Bolt-on adaptor plates SQ

Adaptor 5-70 tonnes



Steelwrist offers the solution to ensure the right tool is used for the job. With the SQ technology you change work tools in seconds, even between work tools bought from different manufacturers.

For easy conversion of any hydraulically powered work tool to SQ (OS®)

Our adaptor plates with boltable frame easily convert any hydraulically powered work tool to SQ. The male couplings in the SQ adaptor are equipped with Qplus™ technology for higher flow, more uptime and improved serviceability. Steelwrist offers hole patterns for more than 1000 different tools in the market.

The SQ adaptor plates can be configured with manifold or with internal hoses, all with the purpose to create the best possible integration with the specific work tool. With nine different sizes of bolt-on SQ adaptor plates, Steelwrist offers the solution for integrating hydraulically powered work tools for excavators from 5 to 70 tonnes. The available sizes are SQ40, SQ45, SQ50, SQ60, SQ65, SQ70, SQ70/55, SQ80 and SQ90.

Steelwrist SQ technology and the Open-S (OS®) standard

With the SQ auto connection system for quick couplers and tiltrotators it is possible to connect both hydraulics and electrical signals directly when coupling the work tool. Steelwrist SQ automatic couplers are in compliance with Open-S (OS®) – the open industry standard for automatic couplers for excavators. This means that the SQ auto connection system is designed to also connect to other brands using the same type of oil connection system, following the Open-S (OS®) standard. By using Steelwrist SQ adaptors you can convert any hydraulic work tool or attachment to become Open-S compliant.

Different number of couplings depending on the type of work tool

All SQ adaptors can be configured in multiple ways all depending on what type of work tool and the number of functions that are used. See the table below for the different configurations that are available by coupler size.

Open-S V14 Electrical connector (option for SQ45 to SQ90)

The Open-S V14 electrical connector is a robust fourteen pole connector specially made for SQ couplers and work tool applications. It can be retrofitted in existing SQ type couplers and work tools. The Open-S V14 electrical connector can be used by all Open-S Alliance members, and is for MiC 4.0-equipped excavators the agreed standard.

Regarding interchangeability between the SQ standard and other brands of fully hydraulic quick couplers and work tools, see link.

Measurement

SQ adaptorplatta för intern slangdragning	SQ50	SQ60-4	SQ60-5	SQ65	SQ70	SQ70/55	SQ80	SQ90
Machine weight [ton]	5-13	12-20	00-20	14-22	18-33	18-33	25-43	40-75
Weight from [kg]	80	175	176	188	221	224	327	495
Height [mm]	158	195	195	208,5	255	225	238	273
Length [mm]								
Pin distance [cc-measure] [mm]	430,25	480,25	480,25	530,25	600,25	600,25	670,25	750,25
Pin diameter [mm]	50	60	60	65	70	70	80	90

SQ adaptorplatta med fördelningsblock	SQ50	SQ60-4	SQ60-5	SQ65	SQ70	SQ70/55	SQ80	SQ90
Machine weight [ton]	5-13	12-20	00-20	14-22	18-33	18-33	25-43	40-75
Weight from [kg]	89	197	198	220	265	267	391	612
Height [mm]		Max 80	Max 80	Max 95	Max 100	Max 100	Max 115	Max 125
Length [mm]								
Pin distance [cc-measure] [mm]	430,25	480,25	480,25	530,25	600,25	600,25	670,25	750,25
Pin diameter [mm]	50	60	60	65	70	70	80	90

Technical specification

EXAMPLE OF NUMBER OF COUPLINGS DEPENDING ON TYPE OF WORK TOOL* ● Required ● Not Required

SQ size	Total no of Couplings	Coupling sizes	2 functions	2 functions + drain line	1 function + drain line	1 function
SQ40	4	4x7/16"		—		
SQ50	5	2x3/8", 3x1/2"				
SQ60-4	4	2x3/4", 2x1/2"		—		
SQ60-5	5	2x3/4", 2x3/8", 1x1/2"				
SQ65	5	2x3/4", 1x1/2", 1x3/4"				
SQ70	5	2x1", 2x1/2", 1x ¾"				
SQ70/55	6	2x1", 2x1/2", 2x3/4"				
SQ80	6	2x1", 2x1/2", 2x3/4"				
SQ90	9	4x1", 3x1/2", 1x3/4", 1x3/8"				

** Please verify with your tool manufacturer as the need of connections can vary depending on manufacturer and market standards.*