

SHARS Medium Duty Live Center Sets

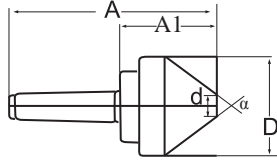
- Body made of special tool steel hardened and ground with a special taper mount for quick changing of points
- Sets packed in carton.
- Can be used for heavy duty work since the point and body acting like solid.
- Less heat is generated due to spring plate used at the end of angular bearing.
- Precision needle bearings used for high accuracy and long life.
- Accuracy guaranteed to .0012" to .0039" at center head.

Complete with 7 interchangeable Points

Morse Taper	Order No.	USA Brand	SHARS (D)
2	202-3425	\$91.00	\$78.50
3	202-3426	99.00	80.00
4	202-3427	119.00	87.00



SHARS Bull Nose Live Center



The head is ruggedly constructed for cutting pipe and hollow shaft

MORSE TAPER	D	Dimensions		d	α	W.T LBS	Order No.	USA Brand	SHARS (D)
		A	A1		Taper°				
2	2.48"	5.37"	2.48"	0.46"	70°	3.8	202-3430	\$58.00	\$52.95
3	4.21	6.50	2.76	1.26	75°	6.6	202-3431	98.00	65.95
4	5.04	7.62	3.07	1.38	75°	11.00	202-3432	150.00	96.95
5	6.61	9.96	4.25	1.57	75°	20.00	202-3433	228.00	139.00

SHARS Precision Live Centers

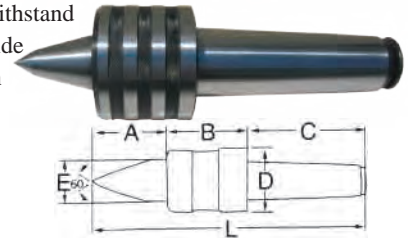
- Hardened to 61-65 Rockwell.
- Made of hardened steel & ground for high accuracy.
- Precise and high quality bearings
- Triple Bearing System.
- Bearings are immersed. Parts are sealed



Shank	Max. weight of Workpiece(Lbs)	Accuracy Load	Wt LBS	Max. R.P.M	Order NO.	USA Brand	SHARS (D)
1MT	600	.00039"	0.7	5000	202-3401	\$34.00	\$15.50
2MT	600	.00039"	0.8	5000	202-3402	30.00	20.00
3MT	900	.00039"	2.2	4000	202-3403	36.00	25.00
4MT	1800	.00039"	3.4	3000	202-3404	40.00	27.95
5MT	3000	.00059"	8.2	2400	202-3405	65.00	38.00

SHARS Long Nose Live Centers

N/C live centers are designed to withstand dust, chips and coolant getting inside the bearings. High speed operation is guaranteed within .0002" Hardened to 61-65 Rockwell "C" and ground. Load factor is higher than standard live centers.



Size	A	B	C	D	E	L	Order No.	USA Brand	SHARS (D)
3 MT	1-7/16	1-3/4	3-3/8	1-3/4	7/8	6-1/2	202-3420	\$72.00	\$36.00
4 MT	1-7/16	1-3/4	4-1/4	1-3/4	7/8	7-3/8	202-3421	90.00	45.00
5 MT	2-1/2	2-3/4	5-3/8	3-1/8	1-9/16	10-5/8	202-3422	200.00	89.95
6 MT	3-3/16	3-1/4	7-3/16	4	2	14	202-3423	340.00	139.00

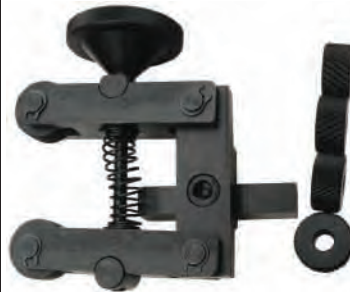
SHARS Morse Taper Solid Dead Center

- With 60° included angle
- Hardened & ground to the closest tolerances
- Bearing steel or carbide tipped

Morse Taper	OAL	Steel Order No.	Price (F)	Carbide Tipped Order No.	Price(D)
1MT	3-5/16	202-3406	\$4.70	202-3411	\$6.00
2MT	4-5/16	202-3407	4.90	202-3412	7.00
3MT	5-1/4	202-3408	7.50	202-3413	9.00
4MT	6-5/16	202-3409	10.95	202-3414	14.00
5MT	8-1/2	202-3410	20.50	202-3415	29.00



SHARS Knurler, Large Capacity



- This scissors knurler is specifically for the mini lathe.
- The knurler has a capacity of 0 to 2" diameter.
- This knurler fits in the standard tool post of the mini lathe without any modification. It also works with any of the quick change tool posts we sell.
- It comes with fine, medium, and coarse diamond knurls.

Order No.	Shank Size	Price(D)
404-9294	2" x 25/64 x 9/16"	\$39.95

Include:
• 3 Pairs Knurling Wheel: 404-9286
404-9287 404-9288

SHARS Single Knurling Tool

- Complete with medium cut HSS straight knurl



Size of Holder	Dia	Width	Hole	Knurls	Order No.	Price(D)
4x1/2x1/2"	3/4"	3/8"	1/4"	1	404-9280	\$7.90

SHARS Self-Adjusting Pivot Head

- Complete with 2 HSS medium diamond knurls (also can be replaced by cross knurls)



Size of Holder	Dia	Width	Hole	Knurls	Order No.	Price(D)
4x1/2x1/2"	3/4"	3/8"	1/4"	2	404-9281	\$10.95

SHARS Knurling Toolholder



- Include:
- 4 Pairs Knurling Wheel: 404-9324
404-9326 404-9290
404-9292

Size of Holder	Dia	Width	Hole	Knurls	Order No.	Price(D)
3/4x 3/4x7-1/4"	3/4"	3/8"	1/4"	8	404-9295	\$39.50

SHARS HSS Knurling Wheels

- Knurls are sold in pairs to produce diamond pattern.
- Sets consist of one left hand and one right hand cut.
- Straight line patterned knurls are sold in pairs with straight teeth.



- Replacement Knurling Wheel
- 3/4" Dia. x 3/8" Width x 1/4" Hole
- Supplied in pairs

Pitch	Lines\Inch	Diamond	Straight	Price(D)
Coarse	14	404-9324	404-9290	\$5.95
Medium	21	404-9325	404-9291	5.95
Fine	33	404-9326	404-9292	5.95
set of 3 pairs		404-9327	404-9293	15.95