

**Execution:**

drop forged, without cracks and wrinkles, acc. DIN EN 10243-1, ready processed

**Thread:**

according to DIN ISO 13-1, tolerance 6g, also possible in UN or UNC

**Allowable stresses:**

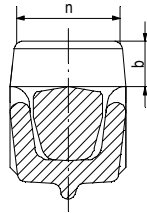
see page 119 and 120

**Certification:**

according AD 2000-Merkblatt A5, Anl. 2, W 7/1, W 7/2, W 10

**Certificate:**

according to DIN EN 10204-3.1, DIN EN 10204-3.2 and ASME-Code possible



Material*	Equipment
1.4571	with plain washer
1.7225 (M12 - M30)	spherical-** or plain washer
Gr. B8M, class 1	with plain washer
Gr. B7	spherical-** or plain washer

Type	Clamping length	Length	Width	Dimensions											Wight
				D	M	L	B	d2	b	c	d	e	f	g	
M10-K	19 - 30	83	25	8	9,5	3	6	11	11	15	27	5	6	20	0,2
M10-L	28 - 39	92													0,2
M12-L	36 - 64	133	34	10	12	4	8	15	17	16	38	6	8	30	0,5
M12-L2	63 - 91	160													0,6
M16-K	50 - 70	165	40	14	18	5	12	20	20	25	58	8	8	32	1,1
M16-L	65 - 95	190													1,2
M16-L2	90 - 120	215													1,3
M16-LS	110 - 140	235													1,4
M20-K	60 - 85	195	48	16	19	5	14	25	25	30	73	8	8	42	2,0
M20-L	75 - 100	210													2,0
M20-L2	100 - 140	250													2,2
M24-K	75 - 105	230	52	20	23	5	14	30	30	30	78	9	10	46	2,7
M24-L	100 - 140	265													3,0
M24-L2	130 - 170	295													3,2
M24-LS	170 - 210	335													3,4
M24-LT***	210 - 250	375													3,7
M24-LU***	255 - 295	420													4,3
M24-LX	305 - 345	470													4,8
M27-K	97 - 122	291	63	24	27	6	14	48	40	40	85	9	10	55	4,8
M27-L	127 - 157	327													5,0
M27-L2	162 - 207	375													5,5
M27-L3	217 - 267	435													6,2
M27-L4***	272 - 312	480													6,7
M27-L5***	327 - 367	535													7,4
M27-LS	352 - 397	566													7,7
M27-LT***	402 - 442	610													8,6
M27-LX	452 - 492	660													9,5

M30 on demand

\*other materials available on request | \*\*Spherical washer starting at M16 | \*\*\* special production