

STANLEY®

Assembly Technologies



ARTICULATED ARMS & BALANCERS

ARMS & BALANCERS

For Tool Holding and Material Handling Applications

Stanley Assembly Technologies offers vertical balancers, torque tubes and articulating arms systems that balance loads up to 277kg (610lb) and absorb torque reaction to 1,350Nm (1000ftlb). Optional toolholders, end effectors and interfaces enhance movement and orientation for specific applications.

Custom engineered solutions can have higher capacities (to 5,000Nm) and the capability to integrate arms and balancers with tooling such as multiple-spindle nutrunners. With more than 40 years of experience, Stanley engineers are experts in evaluating customer needs and converting them into solutions that improve the productivity, ergonomics and quality of your manufacturing operations.

Ergonomic, Quality and Productivity Benefits

- Arms and balancers can increase operator efficiency, reduce fatigue and help to reduce the potential for injury.
 - Absorb torque reaction and eliminate the time for positioning and repositioning reaction bars for multiple fasteners
 - Fixture tool orientation reduces tool placement time
 - Enables multiple fastener orientations (up, down, angled) typically not practical with a standard reaction bar
 - Reduces fatigue by eliminating tool/product weight handled by operators
- Tool orientation stability can prevent cross-threads and improve fastening precision.
- Dual bridge mounting of torque tubes offers higher dimensional stability.
- Dual and triple balance air logic can improve quality and productivity.
 - Upward or downward pressure bias follows the fastener during rundown
 - Positive hold on the job can ensure a complete fastening cycle
 - Can improve material handling processes



Table Mounted Arm



Torque Tube

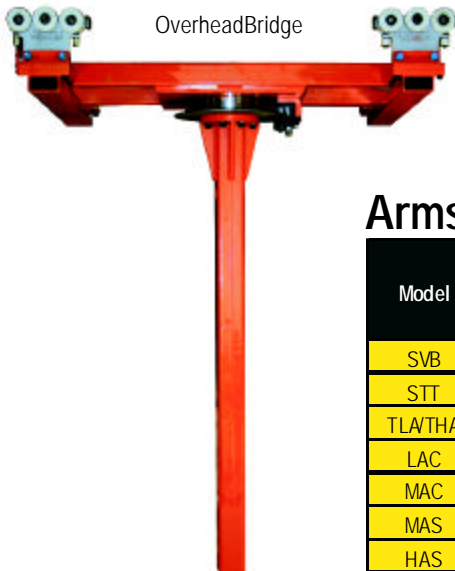


Vertical Balancer

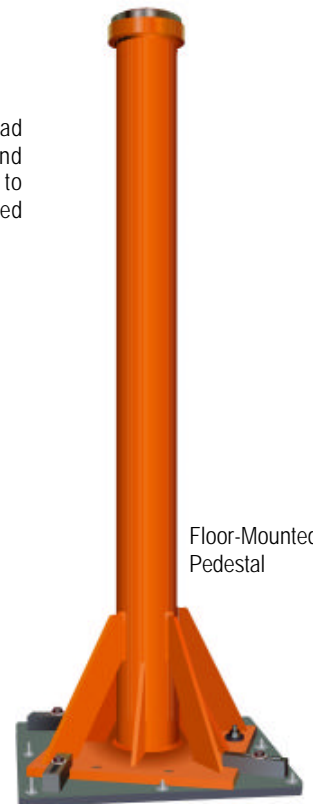


Articulating Arm

Floor mounted arms apply where overhead rails or space are not available. Clevis and swivel mounted arms can interface to Stanley overhead bridges or floor mounted pedestals for each duty level.



Overhead Bridge



Floor-Mounted Pedestal

Arms and Balancer Selector

Model	Type	Max Torque (ft lb)	Max Wt (lbs)	x,y,z Planes	Mounting Rotation	Floor Pedestal
SVB	Vertical Balancer	None	610	z	None	None
STT	Torque Tube	500	350	z	-360°	None
TLA/THA	Table Mounted Arm	150	40	x,y,z	-220°	Yes
LAC	Articulating Arm	200	155	x,y,z		Yes
MAC	Articulating Arm	500	190	x,y,z	-360°	Yes
MAS	Articulating Arm					Yes
HAS	Articulating Arm	1000	345	x,y,z		Yes

Vertical Balancers

Vertical Balancers maintain vertical position for tools without torque reaction impulses such as multiple spindle runners or material handling end effectors. Standard configurations range in vertical travel from 15 to 91 cm (6 to 36 in) and balancing capacity from 34 to 277 kg (75 to 610 lb). Custom travel distances and balancing capacities are available.

Model	Vertical Travel		Balancing Capacity		Page
	cm	in	kg	lb	
SVB	15 - 91	6 - 36	34 - 277	75 - 610	4

Torque Tubes

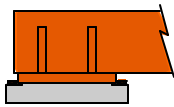
Torque Tubes offer zero-gravity balancing and absorb the torque reaction for nut runner applications from 135 to 677 Nm (100 to 500 ft lb). The torque tube protects the operator from nut runner torque reaction impulse. Fixed tool orientation increases fastening accuracy and consistency. Standard configurations range in vertical travel from 15 to 91 cm (6 to 36 in) and balancing capacity from 24 to 150 kg (55 to 350 lb). Custom travel distances and balancing capacities are available.

Duty Level	Model	Max. Torque		Balancing Capacity		Page
		Nm	ft lb	kg	lb	
Light	STT075	135	100	24	55	5
Medium	STT100	270	200	56 or 90	125 or 200	6
Heavy	STT125	677	500	75 or 150	175 or 350	7

Table Mounted Articulating Arms

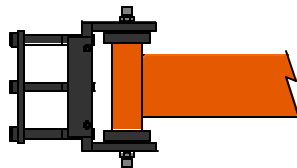
Table mounted arms enable vertical and horizontal movement with either fixed or variable tool orientation. Air pressure adjusts tool and fixture weight to 12 kg (25 lb) for the TLA-30 model or 17 kg (40 lb) for the THA-48 model at 65 psi. Torque reaction capacity is 68 Nm (50 ft lb) or 205 Nm (150 ft lb) respectively. Applications with torque reaction require less than full arm extension.

Model	Reach @ Torque Zero		Vertical Travel	Max Torque	Balancing Capacity	Mount Type	Page
	in	in					
TLA 30	36	29	7	50	25	Clevis	10
THA 48	51	41	16	150	40		
	mm	mm	mm	Nm	kg		
TLA 30	914	731	177	68	12	Clevis	10
THA 48	1295	1036	406	205	17		



Swivel Mount

- Heavy-duty applications
- Enables approximately 360° of non-continuous rotation



Clevis Mount

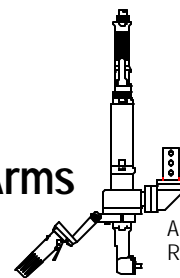
- For light to medium-duty applications
- Enables up to 220° of rotation

Pedestal & Bridge Mounted Articulating Arms

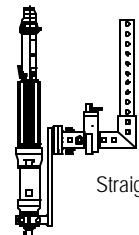
Articulated arms enable vertical and horizontal travel with either fixed or variable tool orientation. Arms can reach beyond other types of balancers on existing bridge rails. Applications with torque reaction have less reach to enable geometry that effectively absorbs the torque. Air pressure balances tool and fixture weights with standard models ranging in capacity from 13 to 157 kg (30 to 345 lb). Torque reaction capacity of standard models range from 275 to 1356 Nm (200 to 1000 ft lb). Custom travel distances, torque reaction and balancing capacities are available.

Duty Level	Mount Type	Model	Reach @ Torque Zero		Vertical Travel	Max Torque	Balancing Capacity	Page
			in	in				
Light	Clevis	LAC	36 - 96	29 - 77	12 - 30	200	155 - 35	11
Medium	Clevis	MAC	36 - 132	29 - 106	14 - 36	500	190 - 30	12
	Swivel	MAS						
Heavy	Swivel	HAS	36 - 156	29 - 125	14 - 36	1000	345 - 30	14
			cm	cm	cm	Nm	kg	
Light	Clevis	LAC	92 - 243	74 - 194	31 - 76	275	71 - 16	11
Medium	Clevis	MAC	92 - 335	74 - 269	37 - 92	675	87 - 13	12
	Swivel	MAS						
Heavy	Swivel	HAS	92 - 396	74 - 318	36 - 91	1356	157 - 13	14

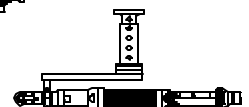
Optional Tool Holders



Angle Tool with Remote Start Handle



Straight Tool



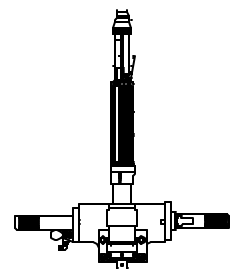
Angle Tool

Bridges

Model	Page
LBC	16
MBC	17
MBS	18
HBS	18
LBC	16
MBC	17
MBS	17
HBS	18

Pedestals

Model	Page
LP	19
MPC	
MPS	
HD	
LP	19
MPC	
MPS	
HD	



Straight Tool with Remote Start Handle

VERTICAL BALANCERS

SVB VERTICAL BALANCERS

CLEVIS INTERFACE

BALANCING CAPACITY MAX @ 65psi: 34kg(75lb) to 277kg(610lb)

SVB Vertical Balancers maintain vertical position with horizontal movement for multiple spindle tools.

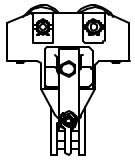
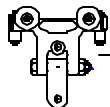



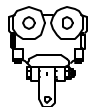

Specify vertical travel "V" from 15 to 91 cm (6 to 36 in).

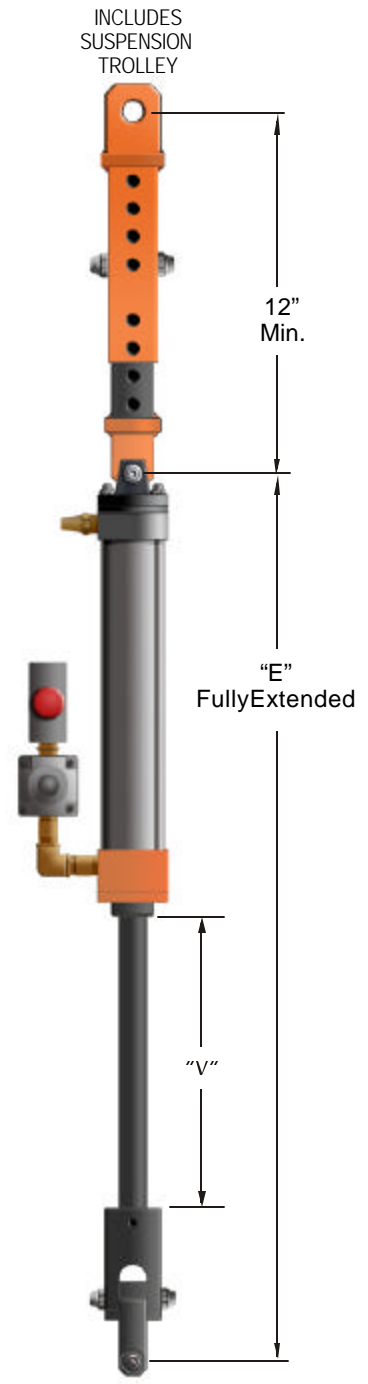
- Zero-gravity tool balancing reduces operator fatigue
- All critical fasteners are either safety wired or pinned to ensure reliable operation
- Rugged and simple construction
- Single trolley interfaces with common overhead rails

Note: Not suitable for tools that give a torque reaction impulse.

MODEL			
SVB	###	X	##
Cylinder Size		"E"	"V" Vertical Travel
34kg(75lb) capacity	150	27.6cm(10.9in)+2"V"	06 15 cm (6 in)
55kg(120lb) capacity	200	27.6cm(10.9in)+2"V"	12 30 cm (12 in)
97kg(215lb) capacity	250	29cm(11.4in)+2"V"	18 46 cm (18 in)
176kg(390lb) capacity	325	32cm(12.6in)+2"V"	24 60 cm (24 in)
277kg(610lb) capacity	400	33cm(12.6in)+2"V"	30 76 cm (30 in)
			36 91 cm (36 in)

Note: Capacity @ 65psi

Trolley Suspension	
	4" I-Beam Trolley A
	6" I-Beam Trolley B
	3.25" or 3.33" Flat Track Trolley C
	Unified ETA-4 Trolley D
	Unified ETA-8 Trolley E
	Demag KBKI Trolley F
	Demag KBKII-L Trolley G
	IR/Zimmerman Trolley ZRA1 H
	IR/Zimmerman Trolley ZRA2 I



OPTIONS

- Special Tool Holders and Interfaces
- Dual and Triple Balance Air Logic
- Dual Trolleys

TORQUE TUBES

STT075 LIGHT DUTY TORQUE TUBES



MAX TORQUE: 135Nm (100ftlb)

BALANCING CAPACITY MAX @ 65psi: 24kg (55lb)








STT075 Light Duty Torque Tubes offer zero-gravity balancing and absorb the torque reaction for nutrunner applications to 135Nm (100ftlb). A rugged design has balancing capacity for single or multiple spindle nutrunners to 34kg (75lb). The torque tube protects the operator from nutrunner torque reaction impulse. Fixed tool orientation increases fastening accuracy and consistency. Specify vertical travel "V" from 15 to 60cm (6 to 24 in).

- Zero-gravity tool balancing and elimination of torque reaction exposure reduces operator fatigue
- Either swivel or fixed tool interface, clevis interface optional
- Single or dual trolleys suspension with common overhead rails

MODEL					
STT	075	XX	150	X or XX	##

Tool Interface		
	Fixed	FX
	Swivel	SW

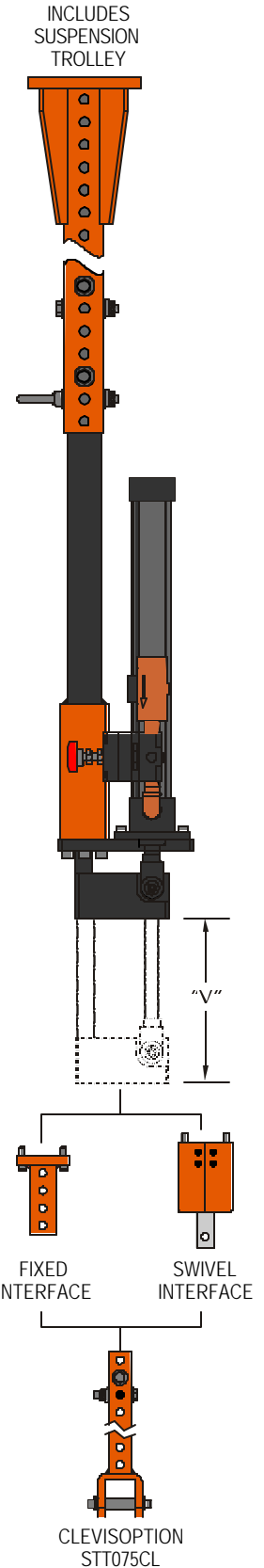
"V" Vertical Travel	
06	15 cm (6 in)
12	30 cm (12 in)
18	46 cm (18 in)
24	60 cm (24 in)

	Single Trolley	Trolley Suspension	Dual Trolley
	A	4" I-Beam Trolley	AA
	B	6" I-Beam Trolley	BB
	C	3.25" or 3.33" Flat Track Trolley	CC
	D	Unified ETA-4 Trolley	DD
	E	Unified ETA-8 Trolley	EE
	F	Demag KBK1 Trolley	FF
	G	Demag KBKII-L Trolley	GG
	H	IR/Zimmerman Trolley ZRA1	HH
	I	IR/Zimmerman Trolley ZRA2	II

Note: Single Trolleys not recommended for torque reaction applications.

OPTIONS

- Clevis STT075CL
- Special Tool Holders and Interfaces
- Dual and Triple Balance Air Logic
- Other Trolleys including Anti-kickup
- Dual Bridges



TORQUE TUBES

STT100 MEDIUM DUTY TORQUE TUBES



MAXTORQUE: 270Nm(200 ftlb)

BALANCINGCAPACITY MAX @65psi: 56kg(125lb)or90kg(200lb)

STT100 MediumDutyTorqueTubesofferzero-gravitybalancingandabsorbthetorqueactionfornutrunner applicationsto270Nm(200ftlb). Aruggeddesignsuitableforlinetrackinghasbalancingcapacityforsingleor multiplespindlenutrunnerstoeither 56or90kg(125or200lb). Fixuredtoolorientationincreasesfastening accuracyandconsistency. Specifyverticaltravel"V"from 15to60cm(6to24in).

- Zero-gravitytoolbalancingandeliminationoftorqueactionexposurereducesoroperatorfatigue
- Eitherswivelorfixedtoolinterface,clevisinterfaceoptional
- Singleordualtrolleysuspensionwithcommonoverheadrails

MODEL					
STT	100	XX	###	X or XX	##

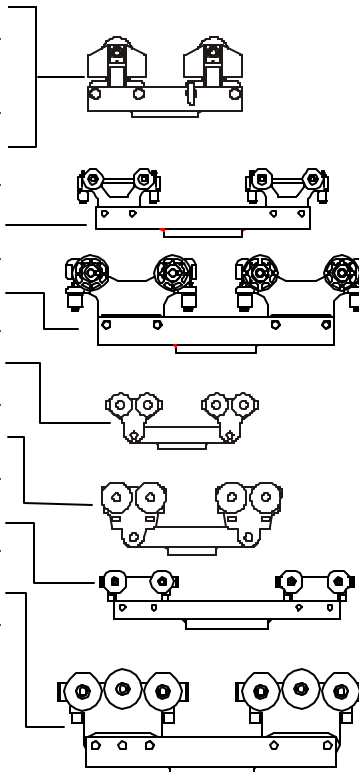
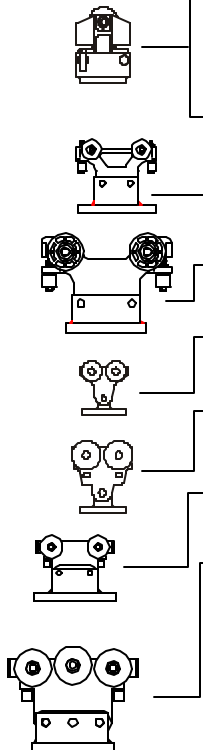
Tool Interface		
	Fixed	FX
	Swivel	SW

Cylinder Size	
200	56 kg (125 lb) cap.
250	90 kg (200 lb) cap.

Note: Capacity@65psi

"V" Vertical Travel	
06	15 cm (6 in)
12	30 cm (12 in)
18	46 cm (18 in)
24	60 cm (24 in)

Single Trolley	Trolley Suspension	Dual Trolley
A	4" I-Beam Trolley	AA
B	6" I-Beam Trolley	BB
C	3.25" or 3.33" Flat Track Trolley	CC
D	Unified ETA-4 Trolley	DD
E	Unified ETA-8 Trolley	EE
F	Demag KBKI Trolley	FF
G	Demag KBKII-L Trolley	GG
H	IR/Zimmerman Trolley ZRA1	HH
I	IR/Zimmerman Trolley ZRA2	II

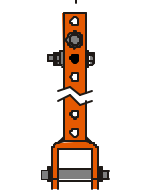
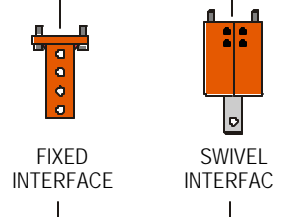
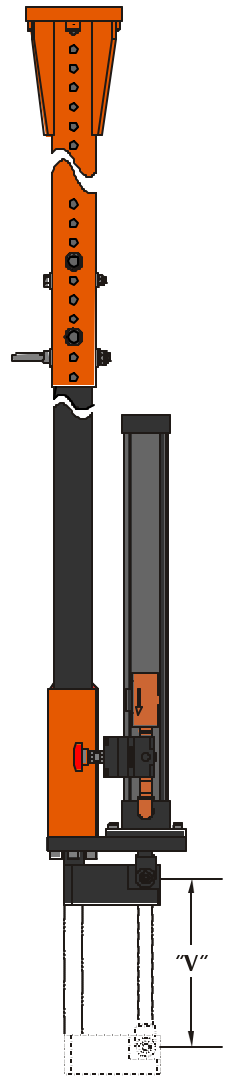


Note: SingleTrolleysnotrecommendedfor torqueactionapplications.

OPTIONS

- ClevisSTT100CL
- SpecialToolHoldersandInterfaces
- DualandTripleBalanceAirLogic
- OtherTrolleysincludingAnti-kickup
- DualBridges

INCLUDES SUSPENSION TROLLEY



CLEVISOPTION STT100CL



STT125 HEAVY DUTY TORQUE TUBES

MAXTORQUE: 677Nm(500 ftlb)

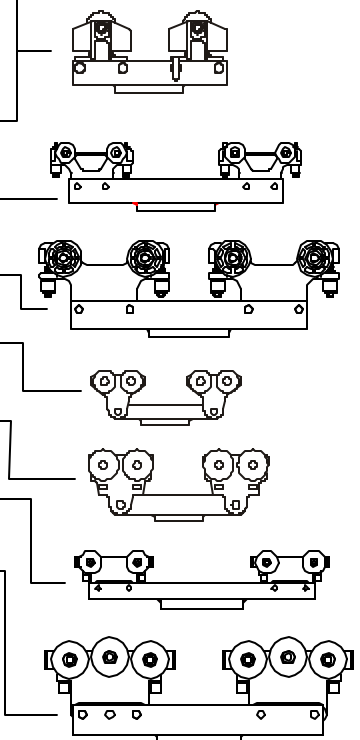
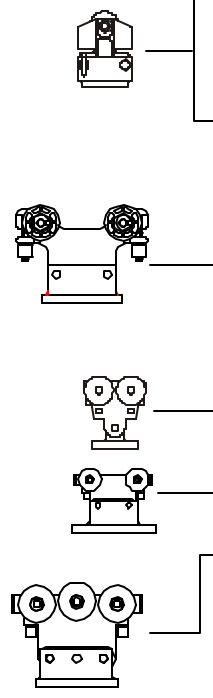
BALANCINGCAPACITY MAX @65psi: 75kg(175lb)or 150kg(350lb)

STT125 Heavy Duty Torque Tubes offer zero-gravitybalancing and absorb the torque reactionfor nutrunner applicationsto677Nm(500 ftlb). Aruggeddesignsuitableforlinetrackinghasbalancingcapacityforsingleor multiplespindlenutrunnersto either 75 or 150kg(175or350lb). Thetorquetubeprotectstheoperatorfrom nutrunner torque reaction impulse. Fixtured toolorientation increases fastening accuracy and consistency. Specifyverticaltravel"V"from15to90cm(6to36in).

- Zero-gravitytoolbalancingandeliminationoftorqueactionexposure reducesoperatorfatigue
- Eitherswivelorfixedtoolinterface,clevisinterfaceoptional
- Singleordualtrolleysuspensionwithcommonoverheadrails

MODEL					
STT	125	XX	###	X or XX	##
Tool Interface  Fixed FX  Swivel SW		Cylinder Size 250 75kg(175lb) 325 150kg(350lb) <small>Note: Capacity@65psi</small>		"V" Vertical Travel 15 cm (6 in) 06 30 cm (12 in) 12 46 cm (18 in) 18 60 cm (24 in) 24 90 cm (36 in) 36	

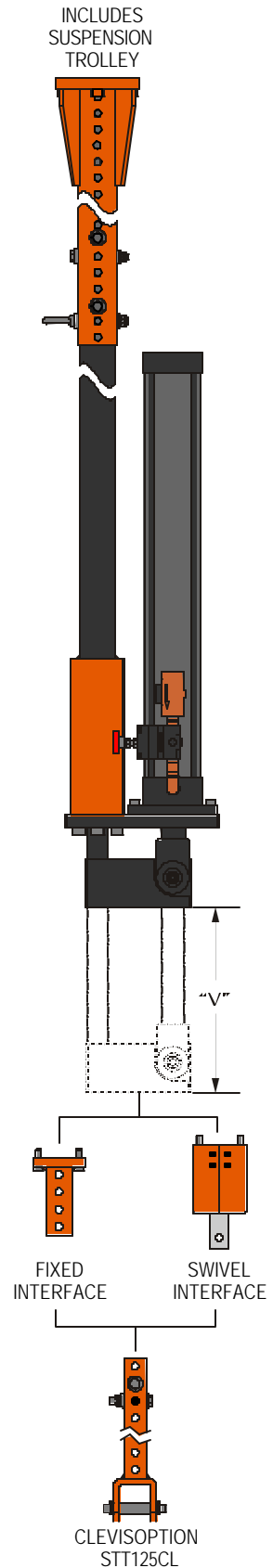
Single Trolley	Trolley Suspension	Dual Trolley
A	4" I-Beam Trolley	AA
B	6" I-Beam Trolley	BB
C	3.25" or 3.33" Flat Track Trolley	CC
	Unified ETA-4 Trolley	DD
E	Unified ETA-8 Trolley	EE
	Demag KBKI Trolley	FF
G	Demag KBKII-L Trolley	GG
H	IR/Zimmerman Trolley ZRA1	HH
I	IR/Zimmerman Trolley ZRA2	II



Note: Single Trolleys not recommended for torque reaction applications.

OPTIONS

- Clevis STT125CL
- Special Tool Holders and Interfaces
- Dual and Triple Balance Air Logic
- Other Trolleys including Anti-kickup
- Dual Bridges



ARTICULATING ARMS

ARM SELECTION

1. Select an arm model with the required balancing capacity for the job. For single nut runners, verify the torque capacity.
2. Check that the "Vertical Travel", "Reach", "D" and "F" dimensions meet the requirements of the job. Use the overhead diagram for the noted models and variables such as offset arms or mounting type.
3. Select any required options.

Duty Level	Arm Model	Max Torque	Balancing Capacity	Vertical Travel	Mount Type	Reach @ Torque	
						Zero	Max
		ftlb	lb	in		in	in
Light	TLA 30	50	25	7	Clevis	36	29
Light	THA 48	150	40	16	Clevis	51	41
Light	LAC	200	155 - 35	12 - 30	Clevis	36 - 96	29 - 77
Medium	MAC	500	190 - 30	14 - 36	Clevis	36 - 132	29 - 106
	MAS				Swivel		
Heavy	HAS	1000	345 - 30	14 - 36	Swivel	36 - 156	29 - 125

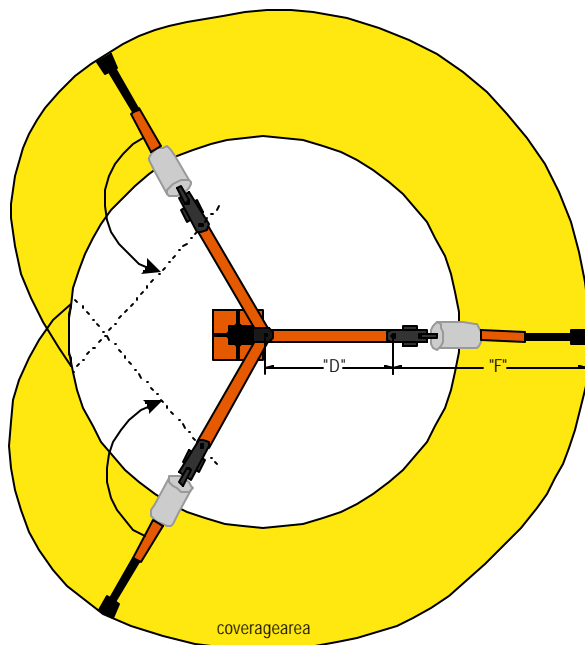
		Nm	kg	cm		cm	cm
Light	TLA 30	68	12	177	Clevis	914	731
Light	THA 48	205	17	406	Clevis	1295	1036
Light	LAC	275	71 - 16	31 - 76	Clevis	92 - 243	74 - 194
Medium	MAC	675	87 - 13	37 - 92	Clevis	92 - 335	74 - 269
	MAS				Swivel		
Heavy	HAS	1356	157 - 13	36 - 91	Swivel	92 - 396	74 - 318

Reach Dim Range	
"D"	"F"
in	in
12	15
12	10 - 13.5
12 - 36	24 - 60
12 - 36	24 - 60
12 - 72	24 - 60
12 - 96	24 - 60
cm	cm
30.5	38
30.5	25 - 34
31 - 91	74 - 194
31 - 91	74 - 194
31 - 188	74 - 194
31 - 244	74 - 194

ADDITIONAL COST OPTIONS			
Offset Arm	End of Arm Swivel	Swivel with Brake	Tool Holders
	Yes		Yes
	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
	Yes		Yes
	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

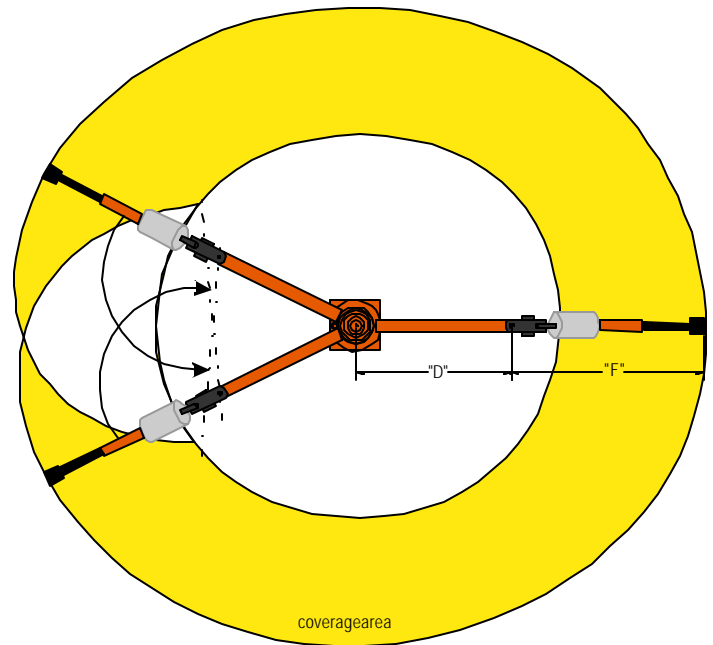
STANDARD ARM COVERAGE

Standard arm coverage symmetric about the outside radius.



ClevisMount

Enables 220° rotation of the articulating arm assembly
Models: TLA, THA, LAC, MAC

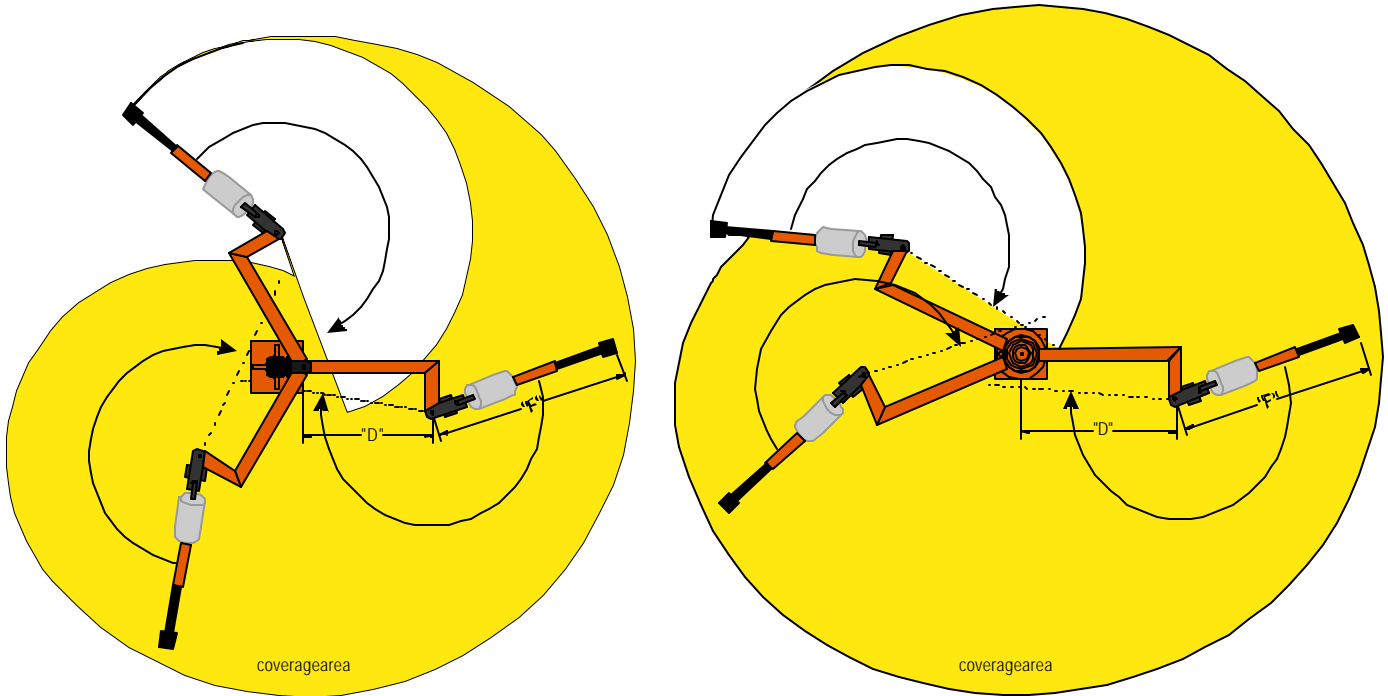


SwivelMount

Enables 360° rotation of the articulating arm assembly
Models: MAS, HAS

OFFSET ARM COVERAGE

Offset arms enable coverage of the interior area by folding inward.



ClevisMount

Enables 220° rotation of the articulating arm assembly

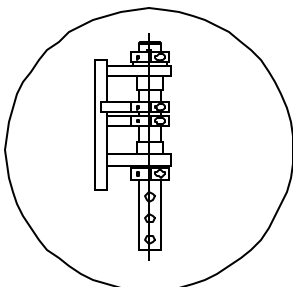
Models: LAC, MAC

SwivelMount

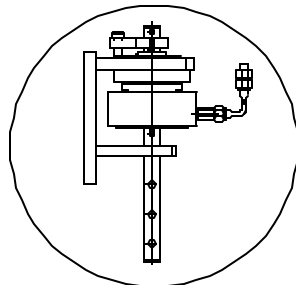
Enables 360° rotation of the articulating arm assembly

Models: MAS, HAS

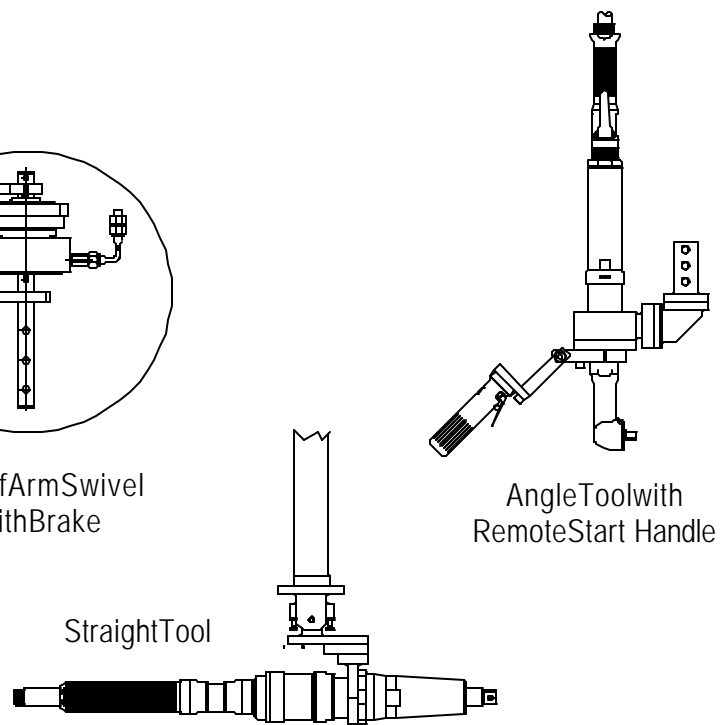
OPTIONS



End of Arm Swivel



End of Arm Swivel with Brake



Straight Tool

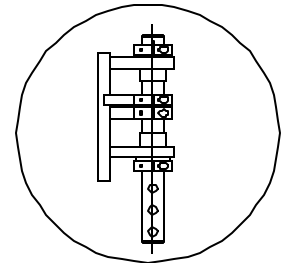
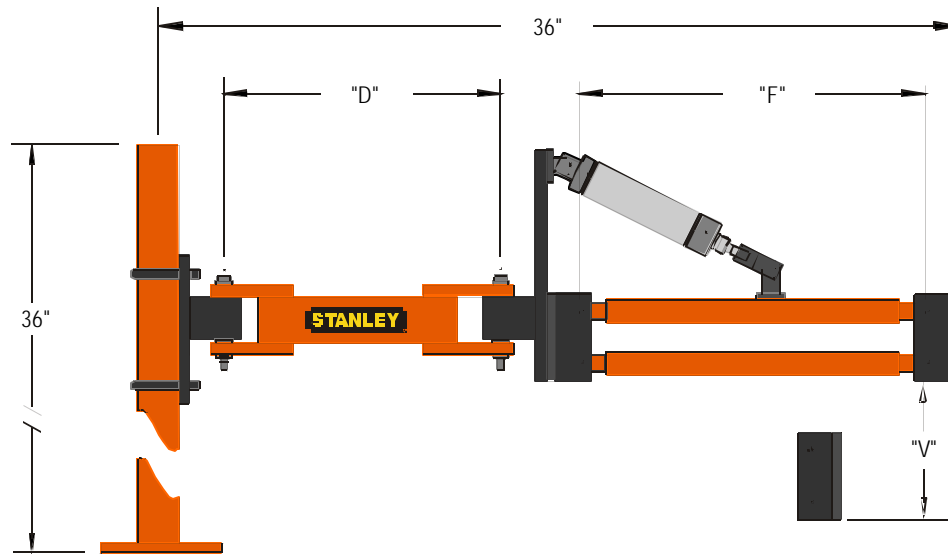
Angle Tool with Remote Start Handle

ARTICULATING ARMS

TLA-30 LIGHT DUTY TABLE MOUNTED ARTICULATING ARM

MAX TORQUE: 68Nm (50ftlb)

BALANCING CAPACITY MAX @ 65psi: 12kg (25lb)



Optional End of Arm Swivel

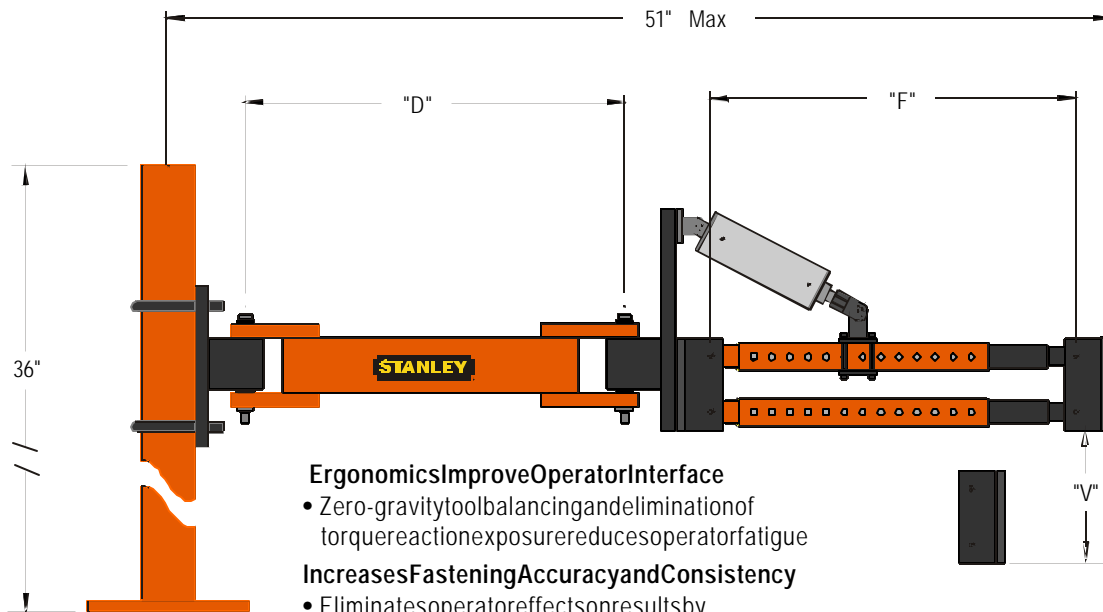
OPTIONS:

- Special Toolholders and Interfaces
- End of Arm Swivel
- End of Arm Swivel with Brake (THA-48 only)
- Floor Mounted Pedestals
- Overhead Bridge

THA-48 HEAVY DUTY TABLE MOUNTED ARTICULATING ARM

MAX TORQUE: 205Nm (150ftlb)

BALANCING CAPACITY MAX @ 65psi: 17kg (40lb)

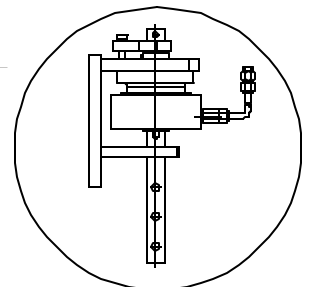


Ergonomics Improve Operator Interface

- Zero-gravity tool balancing and elimination of torque reaction exposure reduces operator fatigue

Increases Fastening Accuracy and Consistency

- Eliminates operator effects on results by absorbing the torque reaction impulse



Optional End of Arm Swivel with Brake

MODEL	"D" Length		"F" Length		"V" Travel		Max Torque		Balancing Capacity Max @ 65psi	
	mm	in	mm	in	mm	in	Nm	ftlb	Kg	lb
TLA-30	305	12	381	15	177	7	68	50	12	25
THA-48	305	12	229 - 342	9 - 13.5	406	16	205	150	17	40

LAC LIGHT DUTY ARTICULATING ARM

CLEVIS MOUNT

MAX TORQUE: 275 Nm (200 ftlb)

BALANCING CAPACITY MAX @ 65psi: 41 kg (90 lb) or 71 kg (155 lb)

LAC Light Duty Articulating Arm offers interfaces for overhead bridge, floor pedestal or special mounting.

Ergonomics Improve Operator Interface

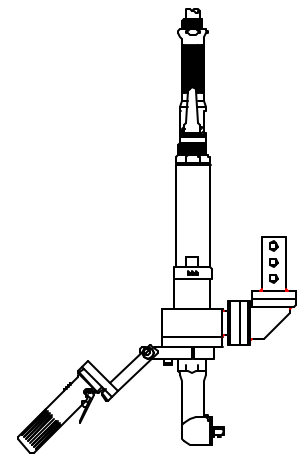
- Zero-gravity tool balancing and elimination of torque reaction exposure reduces operator fatigue

Increases Fastening Accuracy and Consistency

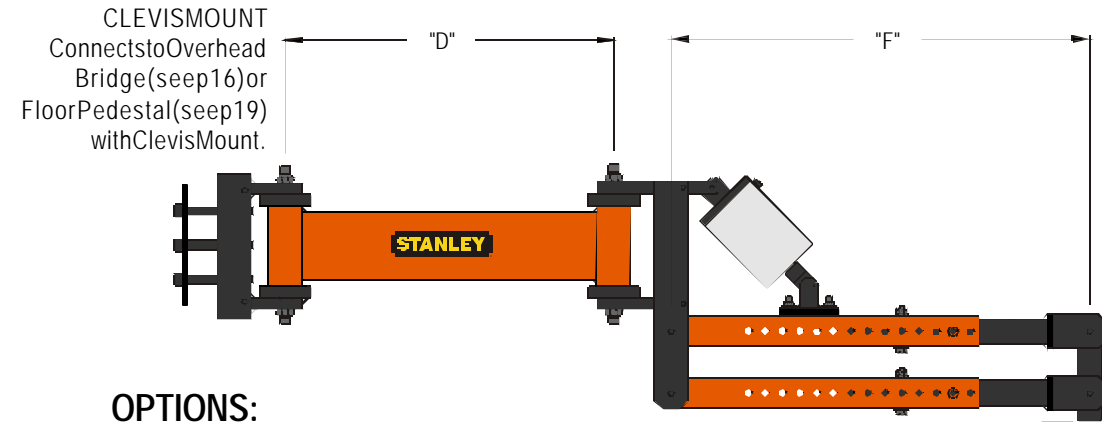
- Eliminates operator effect on results by absorbing the torque reaction impulse

Features Ensure Reliable Operation

- All critical fasteners are either safety wired or pinned

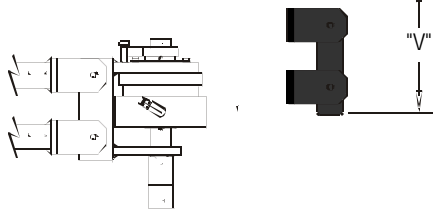


Typical Tool Holder

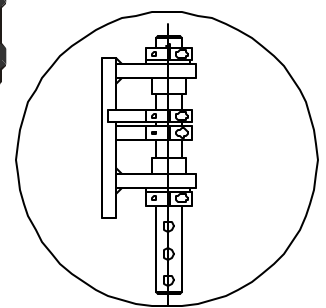


OPTIONS:

- Special Tool holders and Interfaces
- End of Arm Swivel or Swivel with Brake
- Offset Arm
- Inverted Forearm and Cylinder
- Dual and Triple Balance Air Logic



Optional End of Arm Brake/Clutch



Optional End of Arm Swivel

MODEL				
LAC	#	B, or C	#	

"F"		"V"		
Forearm Length		Vertical Travel		
cm	in	cm	in	
61	24	31	12	24
76	30	38	15	30
91	36	46	18	36
107	42	53	21	42
122	48	61	24	48
137	54	69	27	54
152	60	76	30	60

B (2-1/2")		C (3")	
CYLINDER SIZE			
Balancing Capacity Max			
kg	lb	kg	lb
41	90	71	155
33	70	57	125
27	60	47	105
23	50	40	90
20	45	35	75
18	40	31	70
16	35	22	50

Note: Capacity @ 65psi

"D"		
Dumbbell Length		
	cm	in
12	31	12
18	46	18
24	61	24
30	76	30
36	91	36

ARTICULATING ARMS

MEDIUM DUTY ARTICULATING ARM

SWIVEL MOUNT (MAS)

CLEVIS MOUNT (MAC)

MAX TORQUE: 675 Nm (500 ftlb)

BALANCING CAPACITY MAX @ 65 psi: 32 kg (70 lb), 53 kg (115 lb) or 87 kg (190 lb)

MA Medium Duty Articulating Arm offers interfaces for overhead bridge, floor pedestal or special mounting.

Ergonomics Improve Operator Interface

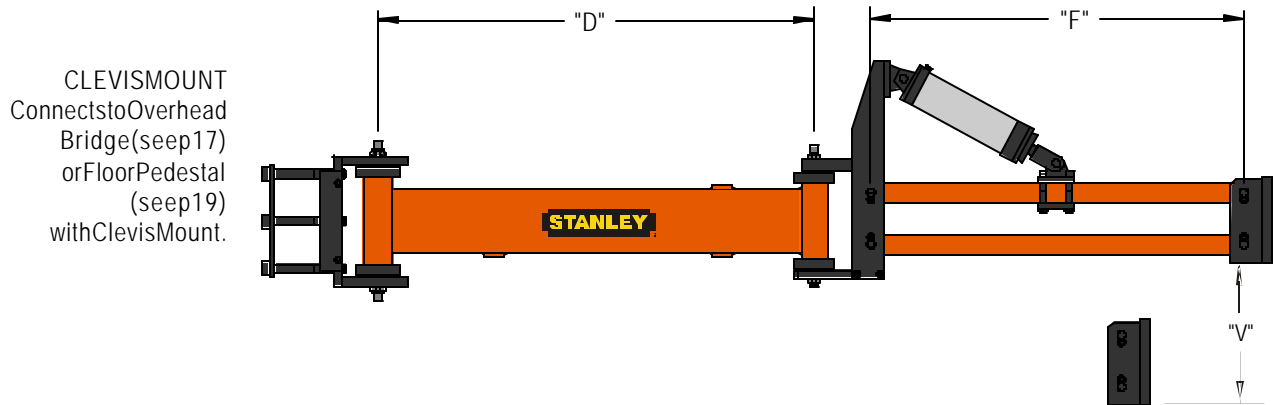
- Zero-gravity tool balancing and elimination of torque reaction exposure reduces operator fatigue

Increases Fastening Accuracy and Consistency

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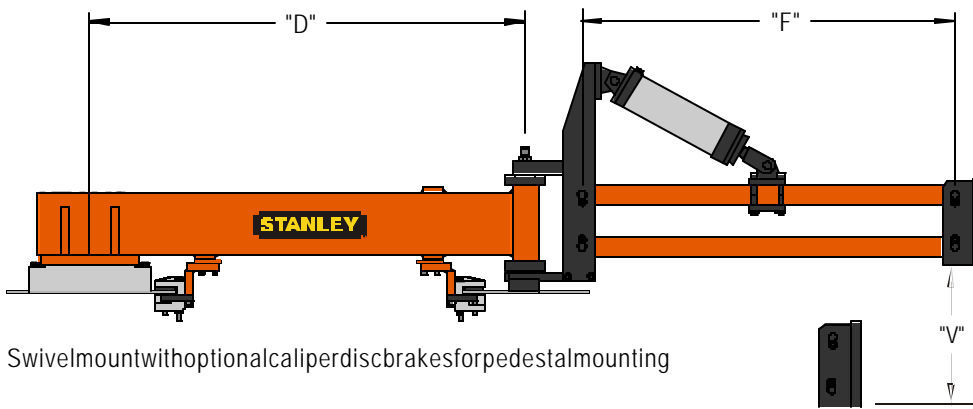
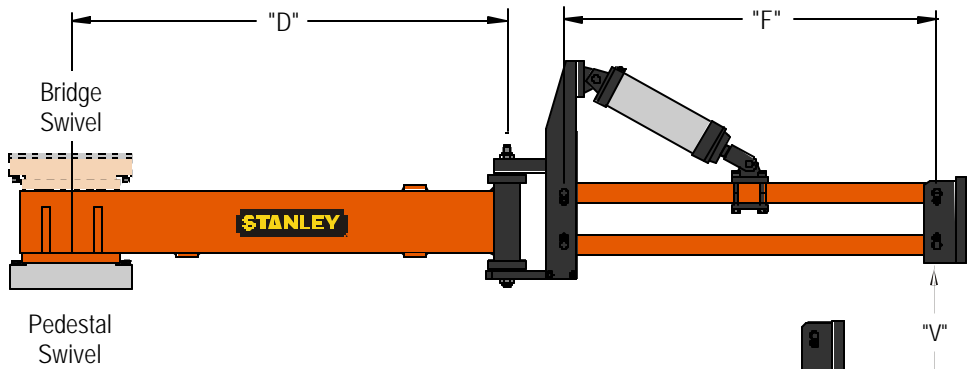
Features Ensure Reliable Operation

- All critical fasteners are either safety wired or pinned
- Safety check valves maintain load position if a sudden loss of supply air pressure occurs



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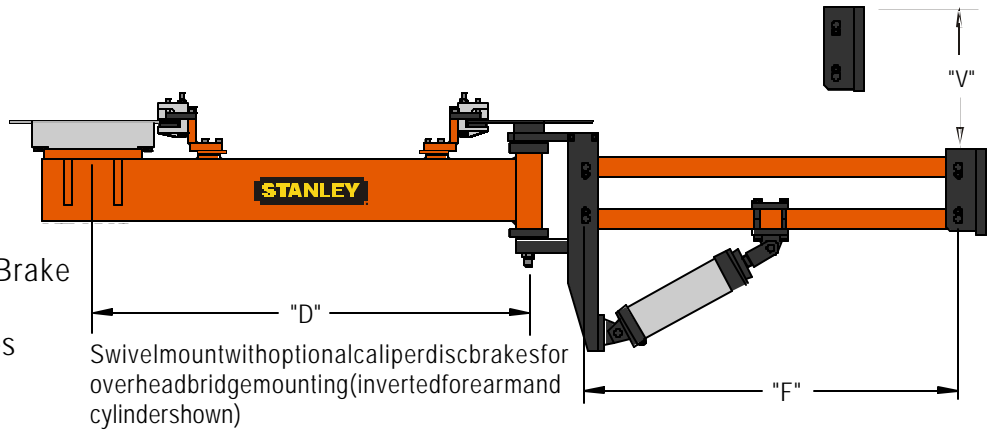
SWIVELMOUNT
ConnectstoOverhead
Bridge(seep17)
orFloorPedestal
(seep19)
wthSwivel Mount.



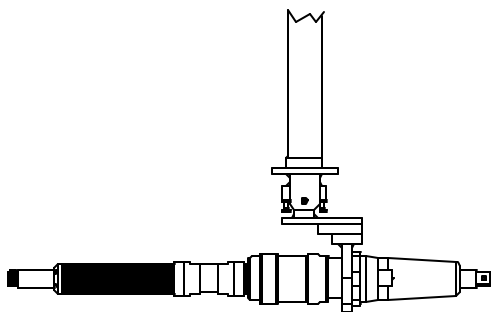
Swivelmountwithoptionalcaliperdiscbrakesforpedestalmounting

OPTIONS

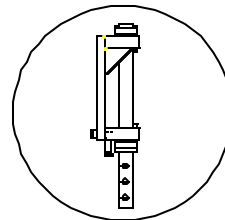
- ClevisorSwivelMount
- OffsetArm
- CaliperBrakes
- EndofArmSwivelorSwivelwithBrake
- InvertedForearmandCylinder
- SpecialToolholdersandInterfaces
- DualAndTripleBalanceAirLogic



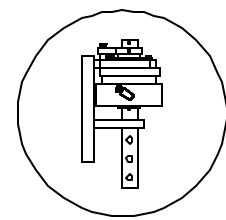
Swivelmountwithoptionalcaliperdiscbrakesfor
overheadbridgemounting(invertedforearmand
cylindersshown)



TypicalToolHolder



OptionalEndofArm
SwivelwithBrake



OptionalEndof
ArmBrake/Clutch

ARTICULATING ARMS

HAS HEAVY DUTY ARTICULATING ARM

SWIVEL MOUNT

MAX TORQUE: 1356 Nm (1000 ft-lb)

BALANCING CAPACITY MAX @ 65 psi: 49 kg (110 lb), 88 kg (195 lb) or 157 kg (345 lb)

HAS Heavy Duty Articulating Arm offers interfaces for overhead bridge, floor pedestal or special mounting.

Ergonomics Improve Operator Interface

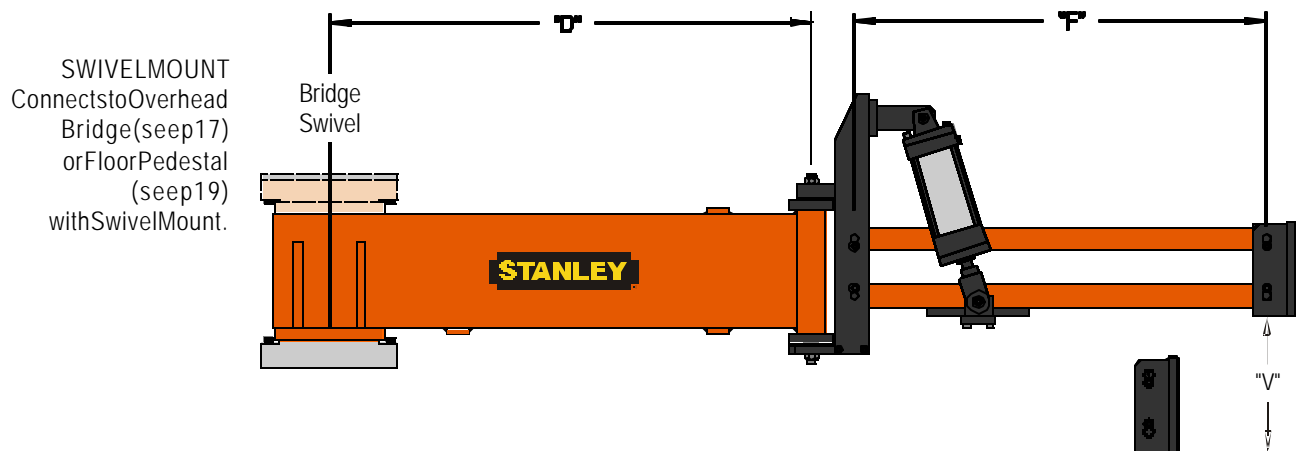
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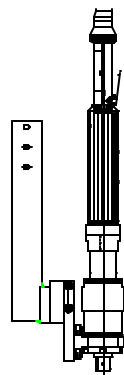
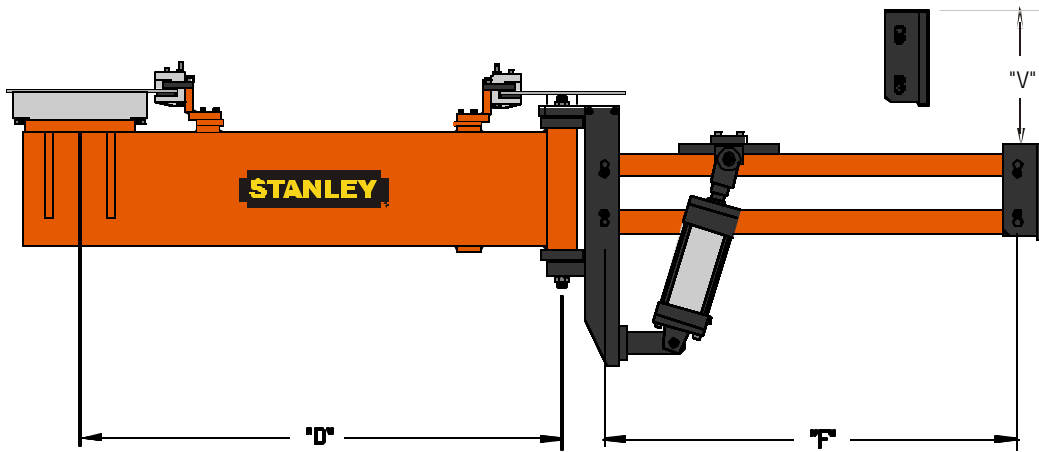
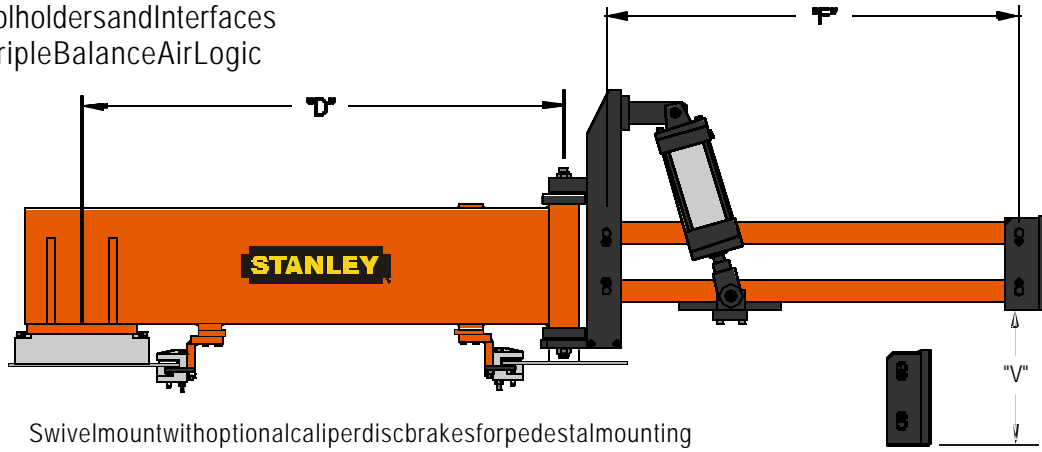
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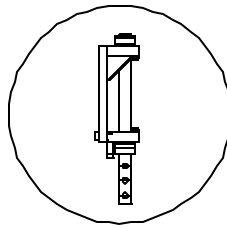
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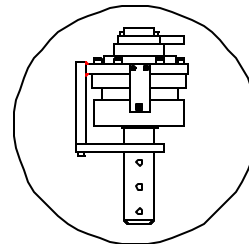
- Caliper Brakes
- Offset Arm
- End of Arm Swivel or Brake
- Inverted Forearm and Cylinder
- Special Toolholders and Interfaces
- Dual and Triple Balance Air Logic



Typical Tool Holder



Optional End of Arm Swivel



Optional End of Arm Brake/Clutch

OVERHEAD BRIDGES

LBC LIGHT DUTY OVERHEAD BRIDGE

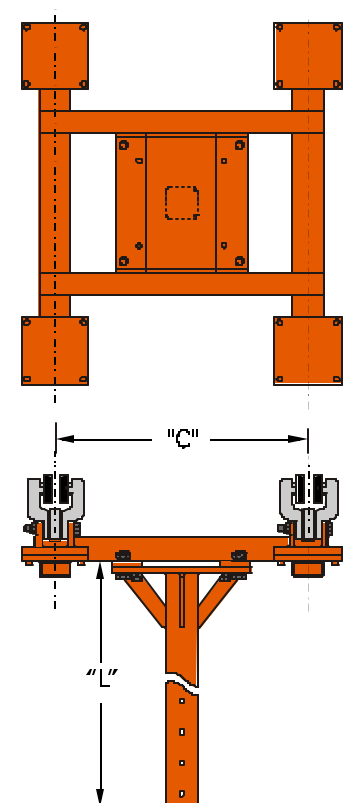
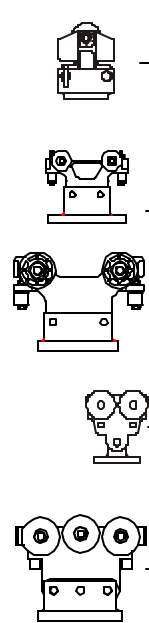
FOR CLEVIS ARM MOUNT
 MAX LENGTH: 244cm (96in)

LBC Light Duty Overhead Bridges interface Stanley Articulating Arms to all common overhead rails. Bridge mast includes leveling jacks.

- All critical fasteners are either safety wired or pinned to ensure reliable operation
- Rugged and simple construction

NOTE: "Duty" level of Overhead Bridge must match "Duty" level of Articulating Arm. (ie: Medium Duty Bridge for Medium Duty Arm.)

MODEL				
LBC	##	X	##	
"C" Runway Rail Center Distance	30.5 cm (12")	12	"L" Down Mast Length	
	45.7 cm (18")	18		
	61.0 cm (24")	24		
	76.2 cm (30")	30		
	91.4 cm (36")	36		
	121.9 cm (48")	48		
	152.4 cm (60")	60		
Trolley Suspension	4" I-Beam Trolley	A	24	61.0 cm (24")
	6" I-Beam Trolley	B	30	76.2 cm (30")
	3.25" or 3.33" Flat Track Trolley	C	36	91.4 cm (36")
	Unified ETA-4 Trolley	D	42	106.7 cm (42")
	Unified ETA-8 Trolley	E	48	121.9 cm (48")
	Demag KBKI Trolley	F	60	152.4 cm (60")
	Demag KBKII-L Trolley	G	72	182.9 cm (72")
	IR/Zimmerman Trolley ZRA1	H	84	213.4 cm (84")
	IR/Zimmerman Trolley ZRA2	I	96	243.8 cm (96")



LBC Light Duty Overhead Bridge with Clevis Mount

Other trolleys including anti-kickup available

MB MEDIUM DUTY OVERHEAD BRIDGE

FOR SWIVEL OR CLEVIS ARM MOUNT
 MAX LENGTH: 244cm (96in)

MB Medium Duty Overhead Bridges interface Stanley Articulating Arms to all common overhead rails. Bridge mast includes leveling jacks.

- All critical fasteners are either safety wired or pinned to ensure reliable operation
- Rugged and simple construction

NOTE: "Duty" level of Overhead Bridge must match "Duty" level of Articulating Arm. (ie: Medium Duty Bridge for Medium Duty Arm.)

MODEL				
MB	C or S	#	x	#

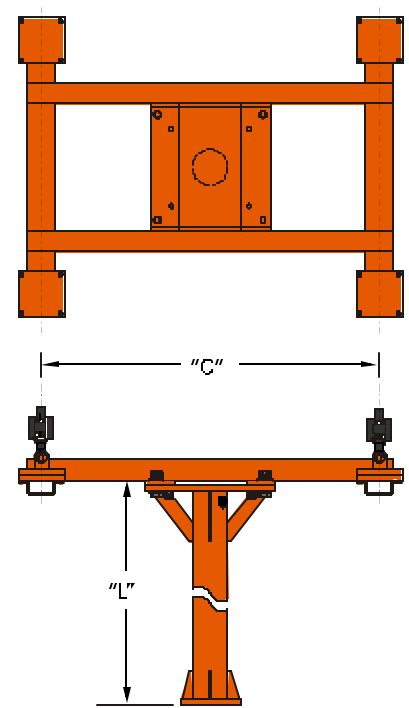
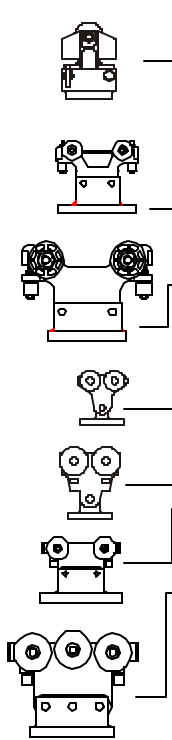
Mounting Type	
Clevis Mount	C
Swivel Mount	S

"C" Runway Rail Center Distance	
30.5 cm (12")	12
45.7 cm (18")	18
61.0 cm (24")	24
76.2 cm (30")	30
91.4 cm (36")	36
121.9 cm (48")	48
152.4 cm (60")	60

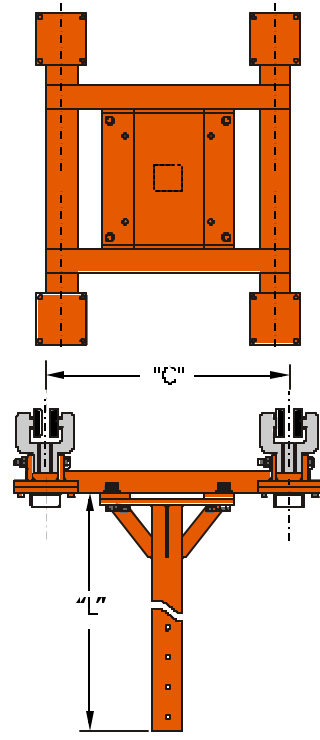
"L" Down Mast Length	
24	61.0 cm (24")
30	76.2 cm (30")
36	91.4 cm (36")
42	106.7 cm (42")
48	121.9 cm (48")
60	152.4 cm (60")
72	182.9 cm (72")
84	213.4 cm (84")
96	243.8 cm (96")

Trolley Suspension	
4" I-Beam Trolley	A
6" I-Beam Trolley	B
3.25" or 3.33" Flat Track Trolley	C
Unified ETA-4 Trolley	D
Unified ETA-8 Trolley	E
Demag KBKI Trolley	F
Demag KBKII-L Trolley	G
IR/Zimmerman Trolley ZRA1	H
IR/Zimmerman Trolley ZRA2	I

Other trolleys including anti-kickup available



MBS Medium Duty Overhead Bridge with Swivel Mount



MBC Medium Duty Overhead Bridge with Clevis Mount

OVERHEAD BRIDGES

HBS HEAVY DUTY OVERHEAD BRIDGE

FOR SWIVEL ARM MOUNT

MAX LENGTH: 244cm (96in)

HBS Heavy Duty Overhead Bridges interface Stanley Articulating Arms to all common overhead rails. Bridge mast includes leveling jacks.

- All critical fasteners are either safety wired or pinned to ensure reliable operation
- Rugged and simple construction

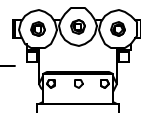
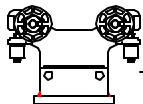
NOTE: "Duty" level of Overhead Bridge must match "Duty" level of Articulating Arm. (ie: Medium Duty Bridge for Medium Duty Arm.)

MODEL			
HBS	##	X	##

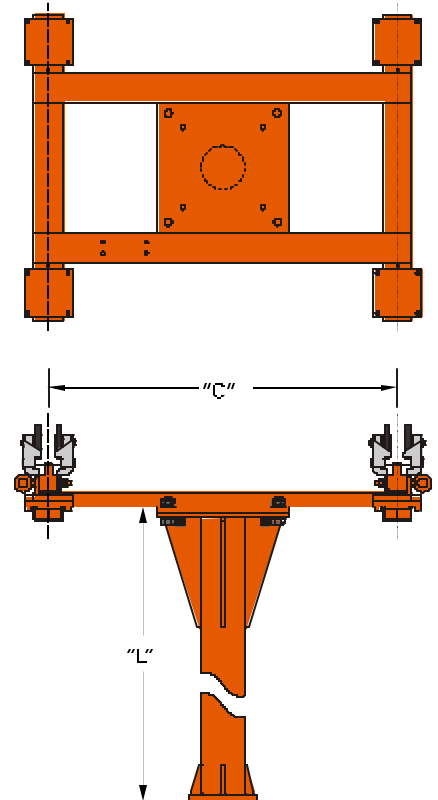
"C" Runway Rail Center Distance	
45.7 cm (18")	18
61.0 cm (24")	24
76.2 cm (30")	30
91.4 cm (36")	36
121.9 cm (48")	48
152.4 cm (60")	60

"L" Down Mast Length	
12	30.5 cm (12")
18	45.7 cm (18")
24	61.0 cm (24")
30	76.2 cm (30")
36	91.4 cm (36")
42	106.7 cm (42")
48	121.9 cm (48")
60	152.4 cm (60")
72	182.9 cm (72")
84	213.4 cm (84")
96	243.8 cm (96")

Trolley Suspension	
4" I-Beam Trolley	A
6" I-Beam Trolley	B
3.25" or 3.33" Flat Track Trolley	C
Unified ETA-8 Trolley	E
Demag KBKII-L Trolley	G
IR/Zimmerman Trolley ZRA1	H
IR/Zimmerman Trolley ZRA2	I



Other trolleys including anti-kickup available



HBS Heavy Duty Overhead Bridge with Swivel Mount

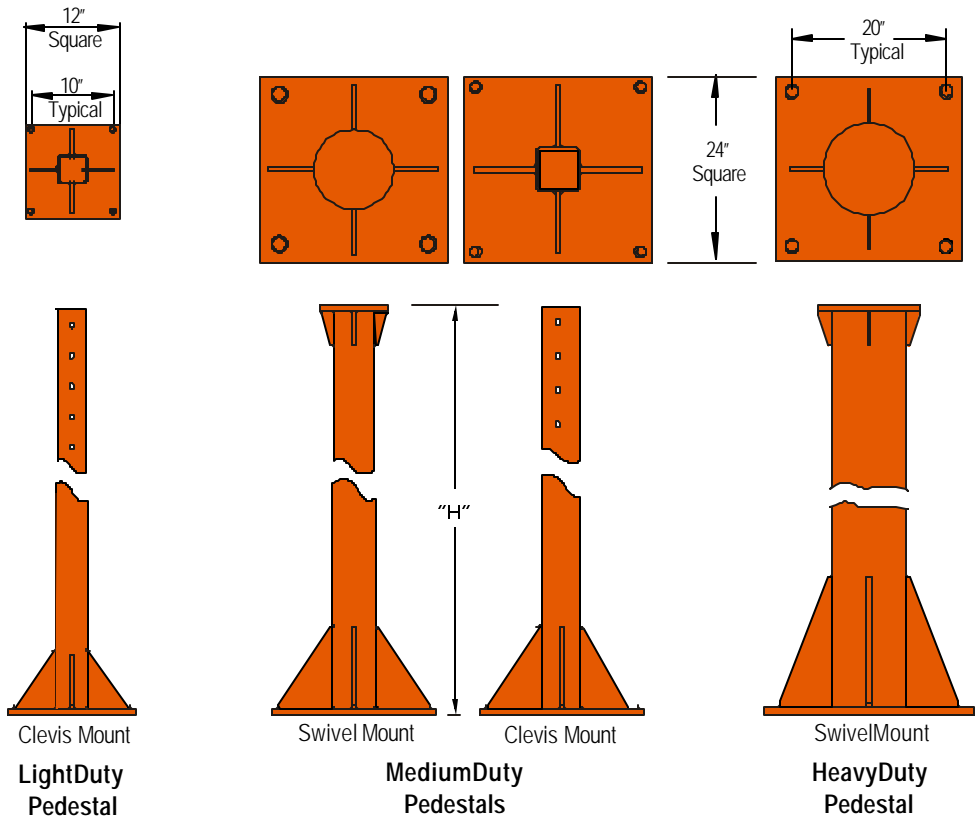
PEDESTALS

FOR CLEVIS OR SWIVEL ARM MOUNT
 MAX LENGTH: 244cm (96in)

HP/MP/LP Pedestals offer floor mounting for Stanley Articulating Arms.

- Includes leveling jacks.
- All critical fasteners are either safety wired or pinned to ensure reliable operation
- Rugged and simple construction

NOTE: "Duty" level of Pedestal must match "Duty" level of Articulating Arm. (ie: Medium Duty Pedestal for Medium Duty Arm.)



MODEL		
XX	C or S	X

Mounting Type	
Clevis Mount*	C
Swivel Mount**	S

Duty Level	
LP	Light Duty Pedestal
MP	Medium Duty Pedestal
HP	Heavy Duty Pedestal

"L"	
Mast Height	
60	152.4 cm (60")
72	182.9 cm (72")
84	213.4 cm (84")
96	243.8 cm (96")
108	247.3 cm (108")

*Not available on HP (Heavy Duty) models
 **Not available on LP (Light Duty) models

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