

P1900

CAD

Material

Steel (type 42 CrMo4 V, 1.7225), zinc plated.
Stainless steel models (A1 or A4) on request.


Technical Notes

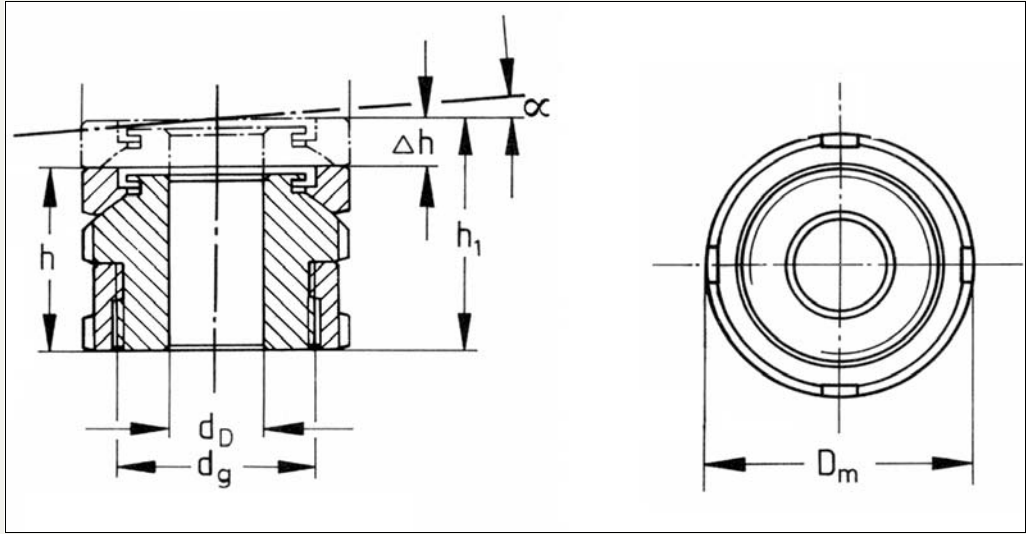
Height is set by tightening of the mounting bolt, under standard loads. The static net load F_{add} is calculated after subtracting the pre-load from the total load F_{tot} (with bolt of strength class 8.8).
Designed for applications with limited

space. Height adjustment (Δh) is between 4 and 10mm.

Tips

Designed for applications with limited space. Height adjustment (Δh) is between 4 and 10mm. Stainless steel models (A1 or A4) on request.

Order No.	For bolt size 	h mm	Δh	D m	d g	d D	F tot [kN]	F add [kN]
P1900.040	M 6	15	4	25	M15x1,0	6,6	40,0	30,7
P1900.050	M 6	18	5	32	M20x1,0	6,6	65,0	55,7
P1900.051	M 8	18	5	32	M20x1,0	9,0	65,0	48,0
P1900.052	M10	18	5	32	M20x1,0	11,0	65,0	37,9
P1900.070	M10	22	7	45	M30x1,5	11,0	120,0	92,9
P1900.071	M12	22	7	45	M30x1,5	13,5	120,0	80,4
P1900.072	M16	22	7	45	M30x1,5	17,5	120,0	45,5
P1900.090	M16	28	9	58	M40x1,5	17,5	210,0	136,0
P1900.091	M20	28	9	58	M40x1,5	22,0	210,0	90,0
P1900.092	M24	28	9	58	M40x1,5	26,0	210,0	37,0
P1900.100	M20	33	10	70	M50x1,5	22,0	330,0	210,0
P1900.101	M24	33	10	70	M50x1,5	26,0	330,0	157,0
P1900.102	M30	33	10	70	M5 x1,5	33,0	330,0	53,0



P1904

CAD


Material

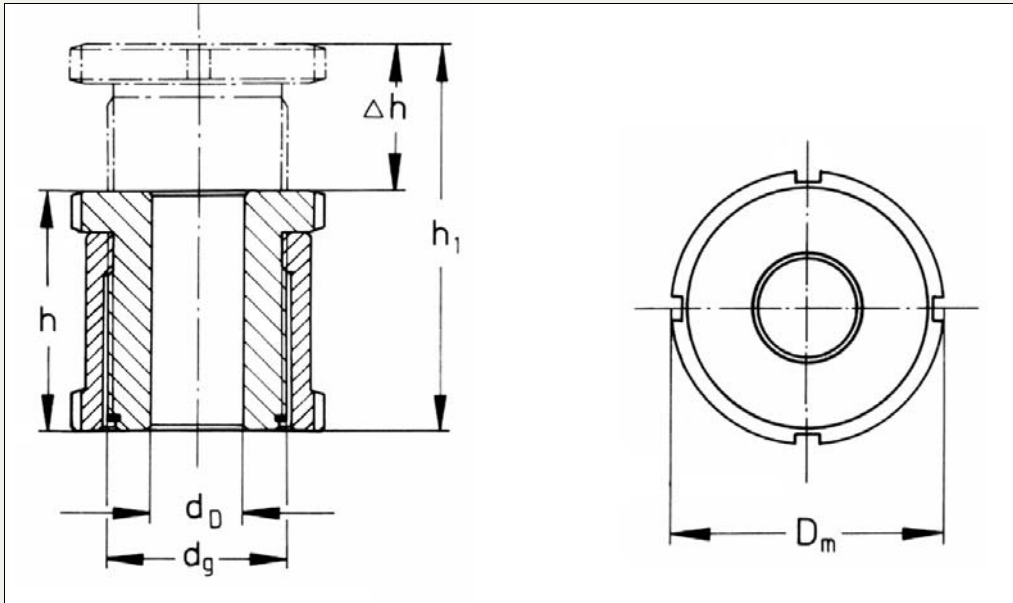
Steel (type 42 CrMo4 V, 1.7225), zinc plated.
Stainless steel models (A1 or A4) on request.

Technical Notes

Height is set by tightening of the mounting bolt, under standard loads. The static net load F_{add} is calculated after subtracting the pre-load from the total load F_{tot} (with bolt of strength class 8.8).

Designed for applications requiring both height adjustment (Δh - 4 to 10mm) and precise adjustment of non-parallel surfaces, with a maximum angle of tilt 4° . For adjustment of non-parallel surfaces without height adjustment, see part no. P1914.

Order No.	For bolt size 	h	Δh	D m	d g	d D	Ang. °	F tot [kN]	F add [kN]
P1904.040	M 6	22	4	25	M15x1,0	6,6	4°	40	30,7
P1904.050	M 6	26	5	32	M20x1,0	6,6	4°	65	55,7
P1904.051	M 8	26	5	32	M20x1,0	9,0	4°	65	48,0
P1904.052	M10	26	5	32	M20x1,0	11,0	4°	65	37,9
P1904.070	M10	34	7	45	M30x1,5	11,0	4°	120	92,9
P1904.071	M12	34	7	45	M30x1,5	13,5	4°	120	80,4
P1904.072	M16	34	7	45	M30x1,5	17,5	4°	120	45,5
P1904.090	M16	44	9	58	M40x1,5	17,5	4°	210	136,0
P1904.091	M20	44	9	58	M40x1,5	22,0	4°	210	90,0
P1904.092	M24	44	9	58	M40x1,5	26,0	4°	210	37,00
P1904.100	M20	50	10	70	M50x1,5	22,0	4°	330	210,0
P1904.101	M24	50	10	70	M50x1,5	26,0	4°	330	157,0
P1904.102	M30	50	10	70	M50x1,5	33,0	4°	330	53,0



P1906

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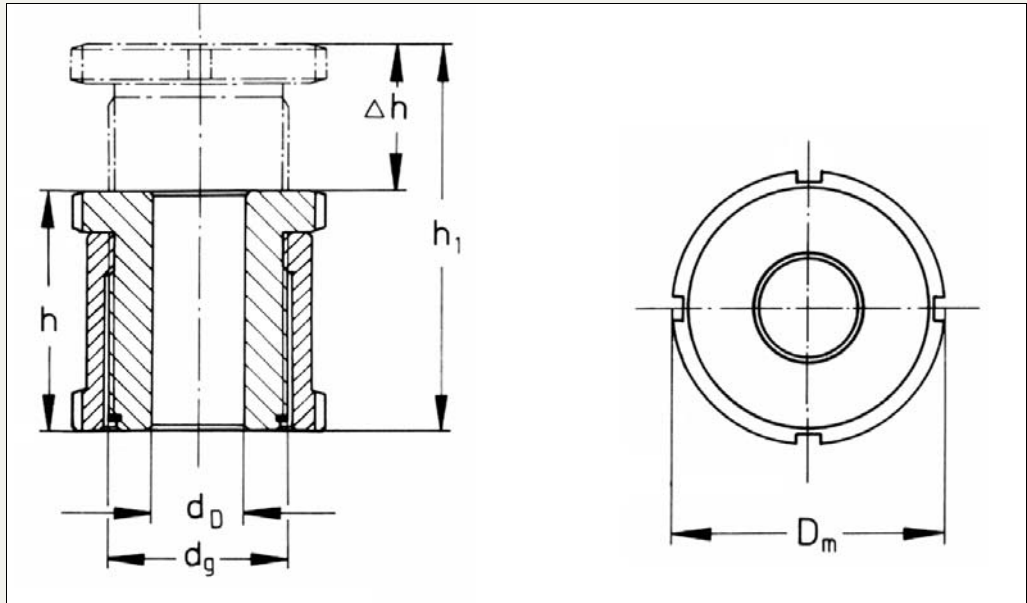
Technical Notes

Height is set by tightening of the mounting bolt, under standard loads. The static net load F_{add} is calculated after subtracting the pre-load from the total load F_{tot} (with bolt of strength

class 8.8).

Designed for applications where a wide adjustment range is required - height adjustment (Δh) is equal to 15 to 40mm.

Order No.	For bolt size 	h	Δh	D m	d g	d D	F tot [kN]	F add [kN]
P1906.015	M 6	28	15	25	M15x1,0	6,6	40	30,7
P1906.021	M 6	35	20	32	M20x1,0	6,6	65	55,7
P1906.022	M 8	35	20	32	M20x1,0	9,0	65	48,0
P1906.023	M10	35	20	32	M20x1,0	11,0	65	37,9
P1906.025	M10	42	25	45	M30x1,5	11,0	120	92,9
P1906.026	M12	42	25	45	M30x1,5	13,5	120	80,4
P1906.027	M16	42	25	45	M30 x1,5	17,5	120	45,5
P1906.030	M16	54	32	58	M40x1,5	17,5	210	136,0
P1906.031	M20	54	32	58	M40x1,5	22,0	210	90,0
P1906.032	M24	54	32	58	M40x1,5	26,0	210	37,0
P1906.040	M20	66	40	70	M50x1,5	22,0	330	210,0
P1906.041	M24	66	40	70	M50x1,5	26,0	330	157,0
P1906.042	M30	66	40	70	M50x1,5	33,0	330	53,0



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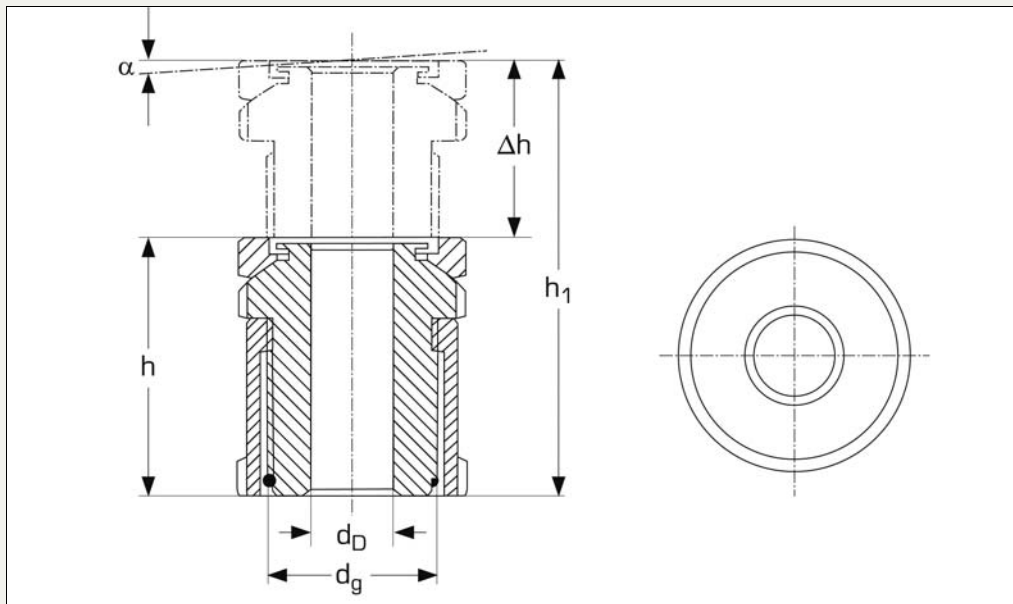
Technical Notes

Height is set by tightening of the mounting bolt, under standard loads. The static net load F_{add} is calculated after subtracting the pre-load from the total load F_{tot} (with bolt of strength

class 8.8).

Designed for applications with a dynamic load, or where no fasteners are used. Height adjustment range is Δh . The locknut enables locking of the adjuster in a pre-set position.

Order No.	For bolt size 	h	Δh	D m	d g	d D	F tot [kN]	F add [kN]
P1908.010	M 6	33	10	25	M15x1,0	6,6	40	30,7
P1908.014	M 6	41	14	32	M20x1,0	6,6	65	55,7
P1908.015	M 8	41	14	32	M20x1,0	9,0	65	48,0
P1908.016	M10	41	14	32	M20x1,0	11,0	65	37,9
P1908.017	M10	49	18	45	M30x1,5	11,0	120	92,9
P1908.018	M12	49	18	45	M30x1,5	13,5	120	80,4
P1908.019	M16	49	18	45	M30x1,5	17,5	120	45,5
P1908.020	M16	63	23	58	M40x1,5	17,5	210	136,0
P1908.021	M20	63	23	58	M40x1,5	22,0	210	90,0
P1908.023	M24	63	23	58	M40x,5	26,0	210	37,0
P1908.030	M20	77	29	70	M50x1,5	22,0	330	210,0
P1908.031	M24	77	29	70	M50x1,5	26,0	330	157,0
P1908.032	M30	77	29	70	M50x1,5	33,0	330	53,0



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Technical Notes

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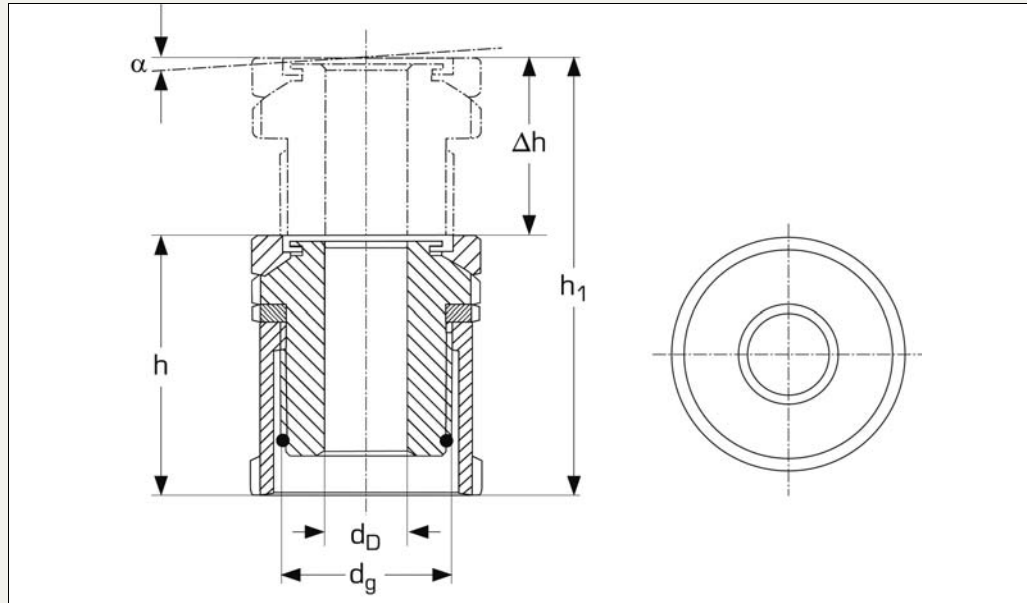
Designed for applications where a wide adjustment range is required - height adjustment (Δh) is equal to 15 to 40mm.

Order No.	For bolt size 	h	h ₁	h [^]	D _m	d _g	d _D mm	α app.	F _{tot} [kN]	F _{add} [kN]
P1910.009	M4	35	50	15	25	M5x1,0	4,5	4°	40	36,0
P1910.008	M5	35	50	15	25	M5x1,0	5,5	4°	40	33,4
P1910.010	M6	35	50	15	25	M5x1,0	6,6	4°	40	30,7
P1910.014	M6	43	63	20	32	M20x1,0	6,6	4°	65	56,7
P1910.015	M8	43	63	20	32	M20x1,0	9,0	4°	65	48,9
P1910.016	M10	43	63	20	32	M20x1,0	11,0	4°	65	37,9
P1910.017	M12	54	79	25	45	M30x1,5	11,0	4°	120	92,9
P1910.018	M12	54	79	25	45	M30x1,5	13,5	4°	120	80,4
P1910.019	M16	54	79	25	45	M30x1,5	17,5	4°	120	49,6
P1910.020	M16	70	102	32	58	M40x1,5	22,0	4°	210	136,0
P1910.021	M20	70	102	32	58	M4x1,5	26,0	4°	210	90,8
P1910.023	M24	70	102	32	58	M40x1,5	26,0	4°	210	87,0
P1910.030	M20	80	123	43	70	M50x1,5	22,0	4°	330	210,0
P1910.031	M24	80	123	43	70	M50x1,5	26,0	4°	330	157,0
P1910.032	M30	80	123	43	70	M50x1,5	33,0	4°	330	53,0



P1912

CAD



Material


Steel (type 42 CrMo4 V, 1.7225), zinc plated.
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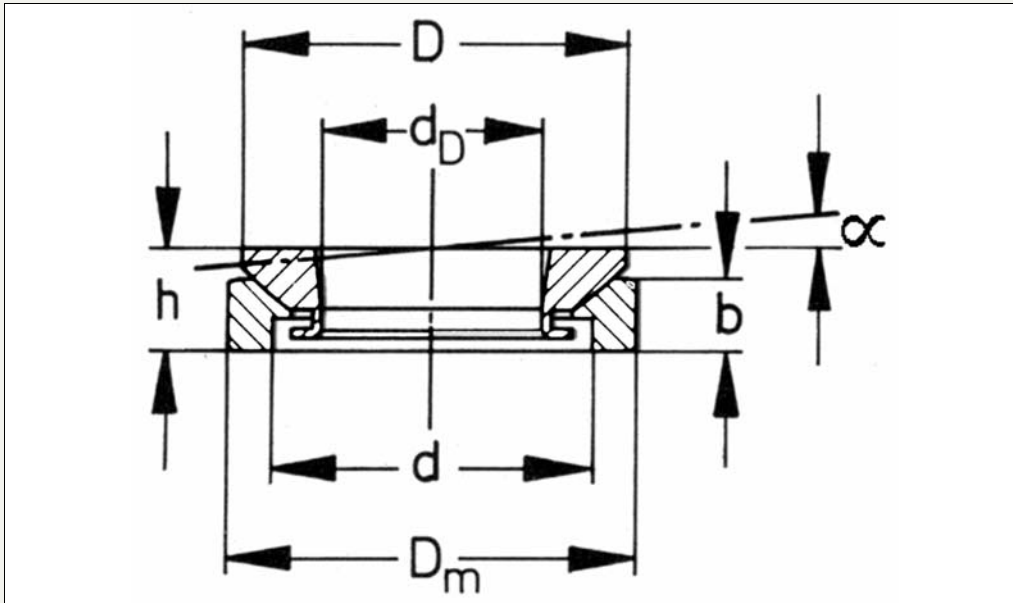
Technical Notes

Height is set by tightening of the mounting bolt, under standard loads. The static net load F_{add} is calculated after subtracting the pre-load from the total load F_{tot} (with bolt of strength

class 8.8).

Designed for applications where a wide adjustment range is required - height adjustment (Δh) is equal to 15 to 40mm.

Order No.	For bolt size 	h	h ₁	Δh	D _m	d _g	d _D	α app.	F _{tot} [kN]	F _{add} [kN]
P1912.008	M4	35	50	15	25	M5x1,0	4,5	4°	40	36,0
P1912.009	M5	35	50	15	25	M5x1,0	5,5	4°	40	33,4
P1912.010	M6	35	50	15	25	M5x1,0	6,6	4°	40	30,7
P1912.014	M6	43	63	20	32	M20x1,0	6,6	4°	65	55,7
P1912.015	M8	43	63	20	32	M20x1,0	9,0	4°	65	48,0
P1912.016	M10	43	63	20	32	M20x1,0	11,0	4°	65	37,9
P1912.017	M10	54	79	25	45	M30x1,5	11,0	4°	120	92,9
P1912.018	M12	54	79	25	45	M30x1,5	13,5	4°	120	80,4
P1912.019	M16	54	79	25	45	M30x1,5	17,5	4°	120	45,5
P1912.020	M16	70	102	32	58	M40x1,5	17,5	4°	210	136,0
P1912.021	M20	70	102	32	58	M40x1,5	22,0	4°	210	90,0
P1912.023	M24	70	102	32	58	M40x1,5	26,0	4°	210	37,0
P1912.030	M20	80	123	43	70	M50 1,5	22,0	4°	330	210,0
P1912.031	M24	80	123	43	70	M50x1,5	26,0	4°	330	157,0
P1912.032	M30	80	123	43	70	M50x1,5	33,0	4°	330	53,0



P1914

CAD

Material


Steel (type 42 CrMo4 V, 1.7225), zinc plated.
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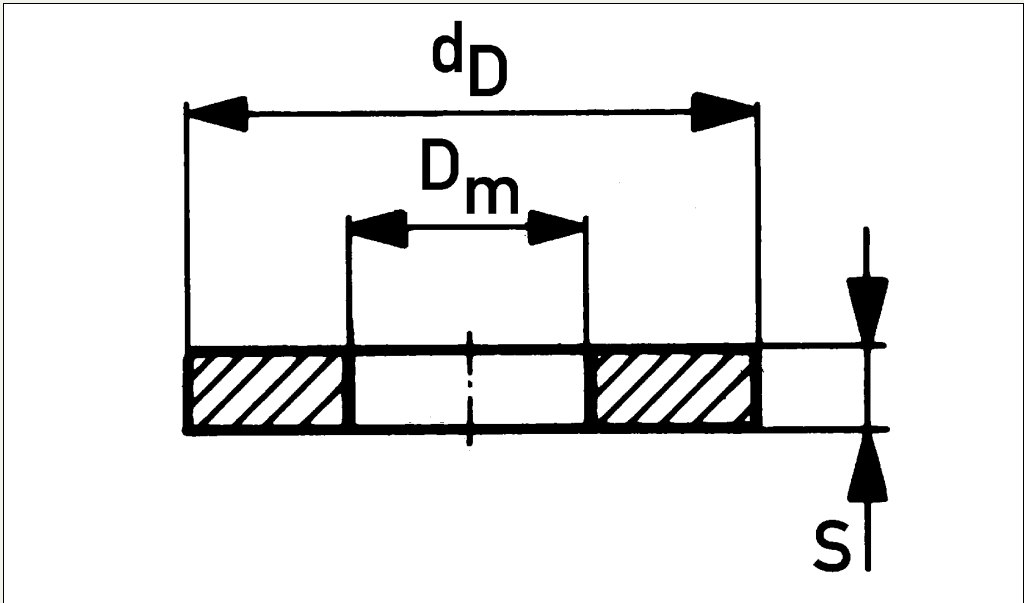
Technical Notes

Compensates for non-parallel surfaces with a maximum angle of tilt 4° . Please remember that fixing screw and washer may also require support if the

bearing surface is out of parallel by more than 1° .

The ball shim has no height adjustment feature.

Order No.	For bolt size 	h	d	d D
P1914.015	M 6	8,0	15	8,5
P1914.020	M10	10,0	20	13,0
P1914.030	M16	12,5	30	20,0
P1914.040	M24	16,0	38	29,0
P1914.050	M30	20,0	48	36,0
P1914.060	M36	20,0	61	44,0
P1914.080	M48	25,0	78	58,0



P1916

CAD


Material

Steel (type 42 CrMo4 V, 1.7225), zinc plated.
Stainless steel models (A1 or A4) on request.

Tips

Utilised to bridge gaps on applications where height adjustment of an

adjuster (^h) is insufficient. Stainless steel models (A1 or A4) on request.

Order No.	For bolt size 	D_m	d_b	s
P1916.015	M 6	25	6,6	4
P1916.020	M10	32	11,0	5
P1916.030	M16	45	17,5	6
P1916.040	M24	58	26,0	8
P1916.050	M30	70	33,0	10
P1916.060	M36	80	39,0	12
P1916.080	M48	105	52,0	16