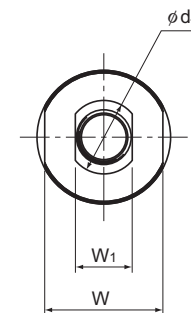
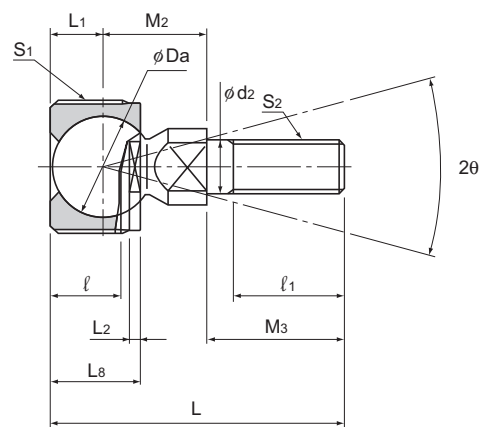


Model TBS



Unit: mm

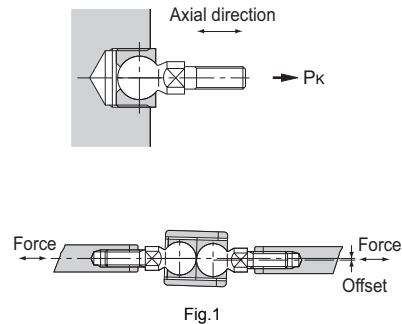
Model No.	Outer dimensions		Holder dimensions					Shaft diameter	Threaded S ₂ JIS Class 2	Ball shank dimensions					Ball diameter	Permissible tilt angles 2θ°	Applied static load			Yield-point strength	Mass
	Threaded S ₁ JIS Class 2	Length L	L _a	ℓ	L ₁	L ₂	W 0 −0.3			d ₂ h9	d ₄	M ₂	M ₃	ℓ ₁			W ₁ 0 −0.3	D _a	Perpendicular to the axis C _s N		
								C _{sa} (Tensile) N							C _{sa} (Compressive) N						
TBS 6	M20×1.5	34.2	11.5	8	7	2	17	6	M6×1	10	12.2	15	11	8	12.7	30	13700	4900	12000	2450	30
TBS 8	M22×1.5	41.5	14.5	11	8.5	2	19	8	M8×1.25	12	16	17	12	10	15.875	30	24600	10400	17600	5200	50
TBS 10	M25×1.5	55.5	17	13.5	10	2	22	10	M10×1.5	14	19.5	26	21	11	19.05	30	32700	14400	25000	7250	80
TBS 12	M30×1.5	63	20	15.5	12	3	27	12	M12×1.75	19	21	30	24	17	22.225	30	44000	18300	35000	9220	130

[Material]
Holder : High strength zinc alloy (see A-926)
Ball shank : Bearing steel ball Hardness: 650 Hv or higher
Shank S35C Chromate treatment

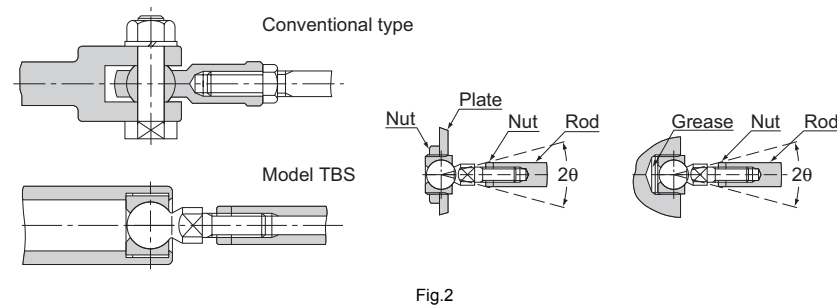
[Spherical Clearance]
Perpendicular to the axis: 0.03mm or less
Axial direction : 0.1mm or less

[Female Threading for Attaching the Outer Ring]
JIS Class 2 thread

[Yield-Point Strength]
It indicates the strength in the direction shown in the Fig.1.



[Example of Installation]
As shown in the Fig.2 below, compared with the conventional installation using a frog-shaped joint, model TBS can be installed more compactly and more easily.



[Lubrication]
Since the holder has an oil pocket, it allows grease to be replenished as necessary.