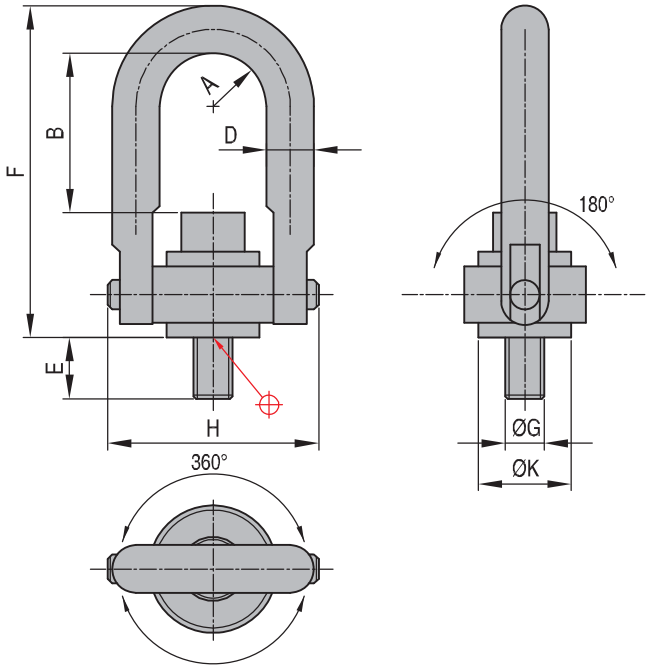
SHM - SHMR

Hoist rings - CE



REF	G	A	B	D	E	F	H	K	TL (Kgm)	P (Kg)	W (Kg)
SHM 0001	M8x1,25	10,9	32,0	9,7	12,5	67,8	46,7	19,0	1,0	400	0,17
SHM 0002	M10x1,50	10,9	30,0	9,7	17,5	67,8	46,7	19,0	1,7	450	0,17
SHM 0003	M12x1,75	22,4	60,5	19,0	19,0	121,4	89,4	38,1	3,8	1050	1,08
SHM 0004	M16x2,00	22,4	56,5	29,0	29,0	121,4	89,4	38,1	8,2	1900	1,12
SHM 0005	M20x2,50	22,4	52,5	34,0	34,0	121,4	89,4	38,1	13,6	2150	1,19
SHM 0006	M24x3,00	35,6	69,0	37,0	37,0	165,6	130,6	58,7	31,0	4200	3,10
SHM 0007	M30x3,50	44,5	107,4	41,9	41,9	221,7	165,1	81,0	60,0	7000	6,30
SHM 0009	M36x4,00	57,2	166,5	63,5	63,5	316,7	217,2	106,4	100,0	11000	15,50
SHM 0010	M42x4,50	57,2	160,5	68,0	68,0	316,7	217,2	106,4	100,0	12500	16,00
SHM 0011	M48x5,00	57,2	154,5	82,4	82,4	316,7	217,2	106,4	100,0	13500	16,80
SHM 0012	M64x6,00	76,2	210,0	101,6	101,6	419,1	297,6	146,0	290,0	22500	40,00
Spare parts REF	**G**										
SHMR 0001	M8x1,25										
SHMR 0002	M10x1,50										
SHMR 0003	M12x1,75										
SHMR 0004	M16x2,00										
SHMR 0005	M20x2,50										
SHMR 0006	M24x3,00										
SHMR 0007	M30x3,50										
SHMR 0009	M36x4,00										
SHMR 0010	M42x4,50										
SHMR 0011	M48x5,00										
SHMR 0012	M64x6,00										

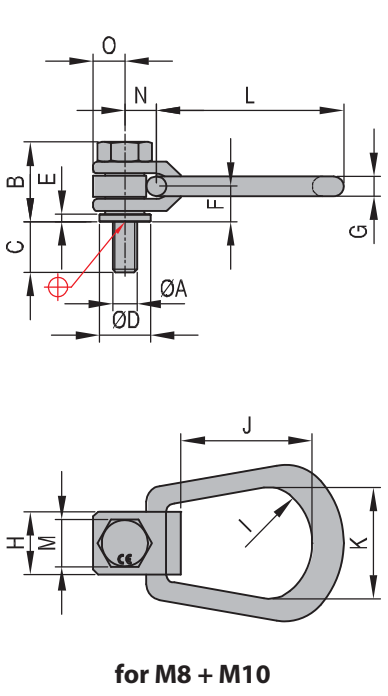
Features
-Pivots and swivels to compensate for pitch, roll and sway when lifting heavy or unbalanced loads.
-High strength alloy steel with minimum tensile strenght of 1,250 MPa (125 kg/mm^2)
-Certified heat treatment with 100% Magnaflux inspection.
-Corrosion resistant plating.
-Maximum operating temperature 200°C
-Safety factor is 5 times the rated load in any direction.

Note
-standard tolerance: ±0,8 mm
-E=the use of spacers between bushing flange and mounting surface is not recommended as this will reduce the safety load rating.
-TL=recommended torque load +25% - 0.
-P=rated
-W=weight

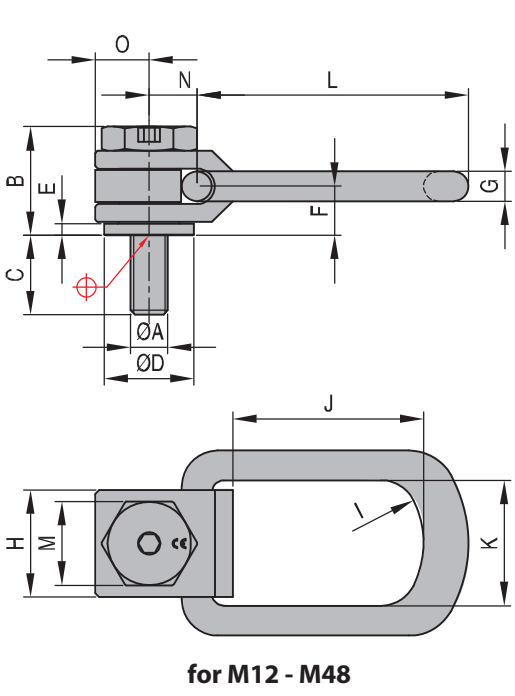
17/09/2012

Side pull hoist rings - CE

SHSP



for M8 + M10



for M12 - M48

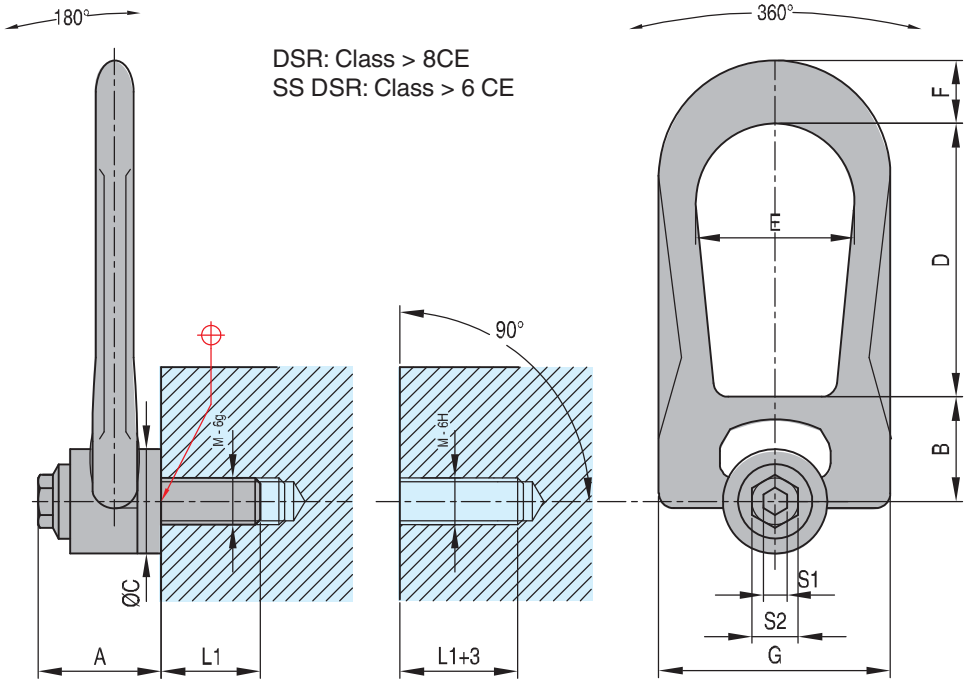
REF	P (Kg)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	TL
SHSP-0001	325	M8x1,25	33	16	21	3	14	8	25	25	25	44	76	19	13	13	5
SHSP-0002	500	M10x1,5	33	20	21	3	14	8	25	25	25	44	76	19	13	13	10
SHSP-0003	725	M12x1,75	48	24	35	4	21	13	44	38	86	51	120	32	19	22	20
SHSP-0004	1400	M16x2	48	32	48	4	21	13	44	38	86	51	120	32	19	22	40
SHSP-0005	2290	M20x2,5	59	40	48	6	26	16	57	51	102	67	145	44	25	29	70
SHSP-0006	3050	M24x3	59	48	83	6	26	16	57	51	102	67	145	44	25	29	140
SHSP-0007	4850	M30x3,5	90	60	83	9	42	27	95	76	196	111	265	76	49	48	350
SHSP-0009	7500	M36x4	90	72	83	9	42	27	95	76	196	111	265	76	49	48	550
SHSP-0010	8700	M42x4,5	90	84	83	9	42	27	95	76	196	111	265	76	49	48	800
SHSP-0011	10000	M48x5	90	96	83	9	42	27	95	76	196	111	265	76	49	48	1200

Features
For lifting molds, tools and dies. Full swivel and pivot action flip and turn parts without unhooking. 200% proof tested. Safety factor is 5 times the rated load capacity. High quality alloy steel, finish black oxide.
-TL=recommended torque load +25% - 0.

17/09/2012

DSR - SS DSR

Double swivel ring



REF	P	SF	KT	M	TL	L1	S1	S2	A	B	C	D	E	F	G
DSR M 8	3000	5	4	M 8 (x1,25)	6	14	8	16	33	30	30	38	27	14	53
DSR M 10	6000	5	5	M 10 (x1,50)	10	17	8	16	33	30	30	38	27	14	53
DSR M 12	10000	5	6	M 12 (x1,75)	15	21	8	16	33	30	30	38	27	14	53
DSR M 14*	13000	5	6	M 14 (x2)	30	23	8	20	45	42	45	54	38	17	76
DSR M 16	16000	5	7	M 16 (x2)	50	27	8	20	45	42	45	54	38	17	76
DSR M 18*	20000	5	7	M 18 (x2,5)	70	27	8	20	45	42	45	54	38	17	76
DSR M 20	25000	5	9	M 20 (x2,5)	100	30	8	20	45	42	45	54	38	17	76
DSR M 22*	30000	5	9	M 22 (x2,5)	120	33	14	24	62	55	60	83	55	25	107
DSR M 24	40000	5	11	M 24 (x3)	160	36	14	24	62	55	60	83	55	25	107
DSR M 27*	50000	5	13	M 27 (x3)	160	40	14	24	62	55	60	83	55	25	107
DSR M 30	63000	5	14	M 30 (x3,5)	250	45	14	24	62	55	60	83	55	25	107
REF	**P**	**SF**	**KT**	**M**	**TL**	**L1**	**S1**	**S2**	**A**	**B**	**C**	**D**	**E**	**F**	**G**
SS DSR 6 M 8	3000	5	4	M 8 (x1,25)	6	16	6		32	30	30	39	28	13	53
SS DSR 13 M 8	3000	5	4	M 8 (x1,25)	6	16		13	30	30	30	39	28	13	53
SS DSR 8 M 10	5000	5	5	M 10 (x1,50)	10	16	8		34	30	30	39	28	13	53
SS DSR 17 M 10	5000	5	5	M 10 (x1,50)	10	16		17	31	30	30	39	28	13	53
SS DSR 10 M 12	8000	5	6	M 12 (x1,75)	15	19	10		33	30	30	39	28	13	53
SS DSR 19 M 12	8000	5	6	M 12 (x1,75)	15	19		19	30	30	30	39	28	13	53
SS DSR 24 M 16	15000	5	7	M 16 (x2)	50	26		24	44	40	42	54	38	17	77
SS DSR 30 M 20	16000	5	7	M 20 (x2,5)	100	30		30	43	40	42	54	38	17	77

*Non standard

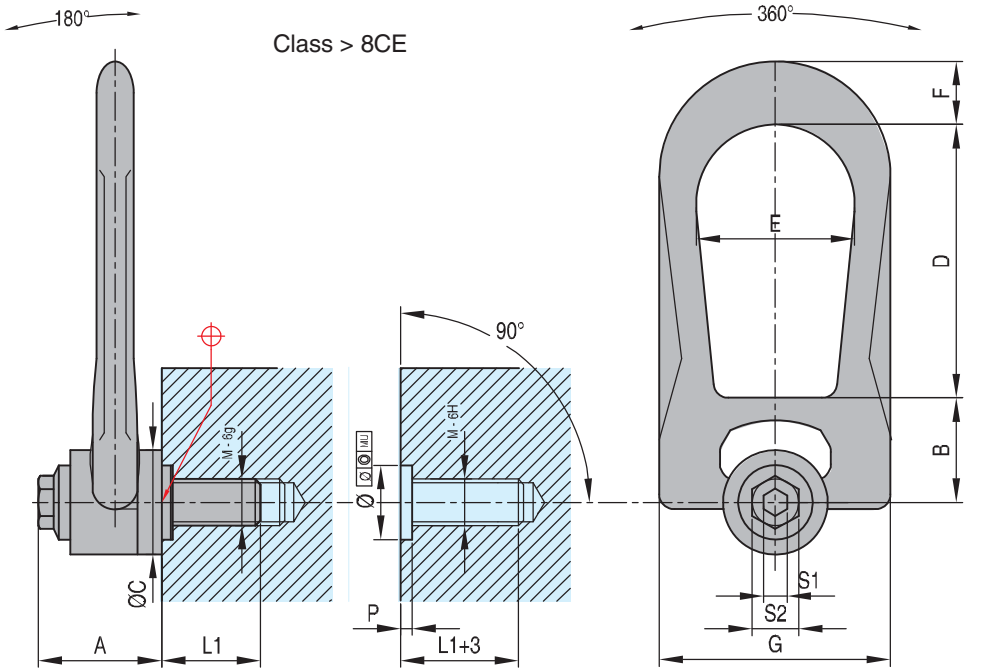
Two free articulations
Very low overhang for improved safety
Automatic realignment of the ring when in traction 90°
Large support surface for a very high Resistance
Two ways of tightening: either by open-ended spanner, or by allen key
Improved stability with DSR C through centering section

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

Double swivel ring with centering

DSR C



REF	P	SF	KT	M/ø	TL/ Nm	L1	S1	S2	A	B	C	D	E	F	G	P
DSR C M 8	3000	5	4	16 0/+0,25	6	14	8	16	33	30	30	38	27	14	53	3 +0,5/+1
DSR C M 10	6000	5	5	20 0/+0,25	10	17	8	16	33	30	30	38	27	14	53	3 +0,5/+1
DSR C M 12	10000	5	6	20 0/+0,25	15	21	8	16	33	30	30	38	27	14	53	3 +0,5/+1
DSR C M 14*	13000	5	6	20 0/+0,25	30	23	8	20	45	42	45	54	38	17	76	3 +0,5/+1
DSR C M 16	16000	5	7	20 0/+0,25	50	27	8	20	45	42	45	54	38	17	76	3 +0,5/+1
DSR C M 18*	20000	5	7	30 0/+0,30	70	27	8	20	45	42	45	54	38	17	76	3 +0,5/+1
DSR C M 20	25000	5	9	30 0/+0,30	100	30	8	20	45	42	45	54	38	17	76	3 +0,5/+1
DSR C M 22*	30000	5	9	30 0/+0,30	120	33	14	24	62	55	60	83	55	25	107	4 +0,5/+1
DSR C M 24	40000	5	11	30 0/+0,30	160	36	14	24	62	55	60	83	55	25	107	4 +0,5/+1
DSR C M 27*	50000	5	13	36 0/+0,30	160	40	14	24	62	55	60	83	55	25	107	4 +0,5/+1
DSR C M 30	63000	5	14	36 0/+0,30	250	45	14	24	62	55	60	83	55	25	107	4 +0,5/+1

*Non standard

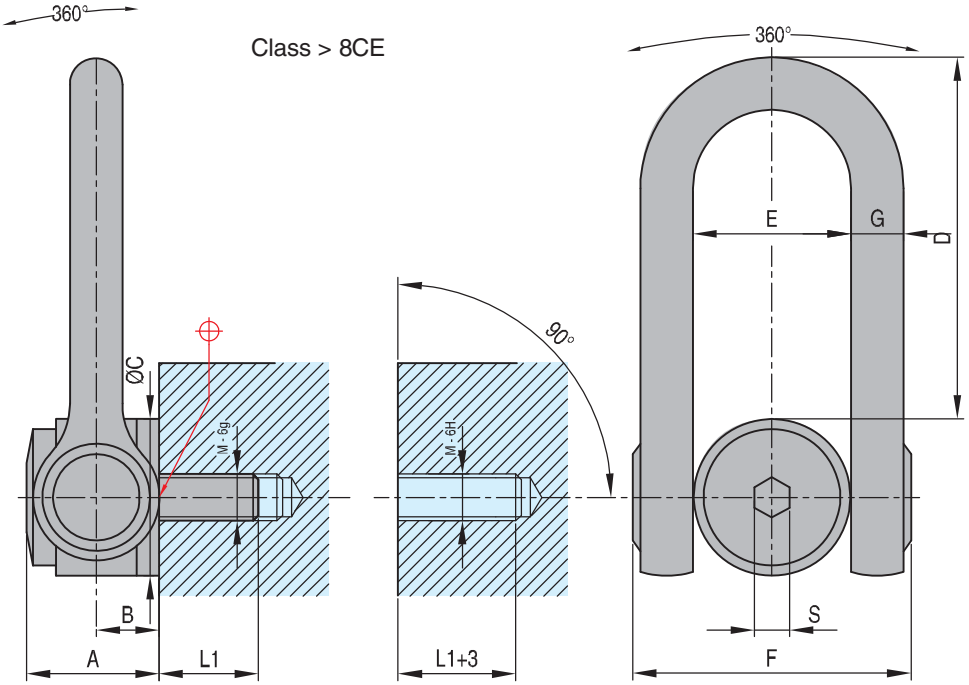
Two free articulations
Low overhang designed for total safety
Improved stability with DSS C through centering section
Perfectly symmetrical
Screwing with allen key
From M 33 to M 64 as standard; for loads 6.3 to 32.1 t
High tensile

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

DSS

Double swivel shackle



REF	P	S.F.	KT	M/ø	TL/Nm	L1	S	A	B	C	D	E	F	G
DSS M 33*	80000	5	14	M 33 (x3,5)	250	50	19	61	31	70	104	73	145	29
DSS M 36	100000	5	18	M 36 (x4)	320	54	19	61	31	70	104	73	145	29
DSS M 36x3*	100000	5	18	M 36 (x3)	320	54	19	61	31	70	104	73	145	29
DSS M 39*	100000	5	18	M 39 (x4)	320	54	19	61	31	70	104	73	145	29
DSS M 42	125000	5	20	M 42 (x4,5)	400	63	19	61	31	70	104	73	145	29
DSS M 42x3*	125000	5	20	M 42 (x3)	400	63	19	61	31	70	104	73	145	29
DSS M 45*	150000	4	22	M 45 (x4,5)	400	63	19	61	31	70	104	73	145	29
DSS M 48	200000	4	26	M 48 (x5)	600	68	19	79	38	90	125	91	184	33
DSS M 48x3*	200000	4	26	M 48 (x3)	600	68	19	79	38	90	125	91	184	33
DSS M 48x4*	200000	4	26	M 48 (x4)	600	68	19	79	38	90	125	91	184	33
DSS M 52*	200000	4	26	M 52 (x5)	600	68	19	79	38	90	125	91	184	33
DSS M 56	250000	4	28	M 56 (x5,5)	600	78	19	79	38	90	125	91	184	33
DSS M 56x4*	250000	4	28	M 56 (x4)	600	78	19	79	38	90	125	91	184	33
DSS M 64	321000	4	36	M 64 (x6)	600	90	19	79	38	95	125	91	184	33
DSS M 64x4*	321000	4	36	M 64 (x4)	600	90	19	79	38	95	125	91	184	33
DSS M 72*	321000	4	36	M 72 (x6)	600	90	19	79	38	95	125	91	184	33
DSS M 72x4*	321000	4	36	M 72 (x4)	600	90	19	79	38	95	125	91	184	33
DSS M 80*	321000	4	36	M 80 (x6)	600	90	19	79	38	95	125	91	184	33
DSS M 100*	321000	4	36	M 100 (x6)	600	90	19	79	38	95	125	91	184	33

*Non standard

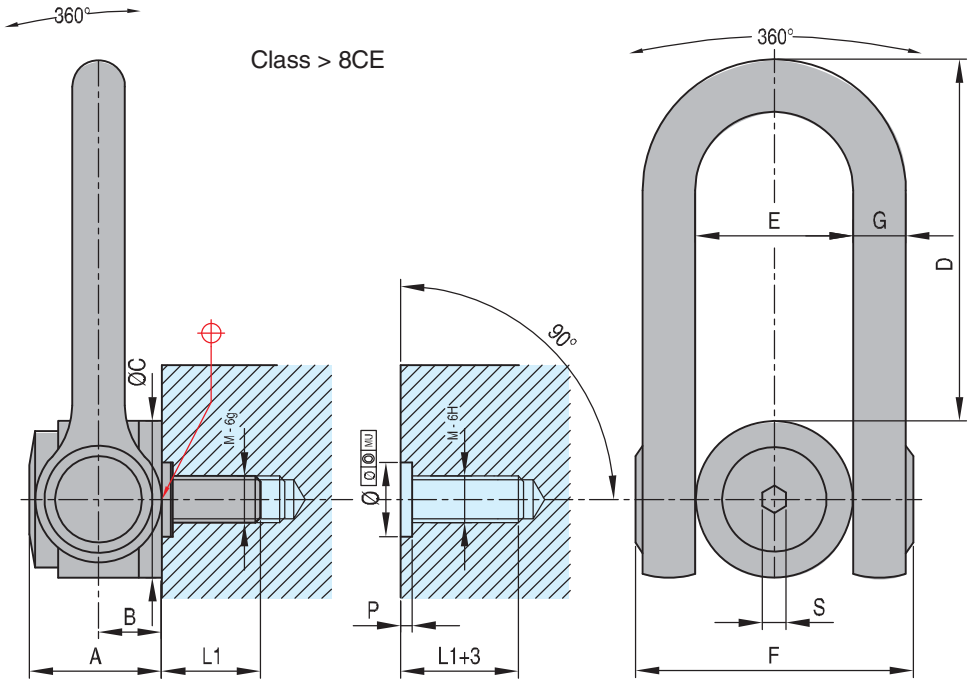
Two free articulations
Low overhang designed for total safety
Improved stability with DSS C through centering section
Perfectly symmetrical
Screwing with allen key
From M 33 to M 64 as standard; for loads 6.3 to 32.1 t
High tensile

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

Double swivel shackle with centering

DSS C



REF	P	S.F.	KT	M/ø	TL/ Nm	L	S	A	B	C	D	E	F	G	P
DSS C M 33*	8000	5	14	48 +0,10/+0,30	250	50	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 36	10000	5	18	48 +0,10/+0,30	320	54	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 36x3*	10000	5	18	48 +0,10/+0,30	320	54	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 39*	10000	5	18	48 +0,10/+0,30	320	54	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 42	12500	5	20	48 +0,10/+0,30	400	63	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 42x3*	12500	5	20	48 +0,10/+0,30	400	63	19	61	31	70	104	73	145	29	6 +0,5/+1
DSS C M 45*	15000	4	22	48 +0,10/+0,30	400	63	19	61	31	70	104	73	145	29	8 +0,5/+1
DSS C M 48	20000	4	26	64 +0,60/+0,10	600	68	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 48x3*	20000	4	26	64 +0,60/+0,10	600	68	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 48x4*	20000	4	26	64 +0,60/+0,10	600	68	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 52*	20000	4	26	64 +0,60/+0,10	600	68	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 56	25000	4	28	64 +0,60/+0,10	600	78	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 56x4*	25000	4	28	64 +0,60/+0,10	600	78	19	79	38	90	125	91	184	33	8 +0,5/+1
DSS C M 64	32100	4	36	74 +0,60/0,10	600	90	19	79	38	95	125	91	184	33	10 +0,5/+1
DSS C M 64x4*	32100	4	36	74 +0,60/0,10	600	90	19	79	38	95	125	91	184	33	10 +0,5/+1

*Non standard

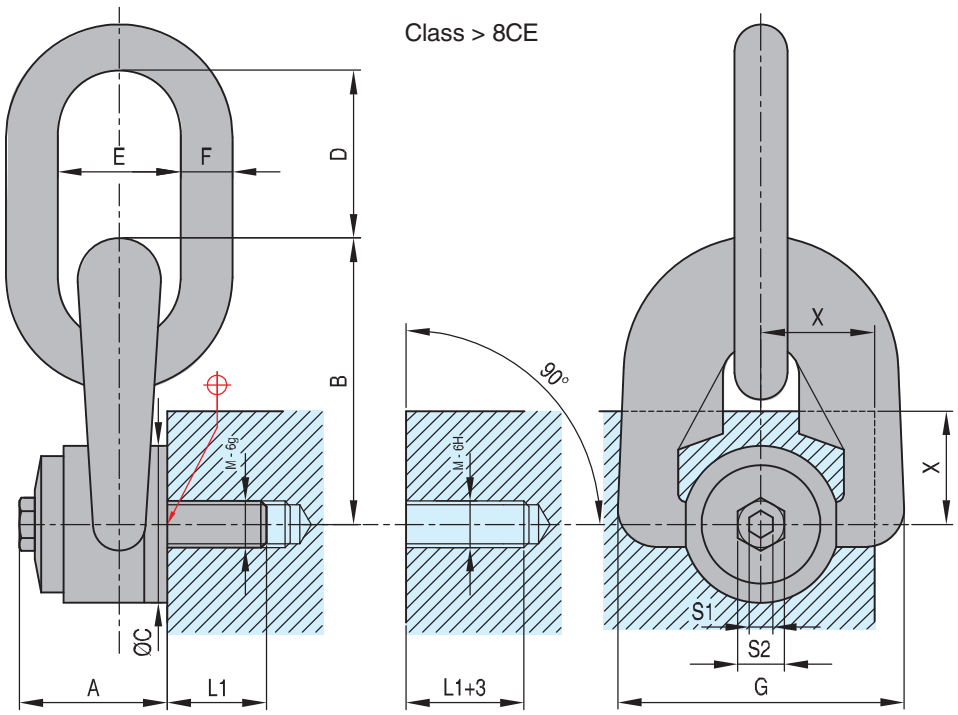
Improvement: The hook does not scrape the tool when in traction at 90°
Three free articulations
Very low overhang designed for total safety
Perfectly symmetrical
Two ways of tightening: either by open-ended spanner, or by allen key for total quality
Improved stability with TSR C through centering section
High tensile

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

TSR

Triple swivel shackle



REF	P	S.F.	KT	M/ø	TL/ Nm	L1	X	S1	S2	A	B	C	D	E	F	G
TSR M 8	3000	5	4	M 8 (x1,25)	6	14	18	8	16	33	56	30	41	25	10	58
TSR M 10	6000	5	5	M 10 (x1,50)	10	17	18	8	16	33	56	30	41	25	10	58
TSR M 12	10000	5	6	M 12 (x1,75)	15	21	18	8	16	33	56	30	41	25	10	58
TSR M 14*	13000	5	6	M 14 (x2)	30	23	24	8	20	45	76	45	56	37	14	79
TSR M 16	16000	5	7	M 16 (x2)	50	27	24	8	20	45	76	45	56	37	14	79
TSR M 18*	20000	5	7	M 18 (x2,5)	70	27	28	8	20	45	76	45	56	37	14	79
TSR M 20	25000	5	9	M 20 (x2,5)	100	30	28	8	20	45	81	45	56	37	14	79
TSR M 22*	30000	5	9	M 22 (x2,5)	120	33	45	14	24	62	105	60	80	45	20	106
TSR M 24	40000	5	11	M 24 (x3)	160	36	45	14	24	62	105	60	80	45	20	106
TSR M 27*	50000	5	13	M 27 (x3)	160	36	45	14	24	62	105	60	80	45	20	106
TSR M 30	63000	5	14	M 30 (x3,5)	250	45	45	14	24	62	105	60	80	45	20	106
TSR M 36	100000	5	18	M 36 (x4)	320	54	54	19	30	81	140	80	111	71	30	148
TSR M 42	125000	5	20	M 42 (x4,5)	400	63	58	19	30	84	146	80	111	71	30	148
TSR M 48	200000	4	26	M 48 (x5)	600	68	69	19	30	100	178	110	135	90	42	180
TSR M 56	220000	4	36	M 56 (x5,5)	600	78	73	19	30	104	184	110	135	90	42	190

*Non-Standard

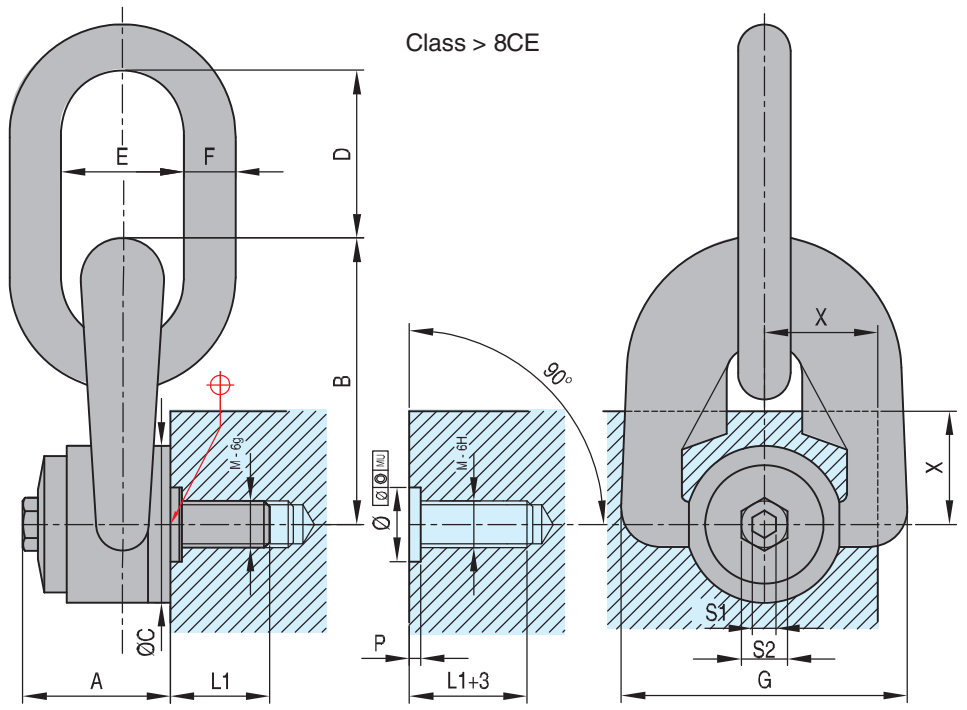
Improvement: The hook does not scrape the tool when in traction at 90°
Three free articulations
Very low overhang designed for total safety
Perfectly symmetrical
Two ways of tightening: either by open-ended spanner, or by allen key for total quality
Improved stability with TSR C through centering section
High tensile

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

Triple swivel shackle with centering

TSR C



REF	P	S.F.	KT	M/ø	TL/ Nm	L1	X	S1	S2	A	B	C	D	E	F	G	P
TSR C M 8	3000	5	4	16 0/+0,25	14	58	16	6	8	33	33	56	30	41	25	10	3 +0,5/+1
TSR C M 10	6000	5	5	20 0/+0,25	17	58	16	10	8	33	33	56	30	41	25	10	3 +0,5/+1
TSR C M 12	10000	5	6	20 0/+0,25	21	58	16	15	8	33	33	56	30	41	25	10	3 +0,5/+1
TSR C M 14	13000	5	6	20 0/+0,25	30	23	24	8	20	45	76	45	56	37	14	79	3 +0,5/+1
TSR C M 16	16000	5	7	20 0/+0,25	50	27	24	8	20	45	76	45	56	37	14	79	3 +0,5/+1
TSR C M 18	20000	5	7	30 0/+0,30	27	79	20	70	8	45	45	76	45	56	37	14	3 +0,5/+1
TSR C M 20	25000	5	9	30 0/+0,30	30	79	20	100	8	45	45	81	45	56	37	14	3 +0,5/+1
TSR C M 22	30000	5	9	30 0/+0,30	33	106	24	120	14	62	62	105	60	80	45	20	4 +0,5/+1
TSR C M 24	40000	5	11	30 0/+0,30	160	36	45	14	24	62	105	60	80	45	20	106	4 +0,5/+1
TSR C M 27	50000	5	13	36 0/+0,30	160	36	45	14	24	62	105	60	80	45	20	106	4 +0,5/+1
TSR C M 30	63000	5	14	36 0/+0,30	45	106	24	250	14	62	62	105	60	80	45	20	4 +0,5/+1
TSR C M 36	100000	5	18	48 +0,10/+0,50	320	54	54	19	30	81	140	80	111	71	30	148	6 +0,5/+1
TSR C M 42	125000	5	20	48 +0,10/+0,50	63	148	30	400	19	84	84	146	80	111	71	30	6 +0,5/+1
TSR C M 48	200000	4	26	64 +0,10/+0,60	600	68	69	19	30	100	178	110	135	90	42	180	8 +0,5/+1
TSR C M 56	220000	4	36	64 +0,10/+0,60	78	190	30	600	19	104	104	184	110	135	90	42	8 +0,5/+1

*Non standard

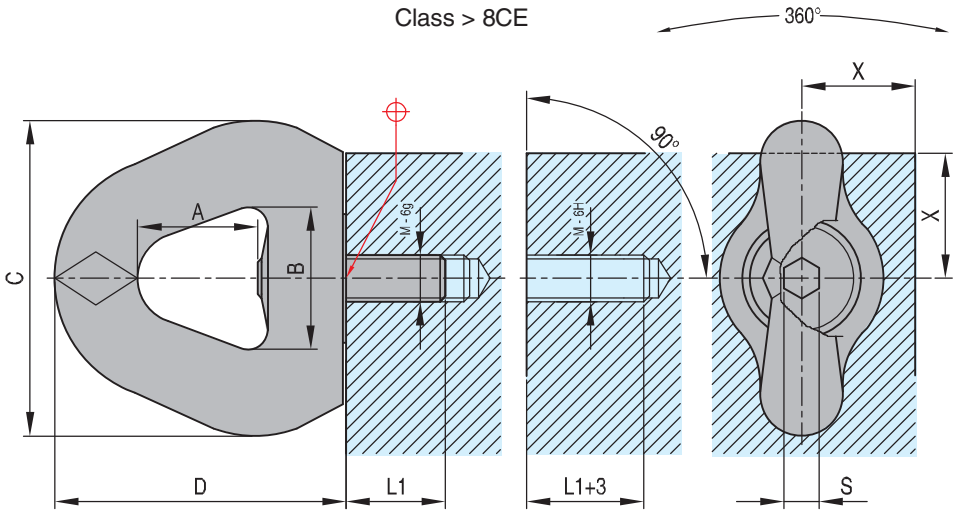
One free articulation
Very low overhang for increased safety
Automatic realignment of the ring when in traction in 90°
Large support surface for a very high resistance
Improved stability with SEB C through centering section
High tensile

P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

SEB

Swivel eye bolt



REF	P	S.F.	KT	M/ø	TL/Nm	L1	X	S	A	B	C	D
SEB M 16	16000	5	7	M 16 (x2)	50	27	35	8	38	45	90	78
SEB M 20	25000	5	9	M 20 (x2,5)	100	30	35	8	38	45	90	78
SEB M 24	40000	5	11	M 24 (x3)	160	36	50	14	58	70	134	115
SEB M 30	63000	5	14	M 30 (x3,5)	250	45	50	14	58	70	134	115
SEB M 36	100000	5	18	M 36 (x4)	320	54	70	14	88	94	190	166
SEB M 42	125000	5	20	M 42 (x4,5)	400	63	70	14	88	94	190	166

*Non-Standard

One free articulation
Very low overhang for increased safety
Automatic realignment of the ring when in traction in 90°
Large support surface for a very high resistance
Improved stability with SEB C through centering section
High tensile

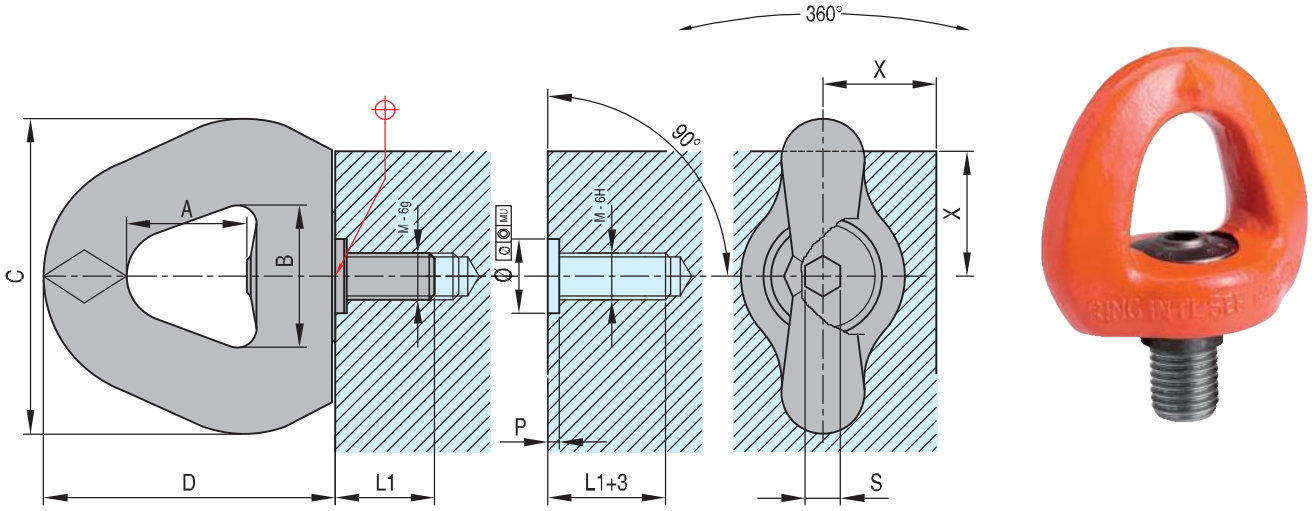
P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

Swivel eye bolt with centering

SEB C

Class > 8CE



REF	P	S.F.	KT	M/ø	TL/Nm	L1	X	S	A	B	C	D	P
SEB C M 16	16000	5	7	20 0/+0,25	50	27	35	8	38	45	90	78	3 +0,5/+1
SEB C M 20	25000	5	9	30 0/+0,25	100	30	35	8	38	45	90	78	3 +0,5/+1
SEB C M 24	40000	5	11	30 0/+0,30	160	36	50	14	58	70	134	115	4 +0,5/+1
SEB C M 30	63000	5	14	36 0/+0,30	250	45	50	14	58	70	134	115	4 +0,5/+1
SEB C M 36	100000	5	18	48 +0,50/+0,10	320	54	70	14	88	94	190	166	6 +0,5/+1
SEB C M 42	125000	5	20	48 +0,50/+0,10	400	63	70	14	88	94	190	166	6 +0,5/+1

One free articulation
Very low overhang for increased safety
Automatic realignment of the ring when in traction in 90°
Large support surface for a very high resistance
Improved stability with SEB C through centering section
High tensile

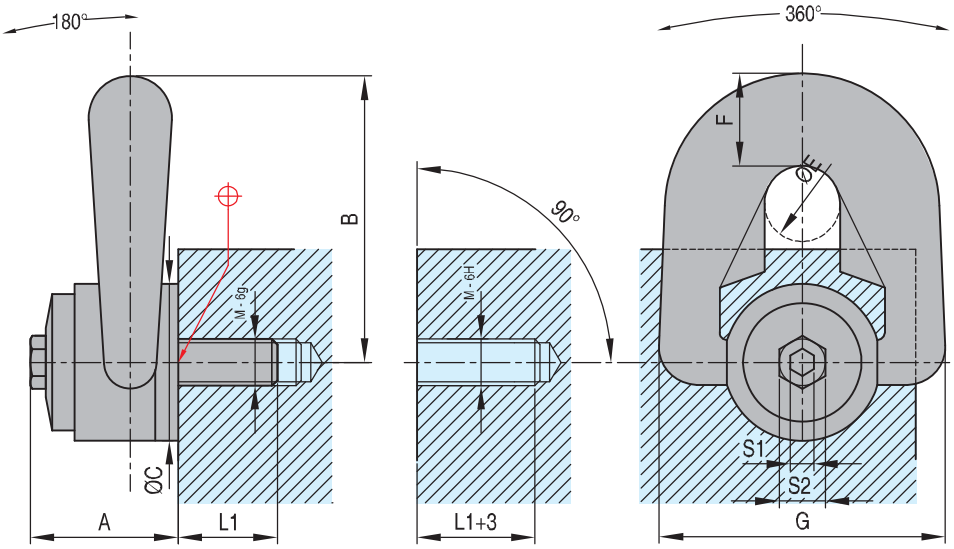
P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

DSP

Double swivel lifting bolt

Class > 8CE



REF	P	S.F.	KT	M/ø	TL/Nm	L1	S1	S2	A	B	C	E	F	G
DSP M 8	3000	5	4	M 8 (x1,25)	6	14	8	16	33	56	30	19	19	58
DSP M 10	6000	5	5	M 10 (x1,50)	10	17	8	16	33	56	30	19	19	58
DSP M 12	10000	5	6	M 12 (x1,75)	15	21	8	16	33	56	30	19	19	58
DSP M 14*	13000	5	6	M 14 (x2)	30	23	8	20	45	76	45	25	27	79
DSP M 16	16000	5	7	M 16 (x2)	50	27	8	20	45	76	45	25	27	79
DSP M 18*	20000	5	7	M 18 (x2,5)	70	27	8	20	45	76	45	25	27	79
DSP M 20	25000	5	7	M 20 (x2,5)	100	30	8	20	45	81	45	25	27	79

*Non standard

Two free articulations
Very low overhang for improved safety
Automatic realignment of the ring when in traction 90°
Large support surface for a very high Resistance
Two ways of tightening: either by open-ended spanner, or by allen key
Improved stability with DSR C through centering sectionP= max load in Newton

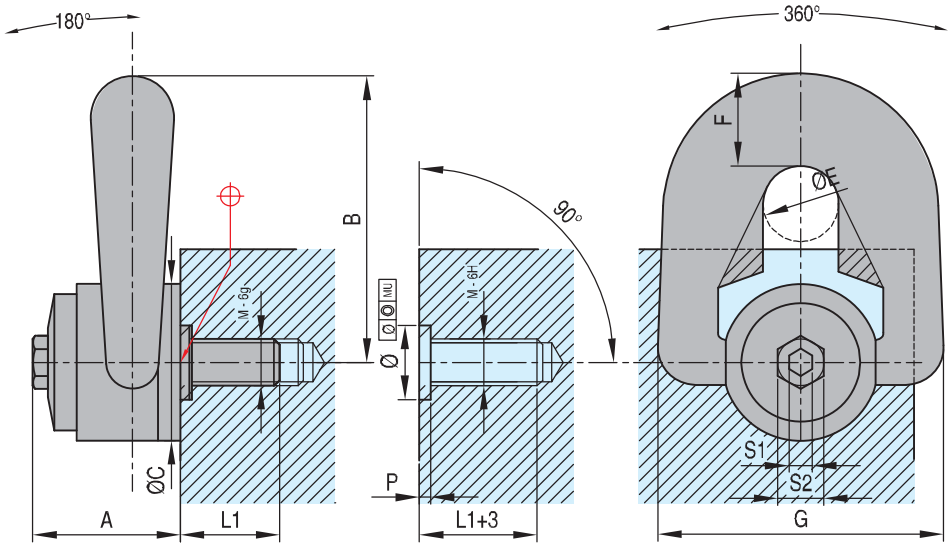
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

Double swivel lifting bolt with centering

DSP C

Class > 8CE



REF	P	S.F.	KT	M/ø	TL/ Nm	L1	S1	S2	A	B	C	E	F	G	P
DSP C M 8	3000	5	4	16 0/+0,25	6	14	8	16	33	56	30	19	19	58	3 +0,5/1
DSP C M 10	6000	5	5	20 0/+0,25	10	17	8	16	33	56	30	19	19	58	3 +0,5/1
DSP C M 12	10000	5	6	20 0/+0,25	15	21	8	16	33	56	30	19	19	58	3 +0,5/1
DSP C M 14	13000	5	6	20 0/+0,25	30	23	8	20	45	76	45	25	27	79	3 +0,5/1
DSP C M 16	16000	5	7	20 0/+0,25	50	27	8	20	45	76	45	25	27	79	3 +0,5/1
DSP C M 18	20000	5	7	30 0/+0,30	70	27	8	20	45	76	45	25	27	79	3 +0,5/1
DSP C M 20	25000	5	7	30 0/+0,30	100	30	8	20	45	81	45	25	27	79	3 +0,5/1

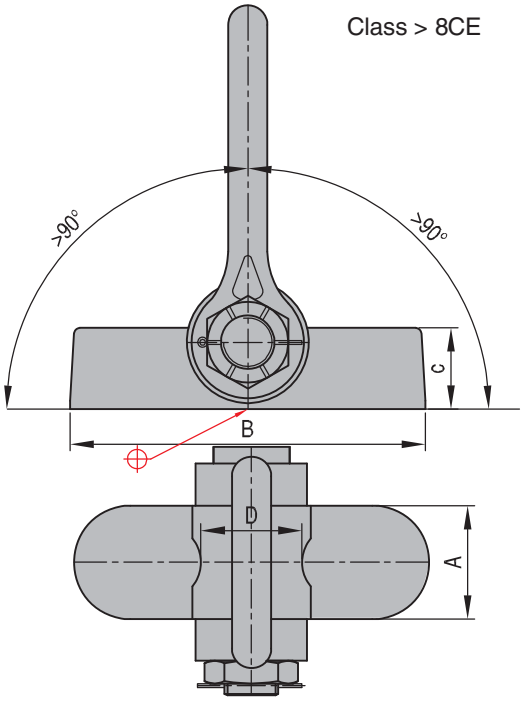
Two free articulations
Very low overhang for improved safety
Automatic realignment of the ring when in traction 90°
Large support surface for a very high Resistance
Two ways of tightening: either by open-ended spanner, or by allen key
Improved stability with DSR C through centering section

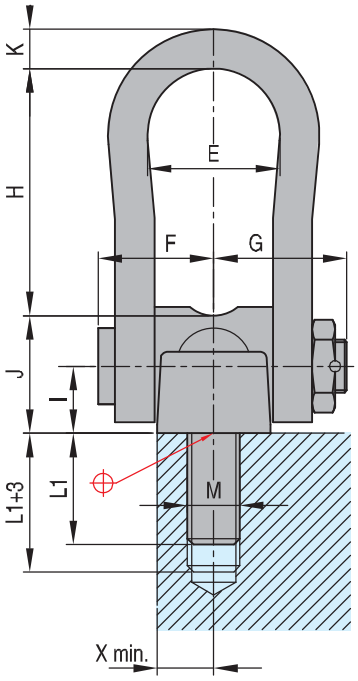
P= max load in Newton
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

CSS

Central safety shackle for dispose on press





REF	X	A	B	C	D	E	F	G	H	I	J	K	Kg
CSS	40 (mini)	80	330	50	62	90	88	98	132	38	76	41	17

"A compact, lightweight solution for removing the mold from the press

Indicative table for fastening with socket head screws DIN 912-12.9

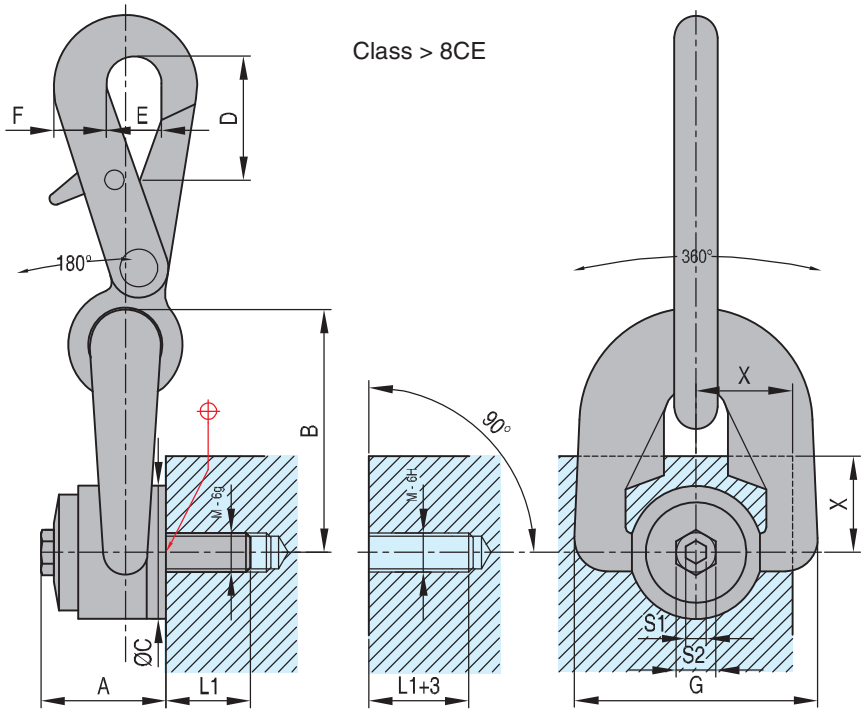
Head mm	Ø mm	Height mm	* mm	WLL Max. daN	N.m.
M 36	54	36	54	9600	600
M 30	45	30	45	6600	420
M 24	36	24	36	4100	200
M 20	30	20	30	2800	150

* Minimum effective thread length

17/09/2012

Double swivel hook

DSH



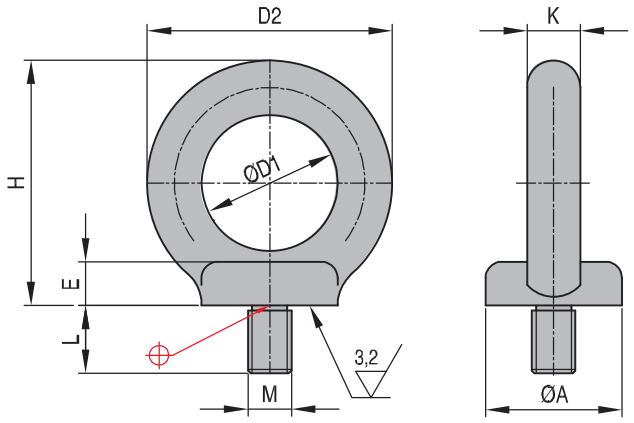
REF	A	B	C	D	E	F	G	L1	M/ø	TL/Nm	Kg	S1	S2	P	S.F.
DSH M8	33	56	30	44	32	23	58	14	M8 (x1,25)	6	0,8	8	16	0,3	5
DSH M10	33	56	30	44	32	23	58	17	M10 (x1,50)	10	0,8	8	16	0,6	5
DSH M12	33	56	30	44	32	23	58	21	M12 (x1,75)	15	0,8	8	16	1,0	5
DSH M14*	45	76	45	58	29	29	79	23	M14 (x2)	30	1,9	8	20	1,3	5
DSH M16	45	76	45	58	29	29	79	27	M16 (x2)	50	2,0	8	20	1,6	5
DSH M18*	45	76	45	58	29	29	79	27	M18 (x2,5)	70	2,0	8	20	2,0	5
DSH M20	45	81	45	58	29	29	79	30	M20 (x2,5)	100	2,0	8	20	2,5	5

P= max load in TO
SF=safety factor
KT= chain classification number
TL= recommended tightening torque in NewtonMetre

17/09/2012

RM

Eyebolts 1.7131 60 HRC



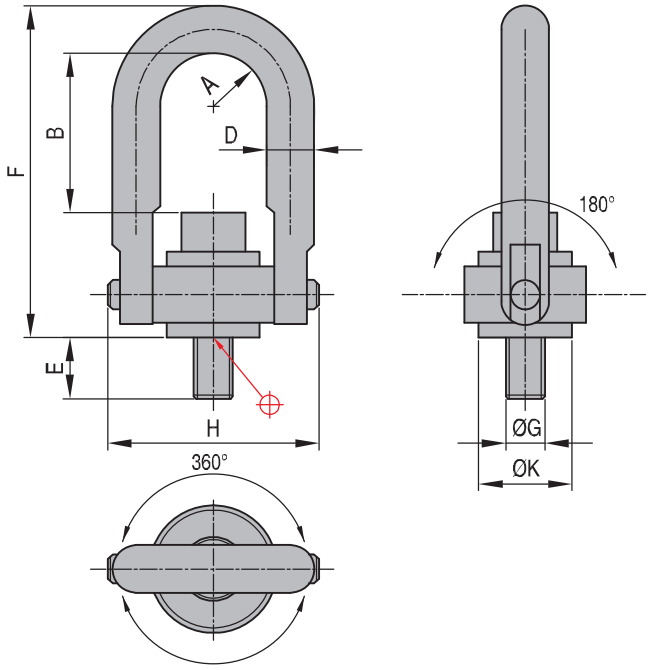
REF	A	D1	D2	L	H	(N)	K	M
RM 8	20	20	36	13,0	36	1400	8	M8 x 1,25
RM 10	25	25	45	17,0	45	2300	10	M10 x 1,50
RM 12	30	30	54	20,5	53	3400	12	M12 x 1,75
RM 14	35	35	63	27,0	62	4900	14	M14 x 2,00
RM 16	35	35	63	27,0	62	7000	14	M16 x 2,00
RM 18	40	40	72	30,0	71	9000	16	M18 x 2,50

REF	A	D1	D2	L	H	(N)	K	M
RM 20	40	40	72	30,0	71	12000	16	M20 x 2,50
RM 22	45	45	92	34,0	90	15000	18	M22 x 2,50
RM 24	50	50	90	36,0	90	18000	20	M24 x 3,00
RM 27	50	50	90	36,0	90	18000	20	M27 x 3,00
RM 30	65	60	108	45,0	109	36000	24	M30 x 3,50
RM 36	75	70	126	54,0	128	51000	28	M36 x 4,00

17/09/2012

Hoist rings - CE

SHR - SHRR



REF	A	B	D	E	F	G	H	K	TL (Kgm)	P (Kg)	W (Kg)
SHR 0001	0,43	1 1/4"	0,38	9/16	2,67	5/16"-18	1,84	0,75	1	360	0,15
SHR 0002	0,43	1 1/4"	0,38	9/16	2,67	3/8"-16	1,84	0,75	1,6	450	0,15
SHR 0003	0,88	2 3/8"	0,75	3/4	4,78	1/2"-13	3,52	1,5	3,8	1130	1,05
SHR 0004	0,88	2 1/4"	0,75	1	4,78	5/8"-11	3,52	1,5	8,3	1810	1,10
SHR 0005	0,88	2 1/8"	0,75	1	4,78	3/4"-10	3,52	1,5	13,8	2260	1,16
SHR 0006	1,44	2 11/16"	1	1 1/2"	6,52	1-8	5,14	2,31	31,7	4525	3,17
SHR 0007	1,75	4 1/4"	1,25	1 7/8"	8,73	1 1/4"-7	6,5	3,19	64,8	6785	6,34
Repair kit - screw & retainer ring											
REF	**G**										
SHRR 0001	5/16-18										
SHRR 0002	3/8-16										
SHRR 0003	1/2-13										
SHRR 0004	5/8-11										
SHRR 0005	3/4-10										
SHRR 0006	1-8										
SHRR 0007	1 1/4-7										

Features
-Pivots and swivels to compensate for pitch, roll and sway when lifting heavy or unbalanced loads.
-High strength alloy steel with minimum tensile strenght of 1,250 MPa (125 kg/mm^2)
-Certified heat treatment with 100% Magnaflux inspection.
-Corrosion resistant plating.
-Maximum operating temperature 200°C
-Safety factor is 5 times the rated load in any direction.

Note
-standard tolerance: ±0,8 mm
-E=the use of spacers between bushing flange and mounting surface is not recommended as this will reduce the safety load rating.
-TL=recommended torque load +25% - 0.
-P=rated
-W=weight

10/03/2011