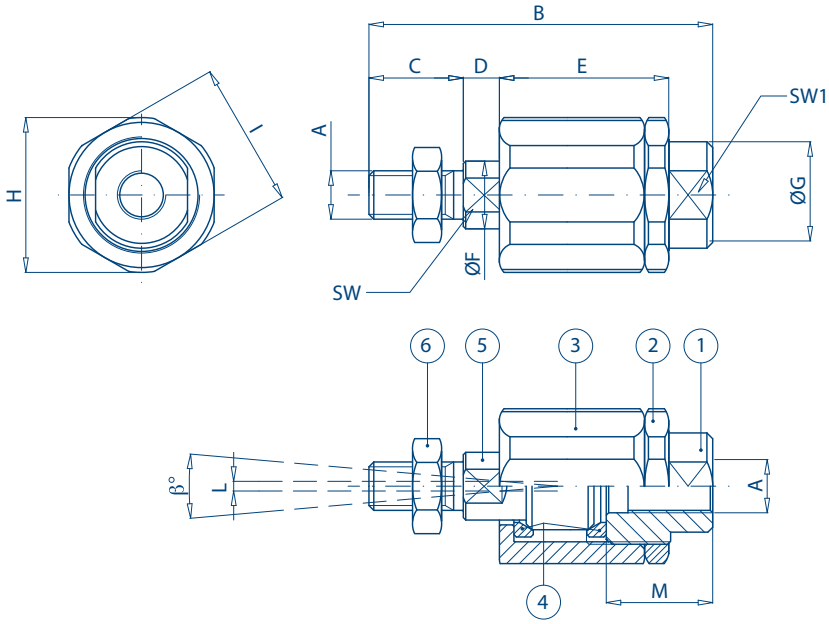
Self-aligning joints

Characteristics: the self-aligning joint enables the compensation of angular bendings and radial shiftings





Dimensions mm

DESIGNATION	CYLINDER Ø	A 6g-6H**	B	C	D	E	ØF	ØG	ØH	I	L	M	SW*	ß°	SW1*	static load (daN)	weight (kg) (daN)
GB6	12-16	M6x1	35	11	2,5	17,5	6	8,5	14,5	13	1	12,5	5	6°	7	120	0,025
GB8	25-30	M8x1,25	57	21	5	26	8	12,5	19	17	2	16	7	8°	11	250	0,060
GB10x1,25	32	M10x1,25	71,5	20	7,5	35	14	22	32	30	2	22	12	8°	19	500	0,220
GB10	32	M10x1,5	71,5	20	7,5	35	14	22	32	30	2	22	12	8°	19	500	0,220
GB12x1,25	40	M12x1,25	75,5	24	7,5	35	14	22	32	30	2	22	12	8°	19	500	0,230
GB12	40	M12x1,75	75,5	24	7,5	35	14	22	32	30	2	22	12	9°	20	500	0,230
GB16x1,5	50-63	M16x1,5	104	32	10	53	22	32	45	41	2	30	20	6°	27	1000	0,660
GB20x1,5	80-100	M20x1,5	119	40	10	53	22	32	45	41	2	37	20	6°	27	1000	0,700
GB27x2	125	M27x2	147	54	10	60	32	57	70	65	2	48	24	8°	54	3000	2,060
GB36x2	125	M36x2	190	72	15,5	77	39	57	75	70	2	68	32	8°	54	4000	3,110

**spanner flats **tolerances A: ball stud 6g - threaded hole 6H*

POS.	DESIGNATION	MATERIALS	HEAT TREATMENT	SURFACE PROTECTION
1	Cover	11SMnPb30 (1.0718) with R ≥ 50 daN/mm²		zinc plating according to the standard EN ISO 4042, Fe/Zn 8c 1A
2	Ring nut	11SMnPb30 (1.0718) with R ≥ 50 daN/mm²		zinc plating according to the standard EN ISO 4042, Fe/Zn 8c 1A
3	Body	11SMnPb30 (1.0718) R ≥ 50 daN/mm²		zinc plating according to the standard EN ISO 4042, Fe/Zn 8c 1A
4	Housing	39NiCrMo3 (1.6511) hardened and tempered R 100÷120 daN/mm²	Nitriding HV 0,1> 600	
5	Pin	39NiCrMo3 (1.6511) hardened and tempered R 100÷120 daN/mm²	Nitriding HV 0,1> 600	blacked
6	Nut	Nut UNI 5589-6S see page 67		zinc plating according to the standard EN ISO 4042, Fe/Zn 8c 1A