



# CRIMPERS

PORTABLE, POWERFUL, PERFORMANCE



# RYCO CRIMPING EQUIPMENT RANGE

## RYCO MINI SERIES

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The RYCO Mini series crimper provides a compact and powerful experience. Weighing in at only 26kg/57.3 lb, the RY16 is ultra portable and makes those awkward jobs simple.



### RY16

**Hose Crimp:** 1" hose

**Operation:** 700 bar/10,000 psi with appropriate pump

**Die Sets:** Wide range of die sets available

**Pump:** RY16-AP Air/Hydraulic Pump and RY16-HP Hand Pump available for purchase

**Control:** Vernier dial

## RYCO MOBILE SERIES

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The RYCO Mobile series crimpers provide an easy crimping experience in a compact design. Equipped with large die openings, the RY20C and RY32C allow small and large hose assemblies to pass through with ease. Running off either 12V DC or 24V DC, this series is ideally suited for mobile service vehicles where space is at a premium.



### RY20C

**Hose Crimp:** Up to 1.1/4" hose

**Force:** Crimping force of 1,700 kN

**Die Sets:** Wide range of die sets available

**Power:** Available in 12V and 24V

**Control:** Digital



### RY32C

**Hose Crimp:** Up to 2" hose

**Force:** Crimping force of 2,200 kN

**Die Sets:** Wide range of die sets available

**Power:** Available in 12V and 24V

**Control:** Digital

## RYCO WORKSHOP SERIES

The RYCO Workshop series crimpers are designed and engineered specifically for the long-term demands of hose crimping within any environment. The workshop series crimpers are durable and built to last.



### RY20CB

**Hose Crimp:** Up to 1.1/4" hose

**Force:** Crimping force of 1,700 kN

**Die Sets:** Wide range of die sets available

**Power:** Available in single and three phase

**Control:** Digital



### RY32CB

**Hose Crimp:** Up to 2" hose

**Force:** Crimping force of 2,200 kN

**Die Sets:** Wide range of die sets available

**Power:** Available in single and three phase

**Control:** Digital

## RYCO PRODUCTION SERIES

The RYCO Production series is the tough crimping machine built from the ground up with high volume crimping in mind. For the ultimate in crimping technology and performance, look no further than the RYCO Production crimping series.



### RY65C

**Hose Crimp:** Up to 2.1/2" hose

**Force:** Crimping force of 3,200 kN

**Die Sets:** Wide range of die sets available

**Power:** Three phase

**Control:** Digital



### RY80C

**Hose Crimp:** Up to 4" hose

**Force:** Crimping force of 3,200 kN

**Die Sets:** Wide range of die sets available

**Power:** Three phase

**Control:** Digital

# TECHNICAL DATA

## RYCO MINI SERIES

### RY16

CRIMPS UP TO 1"

LIGHT WEIGHT AND COMPACT



#### RECOMMENDED FOR:

**RYCO RY16** is powerful, compact and portable. Weighing in at only 26 kg/57.3 lb those awkward jobs are now made easy.

Operation is by any 700 bar/ 10,000 psi power source, such as hand pump or air over hydraulic pump.

The RYCO RY16 1" Mini Crimper can be supplied with **RY16-AP** Air/Hydraulic Pump or **RY16-HP** Hand Pump.

#### TECHNICAL DATA:

- 1" 4 wire capacity, no other mini crimper offers this.
- User friendly, easy to use in the field and in those tight and awkward spaces.
- 120 ton crimping force for effortless crimping.
- Box to keep the dies safe.
- Includes a tube of grease and brush to keep the machine lubricated and in full working order.
- Maximum Input Pressure for **RY16** is 700 bar (10,000 psi).

#### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY16-07</b>	7-10	0.276-0.394	60	2.36		✓
<b>RY16-10</b>	10-12	0.394-0.472	60	2.36		✓
<b>RY16-12</b>	12-14	0.472-0.551	60	2.36		✓
<b>RY16-14</b>	14-16	0.551-0.630	60	2.36	✓	
<b>RY16-16</b>	16-19	0.630-0.748	60	2.36	✓	
<b>RY16-19</b>	19-23	0.748-0.905	60	2.36	✓	
<b>RY16-23</b>	23-27	0.905-1.062	60	2.36	✓	
<b>RY16-27</b>	27-31	1.062-1.220	60	2.36	✓	
<b>RY16-31</b>	31-37	1.220-1.457	60	2.36	✓	
<b>RY16-37</b>	37-45	1.457-1.772	60	2.36	✓	

#### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-GREASE</b>	Lithium-Moly. Grease	1	✓	
<b>RY16-AP</b>	10,000 psi/700 Bar Air/Oil Pump	1		✓
<b>RY16-HP</b>	10,000 psi/700 Bar Hand Pump	1		✓
<b>RY16-HA</b>	RY16 Hose Assy 10,000 psi/700 Bar	1		✓

#### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	1" Four Wire
<b>Braid</b>	1"

#### RY16 MINI - SPECIFICATIONS

PART NUMBER	MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
		WIDTH		DEPTH		HEIGHT		WEIGHT	
		mm	inch	mm	inch	mm	inch	kg	lb
<b>RY16</b>	Manual	245	9.6	195	7.7	295	11.6	26	57.3

#### RY16 MINI - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER		MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch	mm	inch	kN	tons
<b>RY16</b>	1	10-45	0.394-1.772	20	0.78	1068	120

**NOTE:** \*Other die sets available depending on country or application.

\*\*Crimping capacity may vary based on coupling and hose design.

## RY20C

CRIMPS UP TO 1.1/4"

SUITABLE FOR MOBILE SERVICE VEHICLES



### RECOMMENDED FOR:

**RYCO RY20C** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to **1.1/4"** with a crimping force of 1,700 kN. These full scale units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

### TECHNICAL DATA

- Hose is fed horizontally into the machine from the front or rear.
- Crimping Die Sets are easily changed segment by segment using the forked hand tool, or the whole die set can be changed in one operation using optional rapid change tool.
- Contact RYCO for capability to crimp each RYCO Coupling series and size, and ability to accommodate Compact Elbow and Tube Bend couplings. Additional Die Sets can be purchased to crimp smaller hose sizes.

### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY20-07</b>	7-10	0.276-0.394	55	2.16		✓
<b>RY20-10</b>	10-12	0.394-0.472	55	2.16		✓
<b>RY20-12</b>	12-14	0.472-0.551	55	2.16		✓
<b>RY20-14</b>	14-16	0.551-0.630	55	2.16	✓	
<b>RY20-16</b>	16-19	0.630-0.748	55	2.16	✓	
<b>RY20-19</b>	19-22	0.748-0.866	55	2.16	✓	
<b>RY20-22</b>	22-26	0.866-1.024	70	2.16	✓	
<b>RY20-26</b>	26-30	1.024-1.181	70	2.16	✓	
<b>RY20-30</b>	30-34	1.181-1.339	70	2.95	✓	
<b>RY20-34</b>	34-39	1.339-1.535	75	2.95	✓	
<b>RY20-39</b>	39-45	1.535-1.772	75	2.95	✓	
<b>RY20-45</b>	45-51	1.772-2.008	90	3.55	✓	
<b>RY20-51</b>	51-57	2.008-2.244	90	3.55	✓	
<b>RY20-57</b>	57-63	2.244-2.480	100	3.95	✓	

### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-QCT</b>	Quick Change Tool for RY20 & RY32	1		✓

### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	1.1/4" Six Wire
<b>Braid</b>	2"

### RY20C MOBILE - SPECIFICATIONS

PART NUMBER	ELECTRICAL		MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE		WIDTH		DEPTH		HEIGHT		WEIGHT <sup>1</sup>	
				mm	inch	mm	inch	mm	inch	kg	lb
<b>RY20C-12V</b>	12	DC	Digital	620	24.4	500	19.6	540	21.3	120	264
<b>RY20C-24V</b>	24	DC	Digital	620	23.6	500	19.6	540	21.3	120	264

### RY20C MOBILE - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER		MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch	mm	inch	kN	tons
<b>RY20C-12V</b>	1.1/4	4-87	0.157-3.425	26	1.02	1700	190
<b>RY20C-24V</b>	1.1/4	4-87	0.157-3.425	26	1.02	1700	190

**NOTE:** \*Other die sets available depending on country or application.  
 \*\*Crimping capacity may vary based on coupling and hose design.  
<sup>1</sup>Without oil



# TECHNICAL DATA

## RYCO WORKSHOP SERIES

### RY20CB

CRIMPS UP TO 1.1/4"

SUITABLE FOR SERVICE CENTRE OR WORKSHOP



#### RECOMMENDED FOR:

**RYCO RY20CB** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to **1.1/4"** with a crimping force of up to 1,700 kN. These full scale production units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

#### TECHNICAL DATA

- Hose is fed horizontally into the machine from the front or rear.
- Crimping Die Sets are easily changed segment by segment using the forked hand tool, or the whole die set can be changed in one operation using optional rapid change tool.
- Contact RYCO for capability to crimp each RYCO Coupling series and size, and ability to accommodate Compact Elbow and Tube Bend couplings. Additional Die Sets can be purchased to crimp smaller hose sizes.

#### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY20-07</b>	7-10	0.276-0.394	55	2.16		✓
<b>RY20-10</b>	10-12	0.394-0.472	55	2.16		✓
<b>RY20-12</b>	12-14	0.472-0.551	55	2.16		✓
<b>RY20-14</b>	14-16	0.551-0.630	55	2.16	✓	
<b>RY20-16</b>	16-19	0.630-0.748	55	2.16	✓	
<b>RY20-19</b>	19-22	0.748-0.866	55	2.16	✓	
<b>RY20-22</b>	22-26	0.866-1.024	70	2.16	✓	
<b>RY20-26</b>	26-30	1.024-1.181	70	2.16	✓	
<b>RY20-30</b>	30-34	1.181-1.339	70	2.95	✓	
<b>RY20-34</b>	34-39	1.339-1.535	75	2.95	✓	
<b>RY20-39</b>	39-45	1.535-1.772	75	2.95	✓	
<b>RY20-45</b>	45-51	1.772-2.008	90	3.55	✓	
<b>RY20-51</b>	51-57	2.008-2.244	90	3.55	✓	
<b>RY20-57</b>	57-63	2.244-2.480	100	3.95	✓	

#### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-QCT</b>	Quick Change Tool for RY20 & RY32	1	✓	
<b>RY32-FP</b>	Foot Pedal	1	✓	
<b>RY32-BACKSTOP</b>	Backstop Device	1	✓	

#### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	1.1/4" Six Wire
<b>Braid</b>	2"

#### RY20CB WORKSHOP - SPECIFICATIONS

PART NUMBER	ELECTRICAL				MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE	MOTOR POWER			WIDTH		DEPTH		HEIGHT		WEIGHT¹	
			kW	hp		mm	inch	mm	inch	mm	inch	kg	lb
RY20CB-1-240	240	Single	1.8	2.4	Digital	680	26.7	570	23.4	1350	53.1	230	507
RY20CB-3-415	415	Three	3.6	4.8	Digital	680	26.7	570	23.4	1350	53.1	230	507

#### RY20CB WORKSHOP - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER			MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch		mm	inch	kN	tons
<b>RY20CB-1-240</b>	1.1/4	4-87	0.157-3.425		26	1.02	1700	190
<b>RY20CB-3-415</b>	1.1/4	4-87	0.157-3.425		26	1.02	1700	190

**NOTE:** \*Other die sets available depending on country or application.  
 \*\*Crimping capacity may vary based on coupling and hose design.  
<sup>1</sup>Without oil

## RY32C

CRIMPS UP TO 2"  
SUITABLE FOR MOBILE SERVICE VEHICLES



### RECOMMENDED FOR:

**RYCO RY32C** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to **2"** with a crimping force of 2,200 kN. These full scale units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

### TECHNICAL DATA

- Hose is fed horizontally into the machine from the front or rear.
- Crimping Die Sets are easily changed segment by segment using the forked hand tool, or the whole die set can be changed in one operation using optional rapid change tool.
- Contact RYCO for capability to crimp each RYCO Coupling series and size, and ability to accommodate Compact Elbow and Tube Bend couplings. Additional Die Sets can be purchased to crimp smaller hose sizes.

### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY32-07</b>	7-10	0.276-0.394	55	2.16		✓
<b>RY32-10</b>	10-12	0.394-0.472	55	2.16		✓
<b>RY32-12</b>	12-14	0.472-0.551	55	2.16		✓
<b>RY32-14</b>	14-16	0.551-0.630	55	2.16	✓	
<b>RY32-16</b>	16-19	0.630-0.748	55	2.16	✓	
<b>RY32-19</b>	19-22	0.748-0.866	55	2.16	✓	
<b>RY32-22</b>	22-26	0.866-1.024	70	2.16	✓	
<b>RY32-26</b>	26-30	1.024-1.181	70	2.16	✓	
<b>RY32-30</b>	30-34	1.181-1.339	70	2.95	✓	
<b>RY32-34</b>	34-39	1.339-1.535	75	2.95	✓	
<b>RY32-39</b>	39-45	1.535-1.772	75	2.95	✓	
<b>RY32-45</b>	45-51	1.772-2.008	90	3.55	✓	
<b>RY32-51</b>	51-57	2.008-2.244	90	3.55	✓	
<b>RY32-57</b>	57-63	2.244-2.480	120	4.72	✓	
<b>RY32-63</b>	63-69	2.480-2.717	120	4.72	✓	
<b>RY32-69</b>	69-74	2.717-2.913	120	4.72	✓	
<b>RY32-74</b>	74-80	2.913-3.150	120	4.72	✓	
<b>RY32-78</b>	78-87	3.071-3.425	120	4.72	✓	

### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-QCT</b>	Quick Change Tool for RY20 & RY32	1		✓

### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	2" Four Wire
<b>Braid</b>	2.1/2"

### RY32C MOBILE - SPECIFICATIONS

PART NUMBER	ELECTRICAL		MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE		WIDTH		DEPTH		HEIGHT		WEIGHT <sup>1</sup>	
				mm	inch	mm	inch	mm	inch	kg	lb
<b>RY32C-12V</b>	12	DC	Digital	620	24.4	500	19.6	540	21.3	160	352
<b>RY32C-24V</b>	24	DC	Digital	620	24.4	500	19.6	540	21.3	160	352

### RY32C MOBILE - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER		MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch	mm	inch	kN	tons
<b>RY32C-12V</b>	2	4-87	0.157-3.425	32	1.26	2200	247
<b>RY32C-24V</b>	2	4-87	0.157-3.425	32	1.26	2200	247

**NOTE:** \*Other die sets available depending on country or application.  
 \*\*Crimping capacity may vary based on coupling and hose design.  
<sup>1</sup>Without oil

# TECHNICAL DATA

## RYCO WORKSHOP SERIES

### RY32CB

CRIMPS UP TO 2"

SUITABLE FOR SERVICE CENTRE OR WORKSHOP



#### RECOMMENDED FOR:

**RYCO RY32CB** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to 2" with a crimping force of 2,200 kN. These full scale production units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

#### TECHNICAL DATA

- Hose is fed horizontally into the machine from the front or rear.
- Crimping Die Sets are easily changed segment by segment using the forked hand tool, or the whole die set can be changed in one operation using optional rapid change tool.
- Contact RYCO for capability to crimp each RYCO Coupling series and size, and ability to accommodate Compact Elbow and Tube Bend couplings. Additional Die Sets can be purchased to crimp smaller hose sizes.

#### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
RY32-07	7-10	0.276-0.394	55	2.16		✓
RY32-10	10-12	0.394-0.472	55	2.16		✓
RY32-12	12-14	0.472-0.551	55	2.16		✓
RY32-14	14-16	0.551-0.630	55	2.16	✓	
RY32-16	16-19	0.630-0.748	55	2.16	✓	
RY32-19	19-22	0.748-0.866	55	2.16	✓	
RY32-22	22-26	0.866-1.024	70	2.16	✓	
RY32-26	26-30	1.024-1.181	70	2.16	✓	
RY32-30	30-34	1.181-1.339	70	2.95	✓	
RY32-34	34-39	1.339-1.535	75	2.95	✓	
RY32-39	39-45	1.535-1.772	75	2.95	✓	
RY32-45	45-51	1.772-2.008	90	3.55	✓	
RY32-51	51-57	2.008-2.244	90	3.55	✓	
RY32-57	57-63	2.244-2.480	120	4.72	✓	
RY32-63	63-69	2.480-2.717	120	4.72	✓	
RY32-69	69-74	2.717-2.913	120	4.72	✓	
RY32-74	74-80	2.913-3.150	120	4.72	✓	
RY32-78	78-87	3.071-3.425	120	4.72	✓	

#### ACCESSORIES

Part No	Description	#	Inc	Opt
RY32-QCT	Quick Change Tool	1	✓	
RY32-FP	Foot Pedal	1	✓	
RY32-BACKSTOP	Backstop Device	1	✓	

#### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
Spiral	2" Four Wire
Braid	2.1/2"

#### RY32CB WORKSHOP - SPECIFICATIONS

PART NUMBER	ELECTRICAL				MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE	MOTOR POWER			WIDTH		DEPTH		HEIGHT		WEIGHT¹	
			kW	hp		mm	inch	mm	inch	mm	inch	kg	lb
RY32CB-1-240	240	Single	1.8	2.4	Digital	680	26.7	570	22.4	1400	55.1	270	595
RY32CB-3-415	415	Three	3.6	4.8	Digital	680	26.7	570	22.4	1400	55.1	270	595

#### RY32CB WORKSHOP - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER			MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch		mm	inch	kN	tons
RY32CB-1-240	2	4-87	0.157-3.425		32	1.26	2200	247
RY32CB-3-415	2	4-87	0.157-3.425		32	1.26	2200	247

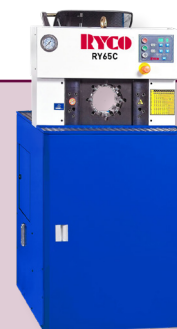
**NOTE:** \*Other die sets available depending on country or application.  
 \*\*Crimping capacity may vary based on coupling and hose design.  
<sup>1</sup>Without oil



## RY65C

CRIMPS UP TO 2.1/2"

SUITABLE FOR HIGH VOLUME CRIMPING



### RECOMMENDED FOR:

**RYCO RY65C** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to **2.1/2"** with a crimping force of 3,200 kN. These full scale production units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

### TECHNICAL DATA

- Hose is fed horizontally into the machine from front or rear. The horizontal attitude of the swage mechanism provides operators with the most ergonomic position for crimping, an important consideration especially when large 2" 4 wire assemblies are required.
- Crimping Die Sets are easily changed segment by segment using the forkhead hand tool, or the whole die set can be changed in on operation using the optional Rapid Change Tool.
- Contact RYCO for capability to crimp each RYCO Coupling Series and size, and ability to accommodate Compact Elbow and Tube Bend couplings. Additional Die Sets can be purchased to crimp smaller and some larger hose sizes.

### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY32-07</b>	7-10	0.276-0.394	55	2.16		✓
<b>RY32-10</b>	10-12	0.394-0.472	55	2.16		✓
<b>RY32-12</b>	12-14	0.472-0.551	55	2.16		✓
<b>RY32-14</b>	14-16	0.551-0.630	55	2.16	✓	
<b>RY32-16</b>	16-19	0.630-0.748	55	2.16	✓	
<b>RY32-19</b>	19-22	0.748-0.866	55	2.16	✓	
<b>RY32-22</b>	22-26	0.866-1.024	70	2.16	✓	
<b>RY32-26</b>	26-30	1.024-1.181	70	2.16	✓	
<b>RY32-30</b>	30-34	1.181-1.339	70	2.95	✓	
<b>RY32-34</b>	34-39	1.339-1.535	75	2.95	✓	
<b>RY32-39</b>	39-45	1.535-1.772	75	2.95	✓	
<b>RY32-45</b>	45-51	1.772-2.008	90	3.55	✓	
<b>RY32-51</b>	51-57	2.008-2.244	90	3.55	✓	
<b>RY32-57</b>	57-63	2.244-2.480	120	4.72	✓	
<b>RY32-63</b>	63-69	2.480-2.717	120	4.72	✓	
<b>RY32-69</b>	69-74	2.717-2.913	120	4.72	✓	
<b>RY32-74</b>	74-80	2.913-3.150	120	4.72	✓	
<b>RY32-78</b>	78-87	3.071-3.425	120	4.72	✓	

### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-QCT</b>	Quick Change Tool	1	✓	
<b>RY80-FP</b>	Foot Pedal	1	✓	
<b>RY32-BACKSTOP</b>	Backstop Device	1	✓	
<b>RY80-MIRROR</b>	Rear Mirror with Brackets	1	✓	

### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	2" Multi Wire
<b>Braid</b>	2.1/2"

### RY65C PRODUCTION - SPECIFICATIONS

PART NUMBER	ELECTRICAL				MACHINE CONTROL	PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE	MOTOR POWER			WIDTH		DEPTH		HEIGHT		WEIGHT¹	
			kW	hp		mm	inch	mm	inch	mm	inch	kg	lb
RY65C-3-415	415	Three	5.5	7.4	Digital	860	33.8	1000	39.3	1600	63	1200	2646

### RY65C PRODUCTION - TECHNICAL INFORMATION

PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER		MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch	mm	inch	kN	tons
<b>RY65C-3-415</b>	2.1/2"	4-87	0.157-3.425	65	2.5	3200	360

**NOTE:** \*Other die sets available depending on country or application.

\*\*Crimping capacity may vary based on coupling and hose design and may require multi stage crimping process to reach crimp diameter.

<sup>1</sup>Without oil

# TECHNICAL DATA

## RYCO PRODUCTION SERIES



### RY80C

CRIMPS UP TO 4"

SUITABLE FOR HIGH VOLUME CRIMPING

#### RECOMMENDED FOR:

**RYCO RY80C** Series crimpers are designed to handle large jobs with speed and efficiency. This series is designed to crimp hose couplings up to 4" with a crimping force of 3,200 kN. These full scale production units offer; high speed for increased productivity, large die openings to allow small and large hose assemblies to pass through easily, a wide range of available die sets, and high strength.

#### TECHNICAL DATA

- These heavy duty units include the Rapid Change system and inbuilt storage rack for dies as standard features.
- **RYCO RY80C** Series crimpers incorporate the electronic controller with three modes, Manual, Semi-automatic and Automatic.
- The retraction diameter of the dies may be programmed, and together with quick die retraction powered by the machine's hydraulics and use of automatic backstop to control swage cycle, speed in high volume production is increased.

#### DIE SETS

Die Set *	CRIMPING RANGE		DIE LENGTH		Inc.	Opt.
	mm	inch	mm	inch		
<b>RY32-07</b>	7-10	0.276-0.394	55	2.16		✓
<b>RY32-10</b>	10-12	0.394-0.472	55	2.16		✓
<b>RY32-12</b>	12-14	0.472-0.551	55	2.16		✓
<b>RY32-14</b>	14-16	0.551-0.630	55	2.16	✓	
<b>RY32-16</b>	16-19	0.630-0.748	55	2.16	✓	
<b>RY32-19</b>	19-22	0.748-0.866	55	2.16	✓	
<b>RY32-22</b>	22-26	0.866-1.024	70	2.16	✓	
<b>RY32-26</b>	26-30	1.024-1.181	70	2.16	✓	
<b>RY32-30</b>	30-34	1.181-1.339	70	2.95	✓	
<b>RY32-34</b>	34-39	1.339-1.535	75	2.95	✓	
<b>RY32-39</b>	39-45	1.535-1.772	75	2.95	✓	
<b>RY32-45</b>	45-51	1.772-2.008	90	3.55	✓	
<b>RY32-51</b>	51-57	2.008-2.244	90	3.55	✓	
<b>RY32-57</b>	57-63	2.244-2.480	120	4.72	✓	
<b>RY32-63</b>	63-69	2.480-2.717	120	4.72	✓	
<b>RY32-69</b>	69-74	2.717-2.913	120	4.72	✓	
<b>RY32-74</b>	74-80	2.913-3.150	120	4.72	✓	
<b>RY32-78</b>	78-87	3.071-3.425	120	4.72	✓	
<b>RY80-84</b>	84-92	3.307-3.622	120	4.72	✓	
<b>RY80-92</b>	92-100	3.622-3.937	120	4.72	✓	
<b>RY80-100</b>	100-108	3.937-4.252	120	4.72	✓	
<b>RY80-108</b>	108-116	4.252-4.567	120	4.72	✓	
<b>RY80-116</b>	116-124	4.567-4.882	120	4.72	✓	

#### ACCESSORIES

Part No	Description	#	Inc	Opt
<b>RY32-QCT</b>	Quick Change Tool	1	✓	
<b>RY80-FP</b>	Foot Pedal	1	✓	
<b>RY80-BACKSTOP</b>	Backstop Device	1	✓	
<b>RY80-MIRROR</b>	Rear Mirror with Brackets	1	✓	

#### CRIMPING CAPACITY\*\*

Hose Type	Nominal Capacity
<b>Spiral</b>	2" Eight Wire/3" Multi Wire
<b>Braid</b>	4"

#### RY80C PRODUCTION - SPECIFICATIONS

PART NUMBER	ELECTRICAL					PHYSICAL - CRIMPER WITH BASE DIMENSIONS							
	VOLTAGE	PHASE	MOTOR POWER		MACHINE CONTROL	WIDTH		DEPTH		HEIGHT		WEIGHT¹	
			kW	hp		mm	inch	mm	inch	mm	inch	kg	lb
RY80C-3-415	415	Three	5.5	7.4	Digital	980	38.6	1000	39.3	1600	63.0	1350	2975

#### RY80C PRODUCTION - TECHNICAL INFORMATION


PART NUMBER	MAX. HOSE SIZE	CRIMPING RANGE DIAMETER		MAX. DIE TRAVEL		CRIMPING FORCE	
	inch	mm	inch	mm	inch	kN	tons
<b>RY80C-3-415</b>	4	4-124	0.157-4.88	80	3.15	3200	360

**NOTE:** \*Other die sets available depending on country or application.

\*\*Crimping capacity may vary based on coupling and hose design and may require multi stage crimping process to reach crimp diameter.

<sup>1</sup>Without oil

The following maintenance operations can be performed by the operator according to the instructions below. However, electrical works and repairs like changing seals or the pump must only be carried out by qualified persons.


-  **Prior to any servicing operation, disconnect the power and lock the device.**  
**Before changing the motor circuit breaker or under voltage trip, disconnect the plug or supply cable from the mains!**

Open the dies to the maximum retraction before servicing.

## Cleaning

Keep the machine clean and free from dirt particles. A clean machine ensures a smooth and safe operation. Wipe the machine with a dry cloth or with soft paper. Do not use water, solvents or abrasives.

The inner side of the crimping head can be cleaned with a small brush.

-  **Never use compressed air to clean the crimping head.**

## Lubrication/Greasing

The machine should be cleaned and lubricated every eight (8) operation hours. Retract the dies to lubricate. Use a small brush to lubricate the cone shaped surfaces in the cylinder. Better to lubricate sparingly and more often than seldom and excessively. Without lubrication, the machine loses power and you will damage the sliding surfaces.


- Lubricate the inner surface of the conical flanges—minimum daily with the RYCO recommended grease.
- Apply the grease at the front and rear of the dies with a small brush.
- Lubricate often with a small amount of grease rather than seldom with a lot of grease.
- Do not grease the piston rod.

## Oil Change

- Change hydraulic oil after the first 500 hours of operation and every 1,000 hours or once a year thereafter.
- Oil tank volume: Fill to mark on dip stick, do not over fill.
- Recommended oil: RYCO Hydraulic Oil 46 or equivalent.
- Empty the tank of oil through the draining plug on the tank.
- Handle the waste oil according to your local By laws.
- It is recommended to pump the oil into the tank through a 20µ filter, because new oil in drums is not pure.

## Master Spring Change

Master die springs are wearing parts and therefore have to be replaced after every 100,000 crimps. To replace the springs special tools and experience is needed. In order to get the master die springs replaced contact your RYCO representative.

-  **Warning: Do not use the machine if there are broken or twisted springs in the machine.**  
**Broken or twisted springs can damage the machine or cause personal injuries.**

## Pressure Pipes

Return cylinders on both sides of the crimping head produce the piston movement backwards and simultaneous retraction of dies. Hydraulic pipes to the two cylinders are high-pressure pipes (275 bar). To prevent leakage, be careful not to damage these pipes and their connectors. In case you notice leakage in a connector, make sure it is properly tightened. Leaking pipes must be replaced immediately. **DO NOT REPAIR PIPES!**

## RYCO LOCATIONS

## RYCO 24•7 SERVICE CENTRES

### AUSTRALIA

+61 1300 111 247  
Sales@RYCO.com.au

#### GLOBAL HEAD OFFICE MELBOURNE

99 Calarco Drive,  
Derrimut, VIC 3026

#### REGIONAL LOCATIONS

##### ADELAIDE

BL Shipway & Co  
217 Richmond Road  
Richmond, SA 5033

##### BLACKWATER

6 Jarrah Street  
Blackwater, QLD 4717

##### PERTH

47 Tacoma Circuit  
Canning Vale, WA 6155

##### BRISBANE

97 Northlink Place  
Northgate, QLD 4013

##### NEWCASTLE

14 Ironbark Close  
Warabrook, NSW 2304

### RYCO 24•7

#### NSW

Bellingen  
Boggabri  
Gunnedah  
Ingleburn  
Mascot  
Newcastle  
Penrith  
Sydney  
Smeaton Grange  
Wallerawang  
Woodburn

#### QLD

Archerfield  
Banana  
Blackwater  
Brisbane  
Capricornia  
Clermont  
Dysart  
Eagle Farm  
Ipswich  
Moranbah  
Narangba  
Rocklea  
Rolleston

### 133•24•7

#### SA & NT

Adelaide  
Cowell  
Darwin  
Kadina  
Kapunda  
Loxton  
Port Pirie  
Richmond  
Riverland  
Roxby Downs  
Whyalla

#### VIC & TAS

Bendigo  
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Mildura  
Shepperton  
Warrnambool  
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Otorohanga  
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Pukekohe  
Putaruru  
Taupo  
Tauranga

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Wellesford  
Wellington  
Whakatane  
Whangarei  
Whitianga

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Tustin, California 92780

##### ONTARIO

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Guelph, ONT  
Canada N1L 1B2

##### IOWA

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Pella, Iowa 50219

### RYCO 24•7

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Bossier City  
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### EUROPE

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