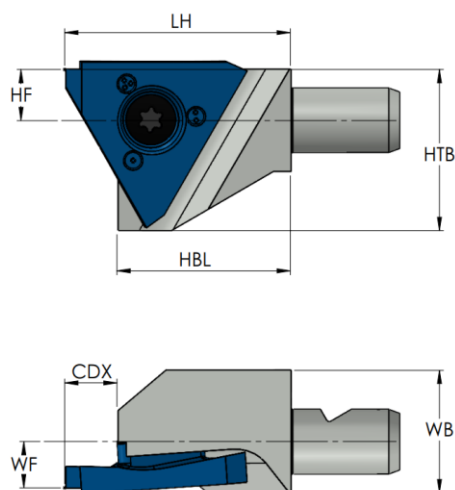
Order example: VGRX 1212-H2

Inch Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+
G16	VGRX 0500-H7	.638	.56	.10	.67	.65	.250	.250	S16PS	K16P
	VGRX 0625-H3	.677	.68	.10	.67	.65	.313	.313	S16P	K16P

Order example: VGRX 0500-H7

SwissXChange heads for G19-G20 inserts



Metric Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw	Torx Key
G19/G20	GRX 1212-H2	16.2	20	6.5	28	21.5	6.0	6.0	S21	K21
	GRX 1616-H3	17.2	20	6.5	28	21.5	8.0	8.0	S21	K21
	GRX 2020-H4	20.0	20	6.5	28	21.5	10.0	10.0	S21	K21

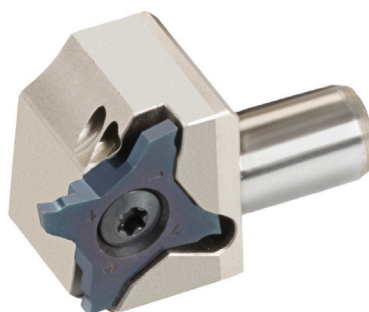
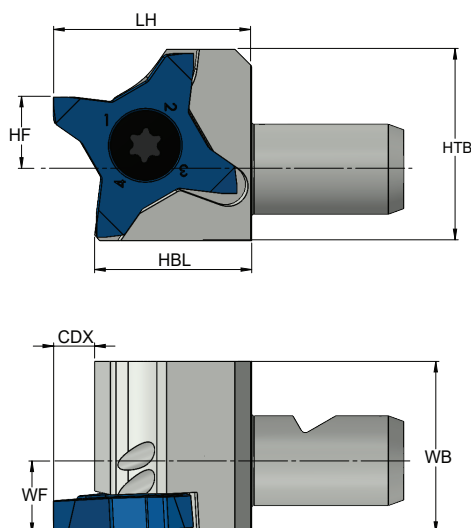
Order example: GRX 2020-H4

Inch Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw	Torx Key
G19/G20	GRX 0500-H7	.500	.79	.26	1.10	.85	.250	.250	S21	K21
	GRX 0625-H3	.625	.79	.26	1.10	.85	.313	.313	S21	K21
	GRX 0750-H8	.750	.79	.26	1.10	.85	.375	.375	S21	K21

Order example: GRX 0625-H3

SwissXChange heads for G4-TG4 inserts



Metric Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+	
G4	G4RX 1212-H2	16.2	20	4.5	18	14.5	6.0	6.0	S16P	IP10	✓
	G4RX 1616-H3	17.2	20	4.5	18	14.5	8.0	8.0	S16P	IP10	✓
	G4RX 2020-H4	20.0	24	4.5	18	14.5	10.0	10.0	S16P	IP10	✓
	G4RX 2525-H5	25.0	29	4.5	18	14.5	12.5	12.5	S16P	IP10	✓
TG4	TG4RX 1616-H3	17.2	26	6.5	25	20.3	8.0	8.0	S22P	IP20	✓
	TG4RX 2020-H4	20.0	26	6.5	25	20.3	10.0	10.0	S22P	IP20	✓
	TG4RX 2525-H5	25.0	31	6.5	25	20.3	12.5	12.5	S22P	IP20	✓

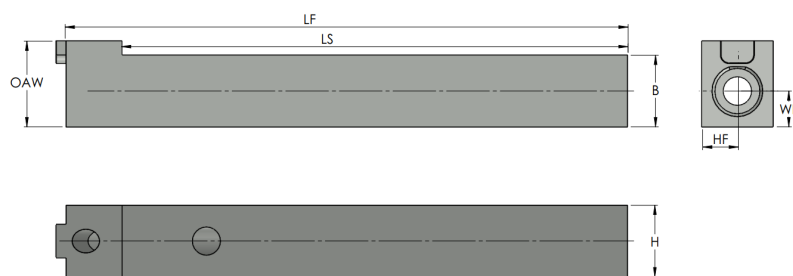
Order example: G4RX 2020-H4

Inch Version

Insert Type	Ordering Code	WB	HTB	CDX	LH	HBL	HF	WF	Insert Screw Torx+	Key Torx+	
G4	G4RX 0500-H7	.638	.79	.18	.71	.57	.250	.250	S16P	IP10	✓
	G4RX 0625-H3	.677	.79	.18	.71	.57	.313	.313	S16P	IP10	✓
	G4RX 0750-H8	.750	.91	.18	.71	.57	.375	.375	S16P	IP10	✓
	G4RX 1000-H9	1	1.16	.18	.71	.57	.500	.500	S16P	IP10	✓
TG4	TG4RX 0625-H3	.677	1.02	.26	.99	.80	.313	.313	S22P	IP20	✓
	TG4RX 0750-H8	.750	.99	.26	.99	.80	.375	.375	S22P	IP20	✓
	TG4RX 1000-H9	1	1.24	.26	.99	.80	.500	.500	S22P	IP20	✓

Order example: TG4RX 0625-H3

SwissXChange Shanks



Metric Version

Ordering Code	H	B	OAW	LS	LF	HF	WF	Clamping screw	Torx Key	Coolant connector
SWX 1212-H2	12	12	16.2	70	100	6.0	6.0	SWX-M6	T15	Ø4, Ø6
SWX 1616-H3	16	16	17.2	70	100	8.0	8.0	SWX-M6	T15	Ø4, Ø6
SWX 2020-H4	20	20	20.0	70	100	10.0	10.0	SWX-M6	T15	Ø4, Ø6
SWX 2525-H5	25	25	25.0	95	125	12.5	12.5	SWX-M6	T15	Ø4, Ø6

Order example: SWX 2525-H5

Inch Version

Ordering Code	H	B	OAW	LS	LF	HF	WF	Clamping screw	Torx Key	Coolant connector
SWX 0500-H7	.500	.500	.64	3.53	3.94	.250	.250	SWX-M6	T15	Ø4, Ø6
SWX 0625-H3	.625	.625	.68	3.53	3.94	.313	.313	SWX-M6	T15	Ø4, Ø6
SWX 0750-H8	.750	.750	.75	---	3.94	.375	.375	SWX-M6	T15	Ø4, Ø6
SWX 1000-H9	1	1	1.00	---	4.92	.500	.500	SWX-M6	T15	Ø4, Ø6

Order example: SWX 0625-H3

