



Description

Heavy-duty lifting element for quick and easy use, with moveable shackle and locking stud to provide protection against unintentional unlocking (press = unlock). Special lifting devices e.g. threads for ring bolts, are no longer required on the work piece.

Material:

- **pin part:** heat-treated manganese phosphated tempered steel; precipitation-hardened stainless steel 630 (1.4542);
- **spring:** stainless steel;
- **shackle:** heat-treated manganese phosphated tempered steel; stainless steel 316 Ti (1.4571);
- **press button:** red anodised

Characteristics:

- corrosion and weathering resistant, thus also suitable for outdoor application;
- stainless steel: very solid, precipitation-hardened pin with an extreme load capacity;
- temperature range up to 250°C;
- F(kN), F1(kN) and F2(kN) in the table are shown in the second drawing;
- the value in column x is the minimum and maximum range (mm) at which the loads (F, F1 and F2) are valid, so a 5-fold safety through the use of 4 balls is realized;
- for use bores H11 are adequate;
- suitable locating bushings AP04 or AP30 for D1 = 8, 10, 12, 16 and 20 can be supplied as an accessory.

Article Code	D1	L1	D	D2	d	L	L2	L3	L4	L5	I	I1	x	F(kN)	F1(kN)	F2(kN)	Material
AP03.0828.0100	8,0	10	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-5	1,5	1,2	0,5	SST
AP03.0829.0100	8,0	10	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-5	1,5	1,2	0,5	Steel
AP03.0828.0150	8,0	15	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-10	1,5	1,2	0,5	SST
AP03.0829.0150	8,0	15	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-10	1,5	1,2	0,5	Steel
AP03.0828.0250	8,0	25	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	SST
AP03.0829.0250	8,0	25	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	Steel
AP03.0828.0350	8,0	35	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	SST
AP03.0829.0350	8,0	35	9,35		9,85	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	Steel
AP03.0828.0101	8,3	10	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-5	1,5	1,2	0,5	SST
AP03.0829.0101	8,3	10	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-5	1,5	1,2	0,5	Steel
AP03.0828.0151	8,3	15	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-10	1,5	1,2	0,5	SST
AP03.0829.0151	8,3	15	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-10	1,5	1,2	0,5	Steel
AP03.0828.0251	8,3	25	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	SST
AP03.0829.0251	8,3	25	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	Steel
AP03.0828.0351	8,3	35	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	SST
AP03.0829.0351	8,3	35	9,65		10,05	49	8,75	25,7	36,0	87,5	30	27,0	1,5-15	1,5	1,2	0,5	Steel
AP03.1028.0150	10,0	15	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	SST
AP03.1029.0150	10,0	15	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	Steel
AP03.1028.0250	10,0	25	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	SST
AP03.1029.0250	10,0	25	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	Steel
AP03.1028.0350	10,0	35	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	SST
AP03.1029.0350	10,0	35	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	Steel

Article Code	D1	L1	D	D2	d	L	L2	L3	L4	L5	I	I1	x	F(kN)	F1(kN)	F2(kN)	Material
AP03.1028.0500	10,0	50	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	SST
AP03.1029.0500	10,0	50	11,70		12,20	49	10,20	25,7	36,0	87,5	30	27,0	1,5-10	2,7	2,4	2,1	Steel
AP03.1228.0150	12,0	15	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-10	3,5	3,2	2,8	SST
AP03.1229.0150	12,0	15	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-10	3,5	3,2	2,8	Steel
AP03.1228.0250	12,0	25	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	SST
AP03.1229.0250	12,0	25	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	Steel
AP03.1228.0350	12,0	35	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	SST
AP03.1229.0350	12,0	35	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	Steel
AP03.1228.0500	12,0	50	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	SST
AP03.1229.0500	12,0	50	14,20		14,70	49	11,00	25,7	36,0	87,5	30	27,0	1,5-15	3,5	3,2	2,8	Steel
AP03.1328.0250	13,8	25	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-15	3,8	3,5	2,8	SST
AP03.1329.0250	13,8	25	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-15	3,8	3,5	2,8	Steel
AP03.1328.0500	13,8	50	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-35	3,8	3,5	2,8	SST
AP03.1329.0500	13,8	50	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-35	3,8	3,5	2,8	Steel
AP03.1328.0750	13,8	75	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-35	3,8	3,5	2,8	SST
AP03.1329.0750	13,8	75	16,20		16,70	49	13,00	25,7	36,0	87,5	30	27,0	1,5-35	3,8	3,5	2,8	Steel
AP03.1628.0250	16,0	25	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-15	4,8	4,5	4,1	SST
AP03.1629.0250	16,0	25	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-15	4,8	4,5	4,1	Steel
AP03.1628.0500	16,0	50	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-35	4,8	4,5	4,1	SST
AP03.1629.0500	16,0	50	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-35	4,8	4,5	4,1	Steel
AP03.1628.0750	16,0	75	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-40	4,8	4,5	4,1	SST
AP03.1629.0750	16,0	75	18,60		19,20	49	15,10	31,0	44,5	92,8	30	27,0	1,5-40	4,8	4,5	4,1	Steel
AP03.2028.0500	20,0	50	24,50		25,00	56	19,70	36,5	36,0	114,0	36	32,6	1,5-25	10,0	8,5	6,5	SST
AP03.2029.0500	20,0	50	24,50		25,00	56	19,70	36,5	36,0	114,0	36	32,6	1,5-25	10,0	8,5	6,5	Steel
AP03.2028.0750	20,0	75	24,50		25,00	56	19,70	36,5	36,0	114,0	36	32,6	1,5-30	10,0	8,5	6,5	SST
AP03.2029.0750	20,0	75	24,50		25,00	56	19,70	36,5	36,0	114,0	36	32,6	1,5-30	10,0	8,5	6,5	Steel

