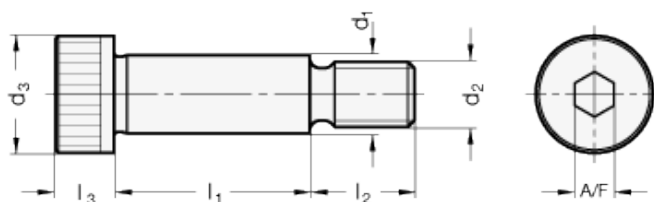
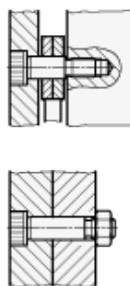


# ISO 7379

Shoulder screws  
with collar



## Application example



### technical informations

#### Material

Black-oxide steel class 12.9 (tensile strength 1200 N/mm<sup>2</sup>)  
Adapter dimension  $d_1$  ground.

#### Applications

Shoulder screws ISO 7379 are cost-saving construction elements for a wide variety of different uses.

The maximum tightening torque must not be defined by class 12.9, it is instead limited by the relatively small bearing points (shoulders) and by the recesses at the transition point from  $d_1$  to  $d_2$  and  $d_3$ .

Standard deviation:

- Concentricity 2 IT 13 and 2 IT 10
- the official ISO standard sheet has the following dimensions for  $d_2 - d_1$ : M5-6,5 / M10-13 / M20-25.

Standard Elements	Main dimensions							Weight
Description	$d_1$	$d_2$	$l_{1+0.25}$	$d_3$	$l_2$	$l_3$	A/F	g
ISO 7379-6-M5-10	6 <sup>6</sup> <sub>-0.013/-0.049</sub>	M5	10	10	9.5	4.5	3	6

ISO 7379-6-M5-12	$6_{-0.013/-0.049}$	M5	12	10	9.5	4.5	3	6
ISO 7379-6-M5-16	$6_{-0.013/-0.049}$	M5	16	10	9.5	4.5	3	10
ISO 7379-6-M5-20	$6_{-0.013/-0.049}$	M5	20	10	9.5	4.5	3	10
ISO 7379-6-M5-25	$6_{-0.013/-0.049}$	M5	25	10	9.5	4.5	3	10
ISO 7379-6-M5-30	$6_{-0.013/-0.049}$	M5	30	10	9.5	4.5	3	10
ISO 7379-6-M5-35	$6_{-0.013/-0.049}$	M5	35	10	9.5	4.5	3	10
ISO 7379-6-M5-40	$6_{-0.013/-0.049}$	M5	40	10	9.5	4.5	3	12
ISO 7379-6-M5-45	$6_{-0.013/-0.049}$	M5	45	10	9.5	4.5	3	17
ISO 7379-6-M5-50	$6_{-0.013/-0.049}$	M5	50	10	9.5	4.5	3	20
ISO 7379-6-M5-55	$6_{-0.013/-0.049}$	M5	55	10	9.5	4.5	3	22
ISO 7379-6-M5-60	$6_{-0.013/-0.049}$	M5	60	10	9.5	4.5	3	25
ISO 7379-6-M5-65	$6_{-0.013/-0.049}$	M5	65	10	9.5	4.5	3	30
ISO 7379-6-M5-70	$6_{-0.013/-0.049}$	M5	70	10	9.5	4.5	3	35
ISO 7379-6-M5-80	$6_{-0.013/-0.049}$	M5	80	10	9.5	4.5	3	37
ISO 7379-8-M6-16	$8_{f9}$	M6	16	13	11	5.5	4	12
ISO 7379-8-M6-20	$8_{f9}$	M6	20	13	11	5.5	4	15
ISO 7379-8-M6-25	$8_{f9}$	M6	25	13	11	5.5	4	15
ISO 7379-8-M6-30	$8_{f9}$	M6	30	13	11	5.5	4	18
ISO 7379-8-M6-35	$8_{f9}$	M6	35	13	11	5.5	4	20
ISO 7379-8-M6-40	$8_{f9}$	M6	40	13	11	5.5	4	20
ISO 7379-8-M6-45	$8_{f9}$	M6	45	13	11	5.5	4	25
ISO 7379-8-M6-50	$8_{f9}$	M6	50	13	11	5.5	4	25
ISO 7379-8-M6-55	$8_{f9}$	M6	55	13	11	5.5	4	28
ISO 7379-8-M6-60	$8_{f9}$	M6	60	13	11	5.5	4	30
ISO 7379-8-M6-65	$8_{f9}$	M6	65	13	11	5.5	4	32
ISO 7379-8-M6-70	$8_{f9}$	M6	70	13	11	5.5	4	32
ISO 7379-8-M6-80	$8_{f9}$	M6	80	13	11	5.5	4	35
ISO 7379-8-M6-90	$8_{f9}$	M6	90	13	11	5.5	4	35
ISO 7379-8-M6-100	$8_{f9}$	M6	100	13	11	5.5	4	40
ISO 7379-10-M8-16	$10_{f9}$	M8	16	16	13	7	5	23
ISO 7379-10-M8-20	$10_{f9}$	M8	20	16	13	7	5	25
ISO 7379-10-M8-25	$10_{f9}$	M8	25	16	13	7	5	30
ISO 7379-10-M8-30	$10_{f9}$	M8	30	16	13	7	5	35
ISO 7379-10-M8-35	$10_{f9}$	M8	35	16	13	7	5	38
ISO 7379-10-M8-40	$10_{f9}$	M8	40	16	13	7	5	40
ISO 7379-10-M8-45	$10_{f9}$	M8	45	16	13	7	5	51
ISO 7379-10-M8-50	$10_{f9}$	M8	50	16	13	7	5	50

ISO 7379-10-M8-55	10 <sub>f9</sub>	M8	55	16	13	7	5	50
ISO 7379-10-M8-60	10 <sub>f9</sub>	M8	60	16	13	7	5	50
ISO 7379-10-M8-65	10 <sub>f9</sub>	M8	65	16	13	7	5	53
ISO 7379-10-M8-70	10 <sub>f9</sub>	M8	70	16	13	7	5	50
ISO 7379-10-M8-80	10 <sub>f9</sub>	M8	80	16	13	7	5	50
ISO 7379-10-M8-90	10 <sub>f9</sub>	M8	90	16	13	7	5	60
ISO 7379-10-M8-100	10 <sub>f9</sub>	M8	100	16	13	7	5	80
ISO 7379-12-M10-16	12 <sub>f9</sub>	M10	16	18	16	8	6	49
ISO 7379-12-M10-20	12 <sub>f9</sub>	M10	20	18	16	8	6	40
ISO 7379-12-M10-25	12 <sub>f9</sub>	M10	25	18	16	8	6	40
ISO 7379-12-M10-30	12 <sub>f9</sub>	M10	30	18	16	8	6	47
ISO 7379-12-M10-35	12 <sub>f9</sub>	M10	35	18	16	8	6	50
ISO 7379-12-M10-40	12 <sub>f9</sub>	M10	40	18	16	8	6	55
ISO 7379-12-M10-45	12 <sub>f9</sub>	M10	45	18	16	8	6	60
ISO 7379-12-M10-50	12 <sub>f9</sub>	M10	50	18	16	8	6	65
ISO 7379-12-M10-55	12 <sub>f9</sub>	M10	55	18	16	8	6	69
ISO 7379-12-M10-60	12 <sub>f9</sub>	M10	60	18	16	8	6	75
ISO 7379-12-M10-65	12 <sub>f9</sub>	M10	65	18	16	8	6	80
ISO 7379-12-M10-70	12 <sub>f9</sub>	M10	70	18	16	8	6	90
ISO 7379-12-M10-80	12 <sub>f9</sub>	M10	80	18	16	8	6	90
ISO 7379-12-M10-90	12 <sub>f9</sub>	M10	90	18	16	8	6	100
ISO 7379-12-M10-100	12 <sub>f9</sub>	M10	100	18	16	8	6	100
ISO 7379-16-M12-25	16 <sub>f9</sub>	M12	25	24	18	11	9	105
ISO 7379-16-M12-30	16 <sub>f9</sub>	M12	30	24	18	11	9	105
ISO 7379-16-M12-35	16 <sub>f9</sub>	M12	35	24	18	11	9	108
ISO 7379-16-M12-40	16 <sub>f9</sub>	M12	40	24	18	11	9	110
ISO 7379-16-M12-45	16 <sub>f9</sub>	M12	45	24	18	11	9	115
ISO 7379-16-M12-50	16 <sub>f9</sub>	M12	50	24	18	11	9	120
ISO 7379-16-M12-55	16 <sub>f9</sub>	M12	55	24	18	11	9	130
ISO 7379-16-M12-60	16 <sub>f9</sub>	M12	60	24	18	11	9	140
ISO 7379-16-M12-65	16 <sub>f9</sub>	M12	65	24	18	11	9	145
ISO 7379-16-M12-70	16 <sub>f9</sub>	M12	70	24	18	11	9	155
ISO 7379-16-M12-80	16 <sub>f9</sub>	M12	80	24	18	11	9	170
ISO 7379-16-M12-90	16 <sub>f9</sub>	M12	90	24	18	11	9	185
ISO 7379-16-M12-100	16 <sub>f9</sub>	M12	100	24	18	11	9	190
ISO 7379-20-M16-30	20 <sub>f9</sub>	M16	30	30	22	14	10	200
ISO 7379-20-M16-35	20 <sub>f9</sub>	M16	35	30	22	14	10	205

ISO 7379-20-M16-40	20 <sub>f9</sub>	M16	40	30	22	14	10	207
ISO 7379-20-M16-45	20 <sub>f9</sub>	M16	45	30	22	14	10	215
ISO 7379-20-M16-50	20 <sub>f9</sub>	M16	50	30	22	14	10	219
ISO 7379-20-M16-55	20 <sub>f9</sub>	M16	55	30	22	14	10	230
ISO 7379-20-M16-60	20 <sub>f9</sub>	M16	60	30	22	14	10	240
ISO 7379-20-M16-65	20 <sub>f9</sub>	M16	65	30	22	14	10	260
ISO 7379-20-M16-70	20 <sub>f9</sub>	M16	70	30	22	14	10	266
ISO 7379-20-M16-80	20 <sub>f9</sub>	M16	80	30	22	14	10	291
ISO 7379-20-M16-90	20 <sub>f9</sub>	M16	90	30	22	14	10	315
ISO 7379-20-M16-100	20 <sub>f9</sub>	M16	100	30	22	14	10	340
ISO 7379-24-M20-50	24 <sub>f9</sub>	M20	50	36	27	16	12	345
ISO 7379-24-M20-55	24 <sub>f9</sub>	M20	55	36	27	16	12	360
ISO 7379-24-M20-60	24 <sub>f9</sub>	M20	60	36	27	16	12	370
ISO 7379-24-M20-65	24 <sub>f9</sub>	M20	65	36	27	16	12	400
ISO 7379-24-M20-70	24 <sub>f9</sub>	M20	70	36	27	16	12	420
ISO 7379-24-M20-80	24 <sub>f9</sub>	M20	80	36	27	16	12	450
ISO 7379-24-M20-90	24 <sub>f9</sub>	M20	90	36	27	16	12	480
ISO 7379-24-M20-100	24 <sub>f9</sub>	M20	100	36	27	16	12	520



STANDARD MACHINE ELEMENTS WORLDWIDE