

PARTING

10-2023

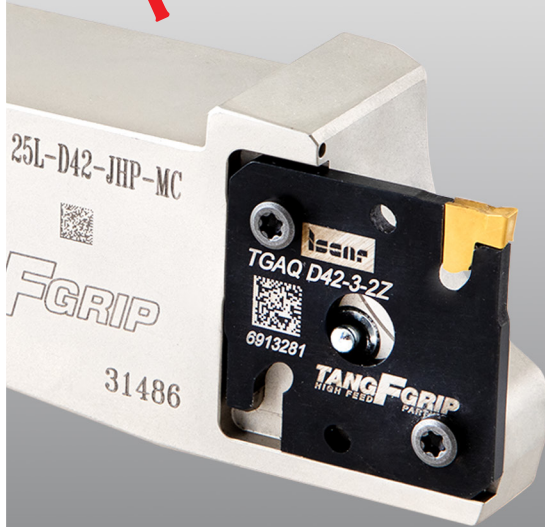
MARCH 2023

METRIC

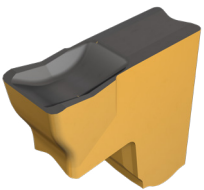
NPA

New Product Announcement

EXPANDED TOOL LINE



TGTBQ...D42 & TGAQ...D42



Vibration Free



Improved Straightness and Surface Finish



High Productivity



LOGIQ FGRIP

HIGH FEED GRIP HOLDER

Introducing New **D42** Adapters and Blocks for the LOGIQ-F-GRIP Parting System



Vibration
Free



Improved
Straightness and
Surface Finish



High Productivity
Inserts

NPA

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Highlights

Introducing D42 adapters and blocks for parting bars with up to 42 mm. diameters.

TANG-F-GRIP for TANG-GRIP (TAG) inserts

A new family of unique tool blocks which include economical 2 pocket adapters for TANG-GRIP 2 & 3mm inserts. The system is designed for parting applications in ranges of up to 42mm, and provides significant savings in raw materials.

LOGIQ-F-GRIP Features

- Unique patented captive adapters for quad shaped patented 2 pocket adapters.
- Outstanding stability, a vibration free parting system for large diameters.
- Improves insert tool life, surface finish and workpiece straightness due to the robust tool design.
- Reduced cutting widths as a result of excellent tool stability which leads to material savings.
- A 42mm bar can be cut with a 2mm wide insert.
- Guarantees high productivity, especially when using TAG N...HF inserts with feeds of up to 0.35mm/rev.
- Saves setup time after pocket replacement as the adapter can be easily repositioned.
- Two types of adapters fit the same tool block (2 and 3mm width).
- The toolblocks are designed with a coolant-through hole directed to the cutting edge (The adapters do not have cooling holes).
- Tools suitable for JETCUT coolant pressure of up to 140 Bar.
- A great door opener to acquire additional parting applications.

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Vibration Free



Improved Straightness and Surface Finish



High Productivity Inserts

Click for Short Video

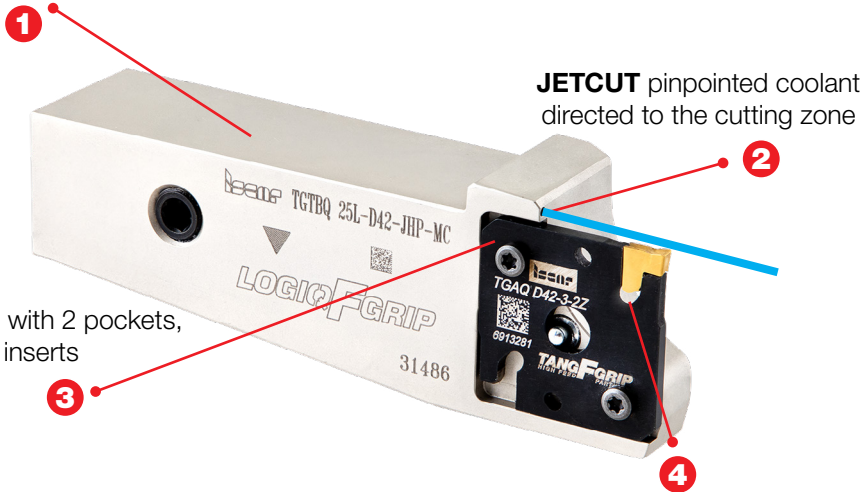
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Main Product Features

Reinforced and robust tool block which provides incomparable stability Suitable for **TANG-F-GRIP** and **DO-F-GRIP** square adapters

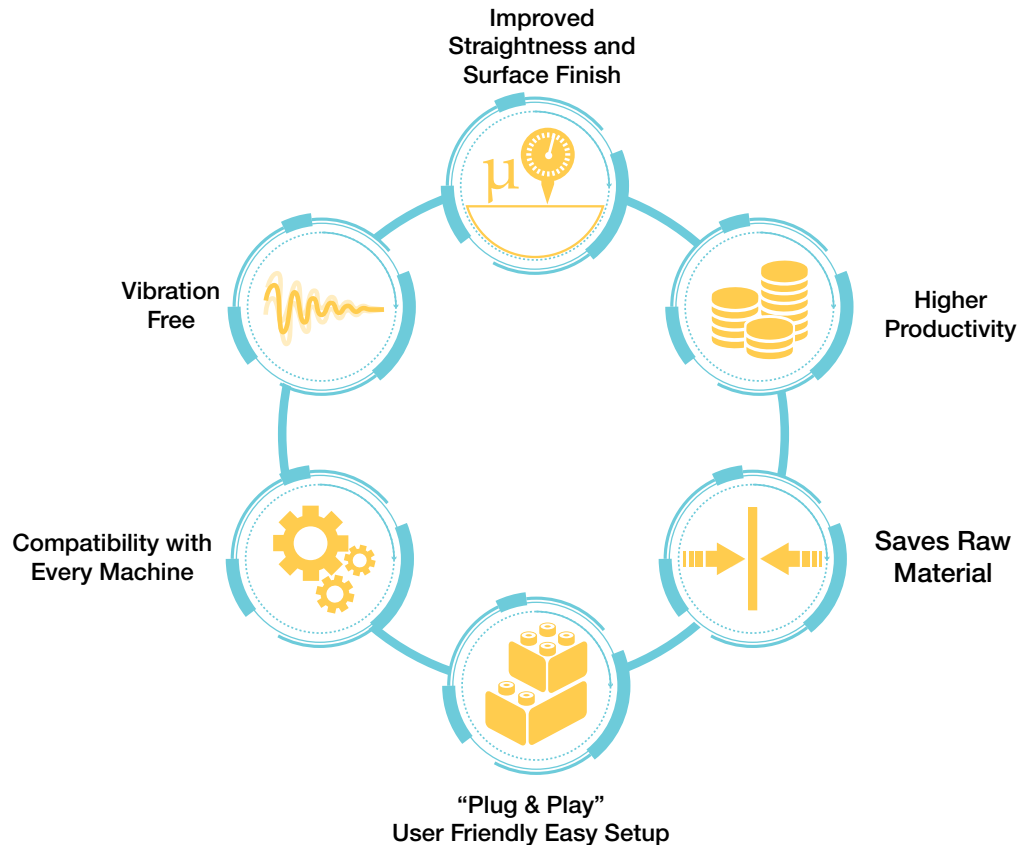


JETCUT pinpointed coolant directed to the cutting zone

Square adapters with 2 pockets, for **TANG-GRIP** inserts

Allows working at extremely high feeds using high feed inserts (HF chipformer)

ISCAR Parting 4 P Productivity



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Vibration Free



Improved Straightness and Surface Finish



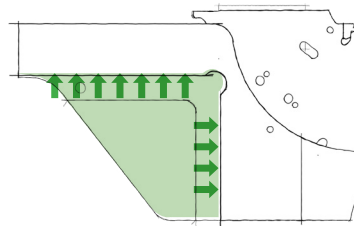
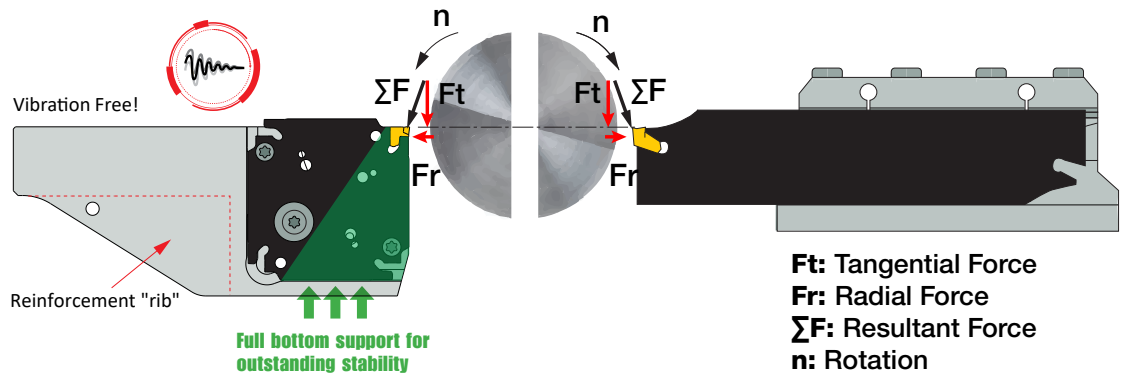
High Productivity Inserts

NPA

New Product Announcement

LOGIQ FGRIP
HIGH FEED GRIP HOLDER

Distribution of Forces



Availability

D42 Adapters and blocks, in stock

Prices

Your price list will be sent by the pricing department and updated in the **GAL** system.

Sincerely,

Kobi Kisos

Kobi Kisos
Chief Technical Officer,
Marketing Division
ISCAR Headquarters

Sincerely,

Rafi Rabouach

Rafi Rabouach
Director of Product Management
Grooving, Parting and Turning Applications
ISCAR Headquarters

Sincerely,

K. Guy

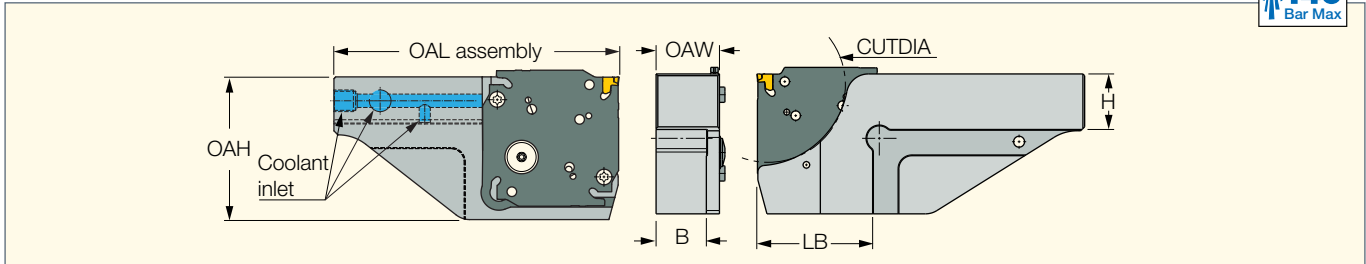
Kobi Guy
Product Manager,
Parting & Slitting, Grip System
ISCAR Headquarters



TGTBQ-JHP-MC

Tool Blocks which Mount Square Adapters with Three High-Pressure Coolant Inlets for Parting and Grooving

<https://www.iscar.com/eCatalog/Family.aspx?num=4655&mapp=TG&GFSTYP=M>



Designation	OAH	H	B	OAW	OAL	LB	CUTDIA
NEW TGTBQ 16R/L-D42-JHP-MC	40.00	16.0	16.0	20.00	100.00	35.00	42.0
NEW TGTBQ 20R/L-D42-JHP-MC	40.00	20.0	20.0	24.00	110.00	35.00	42.0
NEW TGTBQ 25R/L-D42-JHP-MC	40.00	25.0	25.0	29.00	120.00	35.00	42.0
TGTBQ 20R/L-D52-JHP-MC	50.00	20.0	20.5	26.50	112.00	42.00	52.0
TGTBQ 25R/L-D52-JHP-MC	50.00	25.0	26.5	31.50	125.00	40.00	52.0
TGTBQ 20R/L-D82-JHP-MC	64.00	20.0	20.5	26.50	127.50	57.50	82.0
TGTBQ 25R/L-D82-JHP-MC	64.00	25.0	26.5	31.50	142.50	57.50	82.0
TGTBQ 25R/L-D120-JHP-MC	95.00	25.0	26.5	31.50	158.00	73.00	120.0

Spare Parts

Designation	Clamp Screw	Key	Plug	Key 1	Pin
NEW TGTBQ 16R/L-D42-JHP-MC	SR 14-555 M4X7.6 T10	T-10/5	SR 5/16UNF TL360	HW 5/32"	SIDE THRUST PIN 3mm
NEW TGTBQ 20R/L-D42-JHP-MC	SR 14-555 M4X7.6 T10	T-10/5	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm
NEW TGTBQ 25R/L-D42-JHP-MC	SR 14-555 M4X7.6 T10	T-10/5	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm

Spare Parts

Designation	Screw	Clamp Screw	Handle	Torx Blade	Seal washer	Plug	Key 1	Pin	O-Ring
TGTBQ 20R/L-D52-JHP-MC	SR M4X9-SEAL-JHP	SR ISO 14580 M4X10	SW6-SD	BLD T20/S7	JHP COPPER SEAL 1/8"	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm	O-RING 10X2 NBR
TGTBQ 25R/L-D52-JHP-MC	SR M4X9-SEAL-JHP	SR ISO 14580 M4X10	SW6-SD	BLD T20/S7	JHP COPPER SEAL 1/8"	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm	O-RING 10X2 NBR
TGTBQ 20R/L-D82-JHP-MC	SR M4X9-SEAL-JHP	SR ISO 14580 M4X10	SW6-SD	BLD T20/S7	JHP COPPER SEAL 1/8"	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm	O-RING 10X2 NBR
TGTBQ 25R/L-D82-JHP-MC	SR M4X9-SEAL-JHP	SR ISO 14580 M4X10	SW6-SD	BLD T20/S7	JHP COPPER SEAL 1/8"	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm	O-RING 10X2 NBR
TGTBQ 25R/L-D120-JHP-MC	SR M4X9-SEAL-JHP	SR ISO 14580 M4X10	SW6-SD	BLD T20/S7	JHP COPPER SEAL 1/8"	PLG G1/8 TL360	HW 5.0	SIDE THRUST PIN 3mm	O-RING 10X2 NBR

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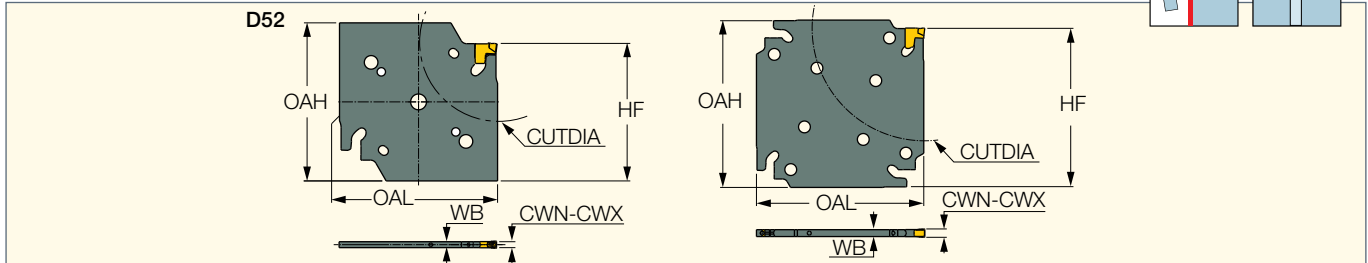
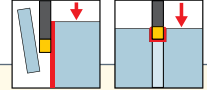
METRIC

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TGAQ

Parting and Grooving Square Adapters Carrying TANG-GRIP Tangentially Clamped Inserts

<https://www.iscar.com/eCatalog/Family.aspx?fnum=4542&mapp=TG&GFSTYP=M>



Designation	OAL	OAH	CWN ⁽¹⁾	CWX ⁽²⁾	WB	HF	CUTDIA ⁽³⁾	MIID ⁽⁴⁾	CSP ⁽⁵⁾
NEW TGAQ D42-2-2Z	32.00	32.00	1.80	2.50	1.65	32.0	42.0	TAG 2	0
NEW TGAQ D42-3-2Z	32.00	32.00	2.80	3.50	2.50	32.0	42.0	TAG 3	0
TGAQ D52-2-2Z	50.00	50.00	1.80	2.50	1.65	43.5	52.0	TAG 2	0
TGAQ D52-3-2Z	50.00	50.00	2.80	3.50	2.50	43.5	52.0	TAG 3	0
TGAQ D52-4-2Z	50.00	50.00	3.70	4.50	3.40	43.5	52.0	TAG 4	0
TGAQ D82-2-4Z	61.00	61.00	1.80	2.50	1.65	58.0	82.0	TAG 2	0
TGAQ D82-3-4Z	61.00	61.00	2.80	3.50	2.50	58.0	82.0	TAG 3	0
TGAQ D82-4-4Z	61.00	61.00	3.70	4.50	3.40	58.0	82.0	TAG 4	0
TGAQ D120-3-4Z	90.50	90.50	2.80	3.50	2.50	84.0	120.0	TAG 3	0
TGAQ D120-4-4Z	90.50	90.50	3.70	4.50	3.40	84.0	120.0	TAG 4	0
TGAQ D120-5-4Z	90.50	90.50	4.70	5.50	4.00	84.0	120.0	TAG 5	0
TGAQ D160-3-4Z	100.00	100.00	2.80	3.50	2.50	97.0	160.0	TAG 3	0
TGAQ D160-4-4Z	100.00	100.00	3.70	4.50	3.40	97.0	160.0	TAG 4	0
TGAQ D160-5-4Z	100.00	100.00	4.70	5.50	4.00	97.0	160.0	TAG 5	0

• Suitable for all TANG-GRIP inserts • D42 and D52 Adapters available with two pockets

⁽¹⁾ Minimum cutting width

⁽²⁾ Maximum cutting width

⁽³⁾ Maximum diameter for parting

⁽⁴⁾ Master insert identification

⁽⁵⁾ 0 - Without coolant supply, 1 - With coolant supply

Spare Parts



Designation	Clamp Screw	Extractor
NEW TGAQ D42-2-2Z		ETG 2*
TGAQ D52-2-2Z	SR ISO 14580 M4X10	ETG 2*
TGAQ D52-3-2Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D52-4-2Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D82-2-4Z	SR ISO 14580 M4X10	ETG 2*
TGAQ D82-3-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D82-4-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D120-3-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D120-4-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D120-5-4Z	SR ISO 14580 M4X10	ETG 5-7*
TGAQ D160-3-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D160-4-4Z	SR ISO 14580 M4X10	ETG 3-4-SH*
TGAQ D160-5-4Z	SR ISO 14580 M4X10	ETG 5-7*

* Optional, to be ordered separately