

# Section 2

## Non-Threaded Fasteners, Etc.

### SHAFTING # 671

Ref: DIN 671

In one, two or three meter lengths (Approx.: 39", 79" or 118") - Tolerance h9  
 Three materials: C 45 - Carbon Steel, A2 (304) Stainless Steel or Brass (Ms 58 Cu Zn 39 Pb3)



NOM. DIA. mm	TOLERANCE h9	WEIGHT/Meter lbs.	# 671 STEEL	# 671 A2 STAINLESS	# 671 BR BRASS
4	+0/-0.030mm	.22	-	X	-
5	+0/-0.030mm	.34	X	X	X
6	+0/-0.030mm	.49	X	X	X
7	+0/-0.036 mm	.66	X	X	-
8	+0/-0.036 mm	.87	X	X	X
9	+0/-0.036 mm	1.10	X	X	-
10	+0/-0.043 mm	1.40	X	X	X
11	+0/-0.043 mm	1.60	X	X	-
12	+0/-0.043 mm	2	X	X	X
13	+0/-0.043 mm	2.3	X	X	-
14	+0/-0.043 mm	2.7	X	X	X
15	+0/-0.043 mm	3	X	X	X
16	+0/-0.043 mm	3.5	X	X	X
17	+0/-0.043 mm	3.9	X	X	-
18	+0/-0.043 mm	4.4	X	X	X
19	+0/-0.052mm	5	X	X	-
20	+0/-0.052mm	5.4	X	X	X
22	+0/-0.052mm	6.6	X	X	-
25	+0/-0.052mm	8.5	X	X	X
28	+0/-0.052mm	10.6	X	-	-
30	+0/-0.052mm	12	X	-	X
35	+0/-0.062mm	17	X	-	X
40	+0/-0.062mm	22	X	-	X
45	+0/-0.062mm	28	X	-	X
50	+0/-0.062mm	34	X	-	X
55	+0/-0.074mm	44.50	-	-	X
60	+0/-0.074mm	49	X	-	X
65	+0/-0.074mm	62.19	-	-	X
70	+0/-0.074mm	67	X	-	X

"x" denotes stock availability

#### DATA FOR STEEL:

Approximate Chemical Composition:

C: 0.42-0.50% Si: 0.40% max. Mn: 0.50-0.80% P: 0.045% max. S: 0.045% max.

CARBON STEEL C 45 - # 10503 (Similar to AISI # 1043)

Heat treatment: (REF = Stahlschlüssel - 1986 # 1.0503) Hot working 1100 850°C (2000 - 1560°F)

Soft Annealing: 650 - 700°C (1200 - 1290°F)

Hardening Temperature for Quenching in:

Hardening Water or Oil: 800 - 830°C (1470 - 1520°F)

Water: 820 - 850°C (1500 - 1590°F)

Temper: 540 - 860°C (1000 - 1250°F)

#### How to Order

Item #: 671 BR

Size: 12

Quantity: 1 (Meter)

Tel: 1-888-966-MMCC

\*Please note: Diameters other than listed - **Please inquire.**