

TMX™ R8 TOOL HOLDERS - MADE IN EUROPE



Image courtesy of the Hardinge Group

TMX R8 Holders & Knee Mills

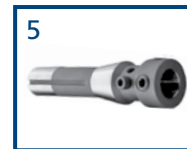
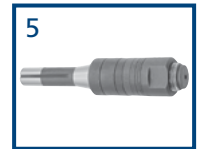
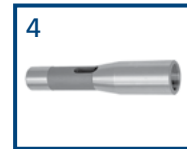
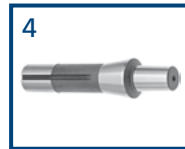
the perfect pairing of reliability and tradition

Though developed in 1936, the knee mill has made a recent comeback due to its ease of use, versatility and fast setup compared to CNCs. Toolmex has been tooling up knee mills with its offering of quality European R8 shank tool holders for over 40 years. A knee mill tooled with TMX R8 shank tool holders is the perfect pairing of precision, reliability and tradition.

Offering

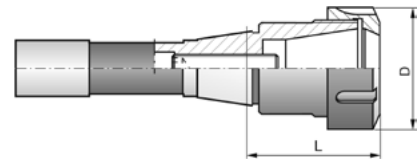
Page Number & Item

- 2 – ER Collet Chucks
- 2 – ER Collet Chuck Sets
- 2 – TG Collet Chucks
- 3 – DA180 Collet Chucks
- 3 – End Mill Holders
- 4 – Shell Mill Arbors
- 4 – Jacobs Taper Adapters
- 4 – R8 Shank to MT Socket Adapters
- 5 – Stub Milling Arbors
- 5 – Precision Slitting Arbor
- 5 – Annular Cutter Holders
- 6 – AP-90 R8 Shank Indexable End Mills
- 7 – TP-90 R8 Shank Indexable End Mills
- 7 – TP-90 R8 Shank Indexable End Mill Sets



ER Collet Chucks

- Draw Bar Thread 7/16"-20
- ER 16: Hex Nut
- ER 20, ER 25, ER32 and ER 40: Round Nut



Factory Model #7814

Shank Size	Collet Type	Gage Length L (in)	Part Number	Major Dia D (in)	Nut Part Number	Wrench Part Number
R8	ER 16	1.49	8-500-1608	1.26	8-800-P816	8-810-P916
	ER 20	1.77	8-500-2008	1.38	8-800-P820	8-810-P920
	ER 25	1.97	8-500-2508	1.65	8-800-P825	8-810-P925
	ER 32	2.28	8-500-3008	1.97	8-800-P832	8-810-P9032
	ER 40	2.36	8-500-4008	2.48	8-800-P840	8-810-P940

ER Collet Chuck Sets

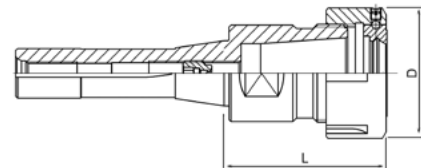
- Set Includes:
 - TMX Made In Poland Collet Chuck
 - ER Collets
 - Spanner Wrench
 - Collet Nut



Shank Size	Collet Type	Overall Length (in)	Set Part Number	Collet Sizes	Included Chuck Part Number	Nut Part Number	Wrench Part Number
R8	ER 32	6-1/4	8-500-3298	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	8-500-3008	8-800-P832	8-810-P932
R8	ER 40	6-1/2	8-500-4098	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	8-500-4008	8-800-P840	8-810-2010

TG Collet Chucks

- Draw Bar Thread 7/16"-20

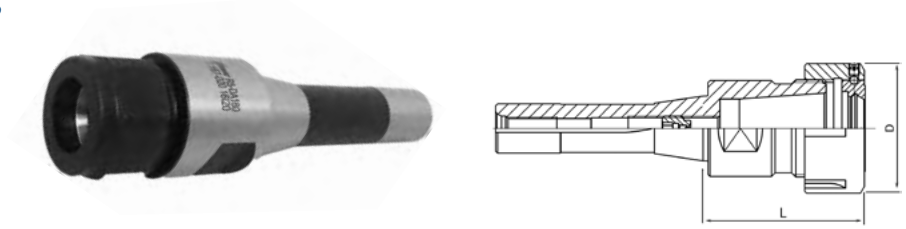


Factory Model #7819

Shank Size	Size	Gage Length L (in)	Part Number	Major Dia D (in)	Nut Part Number	Wrench Part Number
R8	TG100	3-1/8	8-500-1100	2-1/2	8-800-2010	8-810-2010

DA180 Collet Chucks

- Draw Bar Thread 7/16"-20



Factory Model #7816

Shank Size	Collet Type	Gage Length L (in)	Part Number	Major Dia D (in)	Nut Part Number	Wrench Part Number
R8	DA180	2.78	8-500-0200	1.54	8-800-1018	8-810-1018

End Mill Holders

- Made of Alloy Forged Steel for a long durable service life
- Hardened to RC 56-60 and ground to ensure maximum accuracy
- Shell End Mill Pilot T.I.R. < 0.0004"
- Each set is provided with a wooden case
- Draw bar thread: 7/16"-20

8 Piece Holder Set



Factory Model # 7820

Shank	Hole Dia	Gage Length (in)	Holder Part Number	Set Part Number	Set Screw Thread	Set Screw Part Number
R8	3/16	1.30	8-510-0005	8-510-0105 5 Pc Set 3/16-3/4*	10-32 x 5/16	8-815-110
	1/4*	1.30	8-510-0007		1/4-28 x 1/4	8-815-115
	3/8	1.30	8-510-0010		3/8-24 x 5/16	8-815-122
	1/2	1.30	8-510-0015		7/16-20 x 25/64	8-815-131
	5/8	1.50	8-510-0020		9/16-18 x 15/32	8-815-133
	3/4	2.36	8-510-0025	8-510-0108 8 Pc Set 3/16-1-1/4*	5/8-18 x 1/2	8-815-140
	7/8	2.74	8-510-0030		5/8-18 x 1/2	8-815-140
	1	3.23	8-510-0035		3/4-16 x 19/32	8-815-147
	1-1/4	3.23	8-510-0040		3/4-16 x 19/32	8-815-147
	1-1/2	3.74	8-510-0045		3/4-16 x 19/32	8-815-147

*1/4 not included in sets

Shell Mill Arbors

- Made of Alloy Forged Steel for a long durable service life
- Hardened to RC 56-60 and ground to ensure maximum accuracy
- Shell end mill pilot T.I.R. <0.0004"
- Draw bar threads: 7/16" - 20

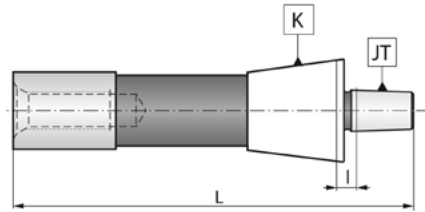


Factory Model # 7550

Shank	Arbor Dia	Gage Length (in)	Arbor Part Number	Thread Size	Arbor Screw Part Number	Arbor Key Width (in)	Arbor Key Part Number
R8	1/2	1.02	8-520-0005	1/4 - 28	8-815-P805	1/4	8-820-P025
	3/4	.95	8-520-0010	3/8 - 24	8-815-P807	5/16	8-820-P031
	1		8-520-0015	1/2 - 20	8-815-P810	3/8	8-820-P037
	1-1/4		8-520-0020	5/8 - 18	8-815-P812	1/2	8-820-P050
	1-1/2		8-520-0025	3/4 - 16	8-815-P815	5/8	8-820-P062

Jacobs Taper Adapters

- Draw bar threads: 7/16" - 20



Factory Model # 5355

Shank K	Jacobs Taper JT	Part Number	OAL L (in)	Clearance Length (in)
R8	JT1	8-530-0001	5.00	0.27
	JT2	8-530-0002	5.18	0.25
	JT3	8-530-0003	5.57	0.30
	JT4	8-530-0004	5.95	0.23
	JT6	8-530-0005	5.27	0.22
	JT33	8-530-0033	5.35	0.30

R8 Shank to MT Socket Adapters

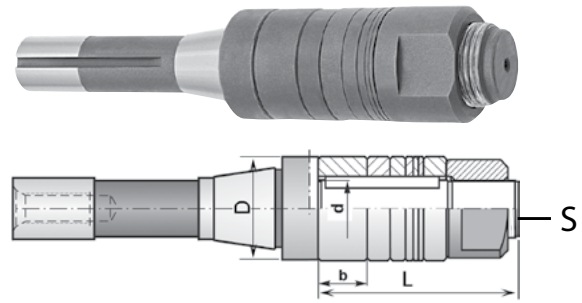
Factory Model # 1855

Shank	MT Socket	Part Number	Draw Bar Thread
R8	2	8-530-0050	7/16 - 20
	3	8-530-0100	



Stub Milling Arbors

- Made of Alloy Forged Steel for long durable service life
- Hardened to RC 56-60 and ground to ensure maximum accuracy
- Face is held perpendicular to center line within 0.0004"
- Pilot diameter is sized for precision fit with cutter and is keyed for positive drive
- Heavy duty locking LH nut and set of arbor spacers are included
- Draw Bar Thread 7/16" x 20



Factory Model # 7560

Shank Dia	Arbor Dia d (in)	Part Number	Major Dia D (in)	Wrench Size S	Arbor Length L (in)	Nut Part Number
R8	1	8-560-0005	1.50	1.25	3.5	8-800-610R
R8	1-1/4	8-560-0010	1.75	1.50		8-800-615R

Precision Slitting Arbor

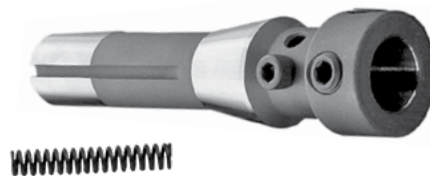
- This versatile arbor offers flexibility in sawing operations
- The spring loaded mechanism accepts saw blades with hole diameters from 1/2" to 1"
- Saw blades are firmly secured in position with a hex socket screw
- Rust resistant black oxide finish
- Arbors are provided with one hex wrench and one screw



Shank Dia D	OAL	Hole Dia	Part Number	Head Dia	Screw Part Number	Hex Key Part Number
R8	5-3/32	1/2, 5/8, 3/4, 7/8, 1	8-560-1005	1.24	8-815-P900	6-998-162

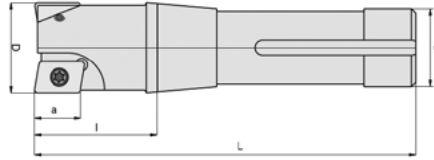
Annular Cutter Holders

- R8 shank
- Holder shank allows different machines to drive cutter
- Easily reaches out of the way places
- Select adapter lengths reduce the number of machine set ups



Shank Size	Type	Cutter Shank Size (in)	Gage Length (in)	Part Number	Replacement Spring Part Number
R8	HEN-5	3/4	1-3/4	8-560-0500	8-890-900H

AP-90 R8 Shank Indexable End Mills

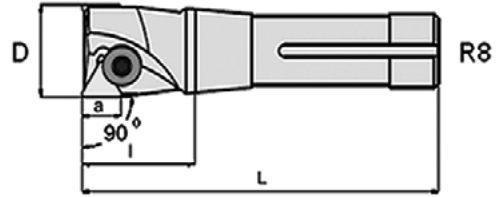


Part Number	Description	# of Inserts	Effective Teeth	ØD	Ød	L	l	Insert Screw Part Number	Wrench Part Number	ap Max	Insert Style
6-941-105	APK-D1.00-R8-5.8-2-16	2	2	1.00	R8	5.80	1.70	6-998-4008M	6-998-015	0.570	APKT16
6-941-110	APK-D1.25-R8-5.8-3-16	3	3	1.25		5.80	1.70				
6-941-115	APK-D1.50-R8-6.1-4-16	4	4	1.50		6.00	2.00	6-998-4011			
6-941-120	APK-D2.00-R8-6.1-5-16	5	5	2.00		6.00	2.00				
6-941-125	APK-D2.50-R8-6.1-6-16	6	6	2.50		6.00	2.00				

Inserts for AP-90R8 Shank Indexable End Mills

TMX Item Number	ANSI Reference	ISO Reference	Applications				Grade	D (IC)	d1 (hole)	S (thickness)	Re (radius)
			P	M	K	N					
111-2367-G4	APKT 160408 PDSR-X2 PH7920	APKT 160408 PDSR-X2 PH7920	●				PH7920	.372	.175	.211	.031
111-2159-66	APKT 160408 PDER-X1 PH6930	APKT 160408 PDER-X1 PH6930		●			PH6930	.372	.175	.211	.031
111-1923-10	APKT 160408 PDFR-LN PH0901	APKT 160408 PDFR-LN PH0901				●	PH0901	.372	.175	.211	.031

TP-90 R8 Shank Indexable End Mills



Part Number	Description	# of Inserts	Effective Teeth	D	d	L	l	Insert Screw Part Number	Wrench Part Number	ap Max	Insert Style
6-901-510	TPG-D1.00-R8-5.4-2-2	2	2	1.00	0.949	5.38	1.33	6-999-262	6-999-583	0.437	TPG/TPU-22
6-901-515	TPG-D1.25-R8-5.6-2-3	2	2	1.25	0.949	5.58	1.52	6-999-270	6-999-584	0.656	TPG/TPU-32
6-901-520	TPG-D1.50-R8-5.6-3-3	3	3	1.50	0.949	5.58	1.52	6-999-268			
6-901-525	TPG-D1.75-R8-5.6-3-3	3	3	1.75	0.949	5.58	1.52	6-999-270			
6-901-530	TPG-D2.00-R8-5.6-3-3	3	3	2.00							
6-901-535	TPG-D2.50-R8-5.6-4-3	4	4	2.50							
6-901-540	TPG-D3.00-R8-5.6-5-3	5	5	3.00							

TP-90 R8 Shank Indexable End Mill Sets

Set Part Number	Sets Available	Insert Style
6-901-5501	R8 End Mill Set, 1 1/4in, 1 1/2in, 2in	TPG/TPU-32
6-901-5505	R8 End Mill Set, 2in, 2 1/2in, 3in	TPG/TPU-32



Inserts for TP-90 R8 Shank Indexable End Mills

TMX Item Number	ANSI Reference	ISO Reference	Applications				Grade	D (IC)	S (thickness)	Re (radius)
			P	M	K	N				
112-0762-P3	TPUN 222 PH7930	TPUN 110308 PH7930	●	●			PH7930	.250	.125	.031
112-0761-P3	TPUN 221 PH7930	TPUN 110304 PH7930	●	●			PH7930	.250	.125	.015
112-0765-P3	TPUN 321 PH7930	TPUN 160304 PH7930	●	●			PH7930	.375	.125	.015
112-0766-P3	TPUN 322 PH7930	TPUN 160308 PH7930	●	●			PH7930	.375	.125	.031
112-0772-P3	TPUN 324 PH7930	TPUN 160316 PH7930	●	●			PH7930	.375	.125	.062
112-0761-09	TPUN 221 PH0320	TPUN 110304 PH0320			●	●	PH0320	.250	.125	.015
112-0762-09	TPUN 222 PH0320	TPUN 110308 PH0320			●	●	PH0320	.250	.125	.031
112-0765-09	TPUN 321 PH0320	TPUN 160304 PH0320			●	●	PH0320	.375	.125	.015
112-0766-09	TPUN 322 PH0320	TPUN 160308 PH0320			●	●	PH0320	.375	.125	.031
112-0772-09	TPUN 324 PH0320	TPUN 160316 PH0320			●	●	PH0320	.375	.125	.062