



An ISO 9001 : 2015 Certified Co.

CATALOGUE



MANUFACTURER & EXPORTERS

FORGING & MACHINED COMPONENTS, FARM PARTS, TRACTOR PARTS, AGRICULTURAL MACHINERY PARTS, TOWING PARTS, LIFTING PARTS, AUTO PARTS, HAND TOOLS,

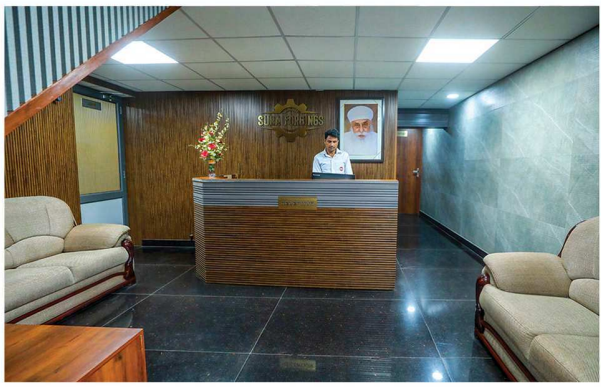
Forgings & Machining



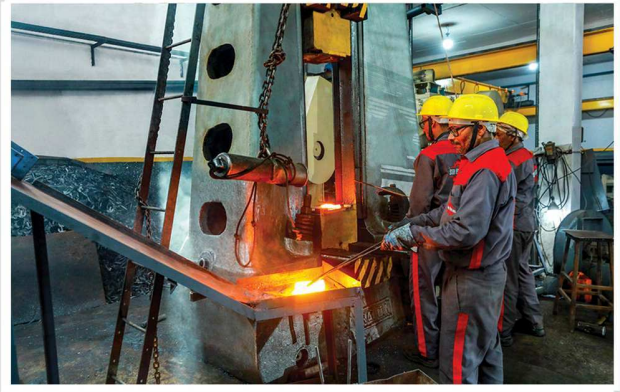
SURA FORGINGS is a global Manufacturer and Exporter of an optimum quality range of **Forging & Machined Components, Farm Parts, Tractor Parts, Agricultural Machinery Parts, Towing Parts, Lifting Parts, Auto Parts, Hand Tools, Scaffolding and Automotive Parts**. Sura Group was established in the year 1975 in Ludhiana to meet the growing needs of the market and produce high quality products. The company believes in satisfying customer by providing Timely Delivery of Quality Products and is committed to Comply with Customers Requirements & Continually Improve the Effectiveness of the Quality Management System. Plants hum with totally modernistic equipment heralding the future in technology in the field of forging & machining Work. It has complete in house facilities to perform the different function of Manufacturing, Processing, Machining, Heat Treatment and testing, company offers a wide range of products for Domestic market and for Overseas Market. To ensure quality improvement every day, education and training is imparted to the staff..

Quality is the most import part of growth of any industry and we understand the value of same, And that's why Sura Forgings has set stringent quality management system which deliver effective, efficient Products A dedicated team of quality controller consistently monitors the stage wise each aspect of Products and Production processes, each day they put efforts harder and harder to make an improvement in quality of products for customer satisfaction .

INFRASTRUCTURE



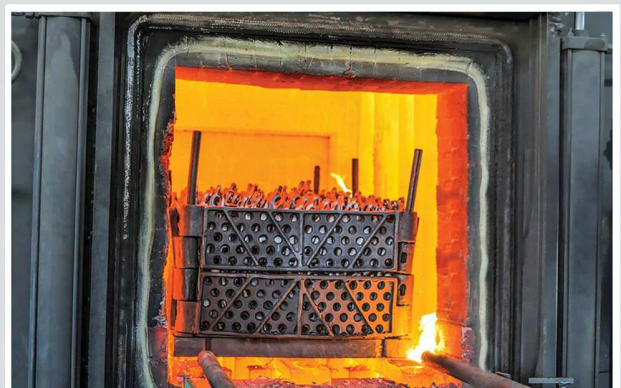
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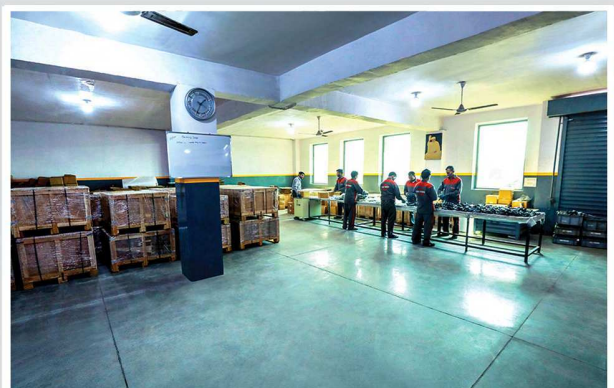
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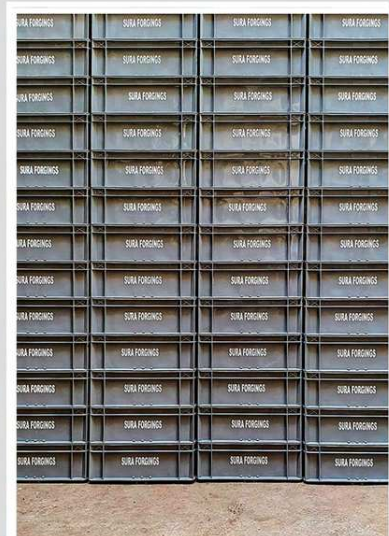
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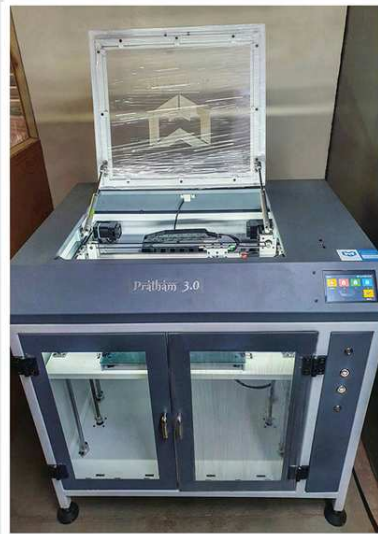
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INFRASTRUCTURE



INFRASTRUCTURE



Certifications



PAGE 01-04	FORGED FINGERS / PRONG / KNIFE GUARDS
PAGE 05	FORGED KNIFE HEAD FORGED BRACKET
PAGE 06-07	BLADES
PAGE 08	TAIL WHEEL WITH CASTER FORKS - SPIKES - HARROW TOOTH - FORGED CLAMPS
PAGE 09	FORGED COMBINE PARTS
PAGE 10	SPROCKETS
PAGE 11	CHAINS - PTO SHAFTS
PAGE 12	YOKES - UNIVERSAL JOINT CROSS
PAGE 13	AGRICULTURE SHOWELS
PAGE 14	DISC BLADE
PAGE 15	DISC HARROW AXLE - AXLE PLATE -BLADE BOLT WITH NUT & WASHER
PAGE 16-17	AGRICULTURAL IMPLEMENTS
PAGE 18	RASP BAR
PAGE 19	HAMMER BLADES
PAGE 20	TRAILER HITCH BALL -BALL MOUNT
PAGE 21	TRAILER HINGES
PAGE 22	TIE DOWN RING - LATCHES
PAGE 23	PARASHUTE HOOK
PAGE 24	AUGUR TOOTH
PAGE 25	HOOKS - LOCK - BLOCK
PAGE 26	CLEVISES - DRAWBAR GRAB HOOK - TURN BUCKLE
PAGE 27	HOOK - CHAIN
PAGE 28	BOW SHACKLE NUT BOLT/SCREW PIN - DEE SHACKLE NUT BOLT/SCREW PIN - GRAB HOOK ALLOY
PAGE 29	EYE HOOK - CLEVIS HOOK - EYE BOLT
PAGE 30	FORGINGS
PAGE 31-33	TOP LINK ASSEMBLIES (UNC) - TOP LINK ASSEMBLIES (METRIC)
PAGE 34	TOP LINK ASSEMBLIES (METRIC) - TOP LINK ASSEMBLIES WITH ARTICULATED YOKE
PAGE 35	TOP LINK END (UNC) - TOP LINK END (HEAVY DUTY) - TOP LINK END (REPLACE FORD)
PAGE 36	TOP LINK END (METRIC)
PAGE 37	KNUCKLE END W/O SPINDLE WITH PIN - ARTICULATED YOKE END
PAGE 38	ARTICULATED YOKE SPINDLE - 3 POINT KIT FOR MINI TRACTOR
PAGE 39-42	WELD ON END
PAGE 43	WELD ON END WITH SLOT / WITH BASE - LOWER LINK (REPLACES URSUS) / (STANDARD)
PAGE 44	LOWER LINK BALL

PAGE 45	TOP LINK BALL
PAGE 46	BALL (DOUBLE BORE) - BALL WITH CUT - SPACER -GUIDE CONE BALL
PAGE 47-48	STABILIZER ASSEMBLY - CHAIN ASSEMBLY - SIDE CHAIN LINK
PAGE 49	STABILIZER HEAD
PAGE 50-51	DRAW BAR
PAGE 52	ADJUSTABLE LEVELLING ARM
PAGE 53	CLEVIS PINS
PAGE 54	TOP LINK PIN
PAGE 55	UNIVERSAL CLEVIS PIN - CYLINDER PIN - STANDARD CLEVIS PIN
PAGE 56	LOWER LINK PIN
PAGE 57	DOUBLE MOUNTING PIN - TOP LINK PIN WITH LINCH PIN / W/O HEAD - IMPLEMENT MOUNTING PIN
PAGE 58	DOUBLE IMPLEMENT MOUNTING PIN - WELD ON END MOUNTING PIN - IMPLEMENT PIN
PAGE 59	HITCH PIN WITH LINCH PIN & CHAIN
PAGE 60	HITCH PIN WITH HAIR PIN - HITCH PIN (TEMPLE HANDLE)
PAGE 61	HITCH PIN
PAGE 62	RED HANDLE HITCH PIN - ORANGE HITCH PIN WITH HAIR PIN
PAGE 63	BENT HANDLE HITCH PIN - BENT TYPE HITCH PIN - WIRE LOCK HITCH PIN - SQUARE HEAD PIN
PAGE 64	FISH PIN
PAGE 65-67	LITCH PIN
PAGE 68	SNAP PIN WIRE
PAGE 69-70	HAIR PIN / CLIPS
PAGE 71	SPLIT PIN
PAGE 72	COTTER PIN
PAGE 73	BUSHES
PAGE 74	EXHAUST CLAMP - ELECTRICALS FOR TRACTOR
PAGE 75	U-BOLTS
PAGE 76-78	PARKING JACKS
PAGE 79	LUBRICATING EQUIPMENTS
PAGE 80-88	FASTENERS
PAGE 89	FORGED RAILHEAD AND SPEARHEADS
PAGE 90	FORMWORK ACCESSORIES
PAGE 91	BEARINGS - TYRES - BELTS
PAGE 92-93	HAND TOOLS

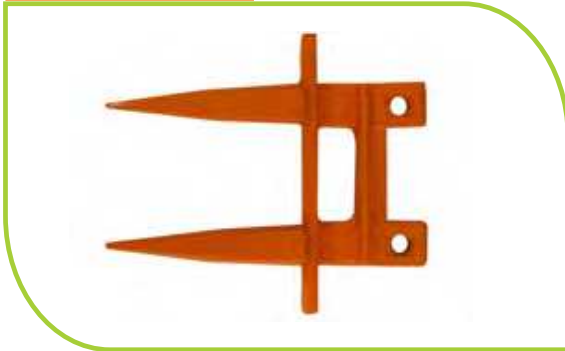
SFG 01 - 676235



SFG 02 - 626295.1



SFG 03 - 379720



SFG 04 - H61954



SFG 05 - Z11228



SFG 06 - H229537



SFG 07 - H229538



SFG 08 - 519600



SFG 09 - 118344



SFG 10 - BCS27624



SFG 11 - 8040083



SFG 12 - 44104500



SFG 13 - 522182.1



SFG 14 - 626296.1



SFG 15 - 87702973



SFG 16 - 3820015



SFG 17 - 640590M91



SFG 18 - A874A



SFG 19 - A847B



SFG 20 - Bu290



SFG 21 - Bu220



SFG 22 - BU215A



SFG 23 - Bu221



SFG 24 - Bu245



SFG 25 - Bu270**SFG 26 - Bu260****SFG 27 - bu290****SHEET METAL FINGERS/PRONG/KNIFE GUARDS****SFG 28 - 410100001****SFG 29 - Z11785**

**WE ALSO DEVELOP FINGER GUARDS AS PER
CUSTOMER SPECIFICATIONS**

**FORGED BRACKETS**

**WE ALSO FORGE BRACKETS AS PER CUSTOMER
DRAWING AND SPECIFICATIONS**

ITEM CODE	PRODUCTS	MODEL/OEM NO.	NAME	NET WT.	DIMENSIONS
SB 01		DEUTZ FAHR 18891	BLADE FOR FINGER FR T & 2 HOLE	0.097KG	-----
SB 02		CLAAS 978241.4 GRENE	BLADE FOR ROTARY MOWER	0.073KG	40WX96LX3TH MM
SB 03		CLAAS HOLE 21 104004.1	BLADE FOR ROTARY MOWER	0.098KG	47WX106LX3TH MM
SB 04		CLAAS 580224721	SMALL BLADE	0.050KG	-----
SB 05		CLAAS 611316	BLADE FOR FINGER	0.088KG	76WX84LX2.8 TH MM
SB 06		JOHN DEERE	BLADE FOR FINGER RR TEETH	0.048KG	75WX80LX2TH MM
SB 07		JOHN DEERE	BLADE FOR FINGER FULL RR TEETH	0.049KG	75WX80LX2TH MM
SB 08		JOHN DEERE 55903310	BLADE TWISTED	---	45WX107LX4TH MM
SB 09		JOHN DEERE 18677	BLADE FOR FINGER FR TEETH	0.089KG	TH 2.7MM
SB 10		JOHN DEERE 45328	BLADE FOR FINGER FRT & 2 HOLE	0.079KG	75WX80LX2TH
SB 11		JOHN DEERE 500085 54010	BLADE FOR FINGER	0.065KG	---
SB 12		FIAT/NEW HOLLAND 43282	BLADE FOR FINGER FR TEETH	0.084KG	75WX80LX2TH MM
SB 13		195206	BLADE FOR FINGER SINGLE	0.037KG	3.14X36.5X63.4MM

ITEM CODE	PRODUCTS	MODEL/OEM NO.	NAME	NET WT.	DIMENSIONS
SB 14		---	BLADE FOR FINGER	0.037KG	2.5X76X80MM
SB 15		60623	BLADE FR TEETH 5 HOLE	0.140KG	---
SB 16		500088 53010	BLADE FOR FINGER	0.100KG	76WX88LX2.88 TH MM
SB 17		4000755100	BLADE FOR FINGER	0.058KG	76WX75LX2.1TH MM
SB 18		---	BLADE FOR FINGER	0.066KG	76WX81LX2TH MM
SB 19		5036010450	BLADE FOR COMBINE	0.075KG	40WX93LX3TH MM
SB 20		60624	BLADE FOR FR TEETH W/PIN	0.147KG	----
SB 21		104004.1	BLADE REAR TEETH FULL	0.060KG	76WX80LX2TH MM
SB 22		---	BLADE FOR FINGER	0.077KG	76WX80LX2.5 TH MM
SB 23		---	BLADE FOR FINGER	0.077KG	76WX80LX2.5 TH MM
SB 24		---	BLADE	3.188KG	490X107.5X10 MM
SB 25		60624	BLADE FR TEETH W/ PIN	0.147KG	----

TAIL WHEEL WITH CASTER FORKS

CODE	DIA	WIDTH
STW15	15"	4"
STW21	21"	6"
STW15 WF	15"	4" with fork



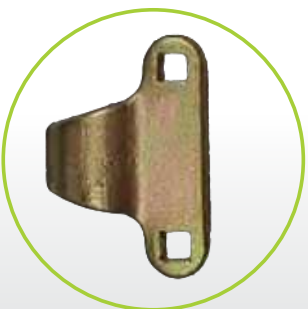
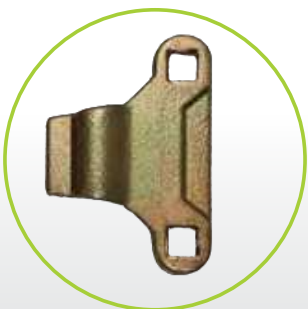
SPIKES



HARROW TOOTH



FORGED CLAMPS





**WE ALSO FORGE
COMBINE PARTS
AS PER CUSTOMER
SPECIFICATIONS.**



WE ALSO MANUFACTURE SPROCKETS AS PER CUSTOMER SPECIFICATIONS.

CHAINS

SURA FORGINGS



PTO SHAFT





UNIVERSAL JOINT CROSS





DISK BLADE

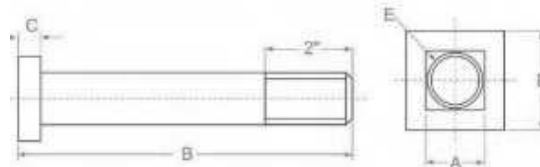
For Harrows, Plows, Seeders & Coulters

MATERIAL AVAILABLE IN CARBON STEEL, BORON STEEL AND 65Mn

CODE	Diameter		Type	Thick mm	Concavity
	INCH	MM			
SHD1603S	16	410	SMOOTH	3	37
SHD1603N	16	410	NOTCHED	3	37
SHD1803S	18	460	SMOOTH	3	46
SHD1803N	18	460	NOTCHED	3	46
SHD1835S	18	460	SMOOTH	3.5	46
SHD1835N	18	460	NOTCHED	3.5	46
SHD2035S	20	510	SMOOTH	3.5	57
SHD2035N	20	510	NOTCHED	3.5	57
SHD2245S	22	560	SMOOTH	4.5	68
SHD2245N	22	560	NOTCHED	4.5	68
SHD2206S	22	560	SMOOTH	6	68
SHD2206N	22	560	NOTCHED	6	68
SHD2445S	24	610	SMOOTH	4.5	81
SHD2445N	24	610	NOTCHED	4.5	81
SHD2406S	24	610	SMOOTH	6	81
SHD2406N	24	610	NOTCHED	6	81
SHD2605S	26	660	SMOOTH	5	97
SHD2605N	26	660	NOTCHED	5	97
SHD2606S	26	660	SMOOTH	6	97
SHD2606N	26	660	NOTCHED	6	97
SHD2806S	28	712	SMOOTH	6	102
SHD2806N	28	712	NOTCHED	6	102
SHD2808S	28	712	SMOOTH	8	102
SHD2808N	28	712	NOTCHED	8	102



Code	Dim.	Dim.	Dim.	Dim.	Thread
	A	B	C	D	E
SDHA01	7/8"	22"	1/2"	1-3/8"	7/8" UNC
SDHA02	7/8"	22-1/2"	1/2"	1-3/8"	7/8" UNC
SDHA03	7/8"	25-1/4"	1/2"	1-3/8"	7/8" UNC
SDHA04	7/8"	26"	1/2"	1-3/8"	7/8" UNC
SDHA05	7/8"	30-1/2"	1/2"	1-3/8"	7/8" UNC
SDHA06	7/8"	33"	1/2"	1-3/8"	7/8" UNC
SDHA07	7/8"	39-1/8"	1/2"	1-3/8"	7/8" UNC
SDHA08	7/8"	40-1/4"	1/2"	1-3/8"	7/8" UNC
SDHA09	7/8"	41-3/4"	1/2"	1-3/8"	7/8" UNC
SDHA10	1"	19"	1/2"	1-1/2"	1" UNC
SDHA11	1"	26-1/2"	1/2"	1-1/2"	1" UNC
SDHA12	1"	34"	1/2"	1-1/2"	1" UNC
SDHA13	1-1/8"	12"	1/2"	1-5/8"	1-1/8" UNC
SDHA14	1-1/8"	26-1/4"	1/2"	1-5/8"	1-1/8" UNC
SDHA15	1-1/8"	22"	1/2"	1-5/8"	1-1/8" UNC
SDHA16	1-1/8"	31"	1/2"	1-5/8"	1-1/8" UNC
SDHA17	1-1/8"	31-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA18	1-1/8"	34"	1/2"	1-5/8"	1-1/8" UNC
SDHA19	1-1/8"	40"	1/2"	1-5/8"	1-1/8" UNC
SDHA20	1-1/8"	40-1/4"	1/2"	1-5/8"	1-1/8" UNC
SDHA21	1-1/8"	42"	1/2"	1-5/8"	1-1/8" UNC
SDHA22	1-1/8"	49-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA23	1-1/8"	56-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA24	1-1/8"	58-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA25	1-1/8"	64"	1/2"	1-5/8"	1-1/8" UNC
SDHA26	1-1/8"	67-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA27	1-1/8"	71-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA28	1-1/8"	76-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA29	1-1/8"	79"	1/2"	1-5/8"	1-1/8" UNC
SDHA30	1-1/8"	85-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA31	1-1/8"	94-1/2"	1/2"	1-5/8"	1-1/8" UNC
SDHA32	1-1/8"	95-11/16"	1/2"	1-5/8"	1-1/8" UNC
SDHA33	1-1/8"	104-11/16"	1/2"	1-5/8"	1-1/8" UNC



AXLE PLATE

CODE	DIA	AXLE SIZE
SAP 015	137	40X40
SAP 020	90	40X40
SAP 021	53	30X30
SAP 022	148	40X40
SAP 023	148	50.8X50.8

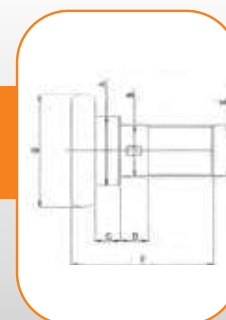


BLADE BOLT WITH NUT & WASHER

For rotary cutter

- Material :EN - 15 Steel / Boron Steel (15B41)
- Heat Treated
- We can manufacture different sizes & specifications of blade bolts on demand.

CODE	A	B	C	D	E	F	G
BB01	38	28.4	14	25	1 1/8" 12 TPI	90	62
BB02	38	28.4	14	25	1 1/8" 12 TPI	78	63



SPRING LOADED TILLER



SPRING LOADED TILLER USA MODEL



TINE RIDGER



TERRACER BLADE



MOUNTED/TRAILED OFFSET DISC HARROW (COMPACT MODEL)



MOUNTED OFFSET DISC HARROW TRAILED LUBRICATED TOPER ROLLER BEARING HUBS



SUB SOILER



HEAVY DUTY LAND LEVELLER



SUBSOILER



MOUNTED MB PLOUGH



RECIPROCATING FORGE MOWER



ROTARY TILLER



GROOMING MOWER SLIDER



HOLE DIGGER

ITEM CODE	PRODUCTS	APPLICATION	MATERIAL	LENGTH	WEIGHT
SRB 01		BISON COMBINE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1224MM	5.575KG
SRB 02		CLAAS L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1224MM	3.34KG
SRB 03		CLAAS L/R THICK SECTION	MILD STEEL (CK 45 AS PER GERMAN STD.)	780MM	2.660KG
SRB 04		CLAAS L/R THICK SECTION	MILD STEEL (CK 45 AS PER GERMAN STD.)	1043MM	3.480KG
SRB 05		CLAAS L/R THICK SECTION	MILD STEEL (CK 45 AS PER GERMAN STD.)	1240MM	4.000KG
SRB 06		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1020MM	4.80KG
SRB 07		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1300MM	6.100KG
SRB 08		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1580MM	7.500KG
SRB 09		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1313MM	6.150KG
SRB 10		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1055MM	4.950KG
SRB 11		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1690MM	7.950KG
SRB 12		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1000MM	4.705KG
SRB 13		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1040MM	4.893KG
SRB 14		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1250MM	5.881KG
SRB 15		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1280MM	6.022KG
SRB 16		JOHN DEERE L/R	MILD STEEL (CK 45 AS PER GERMAN STD.)	1290MM	6.069KG

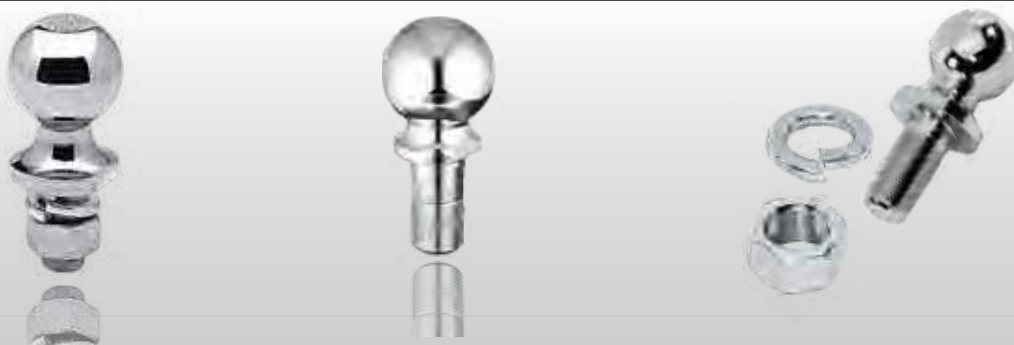
CODE	DESCRIPTION
SHB 01	63-RM-7
SHB 02	63-RM-2
SHB 03	63-RM-8
SHB 04	63-RM-16
SHB 05	63-RM-4-20
SHB 06	63-RM-46
SHB 07	63-RM-6
SHB 08	63-RM-30
SHB 09	63-RM-1-20
SHB 10	63-RM-36-18
SHB 11	63-RM-32
SHB 12	63-RM-4

**We also Manufacture
any type of Hammer Blade
as per customers Drawing &
Specifications**



CODE	A	B	C	D	E	FINISH
	BALL DIA.	SHANK LENGTH	SHANK DIA.	RISE	G.T.W L.B.S	CHROME
STHB 2000 LBS	1-7/8"	1-5/8"	3/4"	0	2000	CHROME
STHB 2000LBS	1-7/8"	2-1/8"	3/4"	0	2000	CHROME
STHB 3500 LBS	1-7/8"	2-1/8"	1"	0	3500	CHROME
STHB 3500 LBS	1-7/8"	2-1/8"	1"	2"	3500	CHROME
STHB 3500 LBS	1-7/8"	2-3/16"	1"	1"	3500	CHROME
STHB 3500 LBS	2"	2-1/8"	3/4"	0	3500	CHROME
STHB 3500 LBS	2"	3"	3/4"	0	3500	CHROME
STHB 6000 LBS	2"	2-1/8"	1"	0	6000	CHROME
STHB 7500 LBS	2"	2-1/8"	1"	0	7500	CHROME
STHB 12000 LBS	2"	2-1/4"	1"	0	12000	CHROME
STHB 10000 LBS	2"	2-5/8"	1-1/4"	0	10000	CHROME
STHB 6000 LBS	2"	2-1/8"	1"	1"	6000	CHROME
STHB 6000 LBS	2"	2-1/8"	1"	2"	6000	CHROME
STHB 3000 LBS	2-5/16"	3"	1"	0	6000	CHROME
STHB 10000 LBS	2-5/16"	2-5/8"	1-1/4"	0	10000	CHROME
STHB 15000 LBS	2-5/16"	2-5/8"	1-1/4"	0	15000	CHROME
STHB 10000 LBS	2-5/16"	2-5/8"	1-1/4"	1"	10000	CHROME
STHB 25000 LBS	2-5/16"	2-5/8"	1-1/4"	1"	25000	CHROME
STHB 10000 LBS	2-5/16"	2-5/8"	1-1/4"	2"	10000	CHROME
STHB 25000 LBS	2-5/16"	2-5/8"	1-1/4"	2"	25000	CHROME
STHB 30000 LBS	2-5/16"	3-1/2"	2"	0	30000	CHROME
STHB 30000 LBS	3"	3-1/4"	2"	0	30000	CHROME

WE ALSO DEVELOP HITCH BALLS AS PER CUSTOMERS DRAWING AND SPECIFICATIONS.



BALL MOUNT



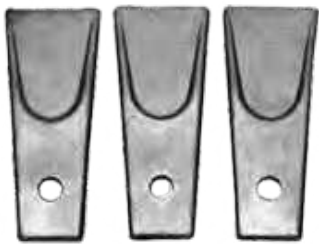




LATCHES



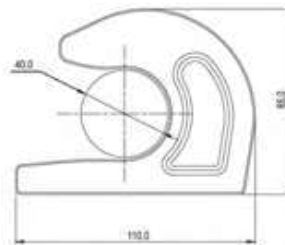




HOOK & LOCK (ST52.3)



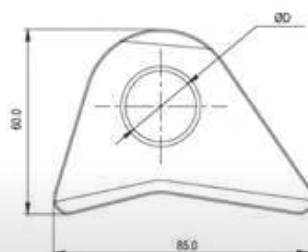
HOOK (ST52.3)



BLOCK

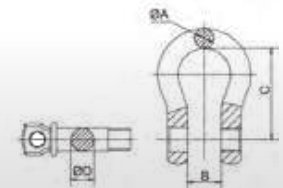


Lock (ST52.3)



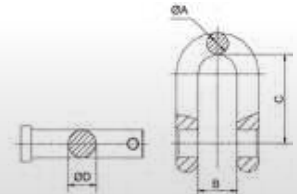
FARM CLEVISES

Code	A	B	C	D
SFC 01	3/8"	23/32"	1-7/16"	7/16"
SFC 02	7/16"	3/4"	1-11/16"	1/2"
SFC 03	1/2"	13/16"	1-15/16"	5/8"
SFC 04	3/4"	1-1/4"	3"	7/8"



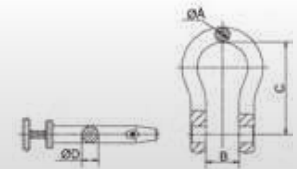
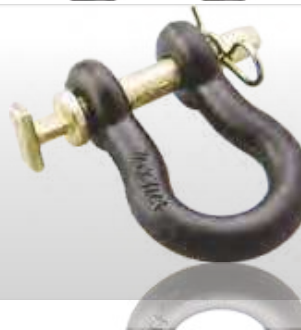
UTILITY CLEVISES

CODE	A	B	C	D
SUC 01	3/8"	21/32"	1-1/4"	7/16"
SUC 02	1/4"	7/16"	1"	5/16"



STRAIGHT CLEVISES

CODE	A	B	C	D
SSC 01	3/4"	1-5/16"	3-3/4"	5/8"
SSC 02	7/8"	1-5/16"	3-1/4"	3/4"
SSC 03	7/8"	1-5/16"	4-1/4"	3/4"
SSC 04	1"	2-1/8"	5-5/16"	1"

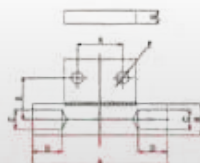


DRAWBAR GRAB HOOK FOR ALL TRACTORS

For all tractor draw bars up to 44mm (1-5/8") thick;
to use with 8mm (5/16") to 12.5mm (1/2") chain;
Grab Hook pinto fit 19mm (3/4") diameter;
Working load - 4100 Kgs (9000 Lbs.)

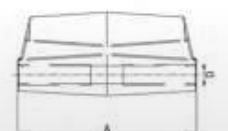


TURN BUCKLE (WELDED)



CODE	A	B	C	D	E	F	G	H
STBP 01	150	35	22	32.5	46	13	15	50

TURN BUCKLE (CASTED)



CODE	THREAD (D)	LENGTH (A)
STBC 01	M16X2	140
STBC 02	M20X2.5	140
STBC 03	M16X2	180

GRAB HOOK



CODE	CHAIN	SIZE
SGH01	G 43	1/4"
SGH02	G 43	5/16"
SGH03	G 43	3/8"
SGH04	G 70	1/4"
SGH05	G 70	5/16"
SGH06	G 70	3/8"
SGH07	G 70	1/2"

GRAB HOOK WITH SAFETY LOCK



CODE	CHAIN	SIZE
SGHSL 01	G 43	1/4"
SGHSL 02	G 43	5/16"
SGHSL 03	G 43	3/8"
SGHSL 04	G 70	1/4"
SGHSL 05	G 70	5/16"
SGHSL 06	G 70	3/8"
SGHSL 07	G 70	1/2"

SLIP HOOK WITH SAFETY LOCK



CODE	CHAIN	SIZE
SSHSL 01	G 43	1/4"
SSHSL02	G 43	5/16"
SSHSL03	G 43	3/8"
SSHSL04	G 70	1/4"
SSHSL05	G 70	5/16"
SSHSL06	G 70	3/8"
SSHSL07	G 70	1/2"

SLIP HOOK



CODE	CHAIN	SIZE
SSH 01	G 70	1/4"
SSH 02	G 70	5/16"
SSH 03	G 70	3/8"
SSH 04	G 70	1/2"

CLEVIS SLIP HOOK



CODE	CHAIN	SIZE
SCSH01	G 43	1/4"
SCSH02	G 43	5/16"
SCSH03	G 43	3/8"
SCSH04	G 43	1/2"

HOOK EYES & LATCHES



CODE	CAPACITY	SIZE
SHEL01	1 TON	5/16"
SHEL02	1.1/2 TON	3/8"
SHEL03	3 TON	1/2"

EYE SLIP HOOK



DESCRIPTI ON	SIZE
SESH 01	1/4"
SESH 02	5/16"
SESH 03	3/8"

EYE GRAB HOOK



DESCRIPTI ON	SIZE
SEGH 01	1/4"
SEGH 02	5/16"
SEGH 03	3/8"

CHAIN



CODE	CHAIN	SIZE	WLL- LBS
SC 01	G 43	1/4"	2600
SC 02	G 43	5/16"	3900
SC 03	G 43	3/8"	5400
SC 04	G 43	1/2"	9200
SC 05	G 70	1/4"	3150
SC 06	G 70	5/16"	4700
SC 07	G 70	3/8"	6600
SC 08	G 70	1/2"	11300

LENGTH – AS PER REQUIREMENT

BOW SHACKLE NUT BOLT /BOW SHACKLE SCREW PIN

NORMAL SIZE (IN)	W.L.L (T)	DIMENSION (IN)			WEIGHT (KG/PC)
(IN)	(T)	(A)	(B)	(C)	G209
3/16	1/3	0.38	0.25	0.88	0.02
1/4	1/2	0.47	0.31	1.13	0.05
5/16	3/4	0.53	0.38	1.22	0.09
3/8	1	0.66	0.44	1.44	0.14
7/16	1.1/2	0.75	0.5	1.69	0.17
1/2	2	0.81	0.63	1.88	0.29
5/8	3.1/4	1.06	0.75	2.38	0.63
3/4	4.3/4	1.25	0.88	2.81	1.02
7/8	6.1/2	1.44	1	3.31	1.533
1	8.1/2	1.69	1.13	3.75	2.41
1.1/8	9.1/2	1.81	1.25	4.25	3.09
1.1/4	12	2.03	1.38	4.69	4.31
1.3/8	13-1/2	2.25	1.5	5.25	6.01
1.1/2	17	2.38	1.63	5.75	7.8



DEE SHACKLE NUT BOLT / DEE SHACKLE SCREW PIN

NORMAL SIZE (IN)	W.L.L (T)	DIMENSION (IN)			WEIGHT (KG/PC)
(IN)	(T)	(A)	(B)	(C)	G210
3/16	1/3	0.38	0.25		
1/4	1/2	0.47	0.31	0.88	0.05
5/16	3/4	0.53	0.38	1.03	0.08
3/8	1	0.66	0.44	1.25	0.13
7/16	1.1/2	0.75	0.5	1.44	0.2
1/2	2	0.81	0.63	1.63	0.27
5/8	3.1/4	1.06	0.75	2	0.57
3/4	4.3/4	1.25	0.88	2.38	1.19
7/8	6.1/2	1.44	1	2.81	1.43
1	8.1/2	1.69	1.13	3.19	2.15
1.1/8	9.1/2	1.81	1.25	3.58	3.06
1.1/4	12	2.03	1.38	3.94	4.11
1.3/8	13-1/2	2.25	1.5	4.38	5.28
1.1/2	17	2.38	1.63	4.81	7.23

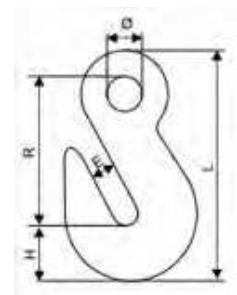
DROP FORGED QUENCH AND TEMPER WITH ALLOY PINS MINIMUM BREAKING LOAD IS 4 TIMES OF WORKING LOAD LIMIT

MAXIMUM PROOF WORKING LOAD IS 2.2 TIMES OF THE WORKING LIMIT.



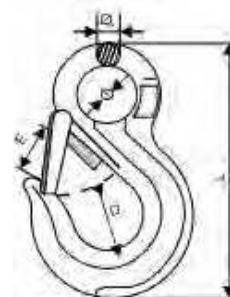
GRAB HOOK ALLOY

WEIGHT /KG	WLL/T	B.L/T	E	O	H	R	L
0.14	1.12	4.48	8	13.5	16	51	75.2
0.245	2	8	10.8	17	18.5	60.5	88.5
0.65	3.15	12.6	13	20	29	79.5	121.5
1.39	5.3	21.2	16.5	26	42.8	99.7	158
2.2	8	32	19.2	30	45.7	104	169
4.6	12.5	50	24	37	56	140	219
8.2	15	60	28	44	68	165	259
9.8	21.2	84.8	30	41	77	188.5	298
19.4	31.5	126	38	57	95	228	361



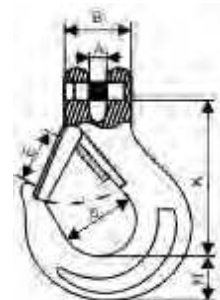
EYE HOOK

WEIGHT /KG	WLL/T	B.L/T	O1	E	D	O	L
0.3	1.12	4.48	9	24	21	20	108
0.4	2.0	8	11	30	26	25	133
0.9	3.15	12.6	15	34	39	38	167
1.7	5.3	21.2	19	39	54	43	213
3.2	8	32	23	46	64	50	255
5.8	12.5	50	24	40	80	62	305
8.5	15	60	32	71	80	62	348
13	21.2	84.8	35	81	82	64	394
17	31.5	126	37	102	112	88	480



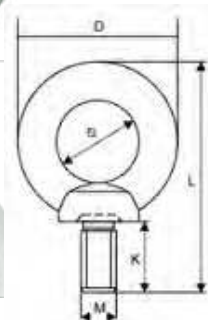
CLEVIS HOOK

WEIGHT /KG	WLL/T	B.L/T	A	B	O	H	K	E
0.32	1.12	4.48	8	32	35	23	76	26
0.52	2	8	9.5	37	37	32.5	85.5	29
1.05	3.15	12.6	13	49	46	35	104	39
2	5.3	21.2	16.5	56.5	56	42.5	128	47
3.7	8	32	21.5	70.5	60	54	150	55
6	12.5	50	24	77	79	58	180	61
10.4	15	60	27	91	101	62	213	72
14.5	21.2	84.8	30	117	115	75	250	85
27	31.5	126	35	150	140	88	317	106

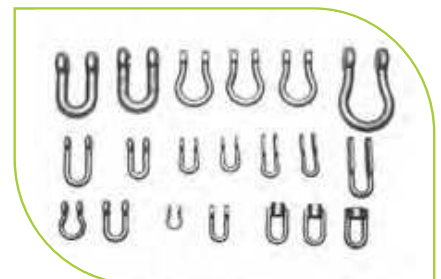
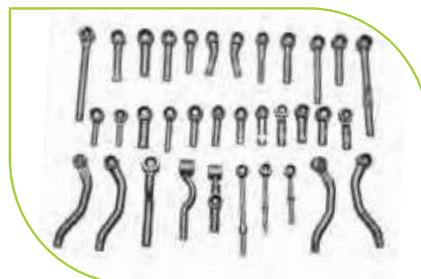


EYE BOLT

SIZE	WEIGHT /KG	WLL/T(5:1)		D	K	O	L
		WLL 45°	VERTICAL LOAD				
M12	0.18	0.24	0.34	54	22	30	75
M14	0.28	0.32	0.46	63	28	35	89.5
M16	0.285	0.5	0.7	63	28	35	90
M18	0.42	0.65	0.83	72	30	40	101
M20	0.45	0.83	1.2	72	30	40	101
M22	0.67	1.05	1.5	81	35	45	115.5
M24	0.87	1.027	1.8	90	38	50	128
M27	0.88	1.83	2.5	90	38	50	128
M30	1.66	2.6	3.6	108	45	60	154
M33	1.72	3.2	4.5	108	45	60	154
M36	2.65	3.7	5.1	126	55	70	183
M39	2.8	4.3	6	126	55	70	183
M42	4.03	5	7	144	65	80	212
M45	4.25	5.5	7.5	144	65	80	212
M48	6.38	6.1	8.6	166	70	90	238
M52	6.6	7.3	9	166	70	90	238
M56	8.8	8.3	11	184	80	100	267
M64	12.4	11	16	206	90	110	293

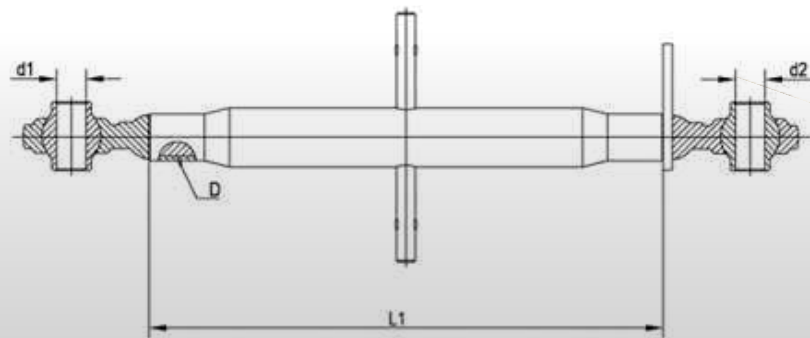


FORGINGS



TOP LINK ASSEMBLY (UNC)

CODE	CAT	PIPE	THREAD	MIN	MAX
	d1-d2	L1 (INCH)	D		
STL 700 U	0-0	7.1/2"	3/4 UNC	11"	16.3/8"
STL 900 U	0-0	9.3/4"	3/4 UNC	13.3/8"	18.5/8"
STL 711 U	1-1	7"	1.1/8 UNC	11.5/8"	14.3/4"
STL 712 U	1-2	7"	1.1/8 UNC	11.3/4"	15"
STL 722 U	2-2	7"	1.1/8 UNC	12"	15.1/8"
STL 911 U	1-1	9"	1.1/8 UNC	13.5/8"	18.3/4"
STL 912 U	1-2	9"	1.1/8 UNC	13.3/4"	19"
STL 922 U	2-2	9"	1.1/8 UNC	14"	19.1/4"
STL 1111 U	1-1	11.1/4"	1.1/8 UNC	16"	24"
STL 1112 U	1-2	11.1/4"	1.1/8 UNC	16.3/8"	24.1/4"
STL 1122 U	2-2	11.1/4"	1.1/8 UNC	16.1/2"	24.3/8"
STL 1311 U	1-1	13"	1.1/8 UNC	17.1/2"	26.3/4"
STL 1312 U	1-2	13"	1.1/8 UNC	17.3/4"	27"
STL 1322 U	2-2	13"	1.1/8 UNC	18.1/8"	27.1/8"
STL 1411 U	1-1	14.1/2"	1.1/8 UNC	19"	27"
STL 1412 U	1-2	14.1/2"	1.1/8 UNC	19.1/2"	27.1/8"
STL 1422 U	2-2	14.1/2"	1.1/8 UNC	20"	31.1/2"
STL 1611 U	1-1	16"	1.1/8 UNC	20.1/2"	28"
STL 1612 U	1-2	16"	1.1/8 UNC	20.3/4"	28.3/8"
STL 1622 U	2-2	16"	1.1/8 UNC	21"	32.1/2"
STL 1711 U	1-1	17.1/4"	1.1/8 UNC	21.5/8"	29.3/8"
STL 1712 U	1-2	17.1/4"	1.1/8 UNC	22"	29.1/2"
STL 1722 U	2-2	17.1/4"	1.1/8 UNC	22.1/4"	33.7/8"
STL 2011 U	1-1	20"	1.1/8 UNC	24.3/8"	32"
STL 2012 U	1-2	20"	1.1/8 UNC	24.3/4"	32.1/4"
STL 2022 U	2-2	20"	1.1/8 UNC	25"	36.3/8"
STL 2411 U	1-1	24"	1.1/8 UNC	28.1/2"	36"
STL 2412 U	1-2	24"	1.1/8 UNC	28.3/4"	36.1/4"
STL 2422 U	2-2	24"	1.1/8 UNC	28.7/8"	40.1/2"
STL 15 H 22 U	2-2	15"	1.1/4 UNC	20"	30.7/8"
STL 19H 22 U	2-2	19"	1.1/4 UNC	24"	35.1/4"
STL 19EH 33 U	3-3	19.1/2"	1.3/8" UNC	26"	36"



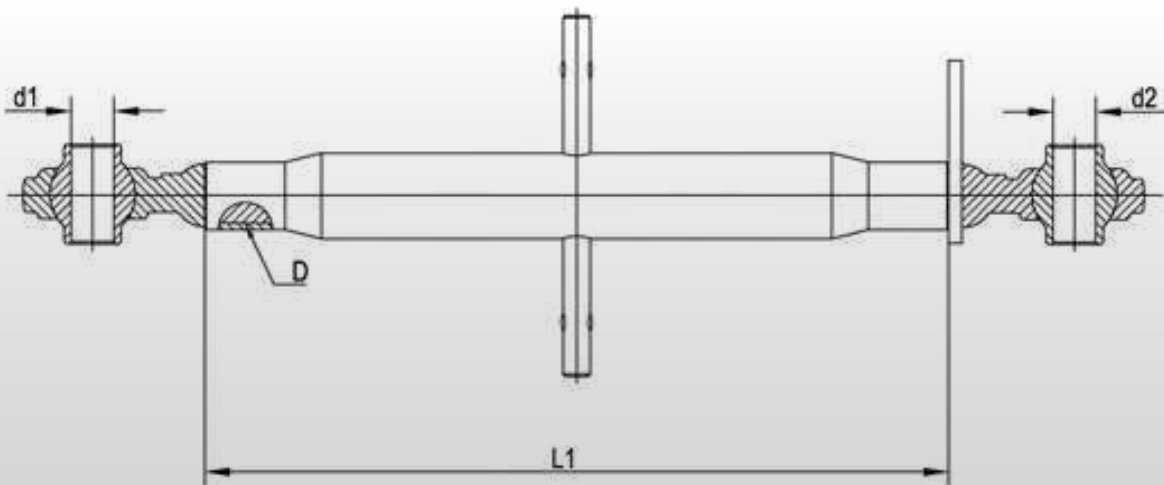
TOP LINK ASSEMBLY (METRIC)

CODE	CAT	PIPE	THREAD	MIN.	MAX.
	d1-d2	L1 (MM)	D		
STL 1801122	1-1	180	M22X2.5	290	440
STL 2201122	1-1	220	M22X2.5	330	480
STL 2301122	1-1	230	M22X2.5	340	490
STL 2801122	1-1	280	M22X2.5	390	540
STL 3001122	1-1	300	M22X2.5	410	560
STL 3201122	1-1	320	M22X2.5	430	580
STL 1201124	1-1	120	M24X3	230	410
STL 1401124	1-1	140	M24X3	250	430
STL 1501124	1-1	150	M24X3	260	440
STL 1651124	1-1	165	M24X3	275	445
STL 1801124	1-1	180	M24X3	290	460
STL 2001124	1-1	200	M24X3	310	480
STL 2301124	1-1	230	M24X3	340	510
STL 2501124	1-1	250	M24X3	360	530
STL 2701124	1-1	270	M24X3	380	550
STL 3001124	1-1	300	M24X3	410	580
STL 3301124	1-1	330	M24X3	440	610
STL 3701124	1-1	370	M24X3	480	650
STL 4001124	1-1	400	M24X3	510	680
STL 2751127	1-1	275	M27X3	395	625
STL 2752227	2-2	275	M27X3	395	645
STL 3201127	1-1	320	M27X3	440	670
STL 3201227	1-2	320	M27X3	440	680
STL 3202227	2-2	320	M27X3	440	690
STL 3501127	1-1	350	M27X3	470	700
STL 3501227	1-2	350	M27X3	470	710
STL 3502227	2-2	350	M27X3	470	720
STL 3701127	1-1	370	M27X3	490	720
STL 3701227	1-2	370	M27X3	490	730
STL 3702227	2-2	370	M27X3	490	740
STL 3801127	1-1	380	M27X3	500	730
STL 3801227	1-2	380	M27X3	500	740
STL 3802227	2-2	380	M27X3	500	750
STL 4001127	1-1	400	M27X3	520	750
STL 4001227	1-2	400	M27X3	520	760
STL 4002227	2-2	400	M27X3	520	770
STL 4301127	1-1	430	M27X3	550	780
STL 4301227	1-2	430	M27X3	550	790
STL 4302227	2-2	430	M27X3	550	800
STL 4501127	1-1	450	M27X3	570	800
STL 4501227	1-2	450	M27X3	570	810
STL 4502227	2-2	450	M27X3	570	820
STL 4701127	1-1	470	M27X3	590	820
STL 4701227	1-2	470	M27X3	590	830
STL 4702227	2-2	470	M27X3	590	840
STL 5001127	1-1	500	M27X3	620	850
STL 5001227	1-2	500	M27X3	620	860
STL 5002227	2-2	500	M27X3	620	870
STL 5501127	1-1	550	M27X3	670	920
STL 5501227	1-2	550	M27X3	670	930
STL 5502227	2-2	550	M27X3	670	940
STL 5702227	2-2	570	M27X3	690	940



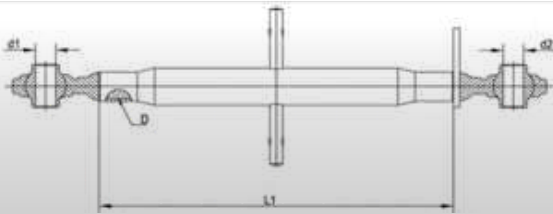
TOP LINK ASSEMBLY (METRIC)

CODE	CAT	PIPE	THREAD	MIN.	MAX.
	d1-d2	L1 (MM)	D		
STL 3701130	1-1	370	M30X3	500	720
STL 3701230	1-2	370	M30X3	500	730
STL 3702230	2-2	370	M30X3	500	740
STL 4001130	1-1	400	M30X3	530	750
STL 4001230	1-2	400	M30X3	530	760
STL 4002230	2-2	400	M30X3	530	770
STL 4501130	1-1	450	M30X3	580	800
STL 4501230	1-2	450	M30X3	580	810
STL 4502230	2-2	450	M30X3	580	820
STL 4602230	2-2	460	M30X3	590	830
STL 5001130	1-1	500	M30X3	630	850
STL 5001230	1-2	500	M30X3	630	860
STL 5002230	2-2	500	M30X3	630	880
STL 5202230	2-2	520	M30X3	650	900
STL 5502230	2-2	550	M30X3	650	930
STL 5602230	2-2	560	M30X3	690	940
STL 6002230	2-2	600	M30X3	730	980
STL 6502230	2-2	650	M30X3	780	1030
STL 7002230	2-2	700	M30X3	830	1080
STL 7202230	2-2	720	M30X3	880	1100



TOP LINK ASSEMBLY (METRIC)

CODE	CAT	PIPE	THREAD	MIN.	MAX.
	d1-d2	L1 (MM)	D		
STL 5202236	2-2	520	M36X3	660	910
STL 5202336	2-3	520	M36X3	680	980
STL 5203336	3-3	520	M36X3	680	980
STL 5802236	2-2	580	M36X3	720	970
STL 5802336	2-3	580	M36X3	740	1040
STL 5803336	3-3	580	M36X3	740	1040
STL 6202236	2-2	620	M36X3	760	1020
STL 6202336	2-3	620	M36X3	780	1080
STL 6203336	3-3	620	M36X3	780	1080
STL 7002236	2-2	700	M36X3	840	1100
STL 7002336	2-3	700	M36X3	850	1130
STL 7003336	3-3	700	M36X3	860	1160
STL 8002236	2-2	800	M36X3	940	1240
STL 8002336	2-3	800	M36X3	950	1250
STL 8003336	3-3	800	M36X3	960	1260



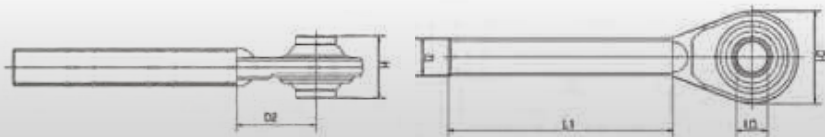
TOP LINK ASSEMBLY WITH ARTICULATED YOKE

CODE	CAT	PIPE	THREAD
	d1-d2	L1 (MM)	D
STLAY 230223035	2-2	230	M30X3.5
STLAY 270223035	2-2	270	M30X3.5
STLAY 3302Y2025	20.25-2	330	M30X3.5
STLAY 3302Y2225	22.25-2	330	M30X3.5
STLAY 370223035	2-2	370	M30X3.5
STLAY 3702Y2025	20.25-2	370	M30X3.5
STLAY 3702Y2225	22.25-2	370	M30X3.5
STLAY 4052Y2025	20.25-2	405	M30X3.5
STLAY 4052Y2225	22.25-2	405	M30X3.5
STLAY 4502Y2025	20.25-2	450	M30X3.5
STLAY 4502Y2225	22.25-2	450	M30X3.5
STLAY 5102Y2025	20.25-2	510	M30X3.5
STLAY 5102Y2225	22.25-2	510	M30X3.5
STLAY 560223035	2-2	560	M30X3.5



TOP LINK END (UNC)

CODE	CAT	I.D.	THREAD D	L1	D1	D2	H
STLE R 105 0 U	0	16	3/4" UNC R	105	47	30	25.4
STLE L 105 0 U	0	16	3/4" UNC L	105	47	30	25.4
STLE R 150 1 U	1	19	1.1/8" UNC R	150	58	53	44
STLE L 150 1 U	1	19	1.1/8" UNC L	150	58	53	44
STLE R 180 2 U	2	25.4	1.1/8" UNC R	180	66	55	51
STLE L 180 2 U	2	25.4	1.1/8" UNC L	180	66	55	51
STLE R 180 2 U	2	25.4	1.1/4" UNC R	180	76	62	51
STLE L 180 2 U	2	25.4	1.1/4" UNC L	180	76	62	51
STLE R 185 3 U	3	32	1.3/8" UNC R	185	96	70	51
STLE L 185 3 U	3	32	1.3/8" UNC L	185	96	70	51



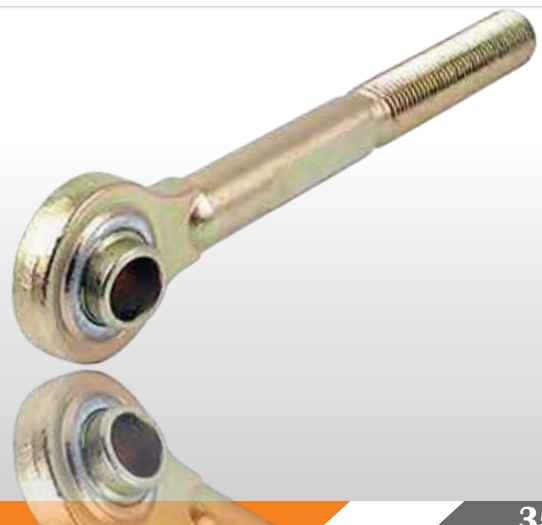
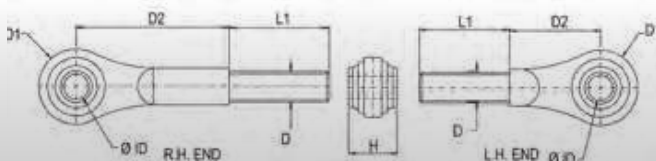
TOP LINK END (HEAVY DUTY)

CODE	CAT	I.D.	THREAD	L1	D1	D2	H
			D				
STLE 17030 2 R	2	25.4	M30X3.5 R	170	80	55	51
STLE 17030 2 L	2	25.4	M30X3.5 L	170	80	55	51
STLE 20040 3 R	3	32	M40X3 R	200	96	70	51
STLE 20040 3 L	3	32	M40X3 L	200	96	70	51
STLE 20042 2R	2	25.4	M42X3 R	200	96	70	51
STLE 20042 2L	2	25.4	M42X3 L	200	96	70	51
STLE 20042 3R	3	32	M42X3 R	200	96	70	51
STLE 20042 3L	3	32	M42X3 L	200	96	70	51



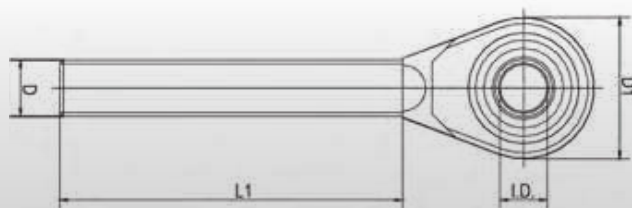
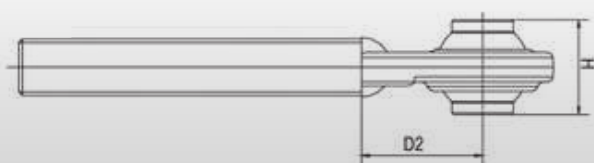
TOP LINK END (REPLACE FORD)

CODE	CAT	I.D.	THREAD	L1	D1	D2	H
			D				
STLE RF L1	1	19	1.1/4"UNC L	135	58	208	44
STLE RF L2	2	25.4	1.1/4"UNC L	135	76	208	51
STLE RF R1	1	19	1.1/4"UNC R	168	76	85	44
STLE RF R2	2	25.4	1.1/4"UNC R	168	76	85	51



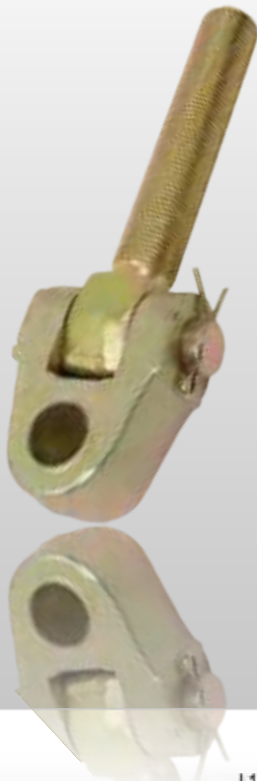
TOP LINK END (METRIC)

CODE	CAT	I.D.	THREAD	L1	D1	D2	H
			D				
STLE 2025 0 R	0	16	M20X2.5R	85	48	40	25.4
STLE 2025 0 L	0	16	M20X2.5L	85	48	40	25.4
STLE2225 1 R	1	19	M22X2.5R	95	58	50	44
STLE2225 0 L	1	19	M22X2.5L	95	58	50	44
STLE2225 1 R (B)	1	19	M22X2.5R	105	58	50	44
STLE2225 1 L (B)	1	19	M22X2.5L	105	58	50	44
STLE2425 1 R	1	19	M24X2.5R	115	58	50	44
STLE2425 1 L	1	19	M24X2.5L	115	58	50	44
STLE2430 1 R	1	19	M24X3 R	115	58	50	44
STLE2430 1 L	1	19	M24X3 L	115	58	50	44
STLE2430 1 R (B)	1	19	M24X3 R	155	62	50	44
STLE2430 1L (B)	1	19	M24X3 L	155	62	50	44
STLE2430 2 R	2	25.4	M24X3 R	165	75	55	51
STLE2430 2 L	2	25.4	M24X3 L	165	75	55	51
STLE2730 1 R	1	19	M27X3 R	150	58	50	44
STLE2730 1 L	1	19	M27X3 L	150	58	50	44
STLE2730 2 R (B)	2	25.4	M27X3 R	165	66	55	51
STLE2730 2 L (B)	2	25.4	M27X3 L	165	66	55	51
STLE 3030 1 R	1	19	M30X3 R	155	58	50	44
STLE3030 1 L	1	19	M30X3 L	155	58	50	44
STLE3035 1 R	1	19	M30X3.5 R	155	58	50	44
STLE3035 1 L	1	19	M30X3.5 L	155	58	50	44
STLE3030 2 R	2	25.4	M30X3 R	165	75	55	51
STLE3030 2 L	2	25.4	M30X3 L	165	75	55	51
STLE3035 2 R	2	25.4	M30X3.5 R	165	75	55	51
STLE3035 2 L	2	25.4	M30X3.5 L	165	75	55	51
STLE3630 2 R	2	25.4	M36X3 R	165	80	55	51
STLE3630 2 L	2	25.4	M36X3 L	165	80	55	51
STLE3630 2 R (B)	2	25.4	M36X3 R	175	80	55	51
STLE3630 2 L (B)	2	25.4	M36X3 L	175	80	55	51
STLE3630 2 R	2	25.4	M36X3 R	200	96	70	51
STLE3630 2 L	2	25.4	M36X3 L	200	96	70	51
STLE3630 3 R	3	32	M36X3 R	200	96	70	51
STLE3630 3 L	3	32	M36X3 L	200	96	70	51
STLE4030 2R	2	25.4	M40X3 R	170	80	60	51
STLE4030 2L	2	25.4	M40X3 L	170	80	60	51



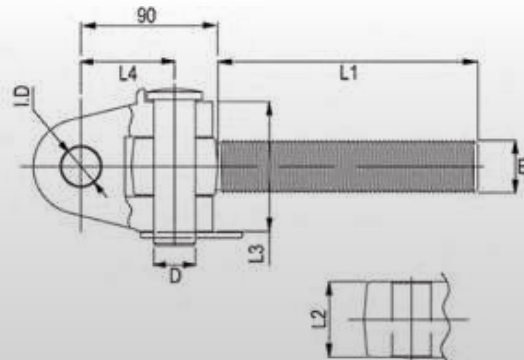
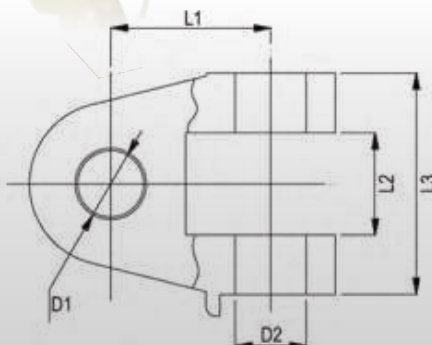
KNUCKLE END W/O SPINDLE WITH PIN

CODE	D1	D2	L1	L2	L3	TYPE
SKE 01	20.2	28	63	40	87	A
SKE 02	25.4	28	63	40	87	A
SKE 03	28.4	28	63	40	87	A
SKE 04	32	28	63	40	87	A
SKE 05	20.2	28	133	40	87	B
SKE 06	25.4	28	133	40	87	B
SKE 07	28.4	28	133	40	87	B
SKE 08	32	28	183	40	87	B
SKE 09	28.4	28	57	40	75	C



ARTICULATED YOKE END

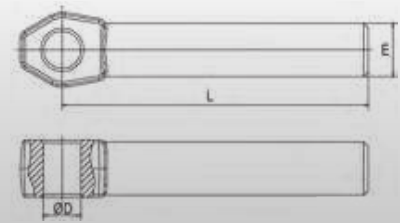
CODE	CAT.	I. D.	E	L1	L2	L3	L4	D
SAYE 2030 JDR	1	20.2	M30X3.0RH	185	44	87	63	28
SAYE 2530R	2	25.4	M30X3.0RH	185	50	87	63	28
SAYE 2830 R	2	28.4	M30X3.0RH	185	50	87	63	28
SAYE 30NHR	2	28.4	M30X3.0RH	185	65	75	57	28
SAYE 2030 JDL	1	20.2	M30X3.0LH	185	44	87	63	28
SAYE 2530 L	2	25.4	M30X3.0LH	185	50	87	63	28
SAYE 2830 L	2	28.4	M30X3.0LH	185	50	87	63	28
SAYE 30NHL	2	28.4	M30X3.0LH	185	65	75	57	28
SAYE 2036 JDR	1	20.2	M36X3.0RH	185	44	87	63	28
SAYE 2536R	2	25.4	M36X3.0RH	185	50	87	63	28
SAYE 2836 R	2	28.4	M36X3.0RH	185	50	87	63	28
SAYE 3236 R	3	32	M36X3.0 RH	185	50	87	63	28
SAYE FIATNHR	2	28.4	M36X3.0RH	185	65	75	57	28
SAYE 2036 JDL	1	20.2	M36X3.0LH	185	44	87	63	28
SAYE 2536 L	2	25.4	M36X3.0LH	185	50	87	63	28
SAYE 2836 L	2	28.4	M36X3.0LH	185	50	87	63	28
SAYE 3236 L	3	32	M36X3.0LH	185	50	87	63	28
SAYE FIAT NHL	2	28.4	M36X3.0LH	185	65	75	57	28
SAYE 3240R	3	32	M40X3.0RH	191	51	87	63	28
SAYE 3240 L	3	32	M40X3.0LH	191	51	87	63	28



ARTICULATED YOKE SPINDLE

SURA FORGINGS

CODE	D	L	E
SAYS 303 R	28	185	M30X3.0 RH
SAYS 303 L	28	185	M30X3.0 LH
SAYS 3035 R	28	185	M30X3.5 RH
SAYS 3035 L	28	185	M30X3.5 LH
SAYS 363 R	28	185	M36X3.0 RH
SAYS 363 L	28	185	M36X3.0 LH
SAYS 403 R	28	191	M40X3.0 RH
SAYS 403 L	28	191	M40X3.0 LH



3-POINT KIT FOR MINI TRACTOR

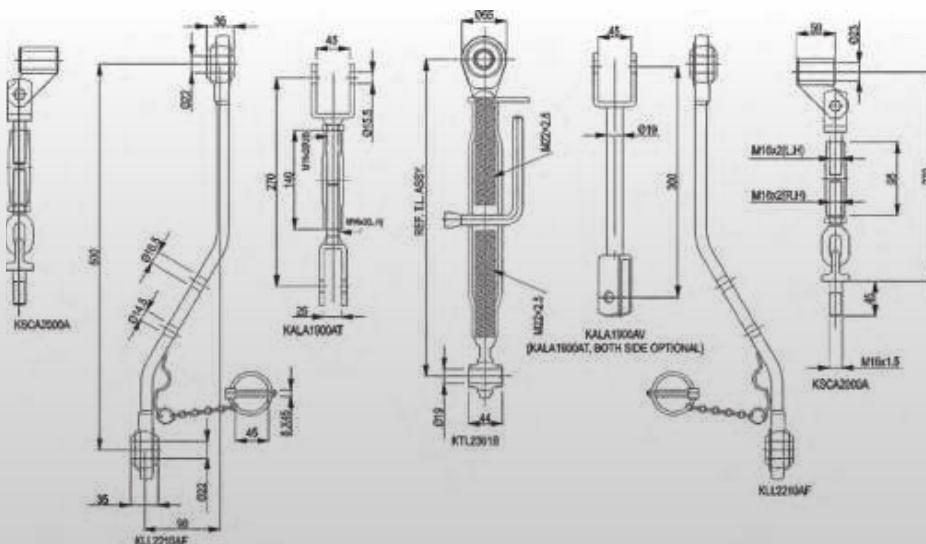
SURA FORGINGS

Both Side Adjustable Leveling



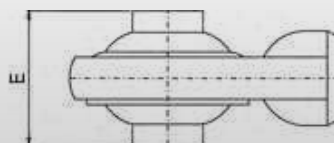
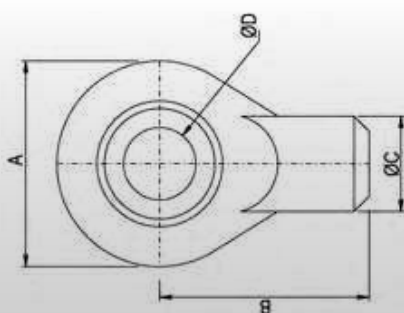
3-POINT KIT FOR MINI TRACTOR

CODE	LIFT ARM	T.L. ASSY.	
S3PK1	12X50X500	M22X2.5-230	KUBOTA
S3PK 2	12X50X500	M22X2.5-230	ISEKI
S3PK 4	16X50X500	M24X2.5-320	KUBOTA
S3PK 5	16X50X500	M24X2.5-320	ISEKI
S3PK 5-K	16X50X600	M27X3.0-400	KUBOTA
S3PK5-I	16X50X600	M27X3.0-400	ISEKI



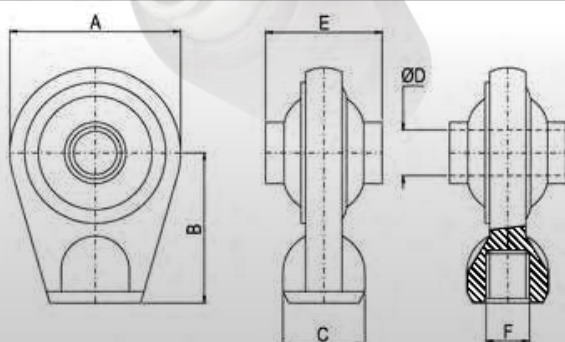
WELD ON END

CODE	A	B	C	D	E	F
SWOE 195455	54	55	25.4	19	44	
SWOE 195550 A	55	50	25	19	30	
SWOE 195550 B	55	50	25	19	44	
SWOE 205550	55	50	25	20	44	
SWOE 257673	76	73	30	25.4	51	
SWOE 259085	90	85	40	25.4	51	
SWOE 309085	90	85	40	30	51	
SWOE 329085 A	90	85	40	32	51	
SWOE 329085 B	90	85	40	32	51	M27X2
SWOE 257570	75	70	31	25.4	51	



WELD ON END

CODE	A	B	C	D	E
SWOE 196250	62	50	26	19	35
SWOE 226250	62	50	26	22.1	35
SWOE 196258	62	58	34	19	44
SWOE 206258	62	58	34	20	44
SWOE 196260	62	60	34	19	44
SWOE 206260	62	60	34	20	44
SWOE 226260	62	60	34	22.1	44
SWOE 197270	72	70	45	19	51
SWOE 227270	72	70	45	22.1	51
SWOE 257270	72	70	45	25.4	51
SWOE 307270	72	70	45	30	51
SWOE 197570	75	70	38	19	51
SWOE 227565	75	65	38	22.1	51
SWOE 257565 A	75	65	38	25.4	40
SWOE 257565 B	75	65	38	25.4	51
SWOE 307565	75	65	38	30	51
SWOE 258365	83	65	50	25.4	51
SWOE 308365 A	83	65	50	30	42
SWOE 308365 B	83	65	50	30	55

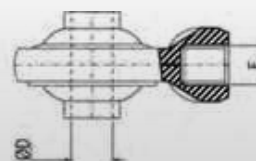
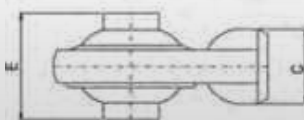
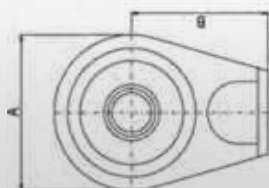


WELD ON NUT

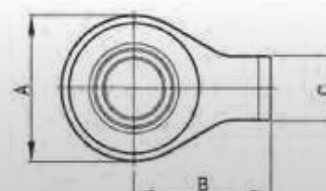
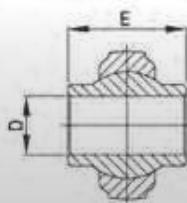
CODE	A	B	C	D	E	F
SWOE 328365	83	65	50	32	51	
SWOE 358365 A	83	65	50	35	35	
SWOE 358365 B	83	65	50	35	55	
SWOE 198570	85	70	50	19	51	
SWOE 228570 A	85	70	50	22.1	51	
SWOE 228570 B	85	70	50	22.1	51	M27X2
SWOE 258570 A	85	70	50	25.4	51	
SWOE 258570 B	85	70	50	25.4	51	M27X2
SWOE 308570 A	85	70	50	30	51	
SWOE 308570 B	85	70	50	30	51	M27X2
SWOE 309265 A	92	65	50	30	42	
SWOE 309265 B	92	65	50	30	59	
SWOE 329265	92	65	50	32	51	
SWOE 359265	92	65	50	35	35	
SWOE 4010860	108	60	58	40	75	
SWOE 4510860	108	60	58	45	75	
SWOE 5010860	108	60	58	50	75	
SWOE 4010885 A	108	85	60	40	75	
SWOE 4010885 B	108	85	60	40	75	M38X2
SWOE 4510885 A	108	85	60	45	75	
SWOE 4510885 B	108	85	60	45	75	M38X2
SWOE 5010885 A	108	85	60	50	75	
SWOE 5010885 B	108	85	60	50	75	M38X2



GREASE NIPPLE CAN BE PROVIDED (OPTIONAL)



CODE	A	B	C	D	E
SWOE 195750	57	50.8	28.5	19	44
SWOE 196234	62	34	30	19	44
SWOE 206234	62	34	30	20	44
SWOE 226234	62	34	30	22.1	44
SWOE 256260	62	60	30	25.4	51

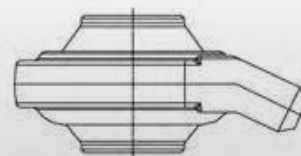
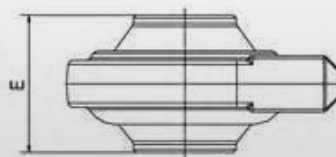
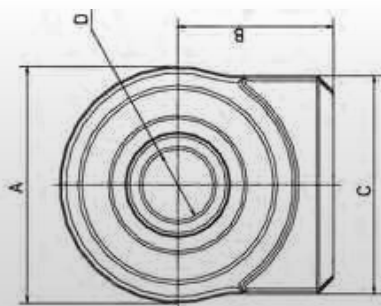


WELD ON END

CODE	A	B	C	D	E
SWOE 164626	46	26	30	16	20
SWOE 164660	46	60	30	16	20
SWOE 186543	65	43	50	18	35
SWOE 196543	65	43	50	19	35
SWOE 226543	65	43	50	22.1	35
SWOE 226890 A	68	90	50	22.1	35
SWOE 226890 B	68	90	60	22.1	35
SWOE 227650	76	50	70	22.1	35
SWOE 257650 A	76	50	70	25.4	35
SWOE 257650 B	76	50	70	25.4	35
SWOE 287650 A	76	50	70	28.4	35
SWOE 287650 B	76	50	70	28.4	35
SWOE 257880	78	80	70	25.4	38
SWOE 287880	78	80	70	28.4	38
SWOE 228065 A	80	65	70	22/28	45
SWOE 228065 B	80	65	70	22/28	45
SWOE 258065	80	65	70	25.4	45
SWOE 288065 A	80	65	70	28.4	45
SWOE 288065 B	80	65	70	28.4	45
SWOE 258080	80	80	70	25.4	38
SWOE 288080 A	80	80	70	28.4	38
SWOE 288080 B	80	80	70	28.4	45
SWOE 228355	83	55	70	22.1	35
SWOE 258355	83	55	70	25.4	35
SWOE 288355 A	83	55	70	28.4	35
SWOE 288355B	83	55	70	28.4	45
SWOE 288075	80	75	79	28.4	45
SWOE 289665	96	65	70	28.4	45
SWOE 309665	96	65	70	30	45
SWOE 329665	96	65	70	32	45
SWOE 349665	96	65	70	34	45
SWOE 2810865	108	65	80	28.4	45
SWOE 3710865	108	65	80	37	45
SWOE 3810865	108	65	80	38	45

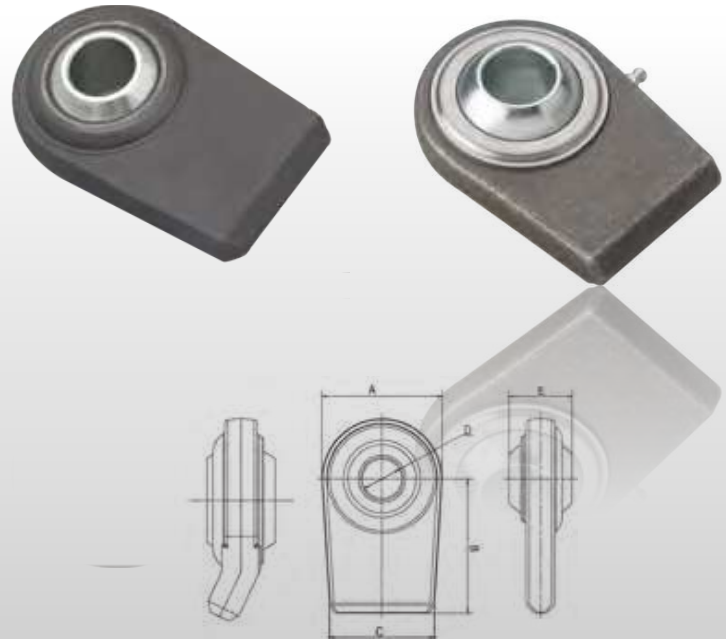


GREASE NIPPLE CAN BE PROVIDED (OPTIONAL)



WELD ON END

CODE	A	B	C	D	E
SWOE 195250	52	50	52	19	44
SWOE 196750	67	50	60	19	35
SWOE 226750 A	67	50	60	22.1	35
SWOE 226750 B	67	50	56	22.1	35
SWOE 226770	67	70	60	22.1	35
SWOE 226775	67	75	58	22.1	35
SWOE 288255	82	55	70	28.4	45
SWOE 258379	83	79	70	25.4	38
SWOE 288379	83	79	70	28.4	38
SWOE 288580 A	85	80	70	28.4	45
SWOE 288580 B	85	80	70	28.4	35
SWOE 228580	85	80	70	22/28	45
SWOE 289486	94	86	94	28.4	45
SWOE 389486	94	86	94	38	45
SWOE 2810083	100	83	100	28.4	45
SWOE 3710083	100	83	100	37	45
SWOE 3810083	100	83	100	38	45

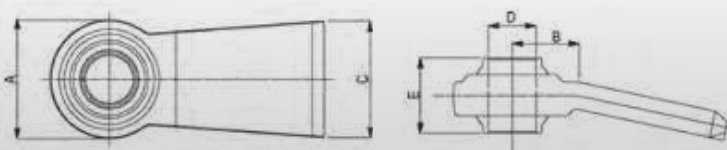


CODE	A	B	C	D	E
SWOE 258072	80	72	75	25.4	44
SWOE 288072	80	72	75	28.4	44



WELD ON END TYPES (URSUS)

CODE	A	B	C	D	E
SWOE 287140	71	40	70	28.4	45



WELD ON END WITH SLOT

CODE	d	A	B	C	D	E-SLOT	SIDE
SWOE 457685 R	28.4	76	85	95	45	28X45X95	R
SWOE 457685 L	28.4	76	85	95	45	28X45X95	L
SWOE 459490 R	37	94	90	95	45	28X45X95	R
SWOE 459490 L	37	94	90	95	45	28X45X95	L



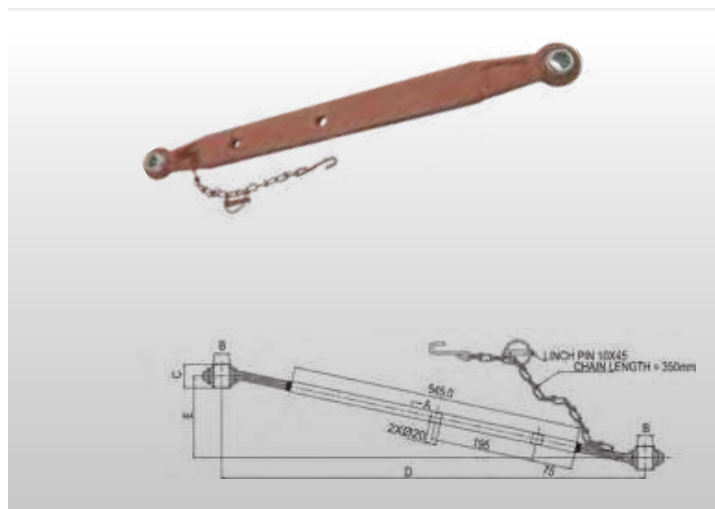
WELD ON END WITH BASE

CODE	A	B	C	D	E
SWOE 28100130	100	130	100	28.4	45
SWOE 37100130	100	130	100	37	45
SWOE 38100130	100	130	100	38	45

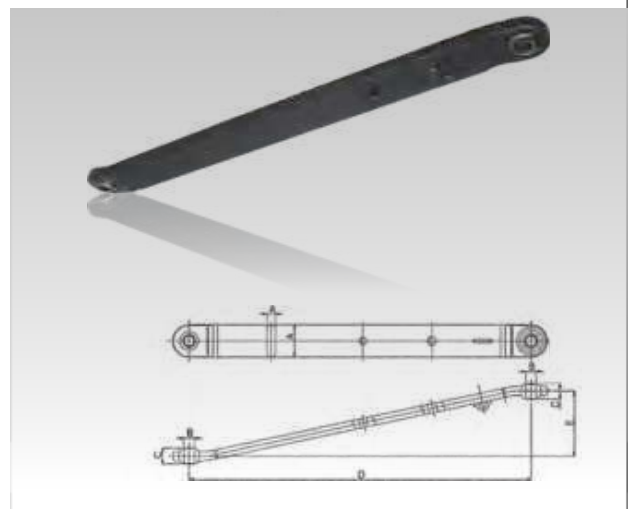


LOWER LINK (REPLACES URSUS)

LOWER LINK (STANDARD)



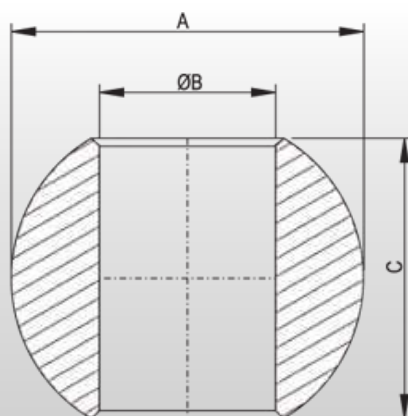
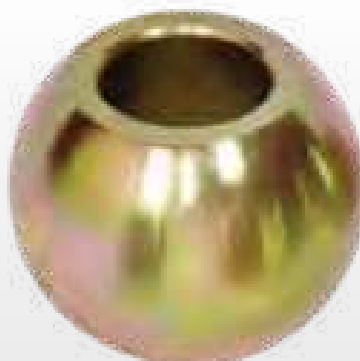
CODE	A	B	C	D	E
SLL800 1970	19X70	28.4	45	800	150



CODE	A	B	C	D	E
SLL740 1970	19X70	22.1	35	740	140
SLL820 1970	19X70	22.1	35	820	140

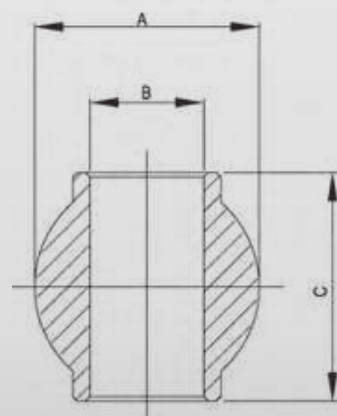
LOWER LINK BALLS

CODE	A	B	C
SLLB281620	28	16	20
SLLB321625	32	16	25.4
SLLB441835	44	18	35
SLLB441935	44	19	35
SLLB442235	44	22.1	35
SLLB482235	48	22.1	35
SLLB482535	48	25.4	35
SLLB482835	48	28.4	35
SLLB502538	50	25.4	38
SLLB502540	50	25.4	40
SLLB502838	50	28.4	38
SLLB543535	54	35	35
SLLB562235	56	22.1	35
SLLB562245	56	22.1	45
SLLB562535	56	25.4	35
SLLB562538	56	25.4	38
SLLB562545	56	25.4	45
SLLB562835	56	28.4	35
SLLB562838	56	28.4	38
SLLB562845	56	28.4	45
SLLB563738	56	37	38
SLLB622845	62	28.4	45
SLLB632845	63.5	28.4	45
SLLB642845	64	28.4	45
SLLB642854	64	28.4	54
SLLB643245	64	32.4	45
SLLB643745	64	37.1	45
SLLB643845	64	38	45
SLLB644040	64	40	40
SLLB853757	85	37	57
SLLB855157	85	51	57

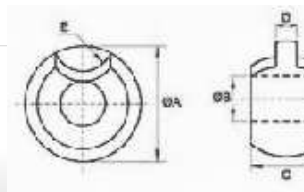
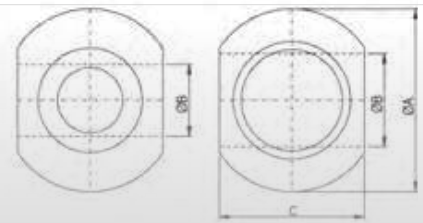


TOP LINK BALLS

CODE	A	B	C
STLB381944	38	19	44
STLB382035	38	20	35
STLB382044	38	20	44
STLB382235	38	22.1	35
STLB382244	38	22.1	44
STLB442051	44	20	51
STLB462044	46	20	44
STLB462051	46	20	51
STLB462244	46	22.1	44.5
STLB462542	46	25.4	42
STLB462544	46	25.4	44
STLB462551	46	25.4	51
STLB462845	46	28.4	45
STLB501848	50	18	48
STLB501944	50	19	44
STLB502044	50	20.2	44
STLB502251	50	22.1	51
STLB502245	50	22.25	45
STLB502351	50	23	51
STLB502544	50	25.4	44
STLB502549	50	25.4	49
STLB5025.251	50	25.2	51
STLB502551	50	25.4	51
STLB503051	50	30	51
STLB522845	52	28.4	45
STLB541960	54	19	60
STLB542551	54	25.4	51
STLB542845	54	28.4	45
STLB543055	54	30	55
STLB543555	54	35	55
STLB602551	60	25.4	51
STLB603251	60	32	51
STLB622551	62	25.4	51
STLB623251	62	32	51
STLB783263	78	32	63
STLB784065	78	40	65
STLB784075	78	40	75
STLB784563	78	45	63
STLB784575	78	45	75
STLB785075	78	50	75



CODE	A	B	C
SBD 5645	56	22.1/28.4	45
SBD 5745	57	22.1/28.4	45

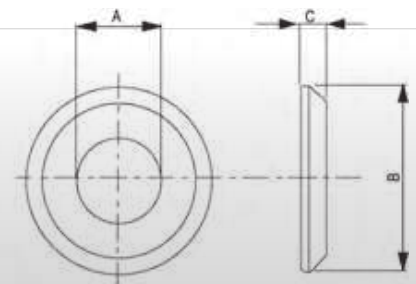


BALL WITH CUT

CODE	A	B	C	D	E
SMFB 22	57	22.1	35	10	R35
SMFB 28	57	28.4	44.5	10	R35

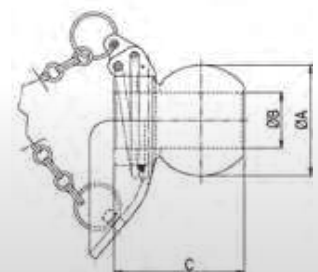
SPACER

CODE	A	B	C
SSR 2856	28.4	56	7
SSR 2864	28.4	64	7
SSR 3764	37.1	64	7



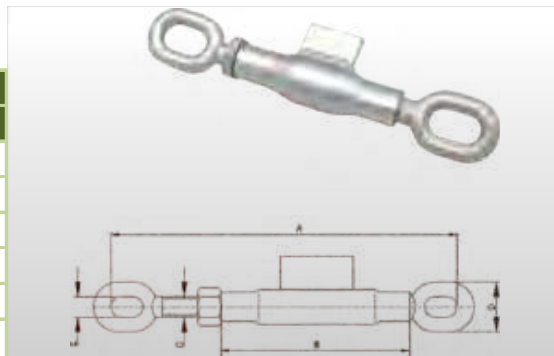
GUIDE CONE BALL

CODE	A	B	C	LINCH PIN SIZE
SGCB4422	44	22.1	53.5	11
SGCB5622	56	22.1	66	11
SGCB5628	56	28.4	66	11
SGCB5637	56	37.1	66	11
SGCB6428	64	28.4	66	11
SGCB6437	64	37.1	72	11
SGCB6437	64	37.1	72	11



STABILIZER ASSEMBLY (REPLACES MTZ BELARUS)

CODE	A		B	C	D	E
	Min	Max.				
SSA 16	245	315	130	M16X2	38	15
SSA 18	245	320	135	M18X2.5	38	15
SSA 20	280	350	130	M20X2.5	38	15
SSA 22	280	350	150	M22X2.5	38	15
SSA 24	300	370	150	M24X2.5	55	25
SA 25 HEAVY	300	370	150	M24X2.5	55	25



STABILIZER CHAIN ASSEMBLY

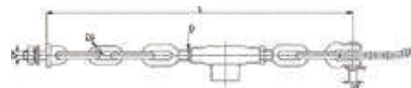
CODE	TYPE	L-MIN	THREAD	D1	D2	D3	NO. OF LINKS
			D				
SSCA01	1	430	16X2	18X2.5	12	12	2+2
SSCA02	1	370	16X2	22X1.5	14-D	12	1+1
SSCA03	1	520	16X2	18X2.5	12	12	3+3
SSCA04	1	450	16X2	22X1.5	14-D	12	2+1
SSCA05	1	430	16X2	22X1.5	14-D	14	1+1
SSCA06	1	570	16X2	18X2.5	12	12	3+4
SSCA07	1	370	16X2	22X1.5	14-D	14	1+1
SSCA08	2	445	20X2.5	20X2.5	12	12	1+1
SSCA09	2	570	20X2.5	20X2.5	14	12	2+2
SSCA10	2	690	20X2.5	20X2.5	14	12	3+3
SSCA11	2	620	20X2.5	20X2.5	14	12	3+2
SSCA12	2	500	20X2.5	24X2.0	16	14	1+2
SSCA13	3	620	20X2.5	20X2.5	14	12	3+2
SSCA14	3	570	20X2.5	20X2.5	14	12	2+2



CODE : SCA-MF-2
Replaces MF : IRAN



STABILIZER CHAIN ASSEMBLY (MF)
CODE : SCA-MF-1
Replaces MF : 1661 406 M91 Fits : 265, 275, 290, 565, 575, 590



TYPE-1



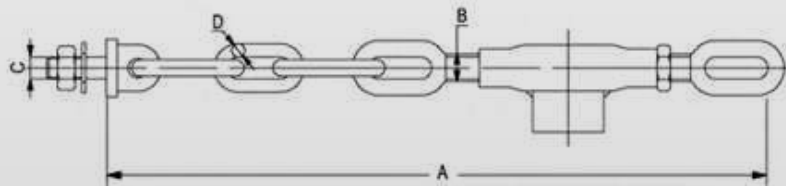
TYPE-2



TYPE-3

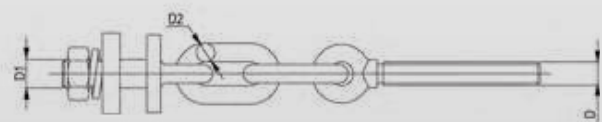
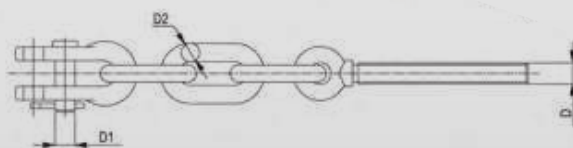
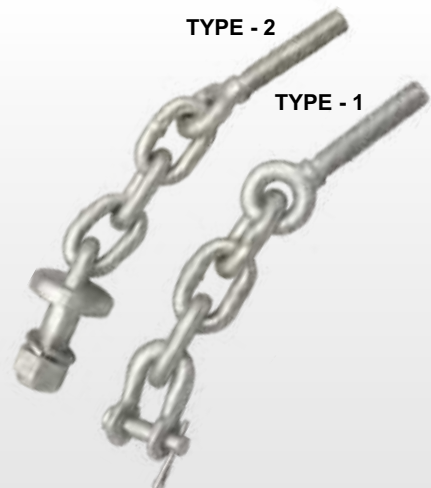
STABILIZER CHAIN ASSEMBLY

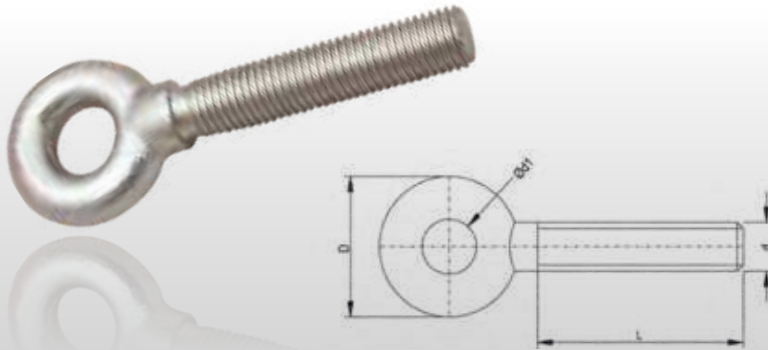
CODE	A	B	C	D	NO. OF LINKS
SSCA-B1	400	M22X2.5	M20X2.5	14	1
SSCA-B2	480	M22X2.5	M20X2.5	14	3
SSCA-B3	580	M22X2.5	M20X2.5	14	5
SSCA-B4	680	M22X2.5	M20X2.5	14	7
SSCA-B5	400	M24X2.5	M20X2.5	14	1
SSCA-B6	480	M24X2.5	M20X2.5	14	3
SSCA-B7	580	M24X2.5	M20X2.5	14	5
SSCA-B8	680	M24X2.5	M20X2.5	14	7



SIDE CHAIN LINK

CODE	TYPE	THREAD	D1	D2	NO. OF LINKS
		D			
SSCL01	1	M16X2 RH	12	12	3
SSCL02	1	M16X2 RH	12	12	4
SSCL03	1	M16X2 LH	14-D	12	1
SSCL04	1	M16X2 LH	14-D	14	1
SSCL05	2	M16X2 RH	M22X1.5	12	1
SSCL06	2	M16X2 RH	M22X1.5	14	1
SSCL07	2	M16X2 LH	M18X1.5	12	3
SSCL08	2	M16X2 RH	M18X1.5	12	2

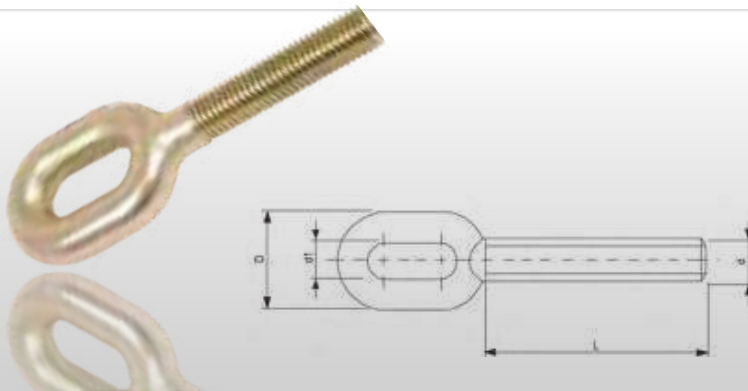




STABILIZER HEADS

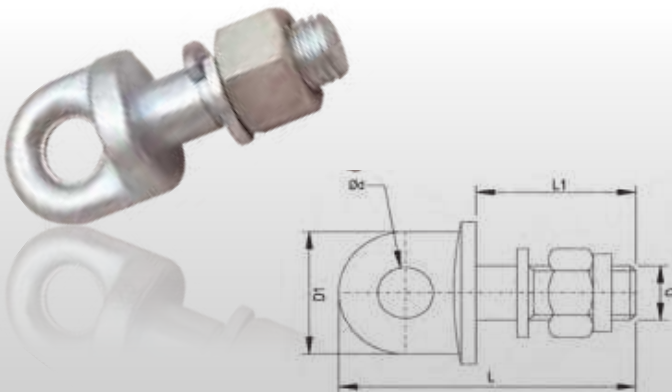
CODE	d	L	D	d1
SSH16	M16X2	70	46	18
SSH20	M20X2.5	85	46	18

* Available in Right & Left Hand Thread



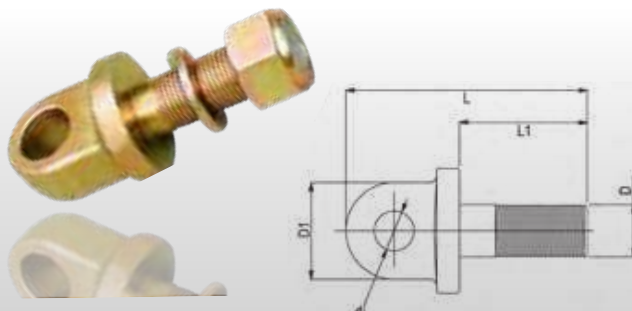
CODE	d	L	D	d1
SSH 18	M18X2.5	70	39	15
SSH 20	M20X2.5	75	39	15
SSH 22	M22X2.5	80	39	15
SSH 16	M16X2	70	39	15
SSH 24	M24X2.5	66	55	25

* Available in Right & Left Hand Thread



EYE END (TYPE A)

CODE	D	L	DIA-d	D1	L1
SEE 16	M16X1.5	80	15	36	43
SEE 18	M18X2.5	80	15	36	43
SEE 20	M20X2.5	100	18	40	60
SEE 20L	M20X2.5	125	20	53	65
SEE 24	M24X2	125	24	53	65



EYE END (TYPE B)

CODE	D	L	DIA-d	D1	L1
SEE 20B	M20X2.5	125	20	42	65
SEE 24B	M24X2	125	24	42	65

DRAWBAR (CROSS SECTION - 63 X 25MM)

CODE	A	B	C	D	E	F	NO. OF HOLES
SDB01	774	57	75	51	22	19	11
SDB02	775	57.5	75	51	22	22.4	11
SDB03	774	57	76.2	63.5	22.2	19.5	9
SDB04	613	51	84.5	57	22	22.2	7
SDB05	610	51	83	57	22	22	7
SDB06	770	50	105	76.6	22	22	7
SDB07	420	57	66	58	22	22	4
SDB08	421	58	61	61	22	22	4
SDB09	774	57	75	51	22	19	11
SDB10	775	57	114	54	22	22	9
SDB11	610	51	74	60	16	16	7
SDB12	580	50	80	80	22	22	5



DRAWBAR (CROSS SECTION 76 X 32MM)

CODE	A	B	C	D	E	F	NO. OF HOLES
SDB01	930	55	110	10	28	28	7
SDB02	750	55	80	80	28	25.4	7
SDB03	890	64	126	85	28	29	7
SDB04	940	60	152	86	28.4	28.4	7
SDB05	981	60	154.5	92	28.4	28.4	7
SDB06	861	60.5	140	15	28.4	27	5
SDB07	960	55	100	65	28	26	11
SDB08	940	55	110	110	28	30(4) / 26(3)	7
SDB09	800	58	104.5	95	28.5	20	6
SDB10	935	55	87.5	65	28	22	11
SDB11	932	60	76	55	28	19	13
SDB12	760	60	60	52	28.6	19	11
SDB13	940	60	76	55.6	28	19	13
SDB14	940	60	76	55.6	28	22.4	13
SDB15	876	50	100	96	28	28	7
SDB16	930	55	85	109	28	26	7
SDB17	933	55	86.5	65	28	22	11
SDB18	960	55	100	65	28	22	11
SDB19	890	55	124	886	28	28	7
SDB20	932	60	86	64	28	28	11
SDB21	945	60	92.5	80	28	22	9
SDB22	933	55	86.5	65	28	22	11
SDB23	932	61.7	49.7	86.2	28	26	7
SDB24	945	60	92.5	80	28	33	9
SDB25	940	60	85	110	28	29	7
SDB26	925	50	172.5	80	28.4	25	7
SDB27	962	51	110	80	28.4	33	9
SDB28	910	55	80	80	28	25.4	9
SDB29	960	62	78	68	28	28	11
SDB30	980	55	87	87	28	25.4	9
SDB31	800	70	70	65	28	28.4	9
SDB32	933	60	81.5	65	28	28.4	11

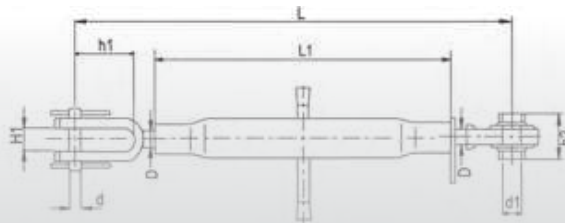


DRAWBAR (CROSS SECTION - 63 X 30MM)

CODE	A	B	C	D	E	F	NO. OF HOLES
SDB01	620	50	72	47	28	28	9
SDB02	505	52.5	68	66	22	19.5	5
SDB03	800	58	86	64	22	22	9
SDB04	774	57	75	51	22	19	11
SDB05	720	58	70	58	22	22	9
SDB06	614	51	85	57	22	19	7
SDB07	960	55	100	65	28	22	11
SDB08	764	52	60	54	22	22	11
SDB09	765	53	60	54	22	20	11
SDB10	780	60	60	54	28	20	11
SDB11	758	49	114	54	22	20	9
SDB12	780	60	114	54	28	20	9
SDB13	762	51	114	54	22	20	9
SDB14	770	55	110	55	22	20	9
SDB15	770	55	110	55	28	20	9
SDB16	648	49	113	54	22	20	7
SDB17	440	55	110	55	22	20	3
SDB18	726	58	80	75	22	22	7
SDB19	800	70	70	65	28	22	9
SDB20	540	70	70	65	28	22	5
SDB21	570	85	70	65	22	22	5
SDB22	650	65	60	50	22	26	9
SDB23	800	58	82	65	22	22	9
SDB24	800	70	114	54	28	22	9
SDB25	766	60	60	52.6	28	20	11
SDB26	937	60	88.5	80	28	26	9
SDB27	680	51	115	58	22	20	7
SDB28	683	49	82.5	70	22	20	7
SDB29	510	53	94	54	22	20	5
SDB30	540	55	75	70	28	20	5
SDB31	962	60	181	80	28	28.2	7
SDB32	766	53	60	54	22	20	11
SDB33	920	60	100	60	28	22	11
SDB34	872	61	159	54	28	20	9
SDB35	800	58	82	65	22	22	9
SDB36	800	70	70	65	28	22	9
SDB37	620	50	72	47	22	22	9
SDB38	622	50	71	47.5	22	19	9
SDB39	780	60	60	54	28	20	11
SDB40	780	60	60	54	22	20	11
SDB41	780	60	60	54	28	20	11
SDB42	656	53	113	54	22	20	7
SDB43	962	60	181	80	28	20	7
SDB44	962	60	181	80	28	28	7
SDB45	796	57.5	101	60	22	22.2	9
SDB46	800	70	70	65	28	22	9
SDB47	800	52	78	54	22	22	11
SDB48	800	60	70	54	28.4	22	11
SDB49	750	59	64	64	22	19.5	9
SDB50	800	70	70	65	28	22	9
SDB51	774	57	75	51	22	22	11
SDB52	800	58	126	54	22	22	9
SDB53	510	55	35	55	22	20	7

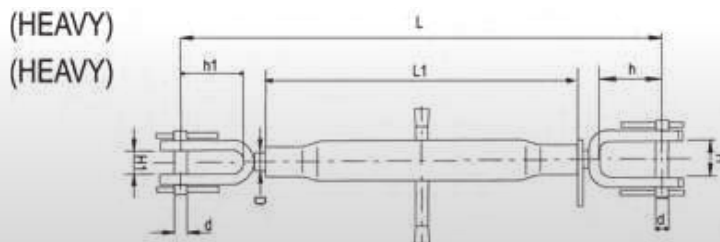


CODE	L (MIN)	L (MAX)	L1	D	d	H1	h1	d1	h2
SALA19230	380	530	230	M24X3	18	24	72	19	44
SALA22230	380	530	230	M24X3	18	24	72	22.1	35
SALA19410	410	560	260	M24X3	18	24	72	19	44
SALA22410	410	560	260	M24X3	18	24	72	22.1	35
SALA22490	490	657	340	M24X3	16	24	72	22.1	35
SALA22520	520	690	380	M24X3	16	24	72	22.1	35



ADJUSTABLE LEVELLING ARM

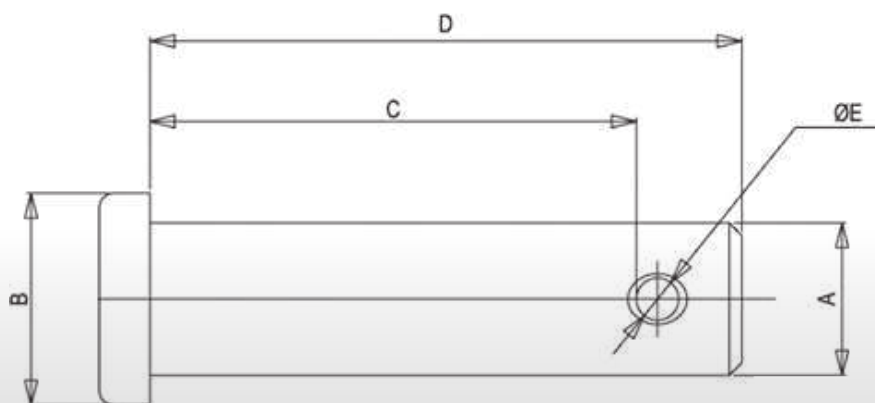
CODE	L (MIN)	L (MAX)	L1	D	d	H	h	H1	h1
SALA18200	380	490	200	M22X2.5	18	30	60	24	72
SALA18260	450	600	260	M24X3.0	18	40	70	24	72
SALA18290	500	650	290	M27X3.0	18	40	70	24	72
SALA 16250	450	610	250	M30X3.5	16	44	80	26.5	80
SALA 16225	450	565	225	M30X3.5	16	40	85	26.5	90



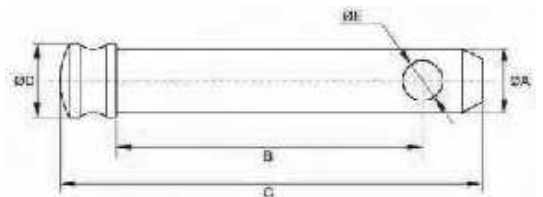
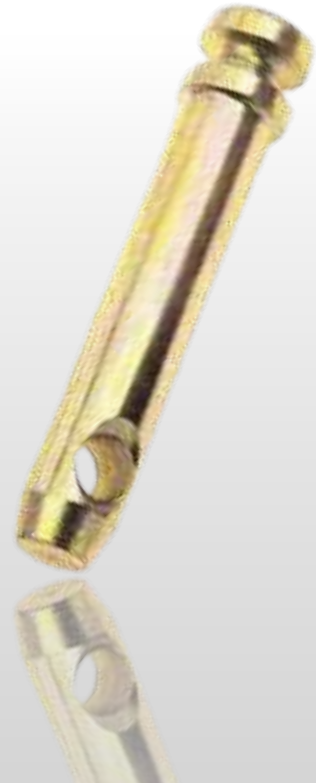
CLEVISE PINS

(AVAILABLE IN GOLDEN FINISH & SILVER FINISH)

CODE	A	B	C	D	ØE
S-3/4-2.000	3/4"	0.934"	1.765"	2.000"	0.156"
S-3/4-4.000	3/4"	0.934"	3.765"	4.000"	0.156"
S-3/4-6.000	3/4"	0.934"	5.766"	6.000"	0.156"
S-7/8-2.000	7/8"	1.030"	1.703"	2.000"	0.203"
S-7/8-3.000	7/8"	1.030"	2.703"	3.000"	0.203"
S-7/8-5.000	7/8"	1.030"	3.203"	3.500"	0.203"
S-1-2.000	1"	1.184"	1.703"	2.000"	0.203"
S-1-4.000	1"	1.184"	3.703"	4.000"	0.203"
S-1-6.000	1"	1.184"	5.703"	6.000"	0.203"
S-1-7.000	1"	1.184"	6.703"	7.000"	0.203"
S-1-1/8-3.000	1-1/8"	1.375"	2.375"	3.000"	0.250"
S-1-1/8-6.000	1-1/8"	1.375"	5.3875"	6.000"	0.250"
S-1-1/4-4.000	1-1/4"	1.485"	3.375"	4.000"	0.250"
S-1-1/4-6.000	1-1/4"	1.485"	5.375"	6.000"	0.250"
S-1-3/8-4.000	1-3/8"	1.750"	2.375"	3.000"	0.250"
S-1-3/8-6.000	1-3/8"	1.750"	5.375"	6.000"	0.250"
S-1-1/2-3.000	1-1/2"	2.000"	2.375"	3.000"	0.250"
S-1-1/2-9.000	1-1/2"	2.000"	8.375"	9.000"	0.250"
S-1-5/8-3.000	1-5/8"	2.000"	2.375"	3.000"	0.250"
S-1-5/8-6.000	1-5/8"	2.000"	5.375"	6.000"	0.250"
S-1-3/4-3.000	1-3/4"	2.250"	2.375"	3.000"	0.250"
S-1-3/4-6.000	1-3/4"	2.250"	5.375"	6.000"	0.250"
S-1-7/8-3.000	1-7/8"	2.250"	2.375"	3.000"	0.250"
S-1-7/8-9.000	1-7/8"	2.250"	8.375"	9.000"	0.250"
S-2-4.000	2"	2.375"	3.375"	4.000"	0.250"
S-2-9.000	2"	2.375"	8.375"	9.000"	0.250"

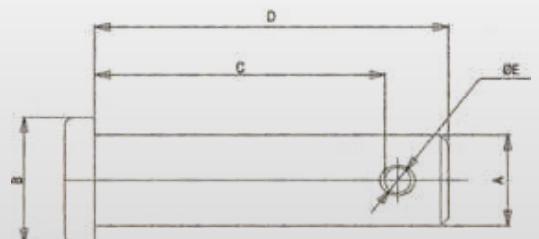
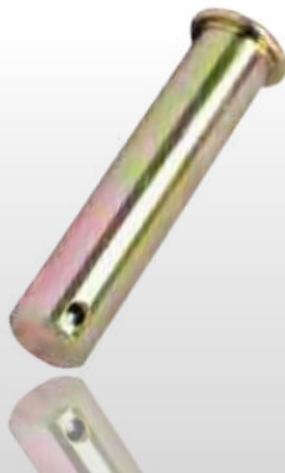


CODE	A	B	C	D	E
STLP 16076	15.9	76	113	19	7
STLP 16082	15.9	82	112	19	7
STLP 19052	19	52	90	22	12
STLP 19057	19	57	90	22	12
STLP 19076	19	76	112	22	12
STLP 19092	19	92	127	22	12
STLP 19095	19	95	133	28	12
STLP 19105	19	105	135	28	10
STLP 19125	19	125	155	28	10
STLP19145	19	145	175	28	10
STLP 22076	22	76	114	25	12
STLP 22094	22	94	132	25.4	12
STLP 22105	22	105	136	34	12
STLP 22110	22	110	140	25	12
STLP 22125	22	125	158	30	11
STLP 22145	22	145	178	30	11
STLP 25076	25	76	115	28	12
STLP 25085	25	85	124	32	11
STLP 25095	25	95	132	28	12
STLP 25125	25	125	156	32	11
STLP 25086	25.4	86	123	28	12
STLP 25110	25.4	110	148	28	12
STLP 25116	25.4	116	154	28	12
STLP 25142	25.4	142	180	28	12
STLP 28103	28	103	145	32	12
STLP 28125	28	125	156	34	12
STLP 28145	28	145	178	34	12
STLP 28159	28.6	159	197	32	12
STLP 31118	31.7	118	160	38	12
STLP 32105	32	105	145	42	12
STLP 32125	32	125	164	38	12
STLP 32136	32	136	175	38	12



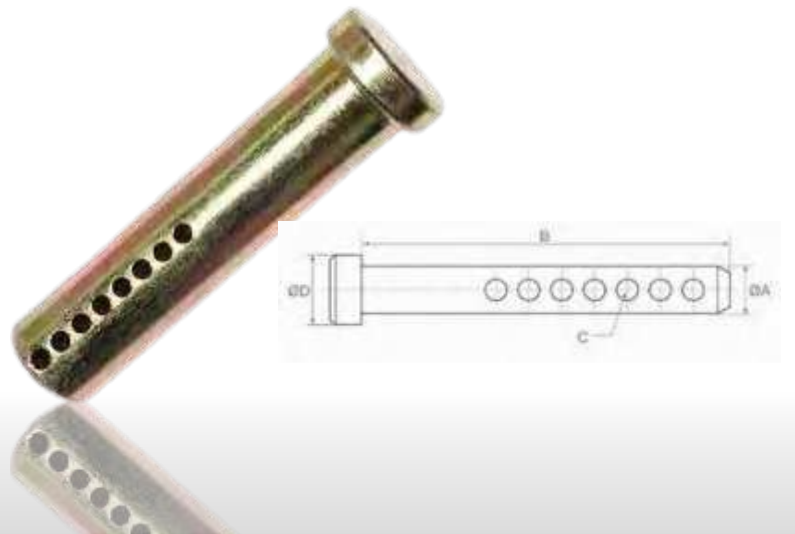
TOP LINK PIN CONCAVE HEAD

CODE	A	B
STLP 3/4-4.00	3/4"	4.0"
STLP 3/4-5.50	3/4"	5.5"
STLP 7/8-4.50	7/8"	4.5"
STLP 7/8-5.50	7/8"	5.5"
STLP 1-4.50	1"	4.5"
STLP 1-5.50	1"	5.5"
STLP 1-6.00	1"	6.0"
STLP 1-6.50	1"	6.5"
STLP 1-1/8-5.50	1-1/8"	5.5"
STLP 1-1/8-6.50	1-1/8"	6.5"
STLP 1-1/8-4.50	1-1/8"	4.5"



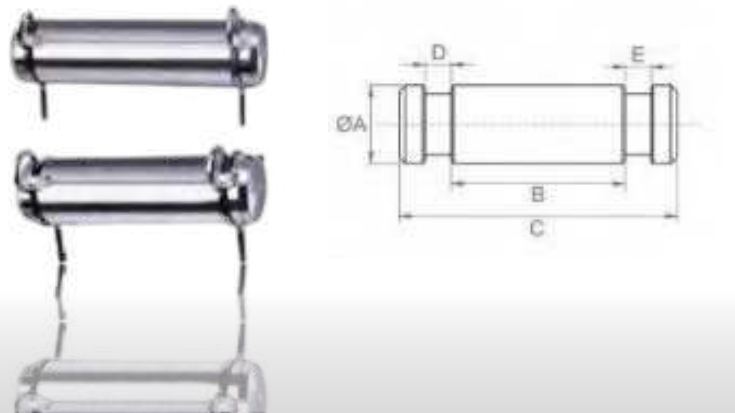
UNIVERSAL CLEVIS PINS

CODE	A	B	C	D	NO. OF HOLES
SUCP 6050	6	50	2.5	9	5
SUCP 8050	8	50	3	12	5
SUCP 1050	10	50	4	14	5
SUCP 1150	11	50	4	15	5
SUCP 1163	11	63	4	15	5
SUCP1176	11	76	4	15	7
SUCP1250	12	50	4	16	5
SUCP1263	12	63	4	16	7
SUCP1276	12	76	4	16	7
SUCP1676	16	76	5	20	7
SUCP1976	19	76	6	24	7



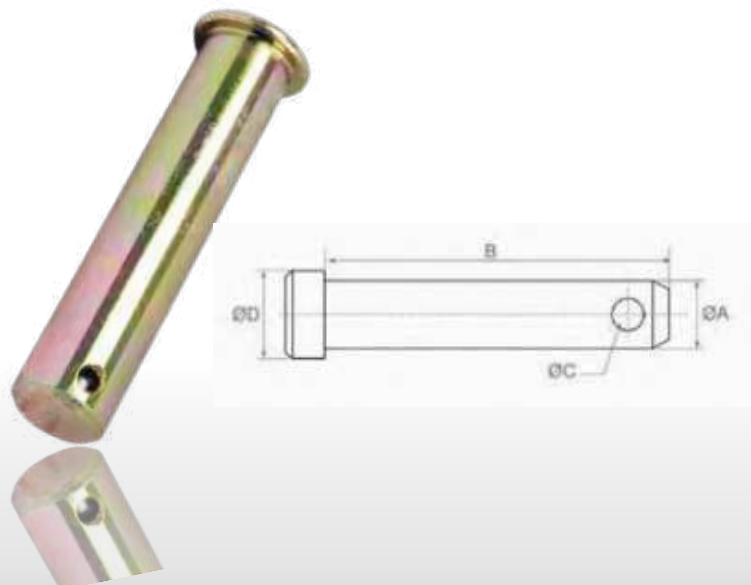
CYLINDER PIN

CODE	A	B	C	D	E
SCLP 18052	18	52	70	6	6
SCLP 18072	18	72	90	6	6
SCLP 18082	18	82	100	6	6
SCLP 20058	20	58	76	6	6
SCLP 22052	22	52	70	6	6
SCLP 24091	24	91	109	6	6
SCLP 26057	26	57	76	6	6
SCLP 28091	28	91	109	6	6

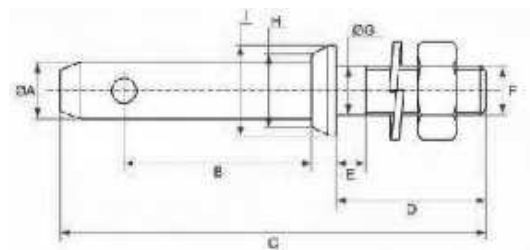


STANDARD CLEVIS PINS

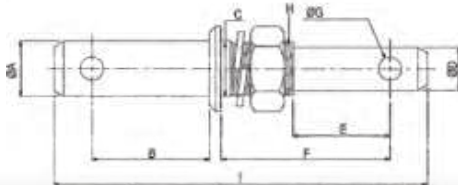
CODE	A	B	C	D
SSCP4516	4.5	16	2.5	9
SSCP6020	6	20	2.5	10
SSCP6025	6	25	2.5	10
SSCP8019	8	19	3	12
SSCP8024	8	24	3	12
SSCP8028	8	28	3	12
SSCP8032	8	32	3	12
SSCP8038	8	38	3	12
SSCP8045	8	45	3	12
SSCP1025	10	25	4	12
SSCP1032	10	32	4	14
SSCP1045	10	45	4	14
SSCP1132	11	32	4	15
SSCP1145	11	45	4	15
SSCP1238	12	38	4	16
SSCP1250	12	50	4	16



CODE	A	B	C	D	E	F	G	H	I
SLLP2201M	22	50	130	40	5	M20X1.5	20	32	38
SLLP2202M	22	50	140	40	14	M20X1.5	22	30	38
SLLP2203M	22	50	140	40	14	M22X1.5	28	30	38
SLLP2204U	22	51	149	54	11	7/8"UNF	22	30	36
SLLP2205U	22	51	140	48	6	3/4"UNF	19	30	36
SLLP2206U	22	51	140	43	11	5/8"UNF	22	30	36
SLLP2207U	22	51	146	38	22	7/8"UNF	28.6	30	36
SLLP2208U	22	51	146	50.8	9.5	7/8"UNF	28.6	32	38
SLLP2209U	22	51	146	50.8	9.5	1"UNF	25.4	30	36
SLLP2210U	22	51	138	38	14	7/8"UNF	28.6	30	36
SLLP2211M	22	51	128	38	10	M20X1.5	20	30	36
SLLP2212M	22	51	128	38	10	M20X1.5	20	30	36
SLLP2213M	22	60	150	40	20	M22X1.5	22	32	38
SLLP2214M	22	60	150	40	20	M22X1.5	28	32	38
SLLP2215M	22	60	146	40	20	M22X1.5	25	32	32
SLLP2216U	22	51	140	45	10	7/8"UNF	22	30	34
SLLP2517U	22	64	165	56	16	7/8"UNF	22.2	32	38
SLLP2518M	25	60	150	40	20	M22X1.5	25	34	40
SLLP2519M	25	60	150	40	20	M22X1.5	28	32	38
SLLP2820M	28	50	155	30	50	M30X2.0	30	48	50
SLLP2821M	28	55	150	45	14	M22X1.5	24	36	42
SLLP2822M	28	55	150	45	15	M24X1.5	24	37	43
SLLP2823M	28	55	150	45	14	M27X1.5	28	38	43
SLLP2824M	28	58	147	48	10	M27X1.5	27	37	43
SLLP2825M	28	58	147	48	10	M27X1.5	27	48	50
SLLP2826M	28	60	150	45	14	M22X1.5	22	38	44
SLLP2827M	28	60	150	40	20	M22X1.5	28	38	44
SLLP2828M	28	60	150	40	20	M22X1.5	22	38	44
SLLP2829M	28	60	150	40	20	M22X1.5	24	48	44
SLLP2830M	28	62	147	38	20	M22X1.5	28	38	50
SLLP2831M	28	64	160	38	25	M27X1.5	28	48	44
SLLP2832M	28	65	160	30	40	30X2	30	48	50
SLLP2833M	28	71	160	40	30	30X2	30	48	50
SLLP2834U	28.6	51	133.5	42	11	7/8"UNF	22	37	43
SLLP2835U	28	51	159	60	16	9/8"UNF	28.6	38	44
SLLP2836U	28.6	51	149	36.5	24	3/4"UNF	25.4	38	44
SLLP2837U	28.6	57	159	60	16	9/8"UNF	28.6	37	43
SLLP2838U	28.6	60	149	51	9.5	9/8"UNF	28.6	37	43
SLLP2839U	28.6	60	149	50.8	9.5	1"UNF	25.4	38	44
SLLP2840U	28.6	60	149	54	6.3	3/4"UNF	19	38	44
SLLP2841U	28.6	60	149	38	22	7/8"UNF	28.6	38	44
SLLP2842U	28.6	60	136.5	35	12.7	7/8"UNF	22	38	44
SLLP2843U	28.6	60	145	44	12.7	7/8"UNF	22	38	44
SLLP2844U	28.6	63.15	160	54	14	7/8"UNF	22.2	38	44
SLLP3645U	36	54	149	48	16	9/8"UNF	28.6	46	52
SLLP3646U	36.5	58	149	45	14	1.3/8"UNF	35	45	52
SLLP3647M	36.5	61	165	60	11	27X1.5	27	48	50

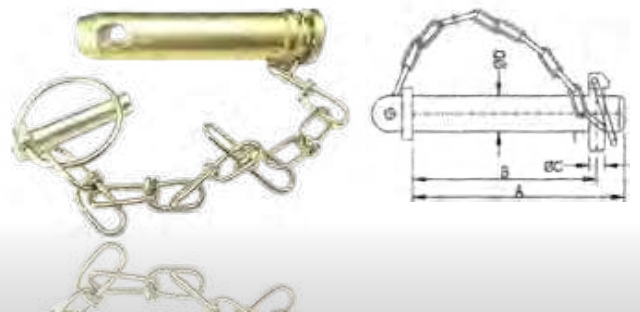


CODE	A	B	C	D	E	F	G	H	I
SDMP 2801M	28	62	25	22	52	92	12	M24X1.5	190
SDMP 2802M	28	58	25	22	48	90	12	M24X2	195
SDMP 2803M	28	58	28	22	48	90	12	M27X3	195
SDMP 2804M	28	58	28	22	48	90	12	M27X1.5	195
SDMP 2805U	28	60	25	22	51	98	12	1"UNF	203
SDMP 2806U	28.6	62	25.4	22	52	84	12	1"UNF	190.5
SDMP 2807U	28.6	62	28	22	51	89	12	9/8"UNC	197
SDMP 2808M	36.5	61	30	28	51	111	17/12	M30X2	219



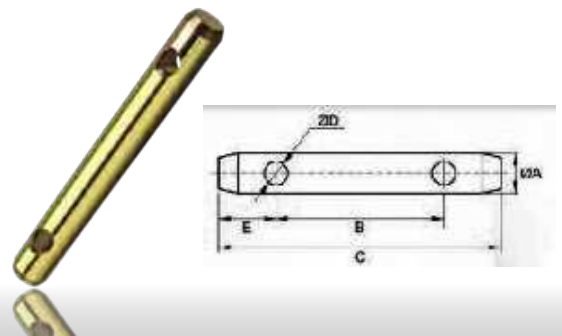
TOP LINK PIN WITH LINCH PIN

CODE	A	B	C	D
STPWL19092	92	77	6	19
STPWL19120	120	108	8	19
STPWL25120	120	108	8	25
STPWL25120-98	120	98	8	25



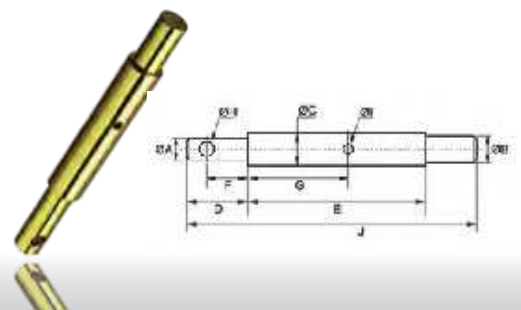
TOP LINK PIN WITHOUT HEAD

CODE	A	B	C	D	E
STLPWH19140	19	96	140	12	22
STLPWH19170	19	126	170	12	22
STLPWH19207	19	163	207	12	22
STLPWH19254	19	210	254	12	22
STLPWH25164	25	120	164	12	22



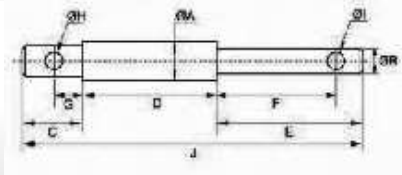
INTERCHANGEABLE IMPLEMENT MOUNTING PIN

CODE	A	B	C	D	E	F	G	H	I	J
SIIMP22200	22	22	28	55	115	40	67	12	6.5	200
SIIMP25200	25	22	28	55	115	40	67	12	6.5	200



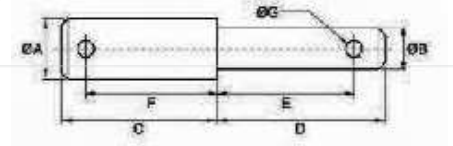
DOUBLE IMPLEMENT MOUNTING PIN

CODE	A	B	C	D	E	F	G	H	I	J
SDIMP25210	25	19	40	70	100	80	20	12	12	210
SDIMP25212	25	19	38	96	78	62	22	12	12	212
SDIMP25170	25	19	26	66	78	70	18	6.5	6.5	170
SDIMP28200	28	22	35	75	90	75	20	12	12	200
SDIMP28210	28	22	40	70	100	80	20	12	12	210
SDIMP28230	28	22	40	90	100	80	20	12	12	230
SDIMP28229	28.6	22.2	40	89	100	80	20	12	12	229
SDIMP32250	32	25	40	115	95	81	26	12	12	250
SDIMP36277	36.5	28	36	150	91	81	26	12	12	277
SDIMP36290	36.5	28	45	150	95	80	28	12	12	290



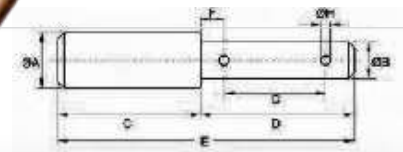
WELD ON END MOUNTING PIN

CODE	A	B	C	D	E	F	G
SWOMP 01	28	22	62.5	84.5	70.5	47	12
SWOMP 02	28	22	76.5	104.5	88	60	12
SWOMP 03	28	22	85	105	85	62	12
SWOMP 04	28	22	103	78	60	87.3	12
SWOMP 05	28	22	120	56	39	92	12
SWOMP 06	28.6	22	76	105	87.3	60	12
SWOMP 07	34	28	61	80	62	43.5	12



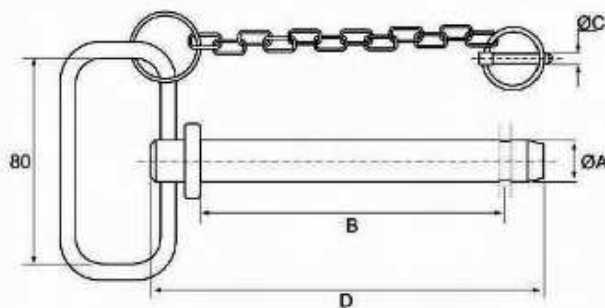
IMPLEMENT PIN

CODE	A	B	C	D	E	80F	G	H
SIP 19156	19	16	74	82	156	16.5	55	5
SIP 22168	22	16	80	88	168	12	68	5
SIP 25166	25	19	85	81	166	18	53	5
SIP 25160	25	19	80	80	160	18	53	5
SIP 25180	25	19	90	90	180	18	57	5
SIP 28180	28	22	90	90	180	18	57	5
SIP 28175	28	22	90	85	175	16.5	50	6
SIP 28180	28	22	90	90	180	16.5	61	6
SIP 32178	32	25	83	95	178	18	62	6.5
SIP 32172	32	25	80	92	172	22	55	6.5



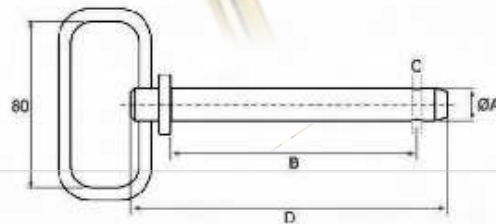
HITCH PIN WITH LINCH PIN & CHAIN

CODE	A	B	C	D
SHPWLP12093	12.7	92.5	6.5	127
SHPWLP12111	12.7	111	6.5	146
SHPWLP16103	15.9	103	6.5	136
SHPWLP16111	15.9	111	6.5	146
SHPWLP16165	15.9	165	6.5	200
SHPWLP19102	19	102	6.5	140
SHPWLP19110	19	110	6.5	147
SHPWLP19111	19	111	8.5	148
SHPWLP19115	19	115	12	153
SHPWLP19165A	19	165	8.5	200
SHPWLP19165B	19	165	6.5	204
SHPWLP19165C	19	165	8.5	204
SHPWLP22115	22	115	6.5	153
SHPWLP22128	22	128	6.5	168
SHPWLP22165A	22	165	6.5	200
SHPWLP22165B	22	165	10	204
SHPWLP25165A	25	165	10	204
SHPWLP25165B	25	165	6.5	204
SHPWLP25189	25	189	12	227
SHPWLP28100	28	100	12	138
SHPWLP28120	28	120	10	158
SHPWLP28156	28	156	12	196
SHPWLP 28165	28	165	6.5	204
SHPWLP 28190	28	190	6.5	228
SHPWLP 28189	28	189	12	228
SHPWLP30183	30	183	12	220
SHPWLP32162	32	162	6.5	204
SHPWLP32189	32	189	12	227
SHPWLP32165	32	165	10	204
SHPWLP32191	32	191	6.5	228
SHPWLP35189	35	189	12	227
SHPWLP38187	38	187	12	227



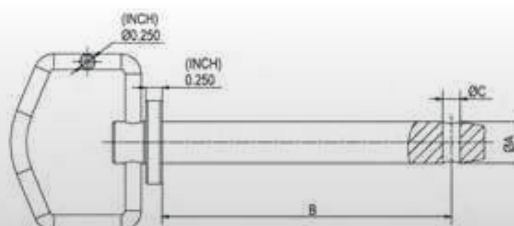
HITCH PIN WITH HAIR PIN

CODE	A	B	C	D
SHPWHP 12090	12.7	90	4	125
SHPWHP 12105	12.7	105	3	142
SHPWHP 12110	12.7	110	4	147
SHPWHP 16105	15.9	105	4	136
SHPWHP 16149	15.9	149	3.5	186
SHPWHP 16162	16	162	4	199
SHPWHP 19098	19	98	4.5	130
SHPWHP 19110	19	110	4.5	147
SHPWHP 19157	19	157	4.5	194
SHPWHP 19162	19	162	4.5	199
SHPWHP 22110	22	110	5	147
SHPWHP 22157	22	157	5	194
SHPWHP 22162	22	162	5	199
SHPWHP 25103	25	103	5	140
SHPWHP 25110	25.4	110	5.5	147
SHPWHP 25158	25	158	6	194
SHPWHP 25162	25	162	6	199
SHPWHP 25181	25	181	6	214
SHPWHP 25118	25	118	6	155
SHPWHP 28183	28	183	7	220
SHPWHP 28162	28.6	162	6.5	199
SHPWHP 32162	32	162	7	199



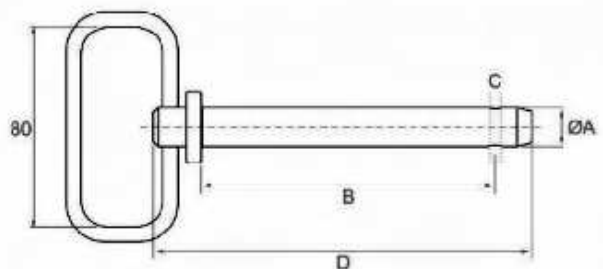
HITCH PIN (TEMPLE HANDLE)

CODE	A	B	C (INCH)
SHPTH 3/8"	3/8"	4-1/4"	0.157
SHPTH 1/2"	1/2"	4-1/4"	0.265
SHPTH 1/2"	1/2"	6-1/4"	0.265
SHPTH 5/8"	5/8"	4-1/4"	0.265
SHPTH 5/8"	5/8"	6-1/4"	0.265
SHPTH 3/4"	3/4"	4-1/4"	0.265
SHPTH 3/4"	3/4"	6-1/4"	0.265
SHPTH 7/8"	7/8"	4-1/4"	0.265
SHPTH 7/8"	7/8"	6-1/4"	0.265
SHPTH 1"	1"	4-1/4"	0.265
SHPTH 1"	1"	6-1/4"	0.265
SHPTH 1-1/8"	1-1/8"	6-1/4"	0.265
SHPTH 1-1/4"	1-1/4"	6-1/4"	0.265



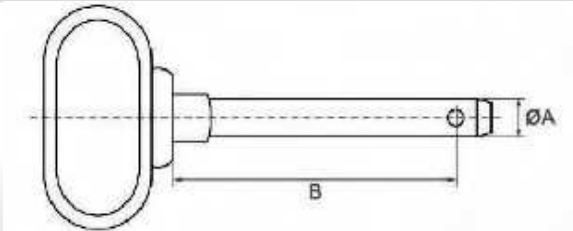
HITCH PIN

CODE	A	B	C	D
SHP 12089	12.7	89	4	127
SHP12102	12.7	102	4	136
SHP 12108	12.7	108	5	144
SHP 12114	12.7	114	5	150
SHP 16089	15.9	89	5	127
SHP 16102	15.9	102	5	136
SHP 16108	15.9	108	5	144
SHP 16114	15.9	114	5	150
SHP 16127	15.9	127	6	165
SHP 19152	19	152	6	192
SHP 19102	19	102	8	136
SHP 19108	19	108	8	144
SHP 19114	19	114	8	150
SHP 19127	19	127	8	165
SHP 19140	19	140	8	178
SHP 19152	19	152	8	190
SHP 22158	22	158	8	196
SHP 22108	22	108	10	144
SHP 22114	22	114	10	150
SHP 22127	22	127	10	165
SHP 22152	22	152	10	190
SHP 22158	22	158	10	198
SHP 22165	22	165	10	204
SHP 25108	25.4	108	10	144
SHP 25114	25.4	114	10	150
SHP 25152	25.4	152	10	190
SHP 25158	25.4	158	10	204
SHP 25165	25.4	165	10	228
SHP 25190	25.4	190	10	150
SHP 28114	28	114	12	190
SHP 28152	28	152	12	198
SHP 28158	28	158	12	198
SHP 28165	28	165	12	204
SHP 28190	28	190	12	228
SHP 32152	32	152	12	190
SHP 32158	32	158	12	198
SHP 32165	32	165	12	204
SHP 32190	32	190	12	230
SHP 35190	35	190	12	230
SHP 38190	38	190	12	230



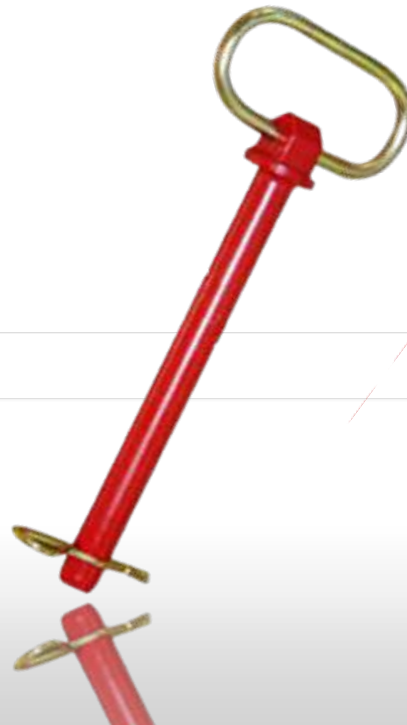
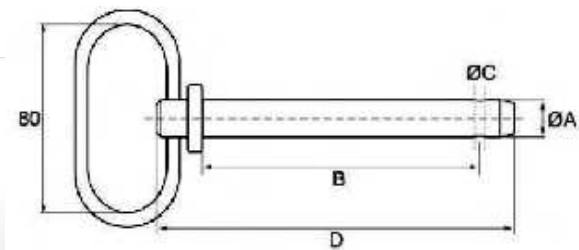
RED HANDLE HITCH PIN

CODE	A	B
SRHHP 12095	12.7	95
SRHHP 16105	15.8	105
SRHHP 16143	15.8	143
SRHHP 19105	19	105
SRHHP 19165	19	165
SRHHP 22105	22	105
SRHHP 22165	22.4	165
SRHHP 25115	25.4	115
SRHHP 25133	25.4	133
SRHHP 25203	25.4	203
SRHHP 28220	28.5	220
SRHHP 32220	31.75	220
SRHHP 38220	38.1	220



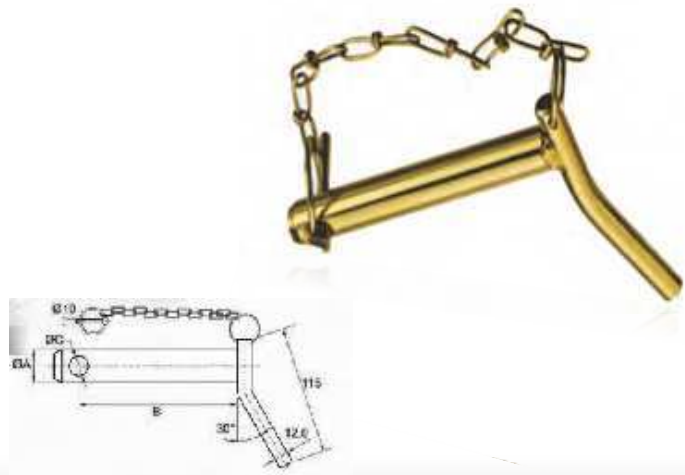
ORANGE HITCH PIN WITH HAIR PIN

CODE	A	B	C	D
SOHP 16155	16	155	4	192
SOHP 19104	19	104	5	141
SOHP 19162	19	162	5	199
SOHP 22168	22	168	5	205
SOHP 25175	25.4	175	6	212



BENT HANDLE HITCH PIN

CODE	A	B	C
SBHHP19123	19	123	12
SBHHP19135	19	135	12
SBHHP19175	19	175	12
SBHHP22123	22	123	12
SBHHP22135	22	135	12
SBHHP22175	22	175	12
SBHHP25123	25	123	12
SBHHP25135	25	135	12
SBHHP25175	25	175	12
SBHHP28135	28	135	12
SBHHP28175	28	175	12
SBHHP28123	28	123	12
SBHHP32175	32	175	12



BENT TYPE HITCH PIN

CODE	A	B	C	D
SBPH12076	12.7	76	4	85
SBPH16076	15.9	76	5	88
SBPH16089	15.9	89	5	102
SBPH19089	19	89	5	102
SBPH19099	19	99	5	111



WIRE LOCK HITCH PIN

CODE	A	B	C
SWLHP12102	12	102	140
SWLHP16102	16	102	140
SWLHP19102	19	102	140
SWLHP19152	19	152	190
SWLHP22152	22	152	190
SWLHP25152	25	152	190



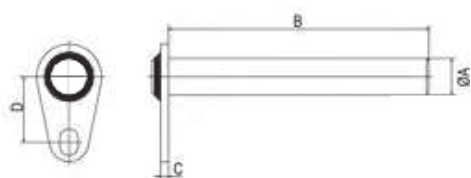
SQUARE HEAD PINS

CODE	A	B	C	D	E	F	G
SSHP19088	19	88	109	40	65	8	6
SSHP24088	24	88	109	40	65	8	6

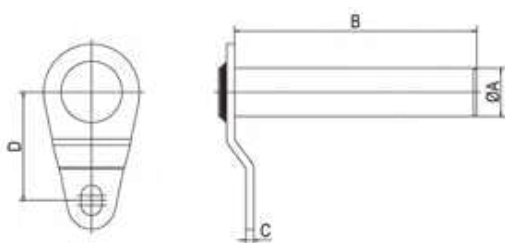


FISH PIN

CODE	A	B	C	D
SFP 20070	20	70	5	30
SFP 20105	20	105	5	30
SFP 20195	20	195	5	83
SFP 25060	25	60	5	30
SFP 25074	25	74	5	30
SFP 25080	25	80	5	30
SFP 25088	25	88	5	30
SFP 25094	25	95	5	67
SFP 25114	25	114	5	70
SFP 25125	25	125	5	40
SFP 25145	25	145	5	30
SFP 25155	25	155	5	35
SFP 25200	25	200	5	30
SFP 30065	30	65	5	30
SFP 30074	30	74	5	30
SFP 30079	30	79	5	73
SFP 35175	35	175	5	30
SFP 38138	38	138.5	8	72.5
SFP 38188	38	188.5	8	72.5

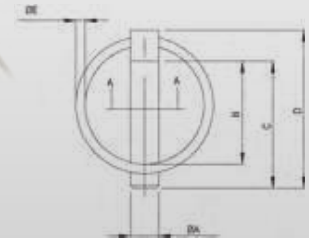


CODE	A	B	C	D
SFP 20055	20	55	5	50
SFP 30093	30	93	5	70
SFP 30118	30	118	5	70
SFP 30141	30	141	5	70
SFP 30151	30	151	5	70
SFP 30160	30	160	5	70
SFP 30200	30	200	5	70
SFP 35205	35	205	5	67
SFP 40172	40	172	5	70



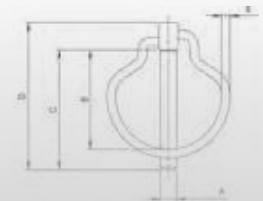
LINCH PIN

CODE	A	B	C	D	E
SLP 4535	4.5	28.6	35	45	3
SLP 4540	4.5	33	40	48	3
SLP 0645	6	36.5	45	54	3.2
SLP 0670	6	60	70	80	3.5
SLP 0745	7	36.5	45	55	3.3
SLP 0845	8	36.5	45	54	3.3
SLP 0870	8	60	70	80	3.5
SLP 0945	9	36.5	45	56	3.3
SLP 1045	10	36.5	45	56	3.5
SLP 1051	10	42	51	62	3.5
SLP 1145	11	36.5	45	56	3.5
SLP 1151	11	39	51	61	3.5
SLP 1245	12	36.5	45	56	3.5



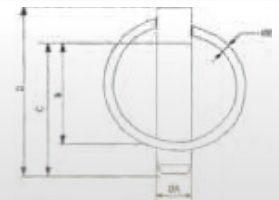
LINCH PIN PEAR TYPE

CODE	A	B	C	D	E
SLPPR 0645	6	36	45	54	3.2
SLPPR 0845	8	36	45	54	3.2
SLPPR 1045	10	36	45	56	3.2
SLPPR 1145	11	36	45	56	3.2



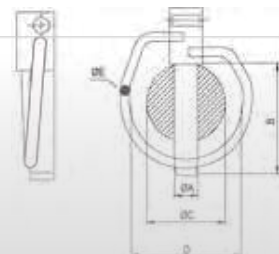
LINCH PIN BLACKRING HEAVY DUTY

CODE	A	B	C	D	E
SLP 0645 HD	6	36.5	45	54	3.5 BLK
SLP 1151 HD	11	39	51	61	4.5 BLK



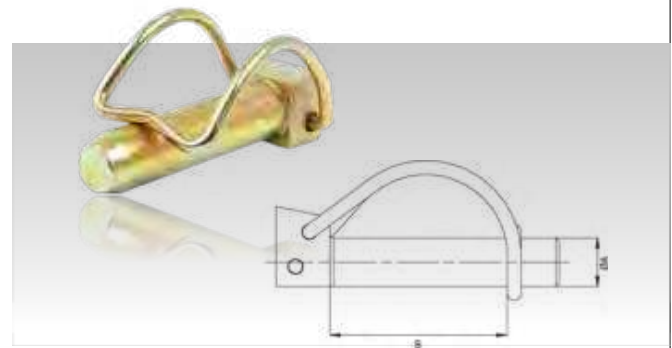
LINCH PIN

CODE	A	B	C	D	E
SLP 4532	4.5	32	25	31	2.5
SLP 5542	5.5	42	32	44.8	3.6
SLP 7542	7.5	42	32	44.8	3.6
SLP 9545	9.5	45	32	44.8	3.6
SLP 1145	11	45	32	44.8	3.6
SLP 1155	11	55	45	52	4
SLP 1660	16	60	45	52	4



SPRING LINCH PIN

CODE	DIA	TYPE
SSLP 85	8.5	A
SSLP 105	10.5	A
SSLP 11	11	B
SSLP 51.5	51.5	C



BUTTERFLY LINCH PIN

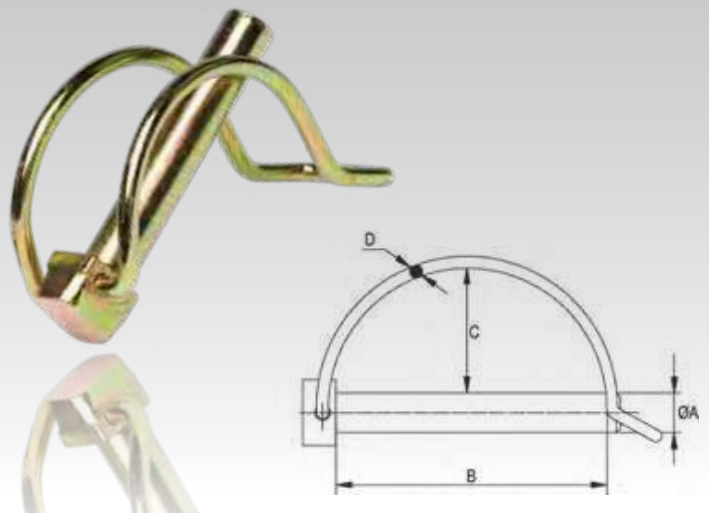
CODE	DIA	TYPE
SBLP 11	11	A

LINCH PIN FOR PIPE

CODE	A	B
SLPFP1451BR	14	51

PIPE LINCH PIN

CODE	A	B	C	D
SPLP4540	4.5	40	18	3
SPLP0632	6	32	18	3
SPLP0640	6	40	18	3
SPLP0645	6	45	22	3
SPLP0840	8	40	18	3
SPLP0845	8	45	22	3
SPLP0850	8	50	25	3
SPLP0860	8	60	28	3
SPLP1040	10	40	25	3
SPLP1050	10	50	25	3
SPLP1060	10	60	28	3
SPLP1070	10	70	28	3
SPLP1258	12	58	25	4



SQUARE HEAD LINCH PIN WITH CHAIN FOR PIPE

CODE WITH CHAIN	CODE WITHOUT CHAIN	A	B	C	D
SPLP1248	SPLP1248 W	12	48	44	4
SPLP1448	SPLP1448 W	14	48	44	4
SPLP1650	SPLP1650W	16	50	44	4
SPLP1960	SPLP1960 W	19	60	48	5


LINCH PIN WITH CHAIN


CODE **1145226**

CHAIN LENGTH - 226.0mm
LINCH PIN SIZE - 11X45

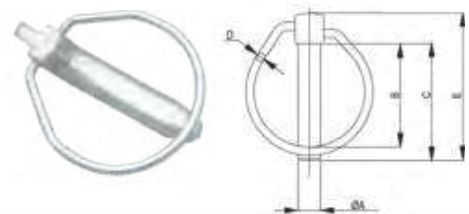
LINCH PIN WITH CHAIN


CODE **1145200**

CHAIN LENGTH - 200.0mm
LINCH PIN SIZE - 11X45

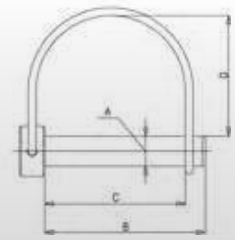
FORGED LINCH PIN WITH CHAIN & W/O CHAIN

CODE W/O CHAIN	CODE WITH CHAIN	A	B	C	D	E
SFLP11	SLFPC11	11	48	52	4	66
SFLP15	SFLPC15	26	56	60	4	75



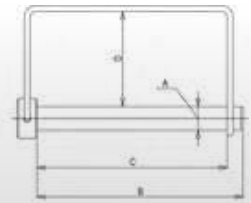
SNAP PIN SINGLE WIRE (ROUND)

CODE	A	B	C	D
SSPR-1/4-1.750	1/4"	2.000"	1.750"	1.625"
SSPR-5/16-1.750	5/16"	2.000"	1.750"	1.750"
SSPR-3/8-1.750	3/8"	2.000"	1.750"	1.500"



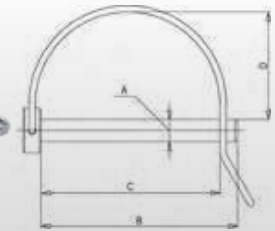
SNAP PIN SINGLE WIRE (SQUARE)

CODE	A	B	C	D
SSPS-1/4-2.500	1/4"	2.750"	2.500"	1.625"
SSPS-5/16-2.500	5/16"	2.750"	2.500"	1.750"
SSPS-5/16-3.500	5/16"	3.750"	3.500"	1.750"
SSPS-3/8-2.250	3/8"	2.500"	2.250"	1.500"
SSPS-3/8-2.500	3/8"	2.750"	2.500"	1.500"
SSPS-3/8-3.000	3/8"	3.250"	3.000"	1.500"



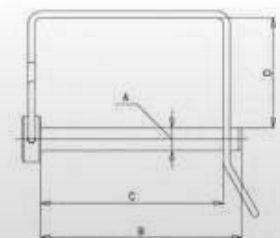
TAB LOCK PIN SINGLE WIRE (ROUND OR SQUARE)

CODE	A	B	C	D	HANDLE TYPE
STLPR-1/4-1.750D	1/4"	2.000"	1.750"	1.500"	ROUND
STLPR-5/16-1.750D	5/16"	2.000"	1.750"	1.500"	ROUND
STLPR-3/8-1.750D	3/8"	2.000"	1.750"	1.500"	ROUND
STLPS-3/8-2.250D	3/8"	2.750"	2.250"	1.500"	SQUARE



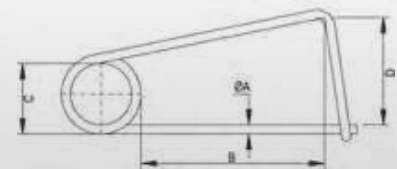
TAB LOCK PIN DOUBLE WIRE

CODE	A	B	C	D	HANDLE
STLPR-1/4-1.750S	1/4"	2.000"	1.750"	1.500"	ROUND
STLPR-5/16-1.750S	5/16"	2.000"	1.750"	1.500"	ROUND
STLPR-3/8-1.750S	3/8"	2.000"	1.750"	1.500"	ROUND
STLPS-1/4-2.500S	1/4"	2.750"	2.500"	1.500"	SQUARE
STLPS-5/16-2.500S	5/16"	2.750"	2.500"	1.500"	SQUARE
STLPS-3/8-2.500S	3/8"	2.750"	2.500"	1.500"	SQUARE



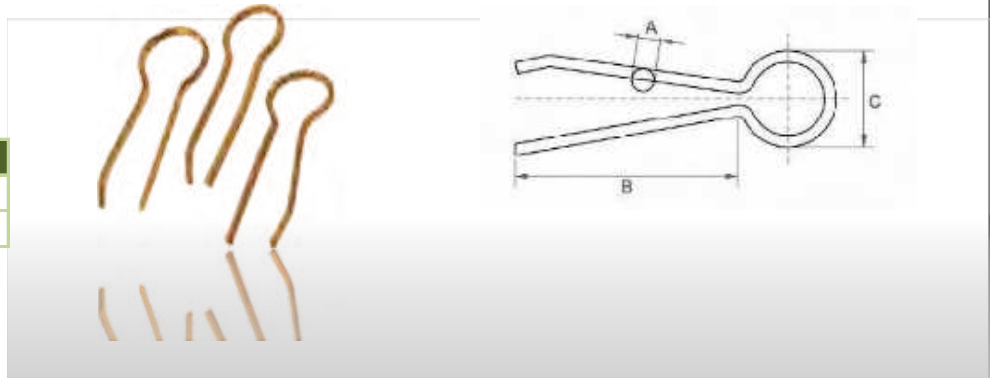
SPRING PIN

CODE	A	B	C	D
SSP3	3	60	20	35
SSP4	4	100	33	55
SSP5	5	90	31	42
SSP6	6	100	30	50



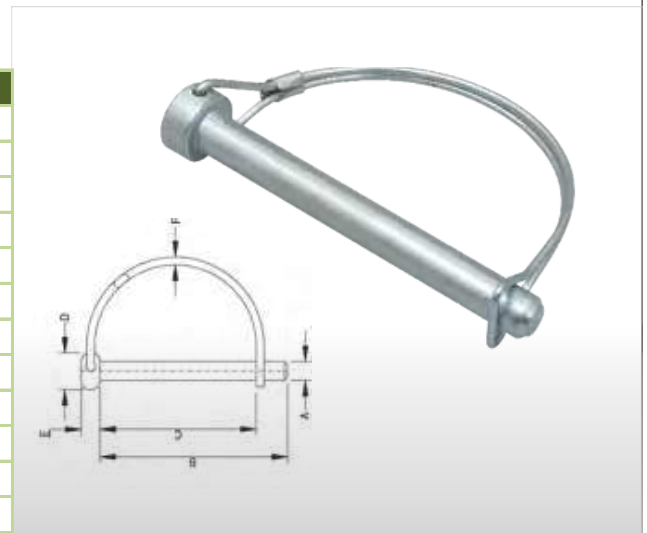
HAIR PIN/CLIPS

CODE	A	B	C
SHP31538	3X1.5	38	17
SHP52556	5X2.5	56	27



SHAFT LOCKING PIN/PTO PIN (ROUND)

CODE	A	B	C	D	E	F
SLPR650	6	60	50	12	6	2.3
SLPR657	6	67	57	12	6	2.3
SLPR838	8	45	38	15	7	2.3
SLPR860	8	70	60	15	7	2.3
SLPR9557	9.5	67	57	16	7.5	2.3
SLPR1038	10	45	38	15	7	2.3
SLPR1060	10	70	60	15	8.5	2.3
SLPR1189	11	99	89	19	10	2.3
SLPR1260	12	70	60	18	7	2.3
SLPR1265	12	75	65	18	7	2.3
SLPR1270	12	90	70	18	7	2.3
SLPR1294	12	110	94	22	10	2.3



SHAFT LOCKING PIN / PTO PIN (SQUARE)

CODE	A	B	C	D	E	F
SSLPS4538	4.5	46	38	10	5	2.3
SSLPS657	6	67	57	12	6	2.3
SSLPS863	8	70	63	15	7	2.3
SSLPS1080	10	90	80	18	8	2.3
SSLPS1267	12	75	67	20	10	2.3



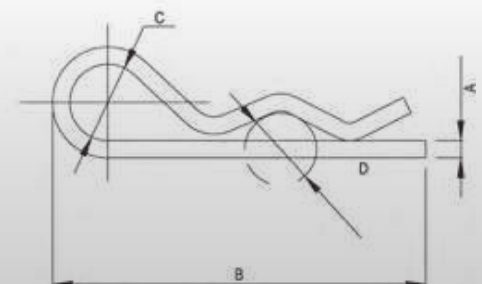
HAIR PIN

CODE	A	B	C	D
SHP 20044	2	44	11	10-12
SHP 20051	2	51	10	10-12
SHP 20059	2	59	13	10-12
SHP 25046	2.5	46	10	11-13
SHP 25062	2.5	62	14	11-13
SHP 30052	3	52	13	12-16
SHP 30065	3	65	13	12-16
SHP 30070	3	70	13	12-16
SHP 35071	3.5	71	18	16-30
SHP 35084	3.5	84	18	16-30
SHP 40076	4	76	18	16-30
SHP 40088	4	88	18	16-30
SHP 40108	4	108	26	14-20
SHP 45093	4.5	93	20	16-30
SHP 50100	5	100	24	20-35
SHP 50106	5	106	24	20-35
SHP 50116	5	116	24	20-35
SHP 60103	6	103	30	28-45
SHP 60114	6	114	30	28-45
SHP 60120	6	120	30	28-45
SHP 60130	6	130	36	28-45
SHP 70115	7	115	25	25-38
SHP 70163	7	163	30	30-45
SHP 80105	8	105	52	40-45
SHP 80156	8	156	40	30-35
SHP 80187	8	187	40	45-60
SHP 90162	9	162	40	45-60
SHP 100162	10	162	40	45-60



HAIR PIN DOUBLE

CODE	A	B	C	D
SHPD2065	2	65	9	10-12
SHPD3071	3	71	15	12-16
SHPD4077	4	77	18	16-30
SHPD4093	4	93	22	17-24
SHPD5108	5	108	24	17-24
SHPD5116	5	116	22	17-24
SHPD6120	6	120	30	28-42
SHPD6143	6	143	30	28-42
SHPD7162	7	162	30	30-45
SHPD8155	8	155	30	45-60
SHPD8162	8	162	45	45-60

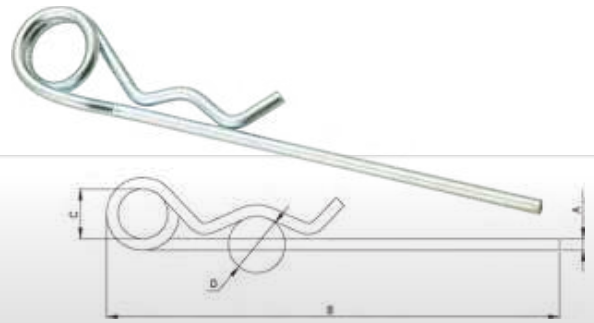


HAIR PIN (LONG LEG)



CODE	A	B	C	D
SHP 05200	5	200	22	20-35

HAIR PIN (DOUBLE SPRING)



CODE	A	B	C	D
SHPD5200	5	200	22	25-32

SPLIT PIN

CODE	A	B
SSP1620	1.6	20
SSP2020	2	20
SSP2025	2	25
SSP2028	2	28
SSP2032	2	32
SSP2040	2	40
SSP2520	2.5	20
SSP2525	2.5	25
SSP2532	2.5	32
SSP2540	2.5	40
SSP3220	3.2	20
SSP3225	3.2	25
SSP3232	3.2	32
SSP3235	3.2	35
SSP3240	3.2	40
SSP3250	3.2	50
SSP4025	4	25
SSP4032	4	32
SSP4036	4	36
SSP4040	4	40
SSP4050	4	50
SSP4063	4	63
SSP4070	4	70
SSP4080	4	80
SSP5032	5	32
SSP5040	5	40
SSP5050	5	50
SSP5063	5	63

CODE	A	B
SSP5070	5	70
SSP5080	5	80
SSP5090	5	90
SSP6332	6.3	32
SSP6340	6.3	40
SSP6350	6.3	50
SSP6363	6.3	63
SSP6370	6.3	70
SSP6380	6.3	80
SSP63100	6.3	100
SSP7050	7	50
SSP7060	7	60
SSP7070	7	70
SSP7080	7	80
SSP8040	8	40
SSP8050	8	50
SP8063	8	63
SSP8071	8	71
SSP8080	8	80
SSP8090	8	90
SSP80100	8	100
SSP80125	8	125
SSP10050	10	50
SSP1063	10	63
SSP10080	10	80
SP10100	10	100
SP10125	10	125
SSP13125	13	125
SSP13140	13	140

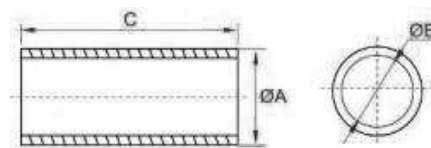


CODE	A	B
SSCP2020	2	20
SSCP2025	2	25
SSCP2520	2.5	20
SSCP2525	2.5	25
SSCP3010	3	10
SSCP3025	3	25
SSCP3040	3	40
SSCP3050	3	50
SSCP3530	3.5	30
SSCP3535	3.5	35
SSCP3540	3.5	40
SSCP4010	4	10
SSCP4020	4	20
SSCP4025	4	25
SSCP4030	4	30
SSCP4040	4	40
SSCP4050	4	50
SSCP4060	4	60
SSCP5025	5	25
SSCP5035	5	35
SSCP5040	5	40
SSCP5050	5	50
SSCP5060	5	60
SSCP6025	6	25
SSCP6035	6	35
SSCP6040	6	40
SSCP6050	6	50
SSCP6060	6	60
SSCP6070	6	70
SSCP6080	6	80
SSCP8036	8	36
SSCP8050	8	50
SSCP8060	8	60
SSCP8070	8	70
SSCP80100	8	100
SSCP10050	10	50
SSCP10060	10	60
SSCP10065	10	65
SSCP10070	10	70
SSCP10090	10	90
SSCP100100	10	100
SSCP12080	12	80
SSCP12090	12	90
SSCP120100	12	100
SSCP 14080	14	80
SSCP140100	14	100



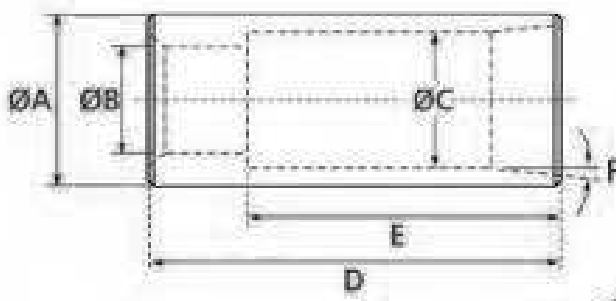
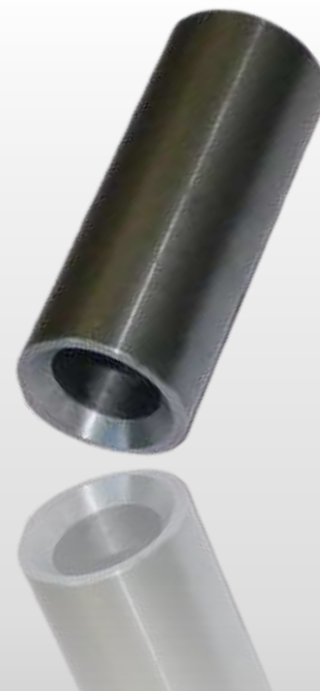
BUSHES

CODE	DIA. A MM	DIA. B MM	C MM
SRB 191641	19	16	41
SRB 221635	22	16	35
SRB 251941	25.4	19	41
SRB 251951	25.4	19	50.8
SRB 282245	28.4	22.2	44.5
SRB 282263	28.4	22.2	63
SRB 282235	28.6	22.2	35
SRB 282244	28.6	22.2	44
SRB 282250	28.6	22.2	50.8
SRB 322551	32	25.4	50.8
SRB 362845	36.5	28.6	44.5



TINE BUSH

CODE	OUTER DIA. A MM	INNER DIA. B MM	INNER DIA C MM	LENGTH D MM	DEPTH E MM	ANGLE F SHIP
STB 38253195	38	25.4	31	95	74	4°30
STB 402325105	40	23	25	105	78	5°
STB 412432110	41	24	32	110	79	5°
STB 412530108	41	25.4	30	108	80	5°30
STB 452500110	45	25	0	110	0	5°
STB 502329110	50	23	29	110	85	6°
STB 502529110	50	25	29	110	85	6°
STB 502800105	50	28	0	105	0	10°
STB 503036108	50	30	36	108	80	5°30
STB 503039110	50	30	39	110	84	6°
STB 512532110	51	25	32	110	109	5°30
STB 513038110	51	30	38	110	86	5°
STB 553200120	55	32	0	120	0	4°30
STB 571340120	57	12.59	40	120	105	5°30
STB 33001463	33	0	14	63	46	3°
STB 33001663	33	0	16.5	63	48	1.5°
STB 4522897	45	22	28	97	75	5°
STB 503239110	50	32	39	110	84	5.5°
STB 603239110	60	32	39	110	84	5.5°



EXHAUST CLAMP

U-BOLT M8 WITH NUT

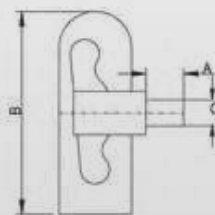


CODE	HOLDING Cap.
SEC42-8	42 mm
SEC45-8	45 mm
SEC54-8	54mm
SEC58-8	58 mm
SEC65-8	65 mm
SEC42-10	42 mm
SEC45-10	45 mm
SEC54-10	54mm
SEC58-10	58 mm

DROP CLOSURE



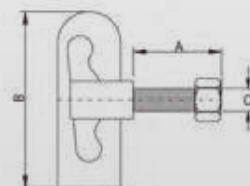
CODE	A	B	C
SDC 1370	13	70	12.7



DROP CLOSURE WITH SHORT SCREW

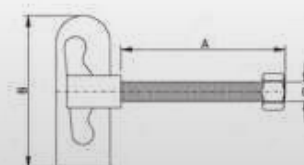


CODE	A	B	C
SDC 3570	35	70	M12



DROP CLOSURE WITH LONG SCREW

CODE	A	B	C
SDC 7670	76	70	1/2" UNF



ELECTRICALS FOR TRACTOR

CODE B 06-2507N

- Battery Terminal (Angle Bosch Type) - Negative
- Material : Brass-CuZn (Copper Zinc Alloy) / Machined



CODE B 06-2507P

- Battery Terminal (Angle Bosch Type) - Positive
- Material : Brass-CuZn (Copper Zinc Alloy) / Machined



CODE B 06-2607N

- Battery Terminal (Angle Bosch Type) - Negative
- Material : Brass-CuZn (Copper Zinc Alloy) / Forged



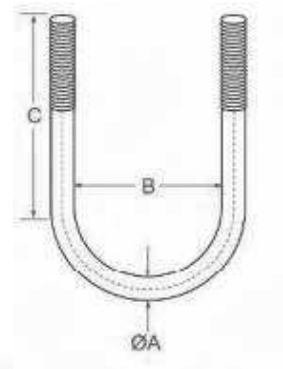
CODE B 06-2607P

- Battery Terminal (Angle Bosch Type) - Positive
- Material : Brass-CuZn (Copper Zinc Alloy) / Forged

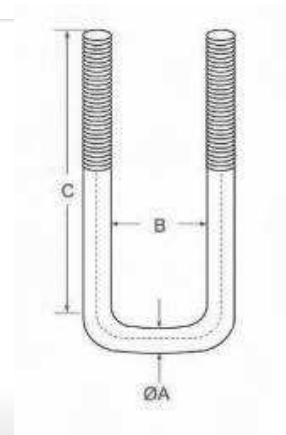


U-BOLTS

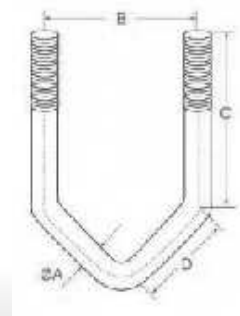
CODE	DIA. A	DIM. B	DIM. C
SUB 01	7/16"	2"	6"
SUB 02	7/16"	2-7/8"	7-3/4"
SUB 03	7/16"	3"	7-1/2"
SUB 04	1/2"	2-1/2"	8-1/4"
SUB 05	1/2"	2-7/8"	7"
SUB 06	1/2"	3"	8"
SUB 07	9/16"	3"	8-1/4"
SUB 08	9/16"	3-1/4"	8"
SUB 09	9/16"	3-3/8"	12"
SUB 10	5/8"	3"	8-1/2"
SUB 11	5/8"	3-1/4"	8-1/4"
SUB 12	5/8"	3-1/4"	12"



CODE	DIA. A	DIM. B	DIM. C
SUB 21	3/8"	2-1/2"	2-1/2"
SUB 22	3/8"	7"	7"
SUB 23	1/2"	3"	4"
SUB 24	5/8"	4"	4"
SUB 25	5/8"	4"	5-1/2"
SUB 26	5/8"	4"	7-1/2"
SUB 27	5/8"	5"	8-1/2"
SUB 28	5/8"	6"	8"
SUB 29	5/8"	7"	5"
SUB 31	5/8"	7"	7"
SUB 31	5/8"	7"	8-1/2"
SUB 32	3/4"	5"	7"
SUB 33	3/4"	7"	8-1/2"
SUB 34	3/4"	7"	7"

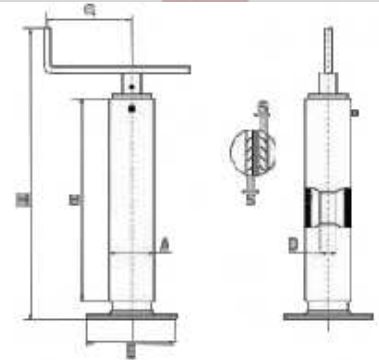


CODE	DIA. A	DIM. B	DIM. C	DIM. D
SUB 35	11	70	37	42
SUB 36	12.8	82	39	49
SUB 37	11	90	30	56
SUB 38	15	96	52	60.5



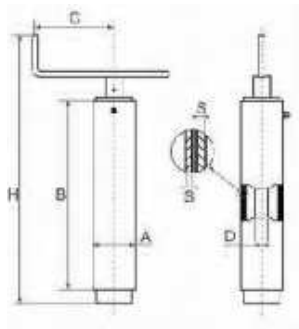
PARKING JACKS HEAVY

CODE	DIM. A	DIM. B	DIM. C	E	H	S	D	STROKE	STATIC CAP.
SPJ 01	40	300	115	95	440	2	18	150	400
SPJ 02	40	400	115	95	540	2	18	250	400
SPJ 03	40	500	115	95	640	2	18	350	400
SPJ 04	50	300	135	160	480	3	22	150	800
SPJ 05	50	400	135	160	580	3	22	250	800
SPJ 06	50	500	135	160	680	3	22	350	800
SPJ 07	50	600	135	160	780	3	22	500	800
SPJ 08	50	400	135	160	580	3	22	250	800
SPJ 09	60	400	135	160	580	3	22	250	1000
SPJ 10	60	500	135	160	680	3	22	350	1000
SPJ 11	60	600	135	160	780	3	22	500	1000
SPJ 12	60	700	135	160	880	3	22	500	1000
SPJ 13	60	500	135	160	680	3	22	350	1000
SPJ 14	70	400	180	160	580	3	28	300	1800
SPJ 15	70	500	180	160	680	3	28	400	1800
SPJ 16	70	600	180	160	780	3	28	500	1800
SPJ 17	70	700	180	160	880	3	28	500	1800
SPJ 81	80	400	180	220	590	3	28	300	2000
SPJ 19	80	500	180	220	690	3	28	400	2000
SPJ 20	80	600	180	220	790	3	28	500	2000
SPJ 21	100	500	180	220	690	4	28	400	2200
SPJ 22	100	700	180	220	890	4	28	500	2200



PARKING JACKS HEAVY WITHOUT FOOT PLATE

CODE	DIM. A	DIM. B	DIM. C	H	S	D	STROKE	STATIC CAP.
SPJ WP 01	40	400	115	535	2	18	250	400
SPJ WP 02	50	400	135	565	4	22	250	800
SPJ WP 03	60	400	135	1256	4	22	250	1000
SPJ WP 04	70	500	180	665	4	28	400	1800
SPJ WP 05	80	500	180	665	4	28	400	2000



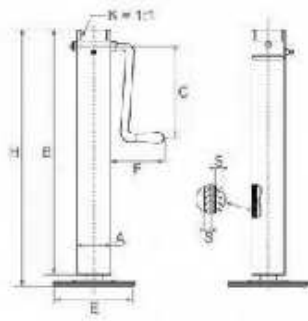
JOCKEY WHEEL PARKING JACK

CODE	PIPE DIM. A	WHEEL SIZE	PIPE LENGTH	B	C	D
SJW 01	35	160X43	220	310	100	465
SJW 02	42	200X50	195	390	120	590
SJW 03	48	200X50	195	390	120	590
SJW 04	48	250X85	175	420	150	625
SJW 05	60	255X80	400	430	150	720
SJW 06	60	220X70	500	560	350	1060



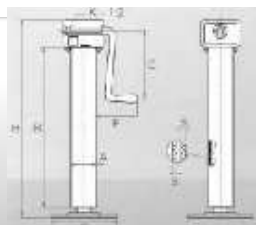
PARKING JACK WITH LATERAL HANDLE

CODE	DIM. A	DIM. B	DIM. C	E	F	H	S	STROKE	STATIC CAP.
SPJLH 01	60	550	170	160	150	565	3	350	1000
SPJLH 02	60	550	170	160	150	580	3	350	1000



PARKING JACK HEAVYWITH REDUCTION GEAR AND LATERAL HANDLE

CODE	DIM. A	DIM. B	DIM. C	E	F	H	S	STROKE	STATIC CAP.
SPJ H 01	70	500	220	220	185	620	3	400	3000
SPJ H 02	70	600	220	220	185	720	3	500	3000
SPJ H 03	70	700	220	220	185	820	3	500	3000
SPJ H 04	70	800	220	220	185	920	3	500	3000
SPJ H 05	80	500	220	220	180	620	3	400	3000
SPJ H 06	80	600	220	220	180	720	3	500	3000
SPJ H 07	80	800	220	220	180	920	3	500	3000

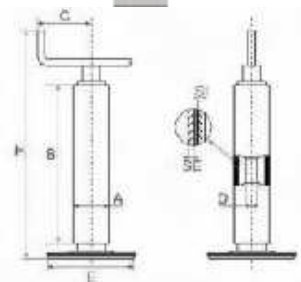


PARKING JACK LIGHT TYPE

CODE	DIM. A	DIM. B.	DIM. C	E	H	SE	SI	D	STROKE	STATIC CAP.
SPJ L 01	40	360	115	95	500	2	2	18	250	400
SPJ L 02	60	660	115	160	840	3	2	18	450	700
SPJ L 03	50	460	115	160	610	3	2	18	250	600
SPJ L 04	50	560	115	160	710	3	2	18	350	600
SPJ L 05	60	460	115	160	610	3	2	18	350	700
SPJ L 06	60	560	115	160	710	3	2	18	450	700
SPJ L 07	70	460	180	160	640	3	3	22	350	1200
SPJ L 08	70	660	180	160	840	3	3	22	500	1200
SPJ L 09	70	660	180	160	840	3	3	22	500	1200

PARKING JACK NORMAL TYPE

CODE	DIM. A	DIM. B.	DIM. C	E	H	SE	SI	D	STROKE	STATIC CAP.
SPJ N 01	50	260	115	160	410	2	2	18	150	600
SPJ N 02	50	360	115	160	510	3	2	18	250	600
SPJ N 03	50	460	115	160	610	3	2	18	250	600
SPJ N 04	50	560	115	160	710	3	2	18	350	600
SPJ N 05	50	360	115	160	510	3	2	18	250	700
SPJ N 06	50	460	115	160	610	3	2	18	250	700
SPJ N 07	50	560	115	160	710	3	2	18	450	700



GREASE GUN (WITH FIX OR FLEXIBLE SPOUT, REFILL NIPPLE MOUNTED)

CODE	CAPACITY
SMPI 612	14 OZ



Suitable For 400gm Grease Cartridge

GREASE GUN (WITH FIX OR FLEXIBLE SPOUT, REFILL NIPPLE MOUNTED)

CODE	CAPACITY
SMPI 621	20 OZ



Suitable For 500gm Grease Cartridge

OIL CAN (WITH FIX OR FLEXIBLE SPOUT)



CODE	CAPACITY
SMPI 111	200 CC
SMPI 112	300 CC
SMPI 113	400 CC
SMPI 114	500 CC
SMPI 115	700 CC
SMPI 116	1000 CC

GREASE NIPPLES



CODE	SIZE	TYPE
SGN01	M6X1	STRAIGHT
SGN02	M8X1	STRAIGHT
SGN03	M10X1	STRAIGHT
SGN04	M6X1	45°
SGN05	M8X1	45°
SGN06	M10X1	45°
SGN07	M6X1	90°
SGN08	M8X1	90°
SGN09	M10X1	90°

HEX BOLTS

Hex bolts, also called hexagon screw head bolts, hex cap bolts, hex-cap screws, or machine bolts, are a very common choice when it comes to construction and repair. Applications for hexagon screw head bolts can vary from exterior and automotive to marine, coastal, and high temperature environments. All types of hex bolts, heavy hex bolts, flange bolts, round head bolts, hex bolt with split pin hole, fit bolts, oval head bolt, snap head bolt as per drawing & specification, national & international.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1364 Part 1, IS 1363 Part 1, BS 1768, BS 1083, DIN 931, ASME B18.2.3.3M, ASME B18.2.3.3M, IS 1367 PART 3, ISO 898-PART 1, ASTM A193, ASTM A4533

INCHES - BS 1768, BS 1083, ASME B18.2.3.3M, ASME B18.2.2, ASTM A193, ASTM A453

HEAVY HEX BOLTS

Heavy Hex Bolts are designed for use in a variety of high temperature, high strength industrial applications, such as with steel fabrication and general construction. They feature a thicker head than standard or regular hex bolts, and offer a greater bearing surface that distributes the clamping load over a wider area.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 3757, ASME B18.2.6, ASME B18.2.6M, ASME B18.2.3.3M, ASME B18.2, ASME B18.2.3.3M, ASME B18.2.3.3M, IS 1367 PART 3, ASTM A490, ASTM F3125, ASTM A193, ASTM A320, ASTM A193, ASTM A453

INCHES - ASME B18.2.6, ASME B18.2.6M, ASME B18.2.1, ASME B18.2.3.3M, ASME B18.2, ASME B18.2 ASTM A490, ASTM F3125, ASTM A307, ASTM A193, ASTM A320, ASTM A193

HEX SCREW

Hexagon screw also called hex bolts, hex cap bolts, hex-cap screws, or machine bolts, are a very common choice when it comes to construction and repair. Applications for hexagon screw head bolts can vary from exterior and automotive to marine, coastal, and high temperature environments.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 3, ISO 898-PART 1, ASTM A193

INCHES - BS 1768, BS1083, ISO 898-PART 1, ASTM A193



HEAVY HEX SCREW

Heavy Hex Bolts/Heavy hex screw are designed for use in a variety of high temperature, high strength industrial applications, such as with steel fabrication and general construction. They feature a thicker head than standard or regular hex bolts, and offer a greater bearing surface that distributes the clamping load over a wider area.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 3, ISO 898-PART 1, ASTM A193
INCHES - BS 1768, BS 1083, ISO 898-PART 1, ASTM A193



AXLE SCREW CAP

A screw is a type of fastener, in some ways similar to a bolt (see Differentiation between bolt and screw below), typically made of metal, and characterized by a helical ridge, known as a male thread (external thread). Screws are used to fasten materials by digging in and wedging into a material when turned, while the thread cuts grooves in the fastened material that may help pull fastened materials together and prevent pull-out.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ASTM A193



ROUND HEAD SCREW/BOLT

Head for a screw or bolt with rounded top surface and flat lower surface. Holds screw or bolt to surface of an object. Designed into the screw or bolt. Can have various sizes and drive types. A cylindrical rod incised with one or more helical or advancing spiral threads, as a lead screw or worm screw

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 P-4



SQUARE HEAD BOLT

Square Head Bolts are similar to Hex Cap screws but have a 4-sided square head instead of a 6-sided hexagonal head. They are commonly referred to as both bolts and screws and are designed to be driven with a wrench. Square Head Bolts are partially threaded with a shoulder beneath the head.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ASME B18.2.1, ASTM A307



FLANGE BOLT

Flange bolts have hexagonal heads, designed to be driven by a wrench. The unique characteristic of a flange bolt is the design of the head, from which they get their name. The "flange" of the bolt is a built in (integral) washer. In Imperial sizes, this washer is serrated to act as a lock washer.

Flange bolts are available in both full thread and partial thread varieties. The threading depends upon the lengths of the bolt. Partially threaded flange bolts have a shoulder, and fully threaded flange bolts are threaded to the underside of the flanged head.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ISO 898 PART 2



COUNTER SUNK SCREW

Either of two screws (both right-handed and turning together in the same direction or one right-handed and the other left-handed and turning opposite ways) by which an object which they adjust or restrain may be moved in one direction or the other by the motion of one. A common use is to allow the head of a countersunk bolt, screw or rivet, when placed in the hole, to sit flush with or below the surface of the surrounding material (by comparison, a counter bore makes a flat-bottomed hole that might be used with a socket-head caps crew).

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 3



SLOTTED CSK SCREW

Slotted Csk head screws from TUFF Fasteners require its hole of insertion to be pre-drilled.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ISO 898 PART 1



ALLEN HEAD BOLT

Allen (hex socket) drive is a six-sided recess for use with an allen wrench (hex key). Stainless steel 18-8

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 3



STUDS

A stud is a threaded rod, it is threaded on both ends, the thread may extend along complete length of rod.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ASTM A193 ASTM A307 ASTM A320, JIS B 1186

INCHES - ASTM A193 ASTM A307 ASTM A320, JIS B 1186



HEX NUT

A nut is a type of fastener with a threaded hole. Nuts are almost always used in conjunction with a mating bolt to fasten multiple parts together. All Types Of Hex nuts , Heavy Hex Nuts , Nylock Nuts, Castle Nuts ,Prevailing Torque Nuts, Long Nuts ,Square Nuts & Flanges Nuts as per drawing & specification, National & International Standards.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC -	IS 1367 PART 6, IS 1367 PART 6, ISO 898-PART 2, ASTM A194, ISO 898 PART2, ASTM A194
INCHES -	BS 1768, BS 1083, DIN 934, ASME B18.2.2 ASME, B18.2.6M, ISO 4034, ISO 4032, ASME B18.2.2 ASME, B18.2.6M, BS 1768, BS1083, ISO 898-PART 2, ASTM A194, ISO 898 PART2, ASTM A19



HEAVY HEX NUT

A nut is a type of fastener with a threaded hole. Nuts are almost always used in conjunction with a mating bolt to fasten multiple parts together. All Types Of Hex nuts , Heavy Hex Nuts , Nylock Nuts, Castle Nuts ,Prevailing Torque Nuts, Long Nuts ,Square Nuts & Flanges Nuts as per drawing & specification, National & International Standards.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC -	IS 1367 PART 6, ASTM A563, ASTM A194, ASTM A194
INCHES -	ASTM A563, ASTM A194, ASTM A194, ASTM A453



LOCK NUT

A locknut, also known as a lock nut, locking nut, prevailing torque nut, stiff nut or elastic stop nut, is a nut that resists loosening under vibrations and torque. Elastic stop nuts and prevailing torque nuts are of the particular type where some portion of the nut deforms elastically to provide a locking action.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC -	IS 1364 PART 4 ISO 4035, IS 1367 PART 6 ISO 898 PART 2
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JAM NUT

A jam nut is a low profile type of nut, typically half as tall as a standard nut. It is commonly used as a type of locknut, where it is "jammed" up against a standard nut to lock the two in place. It is also used in situations where a standard nut would not fit.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC -	ASTM A194
INCHES -	ASME B18.2.2 ASME B18.2.6M, ASTM A194



PREVAILLING TORQUE NUT

A nut is a type of fastener with a threaded hole. Prevailing Torque (PT) fasteners continue to resist loosening, even while sustaining substantial friction during assembly. These fasteners are the optimal choice for applications that routinely sustain heavy vibration and shock, extreme temperatures, and numerous loading cycles without a moment's rest. Our PT line up passes the test.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 8



FLANGE NUT

A flange nut is a nut that has a wide flange at one end that acts as an integrated washer. ... These nuts are mostly hexagonal in shape and are made up of hardened steel and often coated with zinc. In many cases, the flange is fixed, and turns with the nut. The flange may be serrated to provide a locking action.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - DIN 6923

INCHES - ISO 898 PART 2



CASTLE NUT

A castellated nut, sometimes referred to as a castle nut, is a nut with slots (notches) cut into one end. The name comes from the nut's resemblance to the crenulated parapet of a medieval castle. ... This pin prevents the nut from turning and loosening.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 6



NYLOCK NUT

A locknut, also known as a lock nut, locking nut, prevailing torque nut, stiff nut or elastic stop nut, is a nut that resists loosening under vibrations and torque. Elastic stop nuts and prevailing torque nuts are of the particular type where some portion of the nut deforms elastically to provide a locking action.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1367 PART 8



PLAIN & MACHINED WASHERS

A washer is a thin plate (typically disk-shaped) with a hole (typically in the middle) that is normally used to distribute the load of a threaded fastener, such as a screw or nut. We offer all sizes of Heavy Washer, Plain & Machined Washers, Taper Washers, Chamfered Washer, Machined Washers Ss Washer, Flat Washer as per drawing & specification, national & international standard.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 2062 GR. A, IS 1570 PART 2, IS 2062 GR. A, IS 2062 GR. A,
IS 2062 GR. A, IS 1570 PART 2, IS 1570 PART 2

BEVELLED WASHERS

A Belleville washer, also known as a coned-disc spring, conical spring washer, disc spring, Belleville spring or cupped spring washer, is a conical shell which can be loaded along its axis either statically or dynamically. A Belleville washer is a type of spring shaped like a washer. It is the frusto-conical shape that gives the washer its characteristic spring.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ASTM F436/F436M
INCHES - ASTM F436/F436M

CHAMFFERED WASHERS

Plain Chamfered Washers. Also known as a Through Hardened washer. Used with high strength friction grip / preloaded bolting assemblies. Designed to stop the bolt head or nut embedding into the material being clamped or deforming when under load instead distributing the force onto the material over a wider area.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1570 PART 2

PLAIN & MACHINED WASHERS

Spring washers, which have axial flexibility and are used to prevent fastening or loosening due to vibrations. Spring washers, sometimes called disc springs, are a subtype of washers. They lend their mechanical capabilities to the unique profile of the material: when subject to a load, the irregularities of the washer compress with a proportionate resistance to return to their predeflected shape. Spring washers are employed in applications where assemblies need a part to take up play, eliminate rattle, maintain assembly tension, compensate for expansion or contraction in materials after assembly, or to absorb intermittent shock loads and provide a controlled reaction under dynamic loads.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 3063

DTI WASHERS

DTIs are a function of induced tension. As a fastener assembly is tightened, the arch-like protrusions are compressed and the change in distance between the base of the protrusions of the DTI washer and the protrusion apex, correlates to a value of tensile force induced into the fastener. This distance can be verified by insertion of a tapered feeler gage between the protrusions to the bolt shank. The number of instances the bolt shank can be reached by the feeler gage is then compared to either the results of a pre-installation verification procedure or the manufacturer's



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - ASTM F959

INCHES - ASTM F959

EAR WASHERS

A circular washer with circular hole and 2 nibs is called as ear washer it is generally supplied as per IS 6649 with type "A". It is hard and tempered washer with hardness 35-45 hrc for finish black oxide & with hardness 26-45 hrc for finish hot dip galvanized.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 6649

FOUNDATION /ANCHOR BOLT

Foundation bolts are used for fixing machines to their foundations. Foundation bolts are made by forging steel or iron rods. The bolt size depends upon the size of the machine and the magnitude of the forces that act on them when the machine is in operation.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 2062 GR.A IS 1367 PART 3



TENSION CONTROL BOLT

Tension Control Bolt (TC bolt) is a heavy duty bolt used in steel frame construction with Heavy Hex nuts. The head is usually domed and is not designed to be driven. The end of the shank has a spline on it which is engaged by a special power wrench which prevents the bolt from turning while the nut is tightened. When the appropriate torque is reached the spline shears off.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - BS EN 14399 PART 10 - ISO 898 PART 1 JIS B 1186

FIT BOLT

In a FIT BOLT, the holes are initially drilled to undersize and are reamed in the assembling place before the bolts are tightened in place. Accuracy is required in the machining.



SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - AS PER DRG - IS 1367 PART 3

RIVET

A rivet is a permanent mechanical fastener which is used in construction and manufacturing assembly, all types of rivets as per national & international standards such as, high strength rivets, snap head rivet, blind rivets and as per specifications and customers' requirements.

SPECIFICATIONS (CHEMICAL & MECHANICAL)

METRIC - IS 1148 ,IS 1929 JIS B 1186



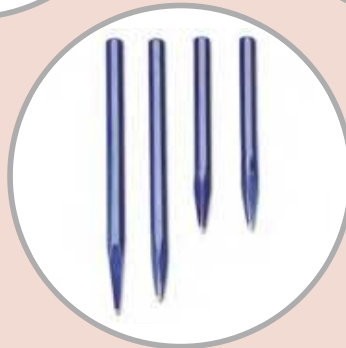


**WE FORGE ANY TYPE OF RAILHEADS AND SPEARHEADS
AS FOR CUSTOMER DRAWINGS AND SPECIFICATIONS**



**TYRES****BELTS**





NOTES

[illegible]

