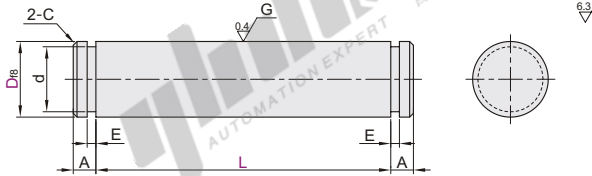


# Shafts

## with Retaining Ring Grooves

Straight Type(D Tol. f8)

Code	Type	Accuracy Grade	D Tol.	Material		Hardness	Surface Treatment
				GB	Equiv.		
SAE11	with Retaining Ring Grooves	Ordinary Grade	f8	45	S45C	—	Hard Chrome Plating, Plating Hardness HV750- Plating Thickness More Than 3µm



Ⓜ Circularity, Straightness, Perpendicularity and Changes in Hardness. Please refer to shaft product introduction.



The first perspective

Code	Part Number	Df8	L 1 mm Increment	A	E	d	Applicable Retaining Ring (2 pcs)	C
(D Tol. f8) SAE11	6	-0.010 -0.028	15~600	2	0.7	5	TBP12-5	0.5Below
	8	-0.013 -0.035	15~800	3	0.9	7	TBP12-7	
	10					9.6	TBP02-10	
	12		15~1000			11.5	TBP02-12	
	13		20~1000		1.15	12.4	TBP02-13	1.0Below
	15	-0.016 -0.043	20~1200	3.5		14.3	TBP02-15	
	16					15.2	TBP02-16	
	18		25~1200			17	TBP02-18	
	20				1.35	19	TBP02-20	1.0Below
	25	-0.020 -0.053		4.5		23.9	TBP02-25	
30		30~1200		1.65	28.6	TBP02-30		

Ⓜ For Retaining Rings, Refer to P1061.



Code	Spec.
HC	One End W/O Retaining Ring Groove Ordering Code: HC



Please order as shown.

Part Number	D	L	A
SAE11	15~600	2	
8	15~800	3	

SAE11 - D6 - L100

Discount price	Per	1-4	5-
Price	100%		Additional quotation

Optional Processing

Part Number	D	L	Optional Processing Code
SAE11	15~600	2	HC
8	15~800	3	HC

SAE11 - D6 - L100 - HC

Delivery	4

Ⓜ Optional Processing may reduce hardness.