

DEUTSCH D-EASY Composite Feedthrough System

Modular Feedthrough Solutions for
Commercial and Military Aircraft

TABLE OF CONTENTS

Presentation	Page 3
Introduction	Page 4
Schematic	Page 5
Part Numbering System	Page 6
D-EASY 12 feedthrough configuration	Page 7
D-EASY 01 feedthrough configuration	Page 8
D-EASY 02 feedthrough configuration	Page 9
D-EASY 03 feedthrough configuration	Page 10 and 11
D-EASY 04 feedthrough configuration	Page 12 and 13
D-EASY 05 feedthrough configuration	Page 14
Sealing Plugs	Page 15
Grommets K	Page 15
Grommets M	Page 16
Grommets P	Page 17 and 18
Masses	Page 19
Equivalences	Page 20
Tooling	Page 21
Torque Values, Preparation and Spacement	Page 22
Quick Wiring Procedure	Page 23

DEUTSCH Modular Composite Feedthrough

D-EASY Fast and Flexible, Reliable and Modular Solution



FAST AND FLEXIBLE

- 96 times faster on final assembly line compared to the old potting version.
- Ability to add or remove cables
- Easy *in situ* installation and repair

RELIABLE

- Provides excellent seal integrity
- Repeatable sealing performance
- Reinforced fuel-resistant version available

MODULAR

- Wide range of housings, gland seals, grommets, and sealing plugs
- Choice of unshielded or shielded, with or without accessories
- Grommets for single and multi-wire harnesses and power feeders

The D-EASY modular composite feedthrough from TE Connectivity (TE) was designed as the composite evolution of two-part metallic feedthrough components. Saving installation time and reducing weight, the D-EASY modular feedthrough system is approved and standardized by leading aircraft manufacturers around the world for sealing electrical wires and harnesses systems.

More Choice

D-EASY feedthroughs are available in a variety of sizes and configurations to provide exceptional seal integrity in new and retrofit applications. The grommets can also be customized for new wiring configurations and retrofit applications.

Easy to Use

Featuring removable seal fittings for bundle and wire repairs in aerospace applications, D-EASY feedthroughs allow rework of the seal *in situ*, without wire removal, and are available with or without shielding protection and accessory interfaces.



TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH
SEACON Phoenix | LL ROWE | Phoenix Optix | AFP | SEACON

Empower Engineers to Solve Problems, Moving the World Forward.

INTRODUCTION

A complete range of composite feedthrough configuration that is a fast, flexible and modular solution.



D-EASY 12



D-EASY 01



D-EASY 02



D-EASY 03



D-EASY 04



D-EASY 05

Specifications

MECHANICAL

- Housing and Accessories:** Composite
- Housing Metallization:** Nickel or non-metallized
- Gasket:** Fluorosilicone
- Gland Seal:** Fluorosilicone
- Sealing Performance:** Leakage less than 1 l/min depending on bundle/cable type and/or grommet layout

ENVIRONMENTAL

- Temperature Range:** -55°C to +105°C
- Salt Spray Resistance:** 500 hours
- Environmental Compliance:** ABS1571 and BACS31T/U
- Reinforced Fuel Resistance:** Consult TE.

MASSES

Configuration (with Gland Seal)	D-EASY Version					
	12	01	02	03	04	05
Without Grommet	52 0.115	126 0.278	185 0.408	167 0.369	198 0.437	448 0.989
With Grommet	—	141 0.311	219 0.483	182 0.402	232 0.512	500 1.104

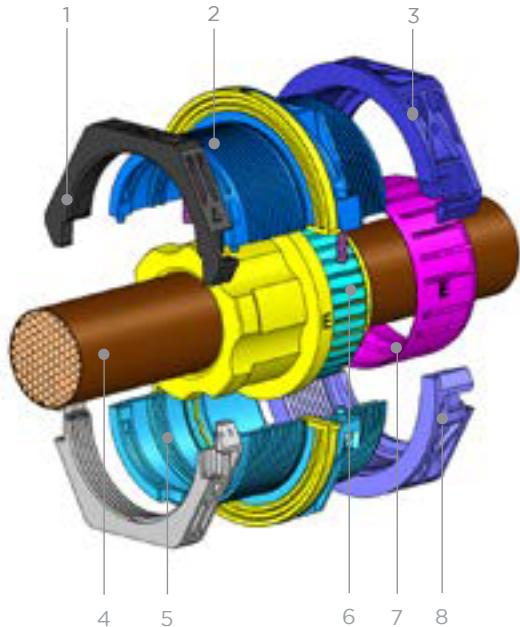
Masses: **grams** pounds

DIMENSIONS

	Housing External Ø	Panel Cutout Min. Ø	Panel Thickness	Bundle Diameter
D-EASY 12	43 1.690	24 to 24.3 0.945 to 0.957	2.0 to 10.0 0.079 to 0.390	2.0 to 12.0 0.079 to 0.474
D-EASY 01	64 2.520	38.41 to 39.57 1.512 to 1.558	2.0 to 19.3 0.079 to 0.760	2.0 to 22 0.079 to 0.866
D-EASY 02	79 3.110	57.02 to 58.30 2.245 to 2.295	2.0 to 19.3 0.079 to 0.760	15.0 to 35.0 0.059 to 1.378
D-EASY 03	64 2.520	38.40 to 38.70 1.512 to 1.524 Flat 37,5 to 37,8 Flat 1,476 to 1,488	2.0 to 8.0 0.079 to 0.315	2.0 to 22 0.079 to 0.866
D-EASY 04	79 3.110	57 to 57.30 2.244 to 2.256 Flat 55,5 to 55,8 Flat 2,185 to 2,197	2.0 to 8.0 0.079 to 0.315	15.0 to 35.0 0.059 to 1.378
D-EASY 05	101 3.980	75.44 to 76.97 2.970 to 3.030	2.54 to 19.3 0.100 to 0.760	26.4 to 45.7 1.039 to 1.800

Dimensions: **mm** inch

SINGLE WIRE APPLICATIONS



Order example:

Housing

D-EASY 05

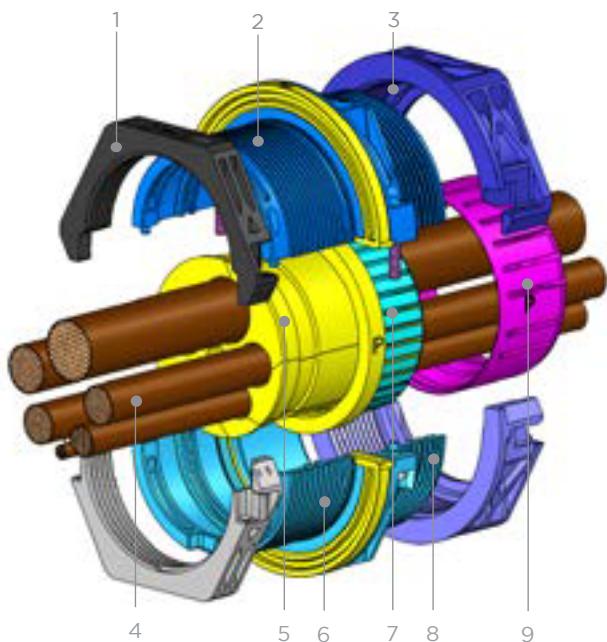
+

Gland seal

054-8002-01 ()

- 1 - Jam nut, half.
- 2 - Housing, half, upper.
- 3 - Compression nut, upper.
- 4 - Wire/cable.
- 5 - Housing, half, lower.
- 6 - Gland seal assembly.
- 7 - Bush.
- 8 - Compression nut, lower.

MULTI WIRE OR MULTI BUNDLE APPLICATIONS



Order example:

Housing

D-EASY 05

+

Gland seal

054-8020-05

+

Grommet

054-8005-15

- 1 - Jam nut, half.
- 2 - Housing, half, upper.
- 3 - Compression nut, upper.
- 4 - Wire or mix bundles.
- 5 - Grommet.
- 6 - Housing, half, lower.
- 7 - Gland seal assembly.
- 8 - Compression nut, lower.
- 9 - Bush.

PART NUMBERING SYSTEM

FOR UNSHIELDED APPLICATIONS

Housing, gland seal, and optional grommet part numbers will be ordered separately.

Bundle Dia. (Max.) (Before Preparation)	Housing	Part No.	Optional Grommet	Thickness	Panel
		Gland Seal Kit			Min. Curvature
12 0.424	D-EASY 12	D-EASY 12 S 05 D-EASY 12 S 12		2 to 10 0.079 to 0.394	
22 0.870	D-EASY 01	054-8000-00 054-8000-01	054-8003-xx (Type K)	2 to 19.3 0.079 to 0.760	2500 100
35 1.380	D-EASY 02	054-8001-00 054-8001-01	054-8004-xx (Type M)	2 to 19.3 0.079 to 0.760	
45.7 1.800	D-EASY 05	054-8002-00 054-8002-01	054-8005-xx (Type P)	2.54 to 19.3 0.100 to 0.760	

xx = Grommet see pages 15 - 18

Dimensions: **mm** inches

FOR SHIELDED APPLICATIONS

D-EASY supplied as a complete pressure seal system: gland seal and housing are supplied under a single part number.

Consult TE for use of optional grommets.

Bundle Dia. (Max.) (Before Preparation)	Part No.	Panel Thickness
12 0.474	D-EASY 03 A xx	
22 0.87	D-EASY 03 B xx	2 to 10 0.073 to 0.294
27 1.08	D-EASY 04 C xx	
35 1.38	D-EASY 04 D xx	

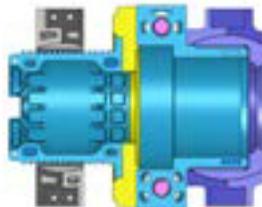
xx = Configuration code see pages 11 - 13

Dimensions: **mm** inches

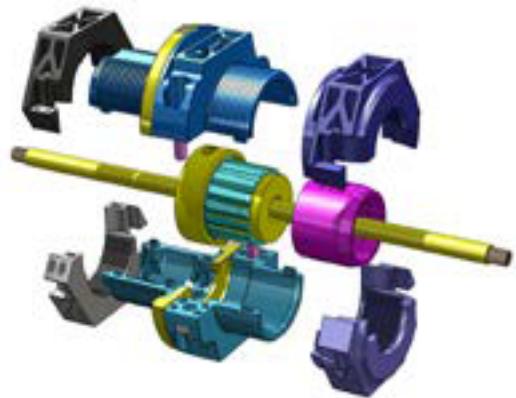
D-EASY 12 FEEDTHROUGH CONFIGURATION

HOUSING AND SEALING SYSTEM

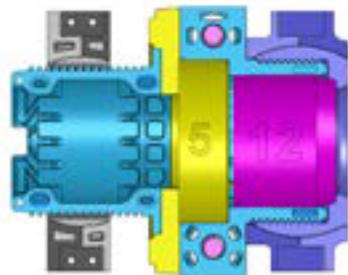
D-EASY 12 HOUSING WITHOUT SEALING SYSTEM



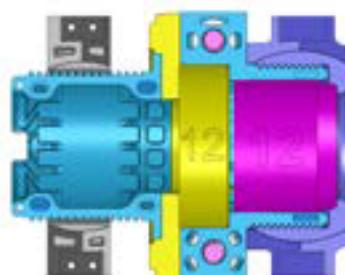
D-EASY 12 H



D-EASY 12 HOUSING WITH SEALING SYSTEM



D-EASY 12 H 05



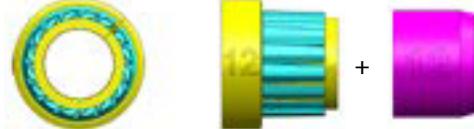
D-EASY 12 H 12

GLAND SEAL FOR WIRE HARNESS



D-EASY 12 S 05

Bundle dimensions Ø 5mm max.
(Ø 0.197 inch max.) before preparation.



D-EASY 12 S 12

Bundle dimensions Ø 12mm max.
(Ø 0.474 inch max.) before preparation.

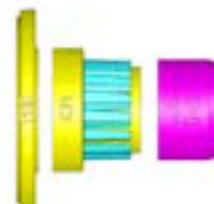
MAINTENANCE



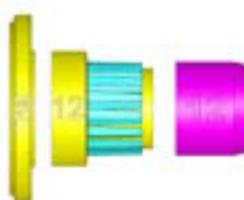
JAM NUT KIT
D-EASY 12 J



GLAND NUT KIT
D-EASY 12 G

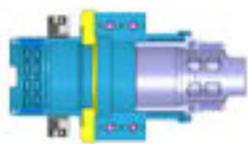


GLAND SEAL KIT
D-EASY 12 S 05 R



GLAND SEAL KIT
D-EASY 12 S 12 R

HOUSING DELIVERED WITHOUT SEAL SYSTEM



D-EASY 01



GLAND SEAL FOR SINGLE HARNESS

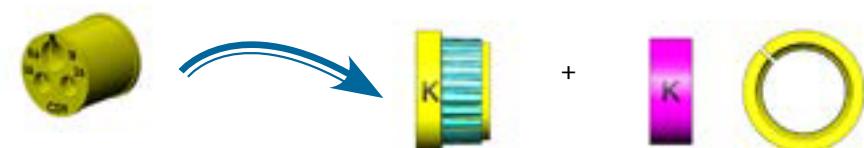


054-8000-00
Ø 12mm.max. (Ø 0.474 inch max.)
before preparation



054-8000-01
Ø 22mm max. (Ø 0.87 inch max.)
before preparation

GLAND SEAL FOR GROMMET



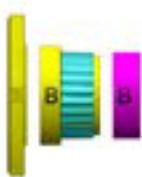
See grommets details on page 15

054-8020-01

MAINTENANCE



GLAND SEAL KIT
054-0032-12



GLAND SEAL KIT
054-0032-22



JAM NUT KIT
054-8015-03



GLAND NUT KIT TIE RAP
054-8016-03



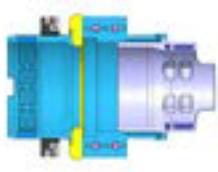
GLAND NUT KIT
054-8018-03



SHOULDERED JAM NUT
ALUMINUM ALLOY
054-8017-03



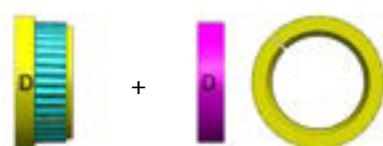
SHOULDERED JAM NUT
COMPOSITE
054-8062-03

HOUSING DELIVERED WITHOUT SEAL SYSTEM

D-EASY 02

GLAND SEAL FOR SINGLE HARNESS

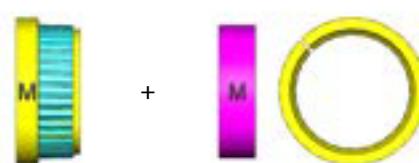
054-8001-00
 \varnothing 27mm max. (\varnothing 1.08 inch max.)
 before preparation



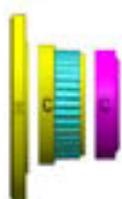
054-8001-01
 \varnothing 35mm max. (\varnothing 1.38 inch max.)
 before preparation

GLAND SEAL FOR GROMMET

See grommets details on page 16



054-8020-02

MAINTENANCE

GLAND SEAL KIT
054-0032-27



054-0032-35



JAM NUT KIT
054-8015-04



GLAND NUT KIT TIE RAP
054-8016-04



GLAND NUT KIT
054-8018-04*

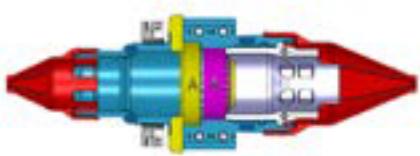


SHOULDERED JAM NUT
ALUMINUM ALLOY
054-8017-04



SHOULDERED JAM NUT
COMPOSITE
054-8062-04

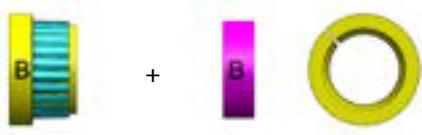
*Consult TE

HOUSING DELIVERED WITH SEAL SYSTEM

Example D-EASY 03 A 03

GLAND SEAL FOR SINGLE HARNESS

054-8000-00
 \varnothing 12mm max. (\varnothing 0.474 inch max.)
 before preparation



054-8000-01
 \varnothing 22mm max. (\varnothing 0.87 inch max.)
 before preparation

GLAND SEAL FOR GROMMET

054-8020-01

See grommets details on page 15

MAINTENANCE

GLAND SEAL KIT
054-0032-12



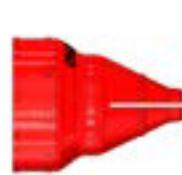
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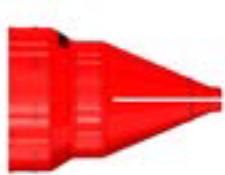
JAM NUT KIT
054-8015-03



GLAND NUT KIT TIE RAP
054-8016-03



CAP
054-0018-20



CAP
054-0018-28



GLAND NUT KIT
054-8018-03



**SHOULDERED JAM NUT
ALUMINUM ALLOY**

054-8017-03



**SHOULDERED JAM NUT
COMPOSITE**

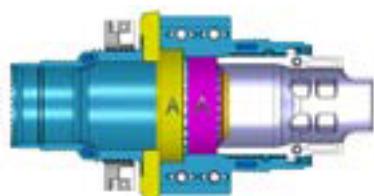
054-8062-03

GLAND SEAL FOR SINGLE HARNESS

GLAND SEAL

A

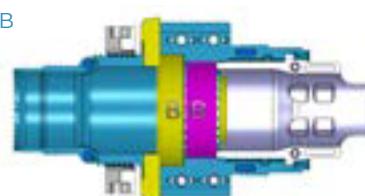
D-EASY 03 A



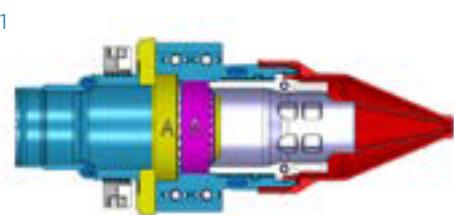
GLAND SEAL

B

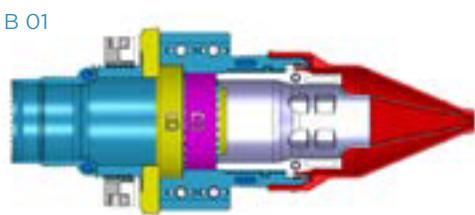
D-EASY 03 B



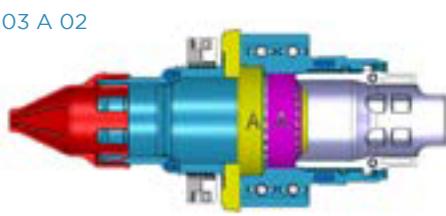
D-EASY 03 A 01



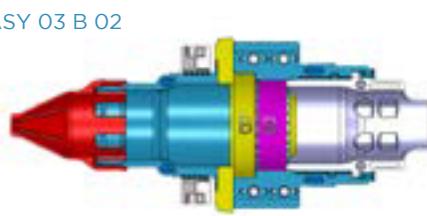
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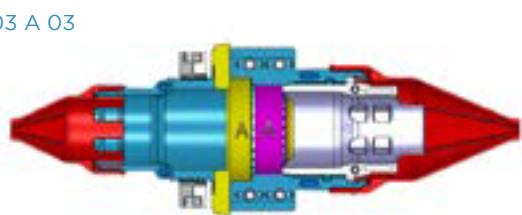
D-EASY 03 A 02



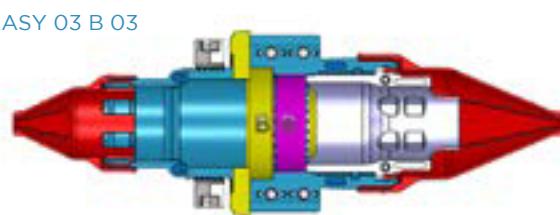
D-EASY 03 B 02



D-EASY 03 A 03

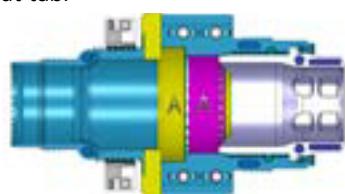


D-EASY 03 B 03



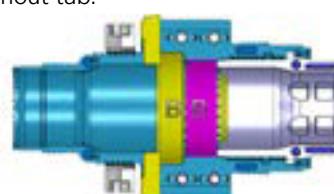
D-EASY 03 A 05

Gland nut without tab.



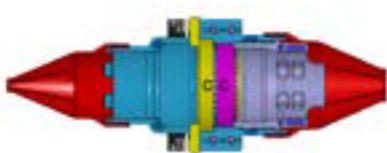
D-EASY 03 B 05

Gland nut without tab.



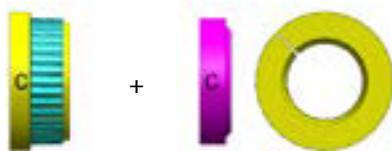
Others configurations, consult TE.

HOUSING DELIVERED WITH SEAL SYSTEM

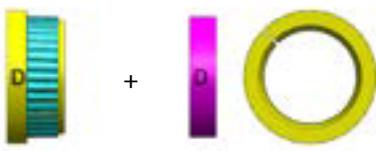


Example D-EASY 04 C 03

GLAND SEAL FOR SINGLE HARNESS

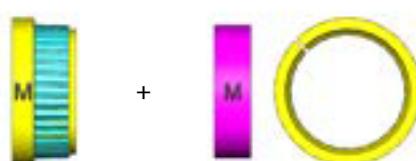
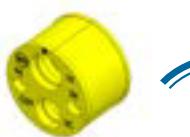


054-8001-00
Ø 27mm max. (Ø 1.08 inch max.)
before preparation



054-8001-01
Ø 35mm max. (Ø 1.38 inch max.)
before preparation

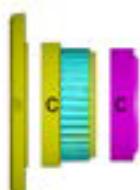
GLAND SEAL FOR GROMMET



054-8020-02

See grommets details on page 16

MAINTENANCE



GLAND SEAL KIT

054-0032-27



054-0032-35



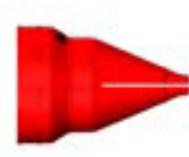
JAM NUT KIT

054-8015-04



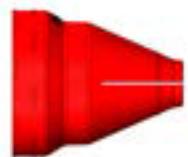
GLAND NUT KIT TIE RAP

054-8016-04



CAP

054-8018-28



CAP

054-8018-36



GLAND NUT KIT

054-8018-04*



SHOULDERED JAM NUT
ALUMINUM ALLOY

054-8017-04



SHOULDERED JAM NUT
COMPOSITE

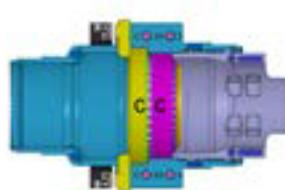
054-8062-04

*Consult TE

GLAND SEAL FOR SINGLE HARNESS

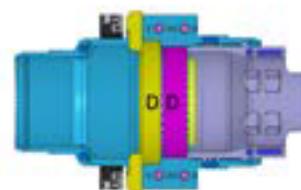
**GLAND SEAL
C**

D-EASY 04 C

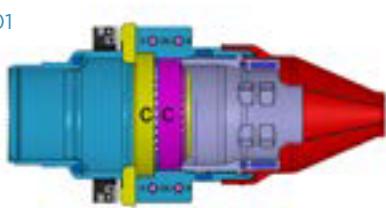


**GLAND SEAL
D**

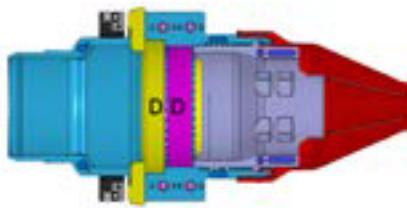
D-EASY 04 D



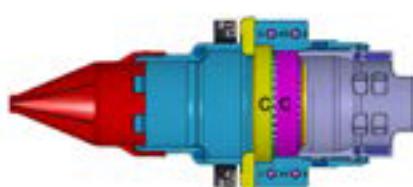
D-EASY 04 C 01



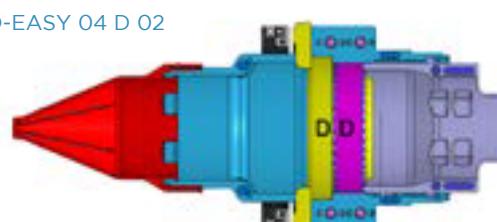
D-EASY 04 D 01



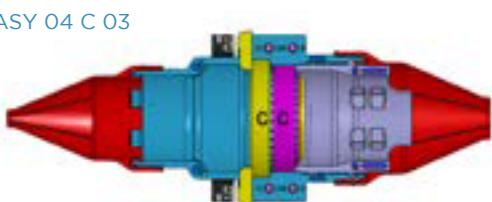
D-EASY 04 C 02



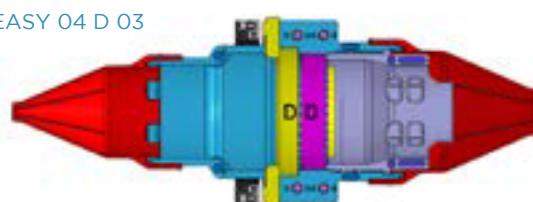
D-EASY 04 D 02



D-EASY 04 C 03

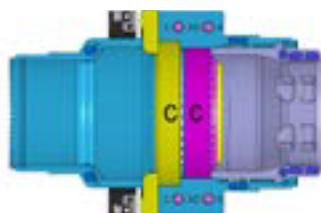


D-EASY 04 D 03



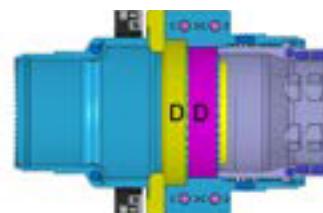
D-EASY 04 C 05

Consult TE for gland nut without tab.



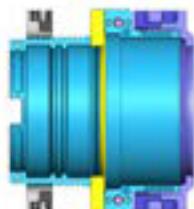
D-EASY 04 D 05

Consult TE for gland nut without tab.



Others configurations, consult TE.

HOUSING DELIVERED WITHOUT SEAL SYSTEM



D-EASY 05

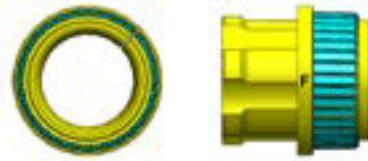
GLAND SEAL FOR SINGLE HARNESS



+



054-8002-00
Ø 37 mm max. (Ø 1.45 inch max.)
before preparation



+



054-8002-01
Ø 45,70 mm max. (Ø 1.8 inch max.)
before preparation

GLAND SEAL FOR GROMMET



See grommets details on page 17

054-8020-05

MAINTENANCE

Consult TE.

SEALING PLUGS AND GROMMETS K

SEALING PLUGS



APPLICABLE D-EASY 01 & D-EASY 03 GROMMETS TYPE K



K GROMMETS FOR DISCRETE WIRE

Grommet	No. of Wires	Wire Diameter
K1	1	15.2 to 16.2 0.599 to 0.639
K2	2	8.0 to 9.6 0.315 to 0.378
K3	1	12.4 to 13.5 0.490 to 0.530
K4	1	9.0 to 9.6 0.356 to 0.378
K5	1	12.3 to 13.1 0.485 to 0.515
K7	2	8.0 to 9.0 0.314 to 0.354
K10	1	12.6 to 13.5 0.497 to 0.531

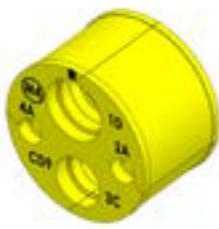
K GROMMETS FOR WIRE BUNDLES

Grommet	No. of Bundles	Bundle Diameter (After Preparation)
K6	1 (Size B)	7.9 to 9.5 0.310 to 0.375
	2 (Size A)	4.7 to 6.35 0.185 to 0.250

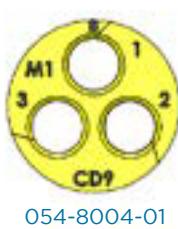
Dimensions: **mm** inches

GROMMETS M

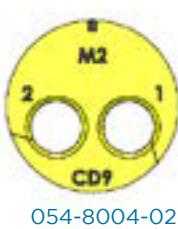
APPLICABLE D-EASY 02 & D-EASY 04 GROMMETS TYPE M



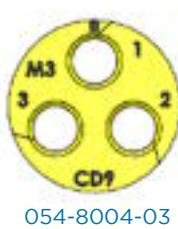
Isometric view



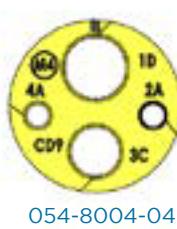
054-8004-01



054-8004-02



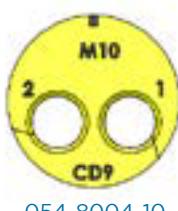
054-8004-03



054-8004-04



054-8004-05



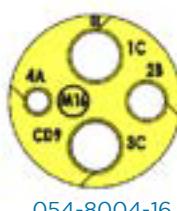
054-8004-10



054-8004-11



054-8004-12



054-8004-16

Others grommets, consult TE.

M GROMMETS FOR DISCRETE WIRE

Grommet	No. of Wires	Wire Diameter
M1	3	12.7 to 14.0 0.501 to 0.553
M2	2	12.4 to 13.5 0.490 to 0.530
M3	3	11.1 to 12.4 0.437 to 0.487
M5	3	13.7 to 15.0 0.540 to 0.590
M10	2	11.9 to 12.7 0.469 to 0.501
M11	3	9.9 to 10.7 0.389 to 0.421
M12	3	9.0 to 9.9 0.355 to 0.390

M GROMMETS FOR WIRE BUNDLES

Grommet	No. of Bundles	Bundle Diameter (After Preparation)
M4	1 (Size C)	11.0 to 12.7 0.435 to 0.500
	1 (Size D)	14.2 to 15.8 0.560 to 0.625
	2 (Size A)	4.7 to 6.35 0.185 to 0.250
	1 (Size A)	4.7 to 6.35 0.185 to 0.250
M16	1 (Size B)	7.9 to 9.5 0.310 to 0.375
	2 (Size C)	11.0 to 12.7 0.435 to 0.500

Dimensions: **mm** inches

GROMMETS P

APPLICABLE D-EASY 05 GROMMETS TYPE P



054-8005-01



054-8005-02



054-8005-03



054-8005-04



054-8005-05



054-8005-06



054-8005-07



054-8005-08



054-8005-09



054-8005-10



054-8005-11



054-8005-12



054-8005-13



054-8005-14



054-8005-15



054-8005-16



054-8005-17



054-8005-18



054-8005-19



054-8005-20



054-8005-21



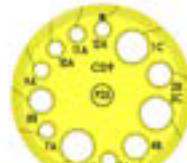
054-8005-22



054-8005-23



054-8005-24



054-8005-25



054-8005-26



054-8005-27



054-8005-28



054-8005-29



054-8005-30

For dimension of harness before and after preparation, see chart page 22

Others grommets, consult TE.

GROMMETS P

P GROMMETS FOR DISCRETE WIRE

Grommet	No. of Wires	Wire Diameter
P1	3	14.1 - 15.7 / 0.556 - 0.620
P2	2	8.0 - 9.0 / 0.314 - 0.354
P2	6	11.1 - 12.4 / 0.437 - 0.487
P3	2	15.2 - 16.2 / 0.599 - 0.639
P4	1	8.0 - 9.0 / 0.314 - 0.354
P4	3	11.1 - 12.4 / 0.437 - 0.487
P5	7	11.1 - 12.4 / 0.437 - 0.487
P6	1	11.0 - 11.8 / 0.435 - 0.465
P6	3	13.7 - 15.0 / 0.540 - 0.590
P7	3	7.32 - 7.82 / 0.288 - 0.308
P29	1	12.7 - 14.0 / 0.500 - 0.550
P29	6	11.1 - 12.4 / 0.437 - 0.487
P30	3	15.3 - 17.0 / 0.604 - 0.670

P GROMMETS FOR WIRE BUNDLES

Grommet	Bundle Size Diameter (After Preparation)/Number of Bundles					
	Size A 4.7 - 6.35 0.185 - 0.250	Size B 7.9 - 9.5 0.310 - 0.375	Size C 11.0 - 12.7 0.435 - 0.500	Size D 14.2 - 15.8 0.560 - 0.625	Size E 17.4 - 19.0 0.685 - 0.750	Size F 22.5 - 24.0 0.885 - 0.950
P8	1		1	2	1	1
P9	1		1		1	2
P10		7	1	1		
P11	4	4	1	1	1	
P12	1	1	3	2	1	
P13		1	4	3		
P14			2	3		1
P15		3		1	2	1
P16		4	3	2		
P17			1	1	2	1
P18	1		2	1	3	
P19	3	3	1	3		
P20	4	3	2			1
P21		4	3	3		
P22	3	5	3			
P23	1	3	6			
P24	1	6	2	1		
P25	6	3	3			
P26		1	1	2	2	
P27	2	4	1	2		1
P28	1	6	2		1	

Dimensions: **mm** inches

MASSES

Reference	Mass (g)	Mass (lbs)
D-EASY 01	110	0.243
D-EASY 02	150	0.331
D-EASY 03 A	177	0.390
D-EASY 03 A 01	190	0.419
D-EASY 03 A 02	183	0.403
D-EASY 03 A 03	196	0.432
D-EASY 03 A 05	175	0.386
D-EASY 03 B	167	0.368
D-EASY 03 B 01	180	0.397
D-EASY 03 B 02	173	0.381
D-EASY 03 B 03	186	0.410
D-EASY 03 B 05	165	0.364
D-EASY 04 C	213	0.470
D-EASY 04 C 01	230	0.507
D-EASY 04 C 02	226	0.498
D-EASY 04 C 03	243	0.536
D-EASY 04 C 05	210	0.463
D-EASY 04 D	198	0.437
D-EASY 04 D 01	215	0.474
D-EASY 04 D 02	211	0.465
D-EASY 04 D 03	228	0.503
D-EASY 04 D 05	195	0.430
D-EASY 05	244	0.538
D-EASY 05 L 01	266	0.586
D-EASY 12 G	10	0.022
D-EASY 12 H	44	0.097
D-EASY 12 H 05	56	0.123
D-EASY 12 H 12	52	0.115
D-EASY 12 J	8	0.018
D-EASY 12 S 05	12	0.026
D-EASY 12 S 05 R	13	0.029
D-EASY 12 S 12	8	0.018
D-EASY 12 S 12 R	9	0.020
054-0018-20	6	0.013
054-0018-28	13	0.029
054-0018-36	17	0.037

Reference	Mass (g)	Mass (lbs)
054-0032-12	32	0.071
054-0032-22	22	0.049
054-0032-27	50	0.110
054-0032-35	35	0.077
054-0053-01	1	0.002
054-0053-02	2	0.004
054-0053-03	4	0.009
054-0053-04	6	0.013
054-0053-05	8	0.018
054-0053-06	12	0.026
054-8000-00	27	0.060
054-8000-01	16	0.035
054-8001-00	44	0.097
054-8001-01	35	0.077
054-8002-00	274	0.604
054-8002-01	204	0.450
054-8003-01	12	0.026
054-8003-02	17	0.037
054-8003-03	15	0.033
054-8003-04	18	0.040
054-8003-05	15	0.033
054-8003-06	16	0.035
054-8003-07	18	0.040
054-8004-01	32	0.071
054-8004-02	37	0.082
054-8004-03	35	0.077
054-8004-04	34	0.075
054-8004-05	29	0.064
054-8005-01	206	0.454
054-8005-02	208	0.459
054-8005-03	209	0.461
054-8005-04	221	0.487
054-8005-05	209	0.461
054-8005-06	208	0.459
054-8005-07	222	0.489
054-8005-08	172	0.379

Reference	Mass (g)	Mass (lbs)
054-8005-09	171	0.377
054-8005-10	200	0.441
054-8005-11	191	0.421
054-8005-12	181	0.399
054-8005-13	175	0.386
054-8005-14	172	0.379
054-8005-15	161	0.355
054-8005-16	184	0.406
054-8005-17	170	0.375
054-8005-19	189	0.417
054-8005-20	175	0.386
054-8005-21	173	0.381
054-8005-22	192	0.423
054-8005-23	166	0.366
054-8005-23	184	0.406
054-8005-24	185	0.408
054-8005-25	194	0.428
054-8005-26	177	0.390
054-8005-27	164	0.362
054-8005-28	177	0.390
054-8005-29	210	0.463
054-8005-30	207	0.456
054-8014-20	40	0.088
054-8015-03	13	0.029
054-8015-04	15	0.033
054-8017-03	45	0.099
054-8017-04	53	0.117
054-8018-03	17	0.037
054-8018-04	27	0.060
054-8020-01	14	0.031
054-8020-02	21	0.046
054-8020-05	77	0.170
054-8061-29	247	0.545
054-8062-03	20	0.044
054-8062-04	23	0.051

EQUIVALENCES

ABS1571 TO TE PART NUMBER CROSS REFERENCE

ABS1571	TE	ABS1571	TE	ABS1571	TE
ABS1571-01A	D-EASY 03 A	ABS1571-02C02	D-EASY 04 C 02	ABS1571A	054-0032-12
ABS1571-01A01	D-EASY 03 A 01	ABS1571-02C03	D-EASY 04 C 03	ABS1571B	054-0032-22
ABS1571-01A02	D-EASY 03 A 02	ABS1571-02C05	D-EASY 04 C 05	ABS1571C	054-0032-27
ABS1571-01A03	D-EASY 03 A 03	ABS1571-02D	D-EASY 04 D	ABS1571D	054-0032-35
ABS1571-01A05	D-EASY 03 A 05	ABS1571-02D01	D-EASY 04 D 01	ABS1571G03	054-8018-03
ABS1571-01B	D-EASY 03 B	ABS1571-02D02	D-EASY 04 D 02	ABS1571G04	054-8018-04
ABS1571-01B01	D-EASY 03 B 01	ABS1571-02D03	D-EASY 04 D 03	ABS1571N01	054-8015-03
ABS1571-01B02	D-EASY 03 B 02	ABS1571-02D05	D-EASY 04 D 05	ABS1571N02	054-8015-04
ABS1571-01B03	D-EASY 03 B 03	ABS1571-20-24	054-8014-20	ABS1571N03	054-8017-03
ABS1571-01B05	D-EASY 03 B 05	ABS1571-20	054-0018-20	ABS1571N04	054-8017-04
ABS1571-02C	D-EASY 04 C	ABS1571-28	054-0018-28	ABS1571N05	054-8062-03
ABS1571-02C01	D-EASY 04 C 01	ABS1571-36	054-0018-36	ABS1571N06	054-8062-04

BACS31 TO TE PART NUMBER CROSS REFERENCE

BACS31	TE	BACS31	TE	BACS31	TE
BACS31T24H	D-EASY 01	BACS31U36SM5	054-8004-05	BACS31U48SP18	054-8005-18
BACS31T36H	D-EASY 02	BACS31U48GE1	054-8002-00	BACS31U48SP19	054-8005-19
BACS31T48H	D-EASY 05	BACS31U48GF1	054-8002-01	BACS31U48SP20	054-8005-20
BACS31T48H1*	D-EASY 05 L 01*	BACS31U48GP1	054-8020-05	BACS31U48SP21	054-8005-21
BACS31U24GA	054-8000-00	BACS31U48SP1	054-8005-01	BACS31U48SP22	054-8005-22
BACS31U24GB	054-8000-01	BACS31U48SP2	054-8005-02	BACS31U48SP23	054-8005-23
BACS31U24GK	054-8020-01	BACS31U48SP3	054-8005-03	BACS31U48SP24	054-8005-24
BACS31U24SK1	054-8003-01	BACS31U48SP4	054-8005-04	BACS31U48SP25	054-8005-25
BACS31U24SK2	054-8003-02	BACS31U48SP5	054-8005-05	BACS31U48SP26	054-8005-26
BACS31U24SK3	054-8003-03	BACS31U48SP6	054-8005-06	BACS31U48SP27	054-8005-27
BACS31U24SK4	054-8003-04	BACS31U48SP7	054-8005-07	BACS31U48SP28	054-8005-28
BACS31U24SK5	054-8003-05	BACS31U48SP8	054-8005-08	BACS31U48SP29	054-8005-29
BACS31U24SK6	054-8003-06	BACS31U48SP9	054-8005-09	BACS31U48SP30	054-8005-30
BACS31U24SK7	054-8003-07	BACS31U48SP10	054-8005-10	BACS31U48ST29	054-8061-29
BACS31U36GC	054-8001-00	BACS31U48SP11	054-8005-11	BACS31UP1	054-0053-01
BACS31U36GD	054-8001-01	BACS31U48SP12	054-8005-12	BACS31UP2	054-0053-02
BACS31U36GM	054-8020-02	BACS31U48SP13	054-8005-13	BACS31UP3	054-0053-03
BACS31U36SM1	054-8004-01	BACS31U48SP14	054-8005-14	BACS31UP4	054-0053-04
BACS31U36SM2	054-8004-02	BACS31U48SP15	054-8005-15	BACS31UP5	054-0053-05
BACS31U36SM3	054-8004-03	BACS31U48SP16	054-8005-16	BACS31UP6	054-0053-06
BACS31U36SM4	054-8004-04	BACS31U48SP17	054-8005-17		

*For panels up to 32 mm (1.250) thick.

Consult TE for additional cross reference information.

TOOLING



Rotation retainer tool



Compression strap wrench (2 sizes)



Crowfoot wrench

Description	D-EASY Size	Tools size	Part number tools	Suppliers
Wrench, Allen (housing hardwares)	12 01 / 03 02 / 04 05	7/64 7/64 7/64 9/64	Standard	Free source
Rotation retainer tool (for housing flats)	12 01 02 03 04 05	1-7/16 1-13/16 2-3/8 1-13/16 and 2-3/8 3-1/2	Fork wrench Fork wrench Fork wrench 057-0898-00 057-0929-05	Free source Free source Free source TE or Free source TE or Free source
Crowfoot wrench, Gland nut	12 01 / 03 02 / 04 05	1-7/16 1-1/8 1-5/8 3-1/2	AN850823B 057-0901-03 057-0902-04 057-0919-05	Free source TE TE TE or Free source
Crowfoot wrench Jam nut	12 01 / 03 02 / 04 05	1-7/16 2" 2-5/8 3-1/2	AN850823B AN850832B AN850842B 057-0919-05	Free source Free source Free source TE or Free source
Compression strap wrench	12 01 / 02 03 / 04 05 05*	- - - or 057-0750-05*	057-0750-00 or 057-0750-05*	TE

*If bundle diameter > Ø 37mm (Ø 1.45 inch) before preparation.

CONSUMABLES

Designation	Part number	Suppliers	DEUTSCH Proposal part number
Tape, Sealant	5313 dimension 1 x 8 mm	Free source	609-0031-XX * Consult TE
Tape, Silicone	67N	Free source	609-0032-XX · Consult TE
Metallic clamping strip	According to ASNE0805 - Free source		
Tie-rap	According to NSA935401-05 - Free source		

* XX = Number of coils in order.

TORQUE VALUES, PREPARATION AND SPACEMENT

TORQUE VALUES

	Panel Nuts		Gland Nuts		Housing Screws	
	N.m	Ft.lbf	N.m	Ft.lbf	N.m	In.lbf
D-EASY 12	6 4.4	8 5.9	2 18			
D-EASY 01	20 14.8	20 14.8	2 18			
D-EASY 02	25 18.5	25 18.5	2 18			
D-EASY 03	20 14.8	20 14.8	2 18			
D-EASY 04	25 18.5	25 18.5	2 18			
D-EASY 05	30 22.1	30 22.1	4 35			

TORQUE VALUES FOR CONFORMING TOOLS

Size	N.m	Ft.lbf
057-0750-00	4 3	
057-0750-05	8 6	

PREPARED BUNDLE DIAMETER IN GROMMET

After Preparation (Tape Overlapping)

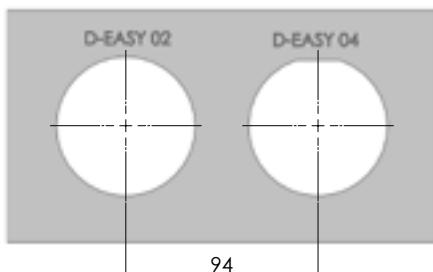
Cavity Marking	Bundle Diameter Ø	
	Min.	Max.
A	4.7 0.185	6.35 0.250
B	7.9 0.310	9.50 0.375
C	11 0.435	12.70 0.500
D	14.2 0.560	15.80 0.625
E	17.4 0.685	19.00 0.750
F	22.5 0.885	24.00 0.950

PREPARED BUNDLE DIAMETER IN GLAND SEAL

After Preparation (Tape Overlapping)

Gland Seal	Bundle Diameter Ø	
	Min.	Max.
5	5 0.197	7 0.276
12	12 0.472	14 0.551
A	12 0.472	14 0.551
B	22 0.866	24 0.945
C	27 1.063	29 1.142
D	35 1.378	37 1.457
E	37 1.457	39 1.535
F	46 1.811	48.5 1.909

RECOMMENDED MINIMUM SPACING BETWEEN D-EASY FEEDTHROUGHS

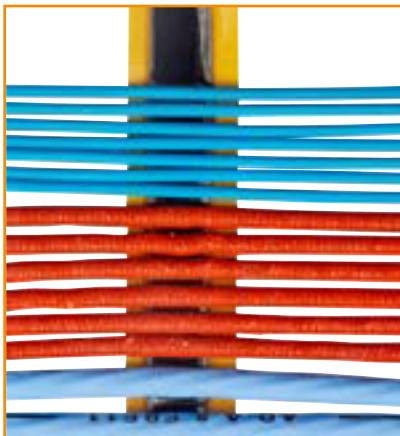


	D-EASY 12	D-EASY 01	D-EASY 02	D-EASY 03	D-EASY 04	D-EASY 05
D-EASY 12	57 2.244	68 2.677	76 2.992	68 2.677	76 2.992	96 3.780
D-EASY 01	68 2.677	77 3.031	86 3.386	77 3.031	86 3.386	107 4.213
D-EASY 02	76 2.992	86 3.386	94 3.701	86 3.386	94 3.701	115 4.528
D-EASY 03	68 2.677	77 3.031	86 3.386	77 3.031	86 3.386	107 4.213
D-EASY 04	76 2.992	86 3.386	94 3.701	86 3.386	94 3.701	115 4.528
D-EASY 05	96 3.780	107 4.213	115 4.528	107 4.213	115 4.528	125 4.921

QUICK WIRING PROCEDURE

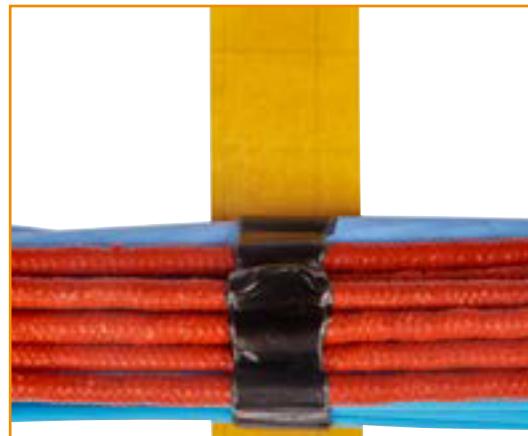
STEP 1:

Lays wires and cables on sealant.



STEP 2:

Form wire bundle with sealant into multi layer.



STEP 3:

Wrap wire bundle with self amalgamating tape.



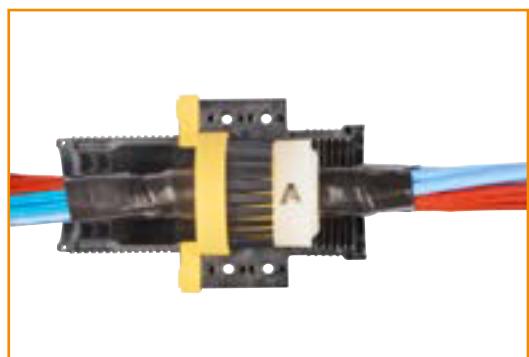
STEP 4:

Compress wire bundle with dedicated compression tool.



STEP 5:

Put into the housing the bundle with sealing system.



STEP 6:

Close and tighten the nuts.



Consult TE for the D-EASY wiring procedure

LET'S CONNECT

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