

# WORKHOLDING



## R8 Quick Change Holder

- Only protrudes 1-1/8" from gage line
- U.S. Patent #4,708,548
- R8 Shank

Order No. **GP20-24100**  
Regular Price \$603.00

**SALE \$512<sup>55</sup>**



WH384



## R8 Quick Change Tool System End Mill Adapters

- Offers 1 hand operation
- .0005" TIR
- For single end mills only — Designed for minimum overhang



Bore Dia.(in.)	Flange Length	Order No.	Regular Price	SALE
1/8	1-3/8	GP20-24200	188.00	<b>159.80</b>
3/16	1-3/8	GP20-24205	188.00	<b>159.80</b>
1/4	1-3/8	GP20-24210	188.00	<b>159.80</b>
3/8	1-3/8	GP20-24215	188.00	<b>159.80</b>
1/2	1-3/8	GP20-24220	188.00	<b>159.80</b>
5/8	1-5/8	GP20-24225†	188.00	<b>159.80</b>
3/4	2-3/16	GP20-24230†	199.00	<b>159.80</b>
1	2-15/16	GP20-24235†	222.00	<b>188.70</b>

†For light milling only. For heavy milling use solid end mill holder. WH385



## R8 Quick Change Tool System Drill Chuck Adapters

- Offers 1 hand operation
- .0005" TIR



Taper	Flange Length	Order No.	Regular Price	SALE
J2	13/32	GP20-24285	158.00	<b>134.30</b>
J3	13/32	GP20-24290	158.00	<b>134.30</b>
J6	13/32	GP20-24295	158.00	<b>134.30</b>
J33	13/32	GP20-24300	158.00	<b>134.30</b>

WH386



## Ball Bearing Super Chucks

The ball bearing Super Chuck is especially designed for extra heavy duty drilling applications on production drilling machines, jig borers, milling machines, lathes and radials. The ideal choice for those jobs that require close tolerance drilling. The ball thrust bearing reduces friction in the chuck's closing mechanism, so the operator can apply more gripping power on the twist drill shank.



Model No.	Chuck Capacity (in.)	Mount	Key Used	Order No.	Regular Price	SALE
14N	.04 to 1/2	3JT	K3	HK50-30221	187.40	<b>157.00</b>
16N	1/8 to 5/8	3JT	K4	HK50-30227	215.15	<b>180.00</b>
18N	1/8 to 3/4	4JT	K4	HK50-30233	323.55	<b>273.00</b>

WH165



## 52 Pc Clamping Kit

- Sets consist of:
- 4 Coupling nuts
  - 6 T-slot nuts
  - 24 Studs (4 ea: 3", 4", 5", 6", 7", 8")
  - 6 Serrated end clamps
  - 6 Flange nuts

- 6 Step blocks
- Fitted rack

Order No. **SG60-12625CK**  
Regular Price \$69.50

**SALE \$49<sup>50</sup>**



WH317



## T-nut & Stud Sets

### Sets Contain:

- 4 Coupling Nuts
- 4 Flange Nuts
- 4 T-Slot Nuts
- 1 T-Slot Cleaner
- 24 Studs, 4 ea of 3", 4", 5", 6", 7" and 8" long
- 1 Holder



Table T-Slot Size (in.)	Stud Size (in.)	Order No.	Regular Price	SALE
3/8	5/16-18	SG50-20601	66.20	<b>52.96</b>
7/16	3/8-16	SG50-20602	68.85	<b>55.08</b>
1/2	3/8-16	SG50-20603	71.50	<b>57.20</b>
9/16	3/8-16	SG50-20604	72.85	<b>58.28</b>
9/16	1/2-13	SG50-20605	78.25	<b>62.60</b>
5/8	1/2-13	SG50-20606	79.55	<b>63.64</b>
11/16	1/2-13	SG50-20607	85.55	<b>68.44</b>
11/16	5/8-11	SG50-20608	102.95	<b>82.36</b>
3/4	5/8-11	SG50-20609	104.30	<b>83.44</b>
13/16	5/8-11	SG50-20610	114.30	<b>91.44</b>
13/16	3/4-10	SG50-20611	151.10	<b>120.88</b>
7/8	3/4-10	SG50-20612	153.75	<b>123.00</b>

CF041



## Steel Step Block & Clamp Set

Block Thickness - 1/2			
Stud Size	Order No.	Regular Price	SALE
1/2	SG50-21004	237.95	<b>190.36</b>
5/8	SG50-21005	254.70	<b>203.76</b>
3/4	SG50-21006	305.45	<b>244.36</b>

  

Block Thickness - 1			
Stud Size	Order No.	Regular Price	SALE
1/2 & 5/8	SG50-21002	145.70	<b>116.56</b>
5/16 & 3/8	SG50-21001	135.00	<b>108.00</b>
5/8	SG50-21003	159.75	<b>127.80</b>



CF050



## 6" Machine Vise

### Features:

- Extended Jaws
- Solid stationary jaw for further rigidity
- Weighs 20% less for ease of handling
- Vise bed is Flame-Hardened guaranteed accuracy
- Jaw Width 6", Jaw Opening 8", Jaw Depth 1-3/4"
- Weight 66lbs



Order No. **HT65-LT680**  
Regular Price \$260.00

**SALE \$195<sup>00</sup>**

WH383

## Precision Machine Vise

- Flame hardened bed for wear resistance
- Hardened and ground jaw plates
- Hardened lead screw with ground threads
- Swivel handle and swivel base
- Jaw width 6", Jaw opening 5.5", Jaw depth 1.5"
- Vise length 16-3/4", Vise width 8-1/4"
- Overall Height 4-3/8"
- Weight 105lbs

Order No. **HT71-ATW60S†**  
Regular Price \$253.00

**SALE \$126<sup>50</sup>**



Other sizes available

WH316

## BTC® Three Jaw Self Centering Scroll Chucks- Direct Mount

American standard two-piece tongue and groove jaws. Scroll and jaws hardened and ground. Top reversible jaws. Semi-steel body.

### Supplied With:

- Master jaws and top jaws
- T-wrench
- Mounting screws

Although an A1 type spindle nose has both inner and outer tapped holes, Style A1 chucks utilize the inner holes, and will **NOT** fit on an A2 type spindle. Style A2 chucks use the outer tapped holes, and **WILL** fit on either A1 or A2 type spindles.



Chuck Size	Mount	Thru Hole	Mounting bolt size	Weight	Order No.	Regular Price	SALE
6"	D1-3	1.575	M10 X 1	32 lbs	HK15-6063D3	435.00	326.25
6"	D1-4	1.575	M10 X 1	32 lbs	HK15-6063D4	435.00	326.25
6"	D1-5	1.575	M12 X 1	32 lbs	HK15-6063D5	435.00	326.25
8"	D1-4	1.969	M10 X 1	32 lbs	HK15-6083D4	550.00	412.50
8"	A1-5	1.575	M10	47 lbs	HK15-6083A5R	540.00	405.00
8"	D1-5	1.969	M12 X 1	47 lbs	HK15-6083D5	550.00	412.50
8"	D1-6	1.969	M16 X 1.5	47 lbs	HK15-6083D6	550.00	412.50
8"	A2-6	2.559	M12	47 lbs	HK15-6083A26SR	895.00	671.25
10"	D1-5	2.4	M12 X 1	74 lbs	HK15-6103D5	695.00	521.25
10"	A1-6	2.165	M12	74 lbs	HK15-6103A6R	715.00	536.25
10"	D1-6	2.756	M16 X 1.5	74 lbs	HK15-6103D6	695.00	521.25
10"	D1-8	3.15	M20 X 1.5	74 lbs	HK15-6103D8	695.00	521.25
12"	A1-6	2.165	M12	142 lbs	HK15-6123A6R	955.00	716.25
12"	D1-6	3.937	M16 X 1.5	142 lbs	HK15-6123D6	895.00	671.25
12"	A1-8	3.071	M16	142 lbs	HK15-6123A8R	955.00	716.25
12"	D1-8	3.937	M20 X 1.5	142 lbs	HK15-6123D8	895.00	671.25
12"	D1-11	3.937	M22 X 1.5	142 lbs	HK15-6123D11	895.00	671.25
15"	A2-8	5.315	M16	142 lbs	HK15-6153A28R	1,285.00	963.75
15"	A2-11	5.315	M20	142 lbs	HK15-6153A211R	1,285.00	963.75

- D** † Requires mounting plate (included)  
† High speed steel body with mounting plate

WH387

## RAPIDKUT® End Mill Holders CAT 40 & 50 Tapers

- All collet chucks are supplied with hard coat nuts
- Produced according to AT3 specifications
- Tools are made of high quality steel
- Collet seat taper T.I.R. <0.0002"
- Through the spindle collant capability
- Dynamically balanced to G6.5 @ 15,000 RPM
- All collet chucks are supplied with depth set screws
- All balanced tools are supplied with QA certificate



Shank - CAT40						
Size (in.)	Nose	Gage Length	Order No.	Regular Price	SALE	
3/16	.690	2.50	TS11-C40E018250	78.80	63.04	
1/4	1.00	2.50	TS11-C40E025300	78.80	63.04	
3/8	1.00	2.50	TS11-C40E037300	78.80	63.04	
1/2	1.38	2.62	TS11-C40E050250	78.80	63.04	
5/8	1.50	3.75	TS11-C40E062300	81.30	65.04	
3/4	1.75	3.75	TS11-C40E075350	81.30	65.04	

Shank - CAT50						
Size (in.)	Nose	Gage Length	Order No.	Regular Price	SALE	
3/4	1.75	5.75	TS11-C50E075600	128.05	102.44	
1	2.00	4.00	TS11-C50E100400	123.15	98.52	

**D**

WH012

## RAPIDKUT® Collet Chucks CAT 40 & 50 Tapers

- All collet chucks are supplied with hard coat nuts
- Produced according to AT3 specifications
- Tools are made of high quality steel
- Collet seat taper T.I.R. <0.0002"
- Through the spindle collant capability
- Dynamically balanced to G6.5 @ 15,000 RPM
- All collet chucks are supplied with depth set screws
- All balanced tools are supplied with QA certificate



Mount - CAT40					
Collet Style	Nose Dia (in.)	Projection (in.)	Order No.	Regular Price	SALE
ER16	1.10	2.50	TS10-C40SA16276	91.10	72.88
ER16	1.10	4.00	TS10-C40SA16400	95.05	76.04
ER25	1.65	2.50	TS10-C40SA25276	91.10	72.88
ER32	1.97	2.75	TS10-C40SA32276	91.10	72.88
ER32	1.97	4.00	TS10-CV40ER32400	95.05	76.04
ER40	2.48	3.00	TS10-C40SA40315	91.10	72.88

Mount - CAT50					
Collet Style	Nose Dia. (in.)	Projection (in.)	Order No.	Regular Price	SALE
ER32	1.97	4.00	TS10-C50SA32400	123.15	98.52
ER40	2.48	4.00	TS10-C50SA40400	123.15	98.52

- D** Complete size offering available.

WH011

## RAPIDKUT® Straight Shank Collet Chucks

- Tools are made of a high quality alloy steel, SAE 8620/20MnCr5 and with wall thickness below 3mm EN19/SAE4140
- Collet seat taper T.I.R. <0.0003"
- Through the tool coolant capability
- All tools are balanced by design
- All collet chucks are available with the depth set screw



Collet Style	Shank Dia. (in.)	OAL (in.)	Order No.	Regular Price	SALE
ER11	1/2	7	TS10-SS050ER1170	76.50	61.20
ER16	3/4	7	TS10-SS075ER1670	78.80	63.04
ER20	1	7	TS10-SS100ER2070	88.65	70.92
ER25	1	7	TS10-SS100ER2575	88.65	70.92

**D**

WH022

## RAPIDKUT® TG Collet Chucks 40 & 50 Taper

- All collet chucks are supplied with depth set screws
- Collet seat taper T.I.R. <0.0002"
- Produced according to AT3 specifications
- Tools are made of a high quality steel
- Through the spindle collant capability
- Dynamically balanced to G6.3 @ 15,000 RPM
- All balanced tools are supplied with QA certificate



Mount - CAT40						
Collet Style	Capacity (min.-max.)	Nose Dia.	Projection	Order No.	Regular Price	SALE
100TG	5/64-1	2.36	2.76	TS10-40TG100276G	97.50	78.00
100TG	5/64-1	2.36	3.76	TS10-40TG100376G	102.60	82.08

Mount - CAT50						
Collet Style	Capacity (min.-max.)	Nose Dia.	Projection	Order No.	Regular Price	SALE
100TG	5/64-1	2.36	3.26	TS10-50TG100326G	128.30	102.64

**D**

WH021