

# Leveling Bolts

Flanged Sphere-Tip / Hex-Chamfered Sphere-Tip / Head-Cap Sphere-Tip / Head-Cap Plain-Tip

**Leveling Bolt – Flanged with Sphere-Tip**

Tip Induction Hardened (50~56 HRC min.)

**Coarse**

Type	Material	Hardness (Tip Induction Hardened)	Surface Treatment
<b>FJKM</b>	1045 Carbon Steel or Equivalent	50~56 HRC min.	Trivalent Chromate

**Flanged Tip Sphere Type**

Part Number		L		L <sub>1</sub>	d	E	(e)	R	r	B	T	Load Capacity (kN)	Mass (g)
Type	M (xP)	80	100	24	12	12	21.9	6	1	19	10	23.6	110
<b>FJKM</b>	12 x1.75	80	100	24	12	12	21.9	6	1	19	10	23.6	110
	16 x2.0	80	100	30.5	16	13.5	27.7	8	2	24	13	44.0	210
	20 x2.5	100	120	36.5	20	14.5	34.6	10	2	30	16	68.6	315

**Leveling Bolt – Hex-Chamfered with Sphere-Tip**

Tip Induction Hardened (50~56 HRC min.)

**Fine**

Type	Material	Hardness (Tip Induction Hardened)	Surface Treatment
<b>FJKMR</b>	1045 Carbon Steel or Equivalent	50~56 HRC min.	Trivalent Chromate

Part Number		L	d	R	ℓ	B	Load Capacity (kN)	Mass (g)
Type	M (xP)	100	14	7	10	13	44.0	150
<b>FJKMR</b>	16 x1.5	100	14	7	10	13	44.0	150
	20 x1.5	103	18	9	13	16	68.6	250
	24 x1.5	103	20	10	13	18	98.8	300

**Leveling Bolt – Head-Cap with Sphere-Tip**

Tip Induction Hardened (50~56 HRC min.)

**Fine**

Type	Material	Hardness (Tip Induction Hardened)	Surface Treatment
<b>FJKMB</b>	1045 Carbon Steel or Equivalent	50~56 HRC min.	Trivalent Chromate

Part Number		L	d	R	ℓ	B	Load Capacity (kN)	Mass (g)
Type	M (xP)	100	14	7	10	21	44.0	150
<b>FJKMB</b>	16 x1.5	100	14	7	10	21	44.0	150
	20 x1.5	103	18	9	13	24	68.6	250
	24 x1.5	103	20	10	13	27	98.8	300

**Leveling Bolt – Head-Cap with Plain-Tip**

Tip Induction Hardened (50~56 HRC min.)

**Coarse**

Type	Material	Hardness (Tip Induction Hardened)	Surface Treatment
<b>FJKBA</b>	1045 Carbon Steel or Equivalent	50~56 HRC min.	Trivalent Chromate

Part Number		L	d	SR	B <sub>1</sub>	B <sub>2</sub>	E	F	T	Load Capacity (kN)	Mass (g)
Type	M (xP)	80 100	9	10	18	18.7	6	1	9.8	7.1	100
<b>FJKBA</b>	12 x1.75	80 100	9	10	18	18.7	6	1	9.8	7.1	100
	16 x2.0	100 120	13	12	21	23.7	6	2	12.5	9.8	200
	20 x2.5	100 120	16	17	24	29.4	6	2	15.6	21.0	300

**Part Number Example**

Part Number	-	L
FJKMR20	-	100
FJKMB24	-	103
FJKBA12	-	80

**Application Example**

Foot Jack Bolt  
SEPLC (P.3184)

# Anchor Brackets

Standard / Ribbed

**Anchor Brackets – Standard**

Type		Shape	Material	Surface Treatment
Without Gusset	With Gusset	Single	1018 Carbon Steel or Equivalent	Black Oxide Trivalent Chromate
<b>STYS</b>	—	Single	1018 Carbon Steel or Equivalent	Black Oxide Trivalent Chromate
<b>STTS</b>	—	Single	1018 Carbon Steel or Equivalent	Black Oxide Trivalent Chromate
<b>STYD</b>	<b>SYDR</b>	Double	1018 Carbon Steel or Equivalent	Black Oxide Trivalent Chromate
<b>STTD</b>	<b>STDR</b>	Double	1018 Carbon Steel or Equivalent	Black Oxide Trivalent Chromate

**With Gusset**

**SYDR**  
**STDR**

**Single**

**STYS**  
**STTS**

**Double**

**STYD**  
**STTD**

**With Gusset**

**SYDR**  
**STDR**

Body	Part Number		H	L	T	W	D		B	A	F	G		R	P
	Type	No.					Hole Dia.	Applicable Screw				Slotted Hole	Applicable Screw		
Single	<b>STYS</b> <b>STTS</b>	10	100	75	7	45	12	M10	60	60	50	12	M10	6	—
		12	150	100	9	50	16	M12	70	100	60	14	M12	7	—
		16	200	90	9	55	18	M16	70	120	60	14	M12	7	—
Double	<b>STYD</b> <b>SYDR</b> <b>STTD</b> <b>STDR</b>	10	100	75	7	70	12	M10	50	60	50	10	M8	5	45
		12	150	100	9	75	16	M12	70	100	60	10	M8	5	50
		16	200	90	9	80	18	M16	70	120	60	12	M10	6	55

**Part Number Example**

Part Number: **STYS12**

**Anchor Brackets – Ribbed**

Type	Material	Surface Treatment
<b>STRS</b>	1045 Carbon Steel or Equivalent	Black Baked Finish
<b>STRW</b>	1045 Carbon Steel or Equivalent	Baked Finish (Silver)
<b>STRZ</b>	1045 Carbon Steel or Equivalent	Baked Finish (Silver)
<b>STRZW</b>	1045 Carbon Steel or Equivalent	Baked Finish (Silver)

**STRW** Black  
**STRZW** Silver

**STRS** Black  
**STRZ** Silver

**STRW** Black  
**STRZW** Silver

Part Number		H	L	C	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub>	W <sub>1</sub>	W <sub>2</sub>	d		B	F <sub>1</sub>	F <sub>2</sub>	G		d	P	ℓ	Y	E	
Type	No.										Hole Dia.	Applicable Screw				Slotted Hole	Applicable Screw						
Single	<b>STRS</b> Black <b>STRZ</b> Silver	8	125	50	40	6	10	4	5	30	23	12	M8	35	50	50	7	M6	7	115	20	12	
		10	160	60	45	8	12	5	5	35	27	14	M10	40	60	75	9	M8	9	150	25	15	
		12	200	72	55	10	15	6	5	45	35	16	M12	50	70	100	11	M10	11	188	30	18	
Double	<b>STRW</b> Black <b>STRZW</b> Silver	10	150	60	—	8	12	5	10	65	8	14	M10	40	50	60	9	M8	9	30	140	25	15
		12	200	80	—	10	15	6	15	80	10	16	M12	60	70	100	11	M10	11	50	188	30	20

**Part Number Example**

Part Number: **STYS12**