

ACE Series HMI Enclosures



[ACE202410LG](#)

Applications

Designed for maximum versatility, Aluminum Command Enclosure (ACE) series HMI enclosures can be configured to suit many applications. ACE series HMI enclosures are compatible with both TaraPlus and Heavy Duty suspension arm systems.

Construction

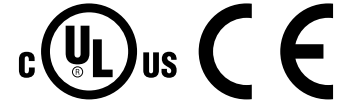
- Removable front panel for easy machining
- Quarter-turn latches for secure closure
- Grounding cables and front panel mounts included
- Optional subpanel available
- Enclosure body and door formed from 0.081in Type 5052 H-32 aluminum
- Smooth, continuously welded seams ground smooth
- Formed lip on enclosure to exclude flowing liquids and contaminants
- Enclosure features vertical aluminum profiles on each side for easier rotation/manipulation
- Door front panels are 3 mm aluminum
- Oil resistant gaskets are permanently secured
- Quarter turn latches are zinc diecast with black epoxy finish
- Diecast Zinc hinges with black epoxy finish
- Heavy duty re-inforcing plate included

Finish

- RAL7035 light gray powder coat on aluminum enclosure body

Listings

- NEMA 12 and 13
- UL 508A Type 12 [File E65324]
- IEC 60529, IP54



ACE Series HMI Enclosures					
Part	Price	Size HxWxD	Subpanel	Price	Drawing Link
ACE12126LG	\$949.00	12 x 12 x 6	ACEP1212	\$15.50	PDF
ACE12166LG	\$998.00	12 x 16 x 6	ACEP1216	\$19.00	PDF
ACE16206LG	\$1,044.00	16 x 20 x 6	ACEP1620	\$33.00	PDF
ACE16208LG	\$1,070.00	16 x 20 x 8	ACEP1620	\$33.00	PDF
ACE162010LG	\$1,092.00	16 x 20 x 10	ACEP1620	\$33.00	PDF
ACE20208LG	\$1,120.00	20 x 20 x 8	ACEP2020	\$40.50	PDF
ACE20246LG	\$1,138.00	20 x 24 x 6	ACEP2024	\$47.50	PDF
ACE20248LG	\$1,164.00	20 x 24 x 8	ACEP2024	\$47.50	PDF
ACE202410LG	\$1,215.00	20 x 24 x 10	ACEP2024	\$47.50	PDF
ACE202412LG	\$1,418.00	20 x 24 x 12	ACEP2024	\$47.50	PDF
Note: Dimensions in inches.					

TaraPlus Suspension System Overview



Applications

Enables operators to adjust and position ACE Series HMI enclosures into a more ergonomic position. Systems can be configured into various assemblies to meet operator needs.

Construction

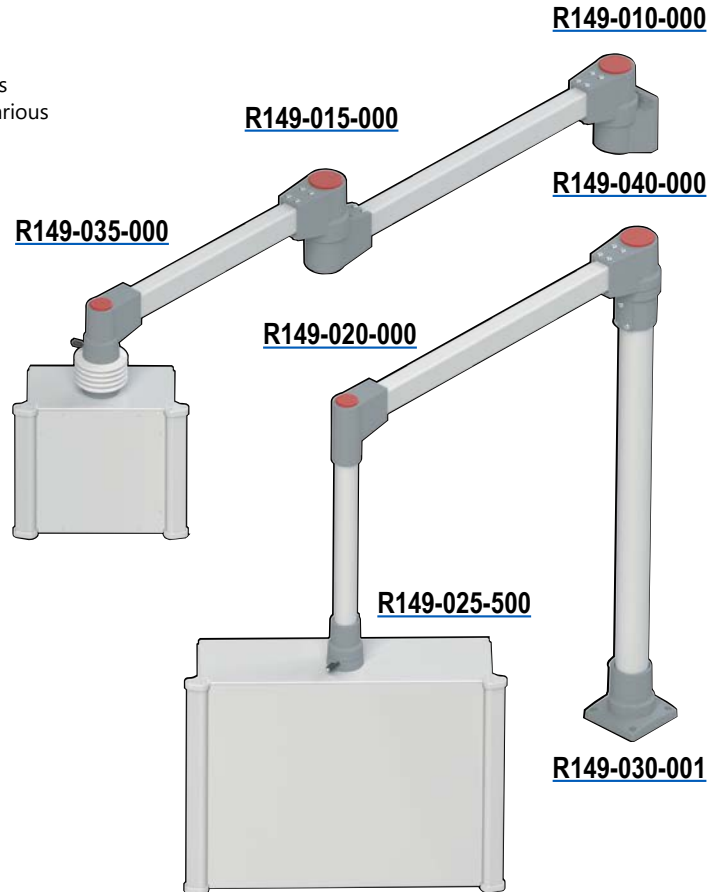
- Steel profile arms
- Die-cast G AL SI 12 aluminum joints and couplings
- Bearings used in all swiveling joints
- Wire management through profile tubes
- Available in multiple profile sizes:
 - Round - 48mm, 70mm
 - Rectangular - 60 mm × 40 mm

Finish

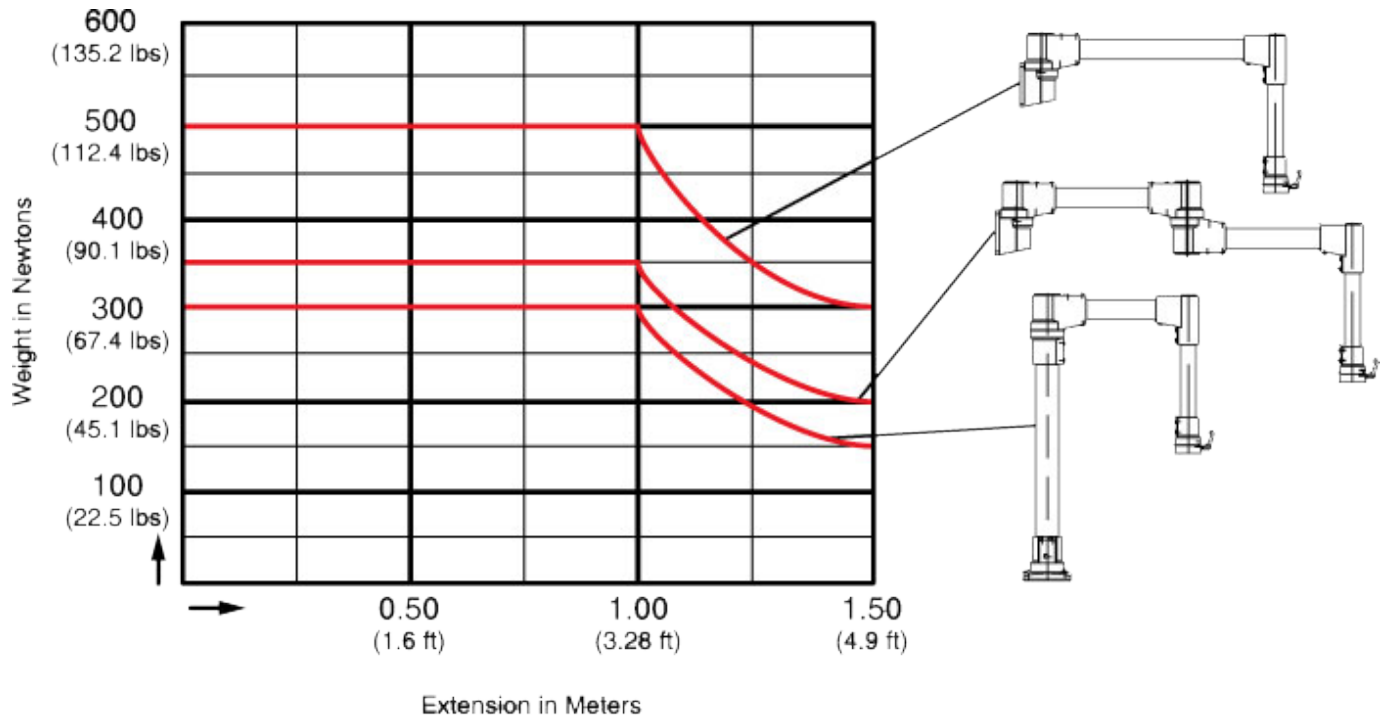
- RAL7035 light gray powder coat profile arms
- RAL7040 window gray fittings

Listings

- IEC 60529, IP54



TaraPlus Profile



TaraPlus Suspension Arm Components



TaraPlus Suspension Arm Profiles					
Part	Price	Length	Size	Picture	Drawing Link
<u>R144-310-750</u>	\$200.00	0.75 [29.5]	60 x 40mm		<u>PDF</u>
<u>R144-311-000</u>	\$200.00	1.00 [39.4]	60 x 40mm		<u>PDF</u>
<u>R144-311-500</u>	\$299.00	1.50 [59.1]	60 x 40mm		<u>PDF</u>
<u>R144-301-000</u>	\$200.00	1.00 [39.4]	48mm diameter		<u>PDF</u>
<u>R144-321-000</u>	\$200.00	1.00 [39.4]	70mm diameter		<u>PDF</u>
<u>R144-321-500</u>	\$299.00	1.50 [59.1]	70mm diameter		<u>PDF</u>
Note: Dimensions in meters [inches].					

TaraPlus Suspension Arm Base Mounts					
Part	Price	Description	Fits	Picture	Drawing Link
<u>R149-005-000</u>	\$852.00	Right-angle Top-mount Swivel Base	60 x 40mm		<u>PDF</u>
<u>R149-010-000</u>	\$620.00	Straight Wall-mount Swivel Base	60 x 40mm		<u>PDF</u>
<u>R149-030-000</u>	\$244.00	Top-mount Base	48mm		<u>PDF</u>
<u>R149-005-001</u>	\$565.00	Straight Top-mount Swivel Base	70mm		<u>PDF</u>
<u>R149-010-001</u>	\$579.00	Right-angle Wall-mount Swivel Base	70mm		<u>PDF</u>
<u>R149-030-001</u>	\$244.00	Top-mount Base	70mm		<u>PDF</u>

TaraPlus Suspension Arm Components



TaraPlus Suspension Arm Intermediate Joints					
Part	Price	Description	Fits	Picture	Drawing Link
<u>R149-015-000</u>	\$681.00	Intermediate Swivel Joint	60 x 40mm		<u>PDF</u>
<u>R149-020-000</u>	\$254.00	90-Degree Elbow	60 x 40mm and 48mm		<u>PDF</u>
<u>R149-020-001</u>	\$254.00	90-Degree Elbow	60 x 40mm and 70mm		<u>PDF</u>
<u>R149-040-000</u>	\$694.00	90-Degree Swivel Elbow	60 x 40mm and 70mm		<u>PDF</u>

TaraPlus Suspension Arm Couplings					
Part	Price	Description	Fits	Picture	Drawing Link
<u>R149-025-001</u>	\$963.00	Straight Tilt/Swivel Coupling	48mm		<u>PDF</u>
<u>R149-025-500</u>	\$375.00	Straight Top-mount Swivel Coupling	48mm		<u>PDF</u>
<u>R149-025-501</u>	\$375.00	Straight Bottom-mount Swivel Coupling	48mm		<u>PDF</u>
<u>R149-035-000</u>	\$466.00	Right-angle Swivel Coupling	60 x 40mm		<u>PDF</u>
<u>R149-035-001</u>	\$1,317.00	Right-angle Tilt/Swivel Coupling	60 x 40mm		<u>PDF</u>

Heavy Duty 50 and 80 mm Suspension Arm System Overview



Applications

Heavy-duty suspension arm system for larger enclosures requiring greater load capacity. Features 50 × 50 mm or 80 × 80 mm square profile tubes for increased strength.

Construction

- Steel profile arm
- Enhanced load capacity for larger installations
- Enclosure coupling and elbow coupling fittings are die-cast from A04130 aluminum
- All other fittings are die-cast 4G-s.g. iron

Finish

- RAL7035 light gray powder coat

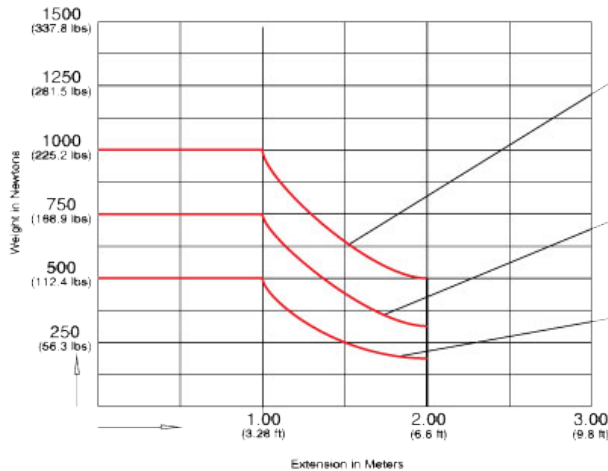
Listings

- IEC 60529, IP65, IP54

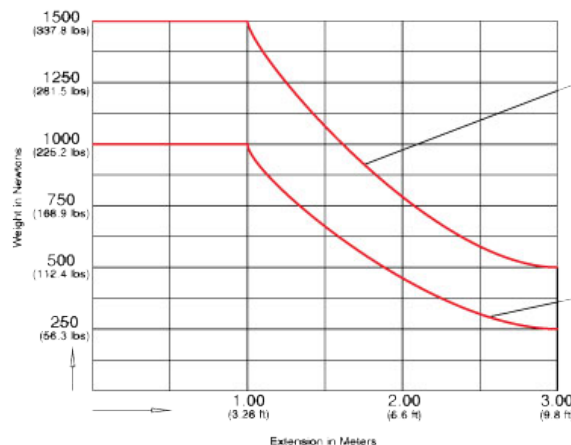


Load Capacity

50mm

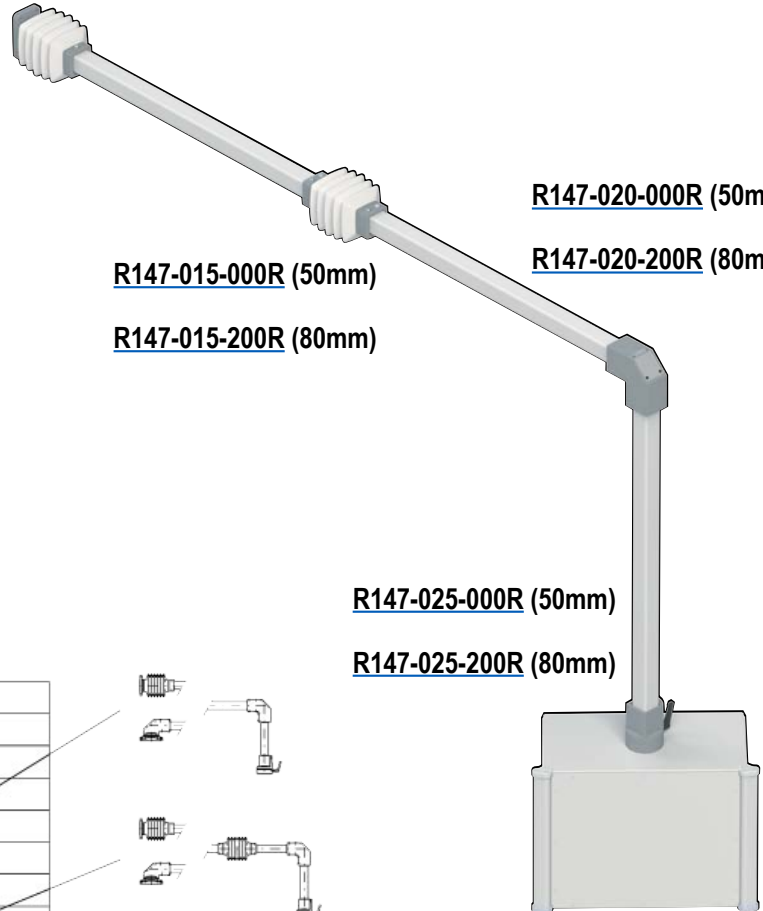


80mm



R147-010-000R (50mm)

R147-010-200R (80mm)



R147-025-000R (50mm)

R147-025-200R (80mm)

Heavy Duty 50 mm Suspension Arm Components



Heavy Duty 50 mm Suspension Arm Profiles					
Part	Price	Length	Size	Picture	Drawing Link
<u>R144-021-000R</u>	\$396.00	1.00 [39.4]	50 x 50mm		<u>PDF</u>
<u>R144-022-000R</u>	\$605.00	2.00 [78.7]	50 x 50mm		<u>PDF</u>
Note: Dimensions in meters [inches].					

Heavy Duty 50 mm Suspension Arm Fittings				
Part	Price	Description	Picture	Drawing Link
<u>R147-005-000R</u>	\$1,551.00	Right-angle Top-mount Swivel Base		<u>PDF</u>
<u>R147-010-000R</u>	\$1,001.00	Straight Wall-mount Swing Base		<u>PDF</u>
<u>R147-030-000R</u>	\$527.00	Top-mount Base		<u>PDF</u>
<u>R147-015-000R</u>	\$1,192.00	Intermediate Swing Joint		<u>PDF</u>
<u>R147-020-000R</u>	\$405.00	90-Degree Elbow		<u>PDF</u>
<u>R147-025-000R</u>	\$642.00	Swivel Coupling		<u>PDF</u>
<u>R147-035-000R</u>	\$800.00	Right-angle Swivel Coupling		<u>PDF</u>
<u>R140-045-000R</u>	\$192.00	Incline Adapter		<u>PDF</u>

Heavy Duty 80 mm Suspension Arm Components



Heavy Duty 80 mm Suspension Arm Profiles					
Part	Price	Length	Size	Picture	Drawing Link
<u>R144-041-000R</u>	\$431.00	1.00 [39.4]	80 x 80mm		<u>PDF</u>
<u>R144-042-000R</u>	\$670.00	2.00 [78.7]	80 x 80mm		<u>PDF</u>
Note: Dimensions in meters [inches].					

Heavy Duty 80 mm Suspension Arm Fittings				
Part	Price	Description	Picture	Drawing Link
<u>R147-005-200R</u>	\$2,089.00	Right-angle Top-mount Swivel Base		<u>PDF</u>
<u>R147-010-200R</u>	\$1,602.00	Straight Wall-mount Swing Base		<u>PDF</u>
<u>R147-030-200R</u>	\$710.00	Top-mount Base		<u>PDF</u>
<u>R147-015-200R</u>	\$1,648.00	Intermediate Swing Joint		<u>PDF</u>
<u>R147-020-200R</u>	\$704.00	90-Degree Elbow		<u>PDF</u>
<u>R147-025-200R</u>	\$863.00	Swivel Coupling		<u>PDF</u>
<u>R147-035-200R</u>	\$1,346.00	Right-angle Swivel Coupling		<u>PDF</u>
<u>R140-045-000R</u>	\$192.00	Incline Adapter		<u>PDF</u>