

1-800-GRAINGER (472-4643)

Starrett®
WESTWARD®
Automatic Center Punches



- No striking required
- Replaceable tips

All punches have a steel tip for punching starter holes or producing small indentations in workpieces to facilitate drilling. 22VF4 is a hinge locating center punch.

L	Dia.	Adjustable	Brand	Mr. Model	Item No.
4 in	3/16 in	Yes	Starrett	18AA	22VE8
	1/8 in	Yes	Starrett	819	22VF4 †
5 in	3/16 in	Yes	Starrett	18A	22VE9
	1/2 in	Yes	Westward	—	2YNE9
5 1/4 in	1 1/16 in	Yes	Starrett	18C	22VF2
6 in	5/8 in	Yes	Westward	—	2YNF1 *
		Yes	Westward	—	2YNF2

* Carbide Tip † Hinge Locating



Center
1ARY9



Drive Pins
3AET9

Starrett® WESTWARD® Mitutoyo

Punch Sets

No. of Pieces	Sizes Included	L (in.)	Material	Brand	Mr. Model	Item No.
Drive Pin						
4	1/4 in, 3/16 in, 1/8 in, 5/16 in Pouch	8	Brass with Steel Grip	Starrett	SB248Z	3AER9
	1/4 in, 1/8 in, 3/16 in, 3/8 in, 1/2 in Pouch	8	Carbon Tool Steel	Westward	—	2YNE7
5	1/4 in, 1/8 in, 3/16 in, 3/8 in, 1/2 in Pouch	8	Steel	Starrett	S248PC	2ZVJ6
	1/4 in, 1/8 in, 3/16 in, 3/8 in, 1/2 in Plain Box	8	Steel	Starrett	S248	2ZVJ7
	1/8-3/8 in	8	Steel	Mitutoyo	985-118	4LB27
	1/16 in, 1/4 in, 1/8 in, 3/16 in, 3/8 in, 1/2 in, 5/8 in, 3/2 in Plastic Box	4	Steel	Starrett	S565WB	2ZVK5
8	1/16 in, 1/8 in, 1/4 in, 3/16 in, 1/2 in, 3/4 in, 5/8 in, 3/2 in Pouch	4	Brass	Starrett	SB565Z	3AET9
	1/16-5/16 in	4	Steel	Mitutoyo	985-119	4LB28
	1/16-5/16 in	4	Brass	Mitutoyo	985-120	4LB29
Center						
	Sizes 1/16 to 3/2 in, Pouch	3 and 4 in	—	Mitutoyo	985-138	1ARY9
5	Sizes: 1/16 in, 3/64 in, 3/32 in, 1/8 in, 3/32 in, Plastic Case	3 to 5 in	Steel	Starrett	S117PC	2ZVF5
7	Round Plastic Box	3 - 5 in	Tool Steel	Starrett	S264WB	2ZVJ8

Starrett®
Hardness Tester

Handles Rockwell scales A through H and K and provides reliable values on hard or soft metal and alloys. Includes diamond indenter, 1/16" ball indenter, 3 certified test blocks, 4 test tables, 5.87" and 2.5" flat anvils, 5/8" spot anvil, and a standard vee anvil. Also includes case.



Description	Mr. Model	Item No.
Analog Hardness Tester	3814	2ZUP4

4-Pc.
2KKV4



3-Pc.
3G945



Probe Sets

Description	Point Type	Overall Length (in.)	Brand	Mr. Model	Item No.
4-Pc. Mini Hook and Pick Set	Straight, 90°, Curved, and Complex Hooks	6 1/2 in	Mayhew	60003	2KKV4
4-Pc. Probe Set	180° Hook, 35° Bend, 90° Bend, Straight	6 in	General	60004	1XHP8
3-Pc. Probe Set	45°, Double Bend, Hook Bend	6 1/2 in	General	862	3G945

Shore A
1ARU7



Mitutoyo Starrett®

Durometer Calibration Sets

Rubber durometer test blocks help you to test the operational status of your Shore A or Shore D durometer. Choose a Shore A test block kit to yield hardness values of averaged ranges of 30, 60 and 90. Use a Shore D test block kit to find hardness values in the average ranges of 20, 40 and 80. A set of three rubber test blocks for testing type A hardness values of 27 to 94 includes a certificate.

Range	For Use With	Brand	Mr. Model	Item No.
Shore A Calibration Block Set				
30, 60, 90	1ARV2, 1ARV3, 1ARV6, 1ZRT4	Mitutoyo	64AAA964	1ARU7
27 to 94	Mr. No. 3805B	Starrett	SRB-3	2ZUP5
Shore D Calibration Block Set				
20, 40, 80	1ARV4, 1ARV5, 1ZRT5, 1ZRT6	Mitutoyo	64AAA590	1ARU6

4KY26



WESTWARD®
Scribers



4KY29

Point Type	Tip Material	Replaceable Tip	Threaded Points	Overall Length (in.)	Item No.
Machinist					
(1) Straight/(1) 90°	Hardened Steel	No	Yes	9 in	4KY26
Pocket					
Straight	Hardened Steel	No	Yes	4 3/4 in	4KY29
Straight	Carbide	No	No	5 in	4KY32

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